



PSH SERIES

Helisel Sonsuz Dişli Redüktör

Helical Worm Gear Units

Stirrad-Schneckengetriebe

IE2 | IE3



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PGR[®]
DRIVE TECHNOLOGIES



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TR KALİTE POLİTİKAMIZ

Polat Group Redüktör San. ve Tic. A.Ş., en iyiyi yakalamak için; İş Sağlığı ve Güvenliği, Çevre Güvenliği ve Kalite Yönetim Sistemi uygulamalarını, Üretim ve Hizmet sürecinin vazgeçilmez bir unsuru olarak değerlendirmekte ve uygulamaktadır.

Bu doğrultuda;

- Yayınlanmış ulusal/uluslararası yasal şartlar ve diğer şartlara uymak ve güncelliğini takip etmeyi;
- Atıkları kaynağında azaltmak ve teknolojik imkanlar ile çevre etkilerini kontrol altında tutmayı;
- Bünyemizde uygulanan yönetim sistemlerinin performansının değerlendirmek ve sürekli iyileştirmeyi;
- Eğitimlerle çalışanlarımızı çevre, iş sağlığı ve güvenliği ve Kalite yönetim sistemleri konusunda bilinçlendirmeyi;
- Çalışan sağlığının ve çevrenin korunması için çalışmalarını güncel tutmayı;
- Sektöründeki teknolojik gelişmeleri takip etmeyi, pazar payındaki istikrarını sürdürmek için müşterilerinin istek ve beklentilerine eksiksiz ve zamanında cevap vererek sürekli artan müşteri memnuniyetini sağlamayı, eğitimli çalışanlarının performansını, huzurlu bir çalışma ortamı sağlayarak artırmayı;

Şirket politikası olarak benimsemiştir.

VİZYONUMUZ

Müşteri ve çalışan memnuniyetini en üst düzeyde tutan, gelişmeleri izleyen değil yaratan bir dünya şirketi olmaktır.

MİSYONUMUZ

Müşterilerimizin ihtiyaçlarını karşılayacak çözümleri bilgi teknolojilerini kullanarak en verimli ve kaliteli şekilde sunmaktır.

Polat Group Redüktör olarak birçok farklı ürün yelpazesi ile, müşteri ihtiyacını maksimum seviyede karşılamak için eş zamanlı mühendislik yöntemlerini kullanarak çalışmalarını sürdürmektedir. Tasarım faaliyetleri, ürün geliştirme programları ve bilgisayar destekli çalışmalarımız sürekli gelişen bir grafik çizmektedir. Rekabetçi ve güçlü kalite politikamız müşteri yelpazemizi genişletmektedir.

EN OUR QUALITY POLICY

Polat Group Redüktör San. ve Tic. A.Ş., considers and applies Occupational Health and Safety, Environmental Safety and Quality Management System as the inseparable part of Production and Service process.

In line with this, our company adopts:

- Complying with published national/international legal provisions and other conditions and following up-to-datedness thereof;
- Reducing wastes in resources and keeping environmental impacts under control with technological opportunities;
- Assessing and constantly improving performance of management systems applied within our company;
- Raising awareness of our employees about occupational health and safety and quality management systems through trainings;
- Keeping our activities up-to-dated to protect personnel health and environmental protection;
- Following technological developments in the sector, ensuring ever-increasing customer satisfaction by responding to requests and expectations of customers completely and duly to sustain stability in the market share and increasing performance of trained employees by providing a peaceful working environment;

as the company policy.

OUR VISION

Our vision is to become a world company which meets and surpasses the customer satisfaction and which not only follows the development but also creates the development itself.

OUR MISSION

Our mission is to provide the solutions to our customers in the most efficient and qualified way by making use of the information technologies.

Our reducer group carries out its work using simultaneous engineering methods in order to meet the demands of our customers by presenting several different product ranges. Design and planning activities, product development programmes and computer supporting work show a continuously growing chart. Our competitive and strong quality policy is to develop our customer spectrum.

DE UNSERE QUALITÄTSPOLITIK

Polat Group Redüktör San. ve Tic. A.Ş., um an das Beste zu gelangen; es bewertet und implementiert die Praktiken des Arbeitsschutz-, Umweltsicherheits- und Qualitätsmanagementsystems als unverzichtbares Element des Produktions- und Serviceprozesses.

In diese Richtung;

- Einhaltung und Befolgung der aktualisierten nationalen / internationalen gesetzlichen und sonstigen Anforderungen;
- Abfall an seiner Quelle zu reduzieren und technologische Möglichkeiten und Umweltauswirkungen unter Kontrolle zu halten;
- Bewertung und kontinuierliche Verbesserung der Leistung der in unserer Struktur implementierten Managementsysteme;
- Sensibilisierung unserer Mitarbeiter für Umwelt-, Arbeitsschutz- und Qualitätsmanagementsysteme durch Schulungen;
- Um unsere Arbeit zum Schutz der Gesundheit und der Umwelt der Mitarbeiter auf dem neuesten Stand zu halten;
- Verfolgung der technologischen Entwicklungen in der Branche, Gewährleistung der stetig steigenden Kundenzufriedenheit durch vollständige und pünktliche Reaktion auf die Anforderungen und Erwartungen ihrer Kunden, um ihre Marktanteilstabilität zu erhalten, Steigerung der Leistung ihrer geschulten Mitarbeiter durch Schaffung eines friedlichen Arbeitsumfelds;

hat sie als Unternehmenspolitik übernommen.

UNSERE VISION

Unsere Vision ist ein Weltunternehmen zu erschaffen, das die Kunden - und Mitarbeiterzufriedenheit ständig im höchsten Zustand haltet und die Entwicklungen nicht nur verfolgt, sondern auch gestaltet.

UNSER ZIEL

Unser Ziel ist unseren Kunden die Produkte, Qualitäts- und Dienstleistungen sowie Lösungen, die die Kundenerwartungen übertreffen und im besten und leistungsfähigsten Zustand mit Hilfe der neuesten Informationstechnologien zu bieten.

Polat Group Redüktör GmbH führt sämtliche Tätigkeiten des Ingenieurwesens gleichzeitig weiter, um die Kundenerwartungen an alle unsere Produkte aus verschiedenen Produktpaletten im höchsten Zustand zu übertreffen. Unsere Entwurfstätigkeiten und Produktentwicklungsprogramme und EDV unterstützten Arbeitsprozesse zeigen eine steigende Grafik. Unsere wettbewerbsfähige und kräftige Qualitätspolitik vergrößert unseren Kundenumfang weiter.

Redüktör Seçimi

Bir redüktör seçilirken, PGR üç fazlı asenkron AC motorları ve tek fazlı AC motorları kullanıldığını öngörür. Bu aynı zamanda teknik olarak karşılaştırılabilen tüm motorlar için de geçerlidir. Herhangi başka bir motor kullanımı halinde PGR'ye danışınız. Dişli ünitesinin seçimi yapılırken aşağıda belirtilen ana esaslara bağlı kalınmaz ise ünite de istenmeyen aşırı yüklenme durumları açığa çıkabilir. Bu durumda tarafımızdan verilen tüm garantiler kapsam dışına çıkar. Kullanılacak redüktörden yüksek verim alabilmenin ilk adımı size uygun olan doğru ürünü seçebilmektir.

Redüktör seçimi yapılırken aşağıdaki kritik hususlara dikkat edilmelidir. Bunlar Mekanik kontrol, termal limit kontrolü, redüktör mili üzerine gelebilecek radyal ve eksenel yük kontrolleri ve servis faktörü kontrolüdür.

Hangi redüktörün sizin makinanız için uygun olduğuna, makinanızın çalışma şartlarına göre gerekli giriş gücü, istenilen tahvil oranı ve servis faktörü değerlerinin belirlenmesinden sonra karar verilmelidir. Optimum çalışma şartları sağlanacak redüktördeki aşırı yüklenmeden kaynaklı tüm problemlerin oluşması engellenmelidir.

Seçim yapılırken dikkat edilmesi gereken önemli unsurlardan biri de kullanılan harici yedek parçalar, giriş ve çıkış aksesuarlarıdır. PGR'nin önerdiği ürünler haricinde ekipman kullanımı veya redüktörün zarar görebileceği şüpheli durumlarda PGR satış departmanı ile irtibata geçilmeli, teknik veriler ve tasarım tekrar kontrol edilmelidir.

Firmadan habersiz yapılan uygulama ve yanlış seçimler sonucunda redüktör ile ilgili yaşanan problemlerde tarafımızdan verilen tüm garantiler kapsam dışına çıkar.

Redüktör Seçim Kriterleri

1.Mekanik kontrol:

İlk olarak makinanızın çalışma şartlarının bilinmesi gerekir. Bunlar günlük çalışma süresi, saatteki start-stop sayısı ve makineden gelecek yükün hangi yük sınıfı içerisinde olduğunun belirlenmesidir.

Yük sınıfı ise motor miline indirgenmiş toplam dış atalet momentinin, motor atalet momentine oranından elde edilen sayıya (maf) göre belirlenir. $maf \leq 0.25$ ise düzgün çalışma yük sınıfı (U), $0.25 < maf \leq 3$ ise orta darbeli yük sınıfı (M) ve $3 < maf \leq 10$ ise çalışmanın ağır darbeli yük sınıfında (H) olduğu anlamına gelir.

Günlük çalışma süresi ve saatteki start-stop sayısı makinanın çalışma şartlarından kolayca belirlenir. Sonrasında sayfa 5'deki diyagram 1 kullanılarak mekanik yönden gerekli servis faktörü değeri bulunur.

2.Termal Limit Kontrolü

Redüktörde bazı çalışma koşullarında aşırı ısınma gözlemlenir. Termal sınırlar kataloglardaki termal yönden müsaade edilen motor güç değerlerine bakılarak kontrol edilmelidir. Termal güç değerlerinin yeterli olmadığı durumlarda çalışma koşullarına göre verilecek ilave soğutucularla (fan, serpantin, eşanjör, radyatör vb.) termal güç değerlerini arttırmak mümkündür.

Redüktörün aşırı ısınmaması için güç transferi sürelerinin belirlenen çalışma zamanının aşılması gereklidir. Termal olarak transfer edilebilen güç süresi (3saat) sadece PA/PF62, PD/PM62, PKD 6390 ve daha büyük gövdeler için olası bir sınırı temsil eder.

Gearbox Selection

When selecting gear unit, PGR assumes that three-phase AC motor or single phase AC motor are used. This is also valid for technically comperable motors. If you intend to use a motor other than PGR, please contact with PGR. If you do not obey the main instructions which are given below, you may have some problems like overloading. In these situations, our all guarantees will be invalid. If you want get high efficiency from our products, the main step is choosing right product.

At reducer choosing step, you should be careful about following points like mechanical control, thermal limit control, the radial and axial loads control which is on reducer shaft and service factor.

After deciding input power, desired ratio number and service factor, you should decide which reducer is suitable for your machines. If you want to ensure optimal working conditions, all problems caused by overloading should be prevented.

At choosing step, external spare parts, input and output accessories has also importance. When using equipments which are not advised by PGR and under suspecious situation which can harm reducer, please consult to PGR sales office department which is responsible for giving technical information to you.

Applications which are done without information of us and wrong selections are out of guarantee.

The conditions of selecting gear unit are as the following:

1.Mechanical control:

Firstly, you should know working conditions of your machine. These are daily working time,revolution per hours and loads which are applied from driven machine to gear unit should be known in which load classification.

Load Classification can be determined from ratio between external moment of inertia and motor moment of inertia(maf) If $maf \leq 0.25$ it is Uniform application(U) $0.25 < maf \leq 3$ it is Moderate impact application(M) $3 < maf \leq 10$ it is Heavy impact application(H)

You can easily decide to daily working time, revolution per hours from working conditions of machine. After that, you can choose service factor from diagram at page 5 on mechanical way.

2.Thermal Limit Control

Overheating may happen in gearbox under some operating conditions. Thermal limits should be checked by looking at the thermally permissible motor power values at catalogues. If thermal power values are not enough, it will be possible to increase the thermal power values with additional coolers like fan, coil, heat exchanger, radiator, etc.,and they should be given according to the operating conditions.

For the gearbox does not to be overheated, the power transfer times must not exceed the specified operating time. Thermally transferable power time (3hour) shows a possible limit only for PA/PF 62, PD/PM 62, PKD 6390 and larger cases.

Getriebeauswahl

Bei der Getriebeauswahl prognostiziert PGR den Einsatz von Drehstrom-Asynchronmotoren und Einphasen-Wechselstrommotoren. Dies gilt auch für alle technisch vergleichbaren Motoren. Wenden Sie sich an PGR, wenn ein anderer Motor verwendet wird. Unerwünschte Überlastsituationen im Aggregat können auftreten, wenn bei der Auswahl des Getriebes folgende Hauptprinzipien nicht beachtet werden. In diesem Fall erlöschen alle von uns gegebenen Garantien. Der erste Schritt, um eine hohe Effizienz des zu verwendenden Reduzierstücks zu erzielen, besteht darin, das richtige Produkt auszuwählen, das zu Ihnen passt.

Bei der Auswahl des Reduzierstücks sollten die folgenden kritischen Punkte berücksichtigt werden. Dies sind mechanische Kontrolle, thermische Grenzkontrolle, quer und axiale Lastkontrolle an der Getriebewelle und Betriebsfaktorkontrolle.

Welches Getriebe für Ihre Maschine geeignet ist, sollte nach Ermittlung der erforderlichen Eingangsleistung, des gewünschten Übersetzungsverhältnisses und der Betriebsfaktorwerte entsprechend den Arbeitsbedingungen Ihrer Maschine entschieden werden. Es sollen optimale Arbeitsbedingungen geschaffen werden und alle Probleme durch Überlastung im Getriebe sollen vermieden werden.

Einer der wichtigsten Faktoren, die bei der Auswahl zu berücksichtigen sind, sind die externen Ersatzteile sowie das Eingangs- und Ausgangszubehör. Wenn andere Geräte als die von PGR empfohlenen Produkte verwendet werden oder der Verdacht auf eine Beschädigung des Getriebes besteht, sollte der PGR-Vertrieb kontaktiert und die technischen Daten und das Design erneut überprüft werden.

Alle von uns gegebenen Garantien erlöschen im Falle von Problemen im Zusammenhang mit dem Reduzierstück aufgrund der Anwendung und falscher Entscheidungen, die ohne Wissen des Unternehmens getroffen wurden.

Auswahlkriterien für Getriebe

1.Mechanische Kontrolle:

Zunächst sollten die Arbeitsbedingungen Ihrer Maschine bekannt sein. Dies sind die tägliche Arbeitszeit, die Anzahl der Starts-Stopps pro Stunde und die Ermittlung der Belastungsklasse der Maschine.

Der Stoßgrad ergibt sich aus der Gleichmäßigkeit des Betriebes und aus dem Massenbeschleunigungsfaktor (maf). Bei $maf \leq 0,25$ gleichmäßiger Betrieb (U), bei $0,25 < maf \leq 3$ ungleichmäßiger Betrieb (M) und bei $3 < maf \leq 10$ stark ungleichmäßiger Betrieb (H).

Die tägliche Arbeitszeit und die Anzahl der Starts-Stopps pro Stunde lassen sich leicht aus den Arbeitsbedingungen der Maschine ermitteln. Anschließend wird anhand von Diagramm 1 auf Seite 5 der mechanisch erforderliche Betriebsfaktor-Wert ermittelt.

2. Thermische Limitkontrolle

Unter bestimmten Betriebsbedingungen kann eine Überhitzung des Getriebes beobachtet werden. Thermische Grenzen sollten anhand der thermisch zulässigen Motorleistungswerte in den Katalogen überprüft werden. In Fällen, in denen die thermischen Leistungswerte nicht ausreichen, ist es möglich, die thermischen Leistungswerte mit zusätzlichen Kühlern (Lüfter, Serpentina-Kühler, Wärmetauscher, Öl/Wasserkühler usw.) entsprechend den Betriebsbedingungen zu erhöhen.

Damit das Getriebe nicht überhitzt, dürfen die Kraftübertragungszeiten die angegebene Betriebszeit nicht überschreiten.

Die thermisch übertragbare Leistungszeit beträgt (3h) und stellt nur bei PA/PF62, PD/PM62, PKD 6390 und größeren Körpern eine mögliche Grenze dar.

TR

TEKNİK BİLGİLER

Aşağıdaki maddelerden iki veya daha fazlasının geçerli olması durumunda redüktörün belirli operasyonel durumu kontrol edilmelidir. PGR ile iletişime geçmenizi öneririz.

- Ortam sıcaklığı 40°C fazla ise
- Dönme hızı n1 1500 min-1 üzerinde ise
- Motor gücü P1 100 kW ve üzeri ise
- W, IEC ve PAM adaptör bağlı redüktör söz konusu ise
- Dik olarak montaj söz konusu ise (M2 – M4)
- Tahvil oranı itop < 20 (Konik dişliler için itop < 40)

Redüktörün korunup sağlıklı çalışması için, ısı radyasyonu yoğun alanda çalışma, dar alanda çalışma, kapalı alanda çalışma gibi özel çevresel montaj koşullarının olduğu durumlarda PGR'ye danışınız.

3. Giriş gücü ve servis faktörü

Her bir uygulama için gerekli olan giriş gücü, hesaplama ile belirlenir. Motor anma gücü (P1), bu giriş gücünden sonra seçilir. Motor anma gücü istenilen güç değerinden biraz daha yüksektir. Bunun sebebi çalışma koşullarının standart dışı özel olabilesidir.

Montajı yapılacak 3 fazlı bir AC motorunun anma gücünü seçerken kısa aralıklı seyrek tork tesirini hesaplamaya gerek yoktur. İlave faktörler belirli bir frekans invertöründe çalışan 3 fazlı bir AC motor için anma gücünün seçimini etkiler. Dişli ünitesinin seçimini AC motorun aksine kısa aralıklı seyrek tork tesirleri etkiler. Dişli ünitesinin yük sınıfı belirlenirken bu kısa aralıklı seyrek tork tesirleri göz önünde bulundurulmalıdır. Redüktör servis faktörü fB bunu ve redüktör üzerindeki diğer etkileri yeterli doğrulukta hesaba katar.

5. Sayfadaki diyagram 1 günlük çalışma süresi, yük sınıflandırması, saatteki start-stop sayısı ile servis faktörü arasındaki ilişkiyi göstermektedir.

EN

TECHNICAL INFORMATION

If the two or more of below items are valid, the specific operational condition of the reducer should be checked. Please kindly contact with PGR.

- If the ambient temperature is above 40°
- If the rotation speed n1 is over 1500 min-1
- If the motor power P1 is 100 kW and above
- If there is W, IEC ve PAM adaptor connected gearbox
- In case of vertical mounting preferred (M2 – M4)
- The ratio itop < 20 (For bevel gears itop < 40)

Please kindly consult to PGR, in case of work in heat radiation-intensive area, work in narrow space, work in confined space to be prevented and worked healthier gearboxes.

3.Input power and service factor

For every application, the requiring input power should be calculated. Motor rated power (P1) should be selected after choosing input power. The motor rated power is slightly higher than the desired power value. The reason for this situation is working conditions are non-standart, they are special

It is not necessary to calculate the short-range rare torque effect when choosing the rated power of a 3-phase AC motor to be mounted. Additional factors affect the choice of rated power for a 3-phase AC motor operating in a particular frequency inverter. Unlike the AC motor, short-range infrequent torque effects affect the choice of gear unit. These short-range infrequent torque effects should be taken into account when determining the load class of the gear unit. The gear unit service factor fB takes this and other effects on the gear unit into account with sufficient accuracy.

Diagram 1 which is shown on page 5, presents relation between types of load, revolution per hour and minimum service factor depend on operation hours or day.

DE

TECHNISCHE INFORMATION

Wenn zwei oder mehr der folgenden Punkte zutreffen, sollte der spezifische Betriebszustand des Getriebes überprüft werden. Wir empfehlen Ihnen, sich an PGR zu wenden.

- Wenn die Umgebungstemperatur mehr als 40 °C beträgt
- Wenn die Drehzahl n1 über 1500 min-1 . liegt
- Wenn die Motorleistung P1 100 kW und mehr beträgt
- Bei W-, IEC- und PAM-Adapter angeschlossenem Getriebe
- Bei vertikaler Montage (M2 – M4)
- Bindungsverhältnis itop < 20 (itop < 40 für Kegelräder)

Wenden Sie sich an PGR in Fällen, in denen besondere Umgebungsbedingungen für die Montage herrschen, wie z. B. Arbeiten in einem wärmestrahlungsintensiven Bereich, Arbeiten in einem engen Bereich, Arbeiten in einem geschlossenen Bereich, zum Schutz und zum gesunden Betrieb des Getriebes.

3. Eingangsleistung und Servicefaktor

Die für jede Anwendung benötigte Eingangsleistung wird rechnerisch ermittelt. Die Motornennleistung (P1) wird nach dieser Eingangsleistung gewählt.

Die Motornennleistung könnte etwas höher sein als der gewünschte Leistungswert. Dies liegt daran, dass die Arbeitsbedingungen vom Standard abweichen können.

Bei der Auswahl der Nennleistung eines zu installierenden 3-Phasen-Wechselstrommotors muss der kurzzeitige seltene Drehmomenteffekt nicht berechnet werden. Zusätzliche Faktoren beeinflussen die Wahl der Nennleistung für einen 3-Phasen-Wechselstrommotor, der in einem bestimmten Frequenzrichter betrieben wird. Im Gegensatz zum Wechselstrommotor beeinflussen seltene Drehmomenteffekte im Nahbereich die Wahl des Getriebes. Diese kurzreichweitigen seltenen Drehmomenteffekte sollten bei der Bestimmung der Belastungsklasse des Getriebes berücksichtigt werden. Der Getriebebetriebsfaktor fB berücksichtigt diese und weitere Auswirkungen auf das Getriebe mit ausreichender Genauigkeit

Das Diagramm auf Seite 5 zeigt den Zusammenhang zwischen 1-Tages-Betriebszeit, Lastklassifizierung, Anzahl Starts-Stops pro Stunde und Betriebsfaktor.

TR

SERVİS FAKTÖRÜ

EN

SERVICE FACTOR

DE

SERVICEFAKTOR

Diyagram 1 günlük çalışma zamanına (saat), saatteki start sayısına ve uygulanan yük tipi sınıflandırmasına "U", "M", "H" göre gerekli servis faktörünü gösterir. Çalışma düzgünlüğüne ve kütle hız faktörüne (maf) bağlı olarak, üç yük sınıflandırması belirlenmiştir. Hareket ettirilen mekanizmaya gelen dış etkiler çalışma düzgünlüğü sınıflamasını tanımlarken kütleli ivme faktörüne bağlı olarak 3 farklı yük sınıflandırması belirlenir. Diagram 1 kullanılarak belirlenen servis faktörü, motorlu seçim tablolarında verilen servis faktörüne eşit ya da küçük olmalıdır.

Not : Elde edilen servis faktörü fb kullanılan sürücü (tahrik) tipine göre "k" katsayısı ile çarpılır.

k = 1 ; elektrik motoru veya hidromotor,
k = 1.25 ; çok silindirli içten yanmalı motor,
k = 1.50 ; tek silindirli içten yanmalı motor

The diagram 1 shows the required service factor according to daily working time (hours), revolution per hours, and the applied load type "U", "M", "H". Three load classifications are determined, and they are depending on the working regularity and the mass acceleration factor (maf). While the external effects on the driven mechanism define the working smoothness classification, 3 different load classifications are determined depending on the mass acceleration factor. Service factor which is determined by using Diagram 1 must be less than or equal to the service factor given in the motor selection tables.

Note : Service factor fb which is obtained, should be multiplied with factor "k" which depends on drive type.

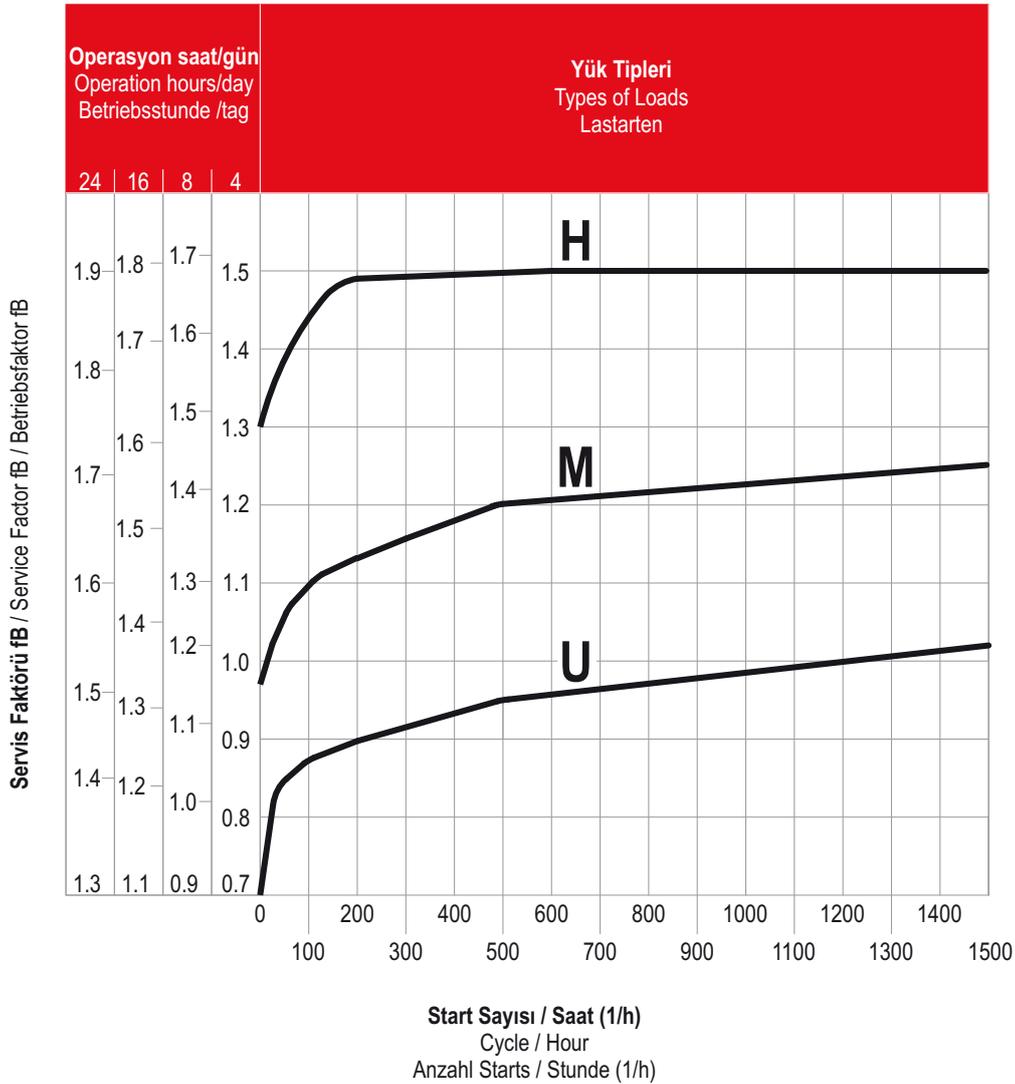
k = 1 ; hydraulic motor and electrical motor
k = 1.25 ; multi-cylinder engine
k = 1.50 ; single-cylinder engine

Das Diagramm zeigt den erforderlichen Betriebsfaktor entsprechend der 1-Tages-Betriebszeit (Stunden), der Anzahl der Starts pro Stunde und der angewendeten Lastartenklassifizierung "U", "M", "H". Auf Basis der Laufruhe und des Massengeschwindigkeitsfaktors (maf) wurden drei Belastungsklassen ermittelt. Während die äußeren Einwirkungen auf den angetriebenen Mechanismus die Laufruheklasse bestimmen, werden in Abhängigkeit vom Massenbeschleunigungsfaktor 3 verschiedene Lastklassen bestimmt. Der nach Diagramm 1 ermittelte Betriebsfaktor muss kleiner oder gleich dem in den Motorauswahltabellen angegebenen Betriebsfaktor sein.

Hinweis: Der resultierende Betriebsfaktor fb wird mit dem Koeffizienten "k" entsprechend der verwendeten Antriebsart (Antrieb) multipliziert.

k = 1 ; Elektromotor oder Hydromotor
k = 1,25 ; Mehrzylinder-Verbrennungsmotor
k = 1,50 ; Einzylinder-Verbrennungsmotor

Diyagram / Diagram / Diagramm - 1



Yük Sınıfının Belirlenmesi:**U) Düzgün çalışma**

Küçük karıştırıcılar, asansörler, konveyörler, montaj bantları, doldurma makinaları, bantlı konveyörler, temizleme makinaları, fanlar, test makinaları, santrifüj pompalar (ince sıvı pompalar).

M) Yumuşak şoklar, düzgün olmayan çalışma

Ağır yük konveyör bantları, değirmenler, ahır gübre makinaları, vinç hareket mekanizmaları, bükme makinaları, çimento karıştırıcılar, ahşap işleme makinaları için tahrik mekanizmaları, vinçler, kayar kapılar, balans makinaları, paketleme makinaları, dişli pompalar, santrifüj pompalar (yarı sıvı pompalar), vana döndürme dişlileri, dokuma tezgahları, hallaç makinaları, harman makinaları, taneleme (debegat) tekneleri, kolenderler, agidatörler, kurutma merdaneleri.

H) Ağır şoklar, aşırı düzgün olmayan çalışma

Taş kırıcılar, eksantrik presler, doğrayıcılar, presler, taşlama milleri, çekiçli kırıcılar, kağıt öğütücüler, ağır yük karıştırıcılar, delme makinaları, katlama makinaları, dönen tezgahlar, yatay karıştırıcılar, kesiciler, vibratörler, santrifüj makinaları, döner tablalar, ağır yük vinç ve asansörler, plaka-silindir-soğuk haddeleme makinaları, hız ayarlı sabit silindirler, kağıt hamur makinaları, kurutma silindirleri, perdelama silindirleri.

Yük sınıfı (çalışma düzgünlüğü) aşağıdaki tabloya göre kütle hız faktörü (maf) den belirlenir. Eğer çalışma düzgünlüğü ile hesap ettiğimiz maf birbirleriyle uyumlu değilse (Örneğin: yumuşak geçişli düzgün olmayan çalışma koşulu ve maf:0,2 için gerekli yük sınıfımız "M" olmalıdır ya da düzgün çalışma koşulu ve maf : 0,28 için gerekli yük sınıfımız yine M olmalıdır.) daha ağır çalışma sınıfı gurubuna giren geçerlidir.

Determination of Load Class:**U) Regular operation**

Small agitator, elevators, conveyors, mounting belt, filling machines, belt conveyors, cleaning machines, fans, testing machines, centrifugal pumps (fine liquid pumps).

M) Moderate shocks, non-uniform application

Heavy conveyor belts, mills, barn manure machine, crane motion mechanisms, bending machines, cement mixer, driving gear mechanisms for wood processing machines, cranes, sliding door, balancing machines, packaging machines, gear pumps, centrifugal pumps, valve turning gears, weaving looms, carding-machines, treshing machines, granulation vats, corrianders, agitators, drying rollers.

H) Heavy shocks, non-uniform application

Stone crushers, eccentric press machines, choppers, press machines, grindingmills, hammer mills, shredders, heavy mixers, boring machines, folding machines, turning looms, horizontal mixers, cutters, vibrators, centrifugal machines, heavy cranes and elevators, plate-cylinder-cold extrusion machines, fixed cylinder with regulated velocity, sluch machines, drying cylinders, polishing cylinders,

The load classification is determined from the mass velocity factor (maf) according to the below table. If the working regularity and the mass acceleration factor we calculated are not compatible with each other (For example: our required load class should be "M" for moderate shocks, non-uniform application and maf:0,2, or our required load class for regular application and maf: 0.28 is still M. It should be valid), the heavier running classification is valid.

Bestimmung der Belastungsklasse:**U) gleichmäßiger Betrieb**

Kleinmischer, Elevatoren, Förderer, Montagebänder, Abfüllmaschinen, Bandförderer, Reinigungsmaschinen, Ventilatoren, Prüfmaschinen, Kreiselpumpen (Feinflüssigkeitspumpen).

M) Weiche Stöße, ungleichmäßiger Betrieb

Schwerlastförderbänder, Mühlen, Stallmistmaschinen, Kranantriebe, Biegemaschinen, Betonmischer, Antriebe für Holzbearbeitungsmaschinen, Kräne, Schiebetüren, Auswuchtmaschinen, Verpackungsmaschinen, Zahnradschneidemaschinen, Kreiselpumpen (Halbflüssigkeitspumpen), Ventildrehvorrichtungen, Webstühle, Putzereimaschinen, Dreschmaschinen, Granulier-(Debegat-) Behälter, Siebe, Rührwerke, Trockenwalzen.

H) Starke Stöße, stark ungleichmäßiger Betrieb

Steinbrecher, Exzenterpressen, Häcksler, Pressen, Mahlspeindeln, Hammerbrecher, Aktenvernichter, Hochleistungsmischer, Stanzmaschinen, Abkantmaschinen, Rundtische, Horizontalmischer, Schneidgeräte, Vibratoren, Zentrifugen, Rundtische, Schwerlastkräne und Aufzüge, Plattenzylinder - Kaltwalzmaschinen, geschwindigkeitsregulierbare Festwalzen, Auflösesmaschinen, Trockenwalzen, Kalandarwalzen.

Klassifizierung der Gleichmäßigkeit des Betriebes:
Der Stoßgrad ergibt sich aus der Gleichmäßigkeit des Betriebes und aus dem Massenbeschleunigungsfaktor 'maf' gemäß der folgenden Tabelle. Hierbei gilt jeweils der größere Stoßgrad aus Betrieb und Massenbeschleunigungsfaktor. (Beispiel: ungleichmäßiger Betrieb und maf = 0,2 ergibt Stoßgrad "M".)

| Yük Sınıfı Load Classification Stoßgrad | Çalışma Operation Betrieb | Kütle hız faktörü Mass Acceleration Factor Massenbeschleunigungs-faktor |
|---|--|---|
| U | Düzgün çalışma / Uniform application / gleichmäßiger Betrieb | maf ≤ 0.25 |
| M | Düzgün olmayan çalışma / Non-uniform application / ungleichmäßiger Betrieb | 0.25 < maf ≤ 3 |
| H | Aşırı düzgün olmayan çalışma / Extreme non-uniform application / stark ungleichmäßiger Betrieb | 3 < maf ≤ 10 |

$$maf = \frac{J_{ex.red}}{J_{mot}} = \frac{J_{ex}}{J_{mot}} \times \left(\frac{1}{i_{ges}} \right)^2$$

i_{ges} = Tahvil oranı

$J_{ex.red}$ = Tahrik motoru üzerindeki azaltılmış dış kütle atalet momentleri toplamı

J_{ex} = Dış kütle atalet momentleri toplamı

J_{mot} = Motorun kütle atalet momenti toplamı

i_{ges} = Total gear unit ratio

$J_{ex.red}$ = All external mass moment of inertia on the drive motor, reduced

J_{ex} = All external mass moment of inertia

J_{mot} = Mass moment of inertia of the motors

i_{ges} = Getriebeübersetzung

$J_{ex.red}$ = alle externen Massenträgheitsmomente auf Antriebsmotor reduziert

J_{ex} = alle externen Massenträgheitsmomente

J_{mot} = Massenträgheitsmoment des Motors

Kütle hız faktörü maf, çıkış tarafındaki dış kütleler ile giriş tarafındaki yüksek hızlı kütlelerin arasındaki ilişkiyi gösterir.

Kütle hız faktörünün dişli ünitesinin tork tesir seviyesine önemli ölçüde sistem başlatma, frenleme ve titreşim üzerinden etkisi vardır.

Örneğin bir bantlı konveyör sistemini ele alalım. Burada dış kütle atalet momentini konveyör bant üzerinde taşınan malzemenin kütle hız faktörü oluşturur. Eğer maf >10 ise transfer elemanlarında büyük deplasman (yük değişimi) var ise ya da yük sınıflandırmamızda bir belirsizlik var ise PGR'ye danışınız. Bu ve benzeri hususlarla belirli şüpheleriniz var ise PGR'ye danışınız.

The mass acceleration factor (maf) shows the relationship between the outer masses on the output side and the high speed masses on the input side.

The mass acceleration factor has an important effect on the torque effect level of the gear unit through system starting, braking and vibration

Take, for example, a belt conveyor system. Here, the mass load of the material carried on the conveyor belt creates the external mass moment of inertia. If maf is >10, there is a large displacement (load change) in the transfer elements or if there is an uncertainty in our load classification, consult PGR. If you have certain doubts about these and similar issues, consult PGR.

Der Massenbeschleunigungsfaktor maf stellt das Verhältnis von externen abtriebsseitigen und schnellaufenden antriebsseitigen Massen dar. Der Massenbeschleunigungsfaktor hat wesentlichen Einfluss auf die Höhe der Drehmomentstöße im Getriebe bei Anlauf- und Bremsvorgängen und Schwingungen. Die externen Massenträgheitsmomente beinhalten auch die Last wie z.B. das Fördergut und Transportbändern. Bei maf >10 bei großem Spiel in Übertragungselementen, Schwingungen im System, bei Unklarheiten zum Stoßgrad oder in Zweifelsfällen bitten wir Sie um Rücksprache mit PGR.

TR TEKNİK BİLGİLER

EN TECHNICAL INFORMATION

DE TECHNISCHE EIGENSCHAFTEN

Dişli Ünitesini Seçme

Helisel-sonsuz dişli redüktörlerin kullandığı sistemler tasarlanırken; Harici tork darbelerinin oluştuğu, yüksek hızlanma faktörünün oluştuğu durumlarda düşük miktarda oto-blokaj sağladığı göz önünde bulundurulmalıdır.

Sonsuz kısımdaki dişli sayıları oranı $Z2 / Z1$ IEC-PAM seçim tablolarında listelenmiştir.

| | | |
|--|--|--|
| $m_{af} \leq 0.25$ tüm sonsuz dişli sayısı mümkündür. | $m_{af} \leq 0.25$ all numbers of worm threads are possible. | $m_{af} \leq 0.25$ alle Schneckenangzahlen möglich. |
| $m_{af} \leq 3$ sonsuz dişli sayısı $Z1 \geq 3$ önerilir. | $m_{af} \leq 3$ numbers of worm threads $Z1 \geq 3$ is recommended. | $m_{af} \leq 3$ Schneckenangzahlen $Z1 \geq 3$ empfohlen. |
| $m_{af} \leq 10$ sonsuz dişli sayısı $Z1 \geq 6$ önerilir. | $m_{af} \leq 10$ numbers of worm threads $Z1 \geq 6$ is recommended. | $m_{af} \leq 10$ Schneckenangzahlen $Z1 \geq 6$ empfohlen. |

Helisel - sonsuz dişli redüktörlerde Diyagram 1'deki f_{B1} 'nin yanısıra dış ortam sıcaklığına göre (T_u) değişen f_{B1} ayrıca saat başına çalışma yüzdesine göre (ED) değişen f_{B2} göz önünde bulundurulmalıdır. f_{B1} ve f_{B2} servis faktörleri Diyagram 2 ve 3'ten bulunabilir.

Doğru bir redüktör seçimi için olması gereken servis faktörü Diyagram 1'den bulunan servis faktörü (f_B); Diyagram 2'den bulunan servis faktörü (f_{B1}) ve Diyagram 3'den bulunan servis faktörünün (f_{B2}) çarpımlarından büyük ya da eşit olmalıdır.

Selection of the Gear Unit

Designing systems using helical worm gears, it should be considered that in cases where external torque pulses occur and high acceleration factor occurs, low auto-blocking is provided.

The ratio $Z2/Z1$ of the number of teeth in the worm gear is specified in the IEC-PAM selection tables.

For helical worm gears should be considered in addition to f_B from diagram 1, f_{B1} , which changes according to the outside temperature (T_u) and f_{B2} , which changes according to the operating percentage per hour (ED). Service factors f_{B1} and f_{B2} can be found in diagram 2 and 3.

The service factor required for a correct gear unit selection should be greater than or equal to the product of service factor (f_B) from diagram 1, service factor (f_{B1}) from diagram 2 and service factor (f_{B2}) from diagram 3.

Auswahl des Getriebes

Beim Entwurf von Systemen, die Stirnrad-Schneckengetriebe verwenden, sollte berücksichtigt werden, dass in Fällen, in denen externe Drehmomentenimpulse auftreten und ein hoher Beschleunigungsfaktor auftritt, eine geringe Selbstblockierung geboten wird.

Das Verhältnis $Z2/Z1$ der Zahnanzahl im Schneckengetriebe ist in den IEC-PAM-Auswahltabellen aufgeführt.

Bei Stirnrad - Schneckengetrieben sollte neben f_B aus Diagramm 1, f_{B1} , welches sich je nach Außentemperatur (T_u) ändert und f_{B2} , welches sich je nach Betriebsprozentsatz pro Stunde (ED) ändert berücksichtigt werden. Betriebsfaktor f_{B1} und f_{B2} finden Sie in Diagramm 2 und 3.

Der für eine korrekte Getriebeauswahl erforderliche Betriebsfaktor sollte größer oder gleich dem Produkt aus Betriebsfaktor (f_B) aus Diagramm 1, Betriebsfaktor (f_{B1}) aus Diagramm 2 und Betriebsfaktor (f_{B2}) aus Diagramm 3 sein.

$$f_B \geq f_{Bmin} \cdot f_{B1} \cdot f_{B2}$$

W kovanlı helisel-sonsuz dişli redüktörler için güç aşağıdaki formüle göre hesaplanır.

Power is calculated for helical worm gears with W drive according to the formula below.

Bei Stirnrad-Schneckengetrieben mit W-Antrieb errechnet sich die Leistung nach untenstehender Formel.

$$P_1 = \frac{M_{amax} \cdot n_2}{9550 \cdot f_{Bmin} \cdot f_{B1} \cdot f_{B2} \cdot \eta}, [kW] \quad \left| \begin{array}{l} M_{amax} [Nm] \\ n_2 [min^{-1}] \end{array} \right.$$

Burada maksimum giriş gücü P_{1max} değerini geçmemelidir.

The maximum input power shall not exceed P_{1max} .

Die maximale Antriebskraft darf P_{1max} nicht überschreiten.

$$P_1 \leq P_{1max}$$

$$P_1 \leq P_{1max}$$

$$P_1 \leq P_{1max}$$

W, IEC ve PAM seçim tablolarında her bir çıkış devri (n_2) için maksimum çıkış torku (M_{amax}), maksimum motor gücü (P_{1max}) ve redüktör verimi (η) listelenmiştir. Redüktör verimi yukarıda verilen formülasyona göre dahil edilmelidir.

The W, IEC and PAM selection tables list the maximum output torque (M_{amax}), maximum motor power (P_{1max}) and gear unit efficiency (η) for each output speed (n_2). The gear unit efficiency shall be included according to the above formula.

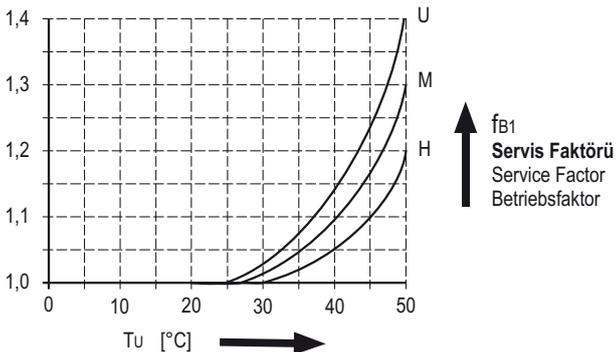
In den Auswahltabellen W, IEC und PAM sind für jede Abtriebsdrehzahl (n_2) das maximale Abtriebsdrehmoment (M_{amax}), die maximale Motorleistung (P_{1max}) und der Getriebewirkungsgrad (η) aufgeführt.

Der Getriebewirkungsgrad ist nach der obigen Formel einzubeziehen. Beispielsweise sollte bei einem Getriebe, das mit 90 Prozent Wirkungsgrad in Betrieb ist, der Wirkungsgrad $\eta = 0,9$ betragen. %90 \rightarrow 0,9

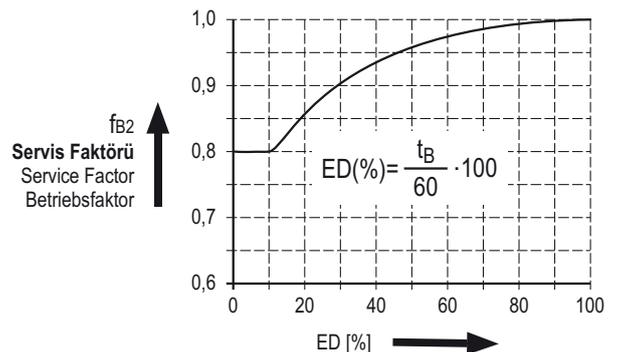
Örneğin, yüzde 90 verimle çalışan bir redüktörde verim $\eta = 0,9$ olmalıdır. %90 \rightarrow 0,9

For example, a gear unit operating at 90 percent efficiency should have an efficiency of $\eta = 0,9$. %90 \rightarrow 0,9

Diyagram / Diagram / Diagramm - 2



Diyagram / Diagram / Diagramm - 3



ED: Döngüsel süre faktörü Cyclic time factor Zyklischer Zeitfaktor **tB**: Yükleme süresi (dakika/ saat) Loading time (minutes/hour) Ladezeit (Minuten/Stunde)

TR

TEKNİK BİLGİLER

Verim (η):

PSH serisi helisel-sonsuz dişli redüktörler % 92'ye varan verimlilik sağlarlar. Sonsuz dişlilerde verimlilik redüktör çalıştıkça artacaktır.
Sürtünme redüktör çalıştıkça azalacaktır. Bu sayede verimlilik redüktör çalıştıkça artacaktır.

Daha düşük eğim açılarında, verimi düşüren bu etki artar. Daha düşük eğim açısı, daha az başlangıç sayısı demektir. Deneyimlere dayalı olarak yüzdesel verim düşüşleri aşağıdaki gibidir.

EN

TECHNICAL INFORMATION

Efficiency (η):

PSH series helical worm gear units offer an efficiency up to 92%. The efficiency of worm gear units increases as the gear unit is running.
The friction will decrease as the gear unit is running. This will increase the efficiency as the gear unit is running.

At lower angles of inclination, the efficiency-reducing effect is increased. A lower angle of inclination means less starts. Experience-based percentages of efficiency losses are as follows.

DE

TECHNISCHE EIGENSCHAFTEN

Wirkungsgrad (η):

Stirrad-Schneckengetriebe der PSH-Serie bieten einen Wirkungsgrad von bis zu 92%. Der Wirkungsgrad bei Schneckengetrieben steigt bei laufendem Getriebe.
Die Reibung nimmt bei laufendem Getriebe ab. Somit steigt der Wirkungsgrad bei laufendem Getriebe.

Bei niedrigeren Neigungswinkeln verstärkt sich der wirkungsgradmindernde Effekt. Ein geringerer Neigungswinkel bedeutet weniger Starts. Erfahrungsbasierte prozentuale Wirkungsgradverluste sind wie folgt.

| Helisel - Sonsuz Çalışması Operation of the helical worm gear unit Betrieb des Stirrad-Schneckengetriebes | Verimdeki Düşüş Efficiency loss Wirkungsgradverlust |
|---|---|
| 1. Dişli / Gear / Antriebsritzel ~ | % 12 |
| 2. Dişli / Gear / Antriebsritzel ~ | % 6 |
| 3. Dişli / Gear / Antriebsritzel ~ | % 3 |
| 6. Dişli / Gear / Antriebsritzel ~ | % 2 |

Sonsuz dişlideki diş sayıları, W, IEC ve PAM seçim tablolarında listelenmiştir. Aletirme prosedürü 25 saat operasyonel maksimum yükte çalışmanın ardından tamamlanır.

Tablolardaki verimlere ulaşmak için aşağıdaki koşulların sağlanması gerekir:

- Helisel sonsuz dişlili redüktör devamlı çalıştırılmalı,
- Helisel sonsuz dişlili redüktör belirli bir sabit sıcaklığa ulaşmış olmalı,
- Helisel sonsuz dişlili redüktör olması gereken yağlama seviyesine kadar doldurulmalı,
- Nominal tork değerinin dişlili redüktör için sağlandığı teyit edilmelidir.

The number of gears of worm gear units are listed in the selection tables W, IEC and PAM. The start-up process is completed after 25 hours of running at operational maximum load.

The following conditions must be met to achieve the efficiencies in the tables:

- The helical worm gear unit should be operated continuously.
- The helical worm gear unit should have reached a certain constant temperature.
- The helical worm gear unit should be filled to the required lubricant level.
- It should be confirmed, that the nominal torque is provided for the gear unit.

Die Zahnanzahl der Schneckengetriebe sind in den Auswahltabellen W, IEC und PAM aufgeführt. Der Einfahrvorgang ist nach 25 Stunden Betrieb bei maximaler Betriebsbelastung abgeschlossen.

Um die Wirkungsgrade in den Tabellen zu erreichen, müssen folgende Bedingungen erfüllt werden:

- Das Stirrad-Schneckengetriebe sollte kontinuierlich in Betrieb sein.
- Das Stirrad-Schneckengetriebe sollte eine gewisse konstante Temperatur erreicht haben.
- Das Stirrad-Schneckengetriebe sollte bis zum erforderlichen Schmiermittelstand befüllt werden.
- Es sollte bestätigt werden, dass das Nenndrehmoment für das Getriebe sichergestellt ist.

Radyal ve Eksenel Kuvvetler

Motorlu seçim tablolarında, çıkış mili üzerine müsaade edilebilir radyal kuvvetler (FR) ve eksenel kuvvetler (FA) ile listelenmiştir. Opsiyonel olarak birçok redüktör tipimizde güçlendirilmiş çıkış mili yataklarımız mevcuttur.

Motorlu seçim tablolarında güçlendirilmiş yataklara etki eden radyal kuvvetler (FRGR) ve eksenel kuvvetler (FAGR) olarak değerleri belirtilmiştir. Tablolarda belirtilen radyal ve eksenel kuvvetler, ayak montajlı ve flanş montajlı dişli ünitelerinin dolu mil çıkışlı montajları için geçerlidir. Verilen bu eksenel ve radyal kuvvetlerin aynı anda çıkış miline etkilememesi koşulluna dayanmaktadır.

Ayrıca motorlu seçim tablolarında yer alan radyal ve eksenel kuvvet değerleri sistemin servis faktörünün ($f_B=1$) bire eşit olduğu durum için verilmiştir. Darbeli yükler, darbeli tekrarlı yükler, uzun süreli çalışmalı (>8 saat/gün) gibi uygulamalarda servis faktörünün ($f_B>1$) birden büyük olduğu duruma karşılık gelen radyal ve eksenel kuvvetler dikkate alınmalıdır. İzin verilen FA ve FR kuvvetleri buna göre azaltılır.

Motorlu seçim tablolarında verilen radyal ve eksenel kuvvet değerleri milin orta noktasına etkiyen bir kuvveti ifade eder. İzin verilen radyal ve eksenel kuvvetler belirlenirken uygulanan kuvvetin uygulama istikameti ve dönüş yönünün en elverişsiz olması durumu varsayılmıştır.

Daha yüksek radyal ve eksenel kuvvetler potansiyel olarak kuvvet yönünün uygulama doğrultusuna ve dönüş yönüne göre mümkündür. Kesin bir hesaplama için bu tiş uygulamalar söz konusu ise operasyonel kuvvet yönünün, dönüş yönünü ayrıca istenilen servis süresini (gerekli olan) detaylı olarak PGR'ye iletiniz.

Çıkış miline ilave transfer elemanı takılırsa, mile etkiyen radyal kuvvetin belirlenmesinde aşağıdaki tablodan bulunacak olan fz faktörü de dikkate alınmalıdır.

fz için Tablo

| Transfer Elemanları | Faktör fz | Açıklama |
|------------------------|-----------|-----------------|
| Dişliler | 1.1 | $z \leq 17$ diş |
| Zincir Dişliler | 1.4 | $z \leq 13$ diş |
| Zincir Dişliler | 1.2 | $z \leq 20$ diş |
| Dar V-Kayış Kasnakları | 1.7 | ön gerilim |
| Düz kayış Kasnakları | 2.5 | kuvveti |
| Dişli Kayış Kasnakları | 1.5 | |

Radial and Axial Forces

In the motor selection tables, allowable radial forces (FR) and axial forces (FA) for over output shaft are listed. Optionally, we have reinforced output shaft bearings in many gearbox types.

They are given as a radial forces (FRGR) and axial forces (FAGR) acting on the reinforced bearings in the motor selection tables. The radial and axial forces indicated in the tables are valid for solid shaft output mountings of foot-mounted and flange-mounted gear units. This is valid on the condition that axial and radial forces do not affect the output shaft at the same time.

In addition, the radial and axial force values in the selection tables with motor are valid for the case where the service factor of the system ($f_B=1$) is equal to one. In applications such as shock loads, pulsed repetitive loads, long-term operation (>8 hours/day), you should take into account radial and axial forces corresponding to the case where the service factor ($f_B>1$) is greater than one. The allowable FA and FR forces are reduced accordingly.

The radial and axial force values which is given in the motor selection tables represent a force acting on the midpoint of the shaft. While determining the allowable radial and axial forces, we assumed the application direction of the applied force and the most unfavorable rotation direction.

Higher radial and axial forces are potentially possible with respect to the direction of application and the direction of rotation of the force direction. For an exact calculation, if such applications are in calculation, please inform PGR in detail the operational force direction, the direction of rotation, and the required service time (required).

If an additional transfer element is attached to the output shaft, the fz factor from the table below should also be taken into account in determining the radial force acting on the shaft.

fz values are shown at table

| Transfer Elements | Factor fz | Explanation |
|-----------------------|-----------|-------------------|
| Gears | 1.1 | $z \leq 17$ teeth |
| Chain Sprockets | 1.4 | $z \leq 13$ teeth |
| Chain Sprockets | 1.2 | $z \leq 20$ teeth |
| Narrow V-belt pulleys | 1.7 | by |
| Flat belt pulleys | 2.5 | pretension force |
| Gear belt pulleys | 1.5 | |

Quer- und Axialkräfte

In den Tabellen der Leistungs- und Drehzahlübersichten sind die zulässigen Querkräfte (FR) und Axialkräfte (FA) die auf den äußeren Zapfen der Abtriebswelle wirken dürfen aufgeführt.

Für vielen Getriebetypen sind optional verstärkte Abtriebswellenlager lieferbar. Die Werte der auf die verstärkten Lager wirkenden Querkräfte (FRGR) und Axialkräfte (FAGR) sind in den Motorauswahltabellen angegeben. Die in den Tabellen angegebenen Quer- und Axialkräfte gelten für Fuß- und Flanschgetrieben mit Vollwelle. Die Kraftangaben beziehen sich auf den Fall, dass Quer- und Axialkraft nicht gleichzeitig vorliegen.

Außerdem liegt den Kraftangaben in den Tabellen der Leistungs- und Drehzahlübersicht ein Betriebsfaktor für Quer- und Axialkräfte ($f_B=1$) zugrunde. Bei stoßartigen Kräften und längeren Laufzeiten > 8 Stunden/Tag ist auch für die Quer- und Axialkräfte ein entsprechender Betriebsfaktor ($f_B>1$) zu berücksichtigen. Die zulässigen Querkräfte FA- und FR- werden entsprechend reduziert.

Die Querkräftangaben beziehen sich auf Kraftangriff in der Mitte des Wellenendes. Bei der Ermittlung der zulässigen Quer- und Axialkräfte wurde die ungünstigste Kraftangriffsrichtung und Drehrichtung angenommen.

Höhere Quer- und Axialkräfte sind eventuell möglich. Wenn solche Anwendungen in Frage kommen, teilen Sie PGR bitte detailliert für eine genaue Berechnung, die Angaben der tatsächlichen Kraft- und Drehrichtung sowie der erforderlichen Lebensdauer mit.

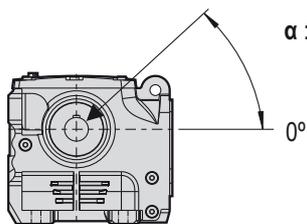
Werden auf der Abtriebswelle Übertragungselemente aufgesetzt, so ist bei der Ermittlung der auftretenden Querkraft ein entsprechender Faktor (fz) zu beachten.

Querkräft-Faktor fz

| Übertragungselemente | Faktor fz | Hinweise |
|--------------------------|-----------|-------------------|
| Zahnräder | 1.1 | $z \leq 17$ Zähne |
| Kettenräder | 1.4 | $z \leq 13$ Zähne |
| Kettenräder | 1.2 | $z \leq 20$ Zähne |
| Schmalkeilriemenscheiben | 1.7 | durch |
| Flachriemenscheiben | 2.5 | Vorspannkraft |
| Zahnriemenscheiben | 1.5 | |

Kuvvet uygulama noktası:

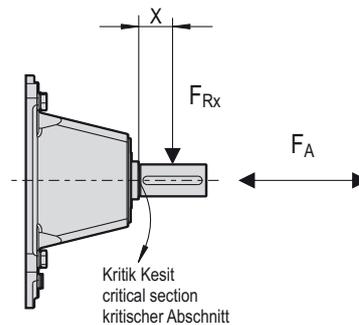
Kuvvet uygulama noktası aşağıdaki şekillere göre tanımlanır.



α : Kuvvet uygulama açısı
force application angle
Kraftangriffswinkel

Definition of force application point:

The point of force application is defined according to the following figure.



Kritik Kesit
critical section
kritischer Abschnitt

Definition des Kraftangriffs:

Der Kraftangriff wird gemäß dem folgenden Bild definiert.

F_{R_x} : "X" Uygulama noktasındaki müsaade edilen radyal kuvvet [N]

F_A : Müsaade edilen eksenel kuvvet [N]

F_{R_x} : Permitted overhung load at point [N]

F_A : Permitted axial force [N]

F_{R_x} : zulässige Querkraft bei Abstand [N]

F_A : zulässige Axialkraft [N]

TR

TEKNİK BİLGİLER

Mil üzerinde ortaya çıkan radyal kuvvet, aşağıdaki formül kullanılarak hesaplanmıştır.

$$F_{R\text{vorth}} = \frac{2 \cdot M_a}{d_0} \cdot f_z \leq F_R$$

M_2 : Redüktör çıkış momenti [Nm]
 f_z : Tablodaki radyal kuvvet faktörü
 d_0 : Etkin daire çapı [mm]
 F_R : Seçim tablolarından alınan müsaade edilebilir radyal kuvvet [kN]
 $F_{R\text{vorth}}$: Mil üzerindeki radyal kuvvet [kN]

EN

TECHNICAL INFORMATION

The radial force on the shaft was calculated using the formula below.

$$F_{R\text{vorth}} = \frac{2 \cdot M_a}{d_0} \cdot f_z \leq F_R$$

M_2 : Output torque of gear unit [Nm]
 f_z : Factor which is taken from table
 d_0 : Effective circular diameter [mm]
 F_R : Permitted radial force which is taken from the speed and output moment tables. [kN]
 $F_{R\text{vorth}}$: Radial force on the gear unit shaft [kN]

DE

TECHNISCHE INFORMATION

Die auftretende Querkraft an der Getriebewelle wird wie folgt bestimmt:

M_2 : (Nm) Abtriebsmoment des Getriebes
 f_z : Querkraft-Faktor aus Tabelle
 d_0 : (mm) Wirkkreisdurchmesser
 F_R : (kN) zulässige Querkraft nach Drehzahl und Leistungstabellen
 $F_{R\text{vorth}}$: (kN) vorhandene Querkraft an der Getriebewelle

Eğer kuvvet mil ortasına uygulanmazsa kuvvetin etki ettiği herhangi bir "x" noktasındaki müsaade edilen radyal kuvvet değeri aşağıdaki formül 1 ve formül 2 kullanılarak hesaplanır.

Formula 1 and formula 2 is used when force is not acting on the middle of shaft, by this way you can calculate permissible radial force value at any "x" point where the force acts

Ist der Kraftangriff nicht auf Wellenmitte, so kann die zulässige Querkraft mit Hilfe der Gleichungen 1 und 2 auf jede beliebige Stelle "x" umgerechnet werden.

Formül / Formula / Gleichung - I

$$F_{RXL} = F_R \cdot \frac{z}{y + x}$$

Formül / Formula / Gleichung - II

$$F_{RXW} = \frac{c}{(f + x) \cdot 1000}$$

X : mil faturasından (kritik kesitinden) kuvvet uygulama noktasına olan uzaklık [mm]
 F_{RXW} : x noktasına etkiyen müsaade edilebilir radyal kuvvet (Mil dayanımına göre)
 F_R : Motorlu seçim tablolarından gelen milin ortasına etkiyen radyal kuvvet [kN]
 F_{RXL} : x noktasına etkiyen müsaade edilebilir radyal kuvvet (yataklama, rulman servis ömrüne göre)
 z,y,f : Radyal yük dönüşümü için dişli ünitesi sabitleri
 c : Radyal yük dönüşümü için dişli ünitesi sabiti

X : distance from the shaft collar to the point of force application [mm]
 F_{RXW} : permitted overhung force point X - shaft stability
 F_R : overhung force from the speed and output tables, force applied at the middle of the shaft [kN] point X - bearing service life
 F_{RXL} : permitted radial force acting on point X (according to bearing service life)
 z,y,f : Gear unit constants for radial load conversion
 c : Gear unit constant for radial load conversion

X : Abstand von Wellenbund bis Kraftangriff (mm)
 F_{RXW} : zul. Querkraft an Stelle x Wellenfestigkeit
 F_R : Querkraft aus Drehzahl- und Leistungstabelle, Kraftangriff auf Wellenmitte (kN)
 F_{RXL} : zul. Querkraft an Stelle x Lagerlebensdauer
 z,y,f : Faktoren siehe Tabelle
 c : Faktoren siehe Tabelle

| | | |
|----------|---|-------|
| c | | [Nmm] |
| C_{GR} | | [Nmm] |
| f |  10-13 | [mm] |
| y | | [mm] |
| z | | [mm] |

Burada hesaplamalarda formül 1'in yatak servis ömrüyle formül 2'nin mil dayanımıyla bağlantılı olduğu unutulmamalıdır. Yatak servis ömrüyle alakalı hesaplamalarda formül 1'den gelen sonuç, mil dayanımı ile alakalı hesaplamalarda formül 2'den gelen sonuç kullanılmalıdır.

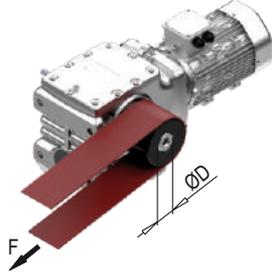
It should be noted here that in calculations, formula 1 is related to service life and formula 2 is related to shaft stability. The result from formula 1 should be used in calculations related to service life, and the result from formula 2 should be used in calculations related to shaft stability.

Hierbei ist zu beachten, dass grundsätzlich nach Gleichung 1 (Lebensdauer) und Gleichung 2 (Wellenfestigkeit) gerechnet wird, wobei der kleinere Wert als zulässig anzugeben ist.

TR RADYAL YÜK HESABI

EN CALCULATION OF RADIAL LOADS

DE BERECHNUNG VON QUERKRAFT



RADYAL YÜKLERİN HESABI

Radyal yük F(N)'nin hesaplanmasında gerekli tahrik momenti M (Nm), kasnak veya dişli çapı D (mm) olmak üzere aşağıdaki formüller kullanılır.

CALCULATION OF OVERHUNG LOADS

Radial load F (N) is calculated with the following formulas where required moment M (Nm) and hoop or gear diameter D (mm) is used.

BERECHNUNG VON QUERKRAFT

Radiallast F (N) Berechnung erforderlich Antriebsmoment M (Nm), Durchmesser der Riemenscheibe oder des Gewindes D (mm) die folgenden Formeln es wird verwendet.



1 - Elastik Kaplin

Çalışma sırasında oluşan sapmalar kaplinin güvenlik sınırları içerisinde ise kuvvetler ihmal edilebilir.

1 - Elastik Coupling

If elastic coupling is working in its reliable working area, the overhung loads can be neglected.

1 - Elastische Kupplung

Abweichungen im Betrieb gewährleisten die Sicherheit der Kupplung. Kräfte können vernachlässigt werden.



2 - Düz Dişli (20° kavrama açılı)

2 - For Spur Gear (Pressure angle 20°)

2 - Stirnrad (20° Kupplungswinkel)

$$F_R = \frac{2100 \times M_2}{D}$$



3 - Küçük Hızlarda Zincir Dişli (Z < 17)

3 - For Chain Drive With Low Speed (Z < 17)

3 - Kettenrad bei kleinen Geschwindigkeiten (Z < 17)

$$F_R = \frac{2100 \times M_2}{D}$$



4 - Triger Kayış

4 - For Trigger Belt

4 - Zahnriemen

$$F_R = \frac{2500 \times M_2}{D}$$



5 - V Kayış

5 - For V Belt

5 - Keilriemen

$$F_R = \frac{5000 \times M_2}{D}$$

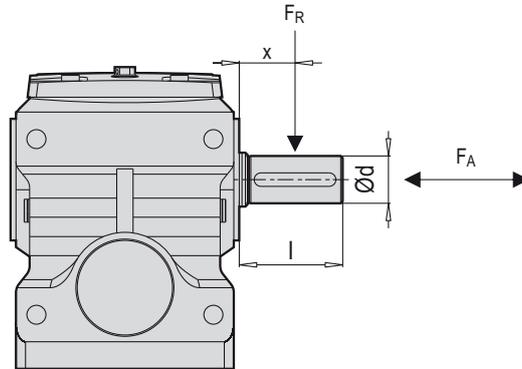


6 - Gerdirme Makaralı Kayış

6 - Flat Belt With Spanning Puley

6 - Spannrollenriemen

$$F_R = \frac{5000 \times M_2}{D}$$



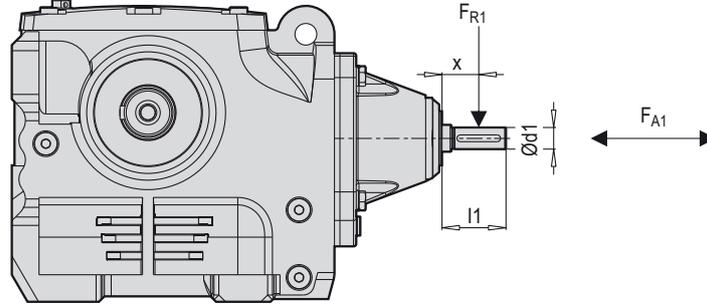
ÇIKIŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER
 VALUE TABLE FOR RADIAL AND AXIAL LOADS AT OUTPUT SHAFT
 WERTE FÜR QUER UND AXIALKRAFT AN DER AUSGANGSWELLE

| Redüktör Tipi Gearbox Type Reduzierertyp | y (mm) | z (mm) | c Normal Normal (Nmm) | CGR Güçlendirilmiş / Reinforced / Verstärkt (Nmm) | f (mm) | d (mm) | l (mm) |
|--|-----------|-----------|--------------------------------|--|-----------|-----------|-----------|
| PSH 2040 | 99.5 | 115.5 | 0.07 X 10 ⁶ | — | 0 | 20 | 40 |
| PSH 2050, PSH 3050 | 104.0 | 129.0 | 0.12 X 10 ⁶ | 0.19 X 10 ⁶ | 0 | 25 | 50 |
| PSH 2063, PSH 3063 | 118.5 | 148.5 | 0.19 X 10 ⁶ | 0.30 X 10 ⁶ | 0 | 30 | 60 |
| PSH 2080, PSH 3080 | 150.0 | 185.0 | 0.21 X 10 ⁶ | 0.41 X 10 ⁶ | 0 | 35 | 70 |
| PSH 2100, PSH 3100 | 179.0 | 224.0 | 0.51 X 10 ⁶ | 0.94 X 10 ⁶ | 0 | 45 | 90 |
| PSH 2125, PSH 3125 | 233.5 | 293.5 | 1.33 X 10 ⁶ | 2.19 X 10 ⁶ | 0 | 60 | 120 |

y - z - c - CGR - f  10

- W ADAPTÖR

- W ADAPTER



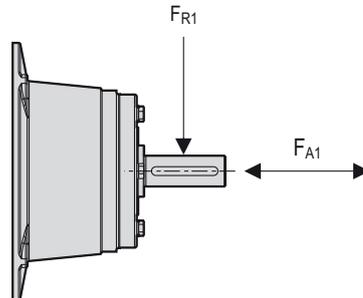
GİRİŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER
VALUE TABLE FOR RADIAL AND AXIAL LOADS AT INPUT SHAFT
WERTE FÜR QUER UND AXIALKRAFT AN DER EINGANGSWELLE

f=0

| Redüktör Tipi Gearbox Type Reduzierertyp | y (mm) | z (mm) | c (Nmm) | d1 (mm) | l1 (mm) |
|--|-----------|-----------|---------------------|------------|------------|
| PSH 2040 | 58.5 | 78.5 | 0.037×10^6 | 16 | 40 |
| PSH 2050 PSH 2063 PSH 2080 PSH 3050 PSH 3063 PSH 3080 PSH 3100 | 70.0 | 90.0 | 3.64×10^4 | 16 | 40 |
| PSH 2100 PSH 3125 | 96.5 | 121.5 | 1.07×10^5 | 24 | 50 |
| PSH 2125 | 110.5 | 150.5 | 4.70×10^5 | 38 | 80 |

y - z - c  10

- W ADAPTÖR
- W ADAPTER



| Tip Type Typ | PSH 2040 | | PSH 2050 PSH 2063 PSH 2080 PSH 3050 PSH 3063 PSH 3080 PSH 3100 | | PSH 2100 PSH 3125 | | PSH 2125 | |
|--------------------|----------|--------|--|--------|----------------------|--------|----------|--------|
| | [kN] | [kN] | [kN] | [kN] | [kN] | [kN] | [kN] | [kN] |
| P1 (kW) | FA1 | FR1 | FA1 | FR1 | FA1 | FR1 | FA1 | FR1 |
| 0.12 | 1.2 | 0.85 | 1.2 | 0.85 | 2.9 | 2.1 | - | - |
| 0.18 | 1.1 | 0.82 | 1.1 | 0.82 | 2.9 | 2.1 | - | - |
| 0.25 | 1.0 | 0.78 | 1.0 | 0.78 | 2.8 | 2.1 | - | - |
| 0.37 | 0.89 | 0.75 | 0.89 | 0.75 | 2.6 | 2.1 | 4.1 | 2.1 |
| 0.55 | 0.77 | 0.72 | 0.77 | 0.72 | 2.5 | 2.0 | 3.9 | 2.8 |
| 0.75 | 0.58 | 0.70 | 0.58 | 0.70 | 2.3 | 1.9 | 3.8 | 2.4 |
| 1.10 | 0.35 | 0.61 | 0.35 | 0.61 | 2.1 | 1.8 | 3.5 | 2.7 |
| 1.50 | 0.29 | 0.43 | 0.29 | 0.43 | 2.0 | 1.8 | 3.3 | 2.6 |
| 2.20 | 0.20 | 0.42 | 0.20 | 0.42 | 1.7 | 1.7 | 2.7 | 2.4 |
| 3.00 | 0.15 | 0.23 | 0.15 | 0.23 | 1.5 | 1.6 | 2.5 | 2.3 |
| 4.00 | - | - | - | - | 0.98 | 1.1 | 2.3 | 2.1 |
| 5.50 | - | - | - | - | 0.65 | 1.0 | 1.6 | 1.8 |
| 7.50 | - | - | - | - | 0.27 | 1.0 | 1.4 | 1.3 |
| 9.20 | - | - | - | - | - | - | 1.0 | 0.98 |
| 11.0 | - | - | - | - | - | - | 0.59 | 0.47 |

$F_{A1} \Rightarrow F_{R1} = 0$
 $F_{R1} \Rightarrow F_{A1} = 0$



| TR | KISALTMALAR | EN | ABBREVIATIONS | DE | ABKÜRZUNGEN |
|--------------|--|-------------|---|-------------|--|
| f_B | = Servis Faktörü (Mamax / Ma) | f_B | = Service factor (Mamax / Ma) | f_B | = Betriebsfaktor (Mamax / Ma) |
| F_A | = Çıkış tarafındaki müsaade edilebilir aksenal yük [kN] | F_A | = Permissible axial load at the output side [kN] | F_A | = zulässige axiale Belastung auf der Abtriebsseite [kN] |
| F_R | = Çıkış tarafındaki, milin orta noktasına etkiyen müsaade edilebilir radyal yük [kN] | F_R | = Permissible overhung load at the output side, force acting at the shaft's midpoint [kN] | F_R | = Querkraft aus Drehzahl- Leistungstabellen, Kraftangriff auf Wellenmitte [kN] |
| F_D | = Reaksiyon yükü [kN] | F_D | = Reaction [kN] | F_D | = Reaktionsbelastung [kN] |
| i_{toplam} | = Dişli ünitesindeki toplam tahvil oranı | i_{total} | = Gear units total ratio | i_{total} | = Gesamtübersetzungsverhältnis |
| i_{ges} | = Tahvil oranı | i_{ges} | = Reduction ratio | i_{ges} | = Übersetzungsverhältnis |
| M_2 | = Çıkış momenti [Nm] | M_2 | = Output torque [Nm] | M_2 | = Abtriebsdrehmoment [Nm] |
| M_{amax} | = Müsaade edilebilir maksimum çıkış momenti [Nm] | M_{amax} | = Max. permissible output torque [Nm] | M_{amax} | = zul. Maximale Drehmoment [Nm] |
| n_2 | = Çıkış devri [d/dk] | n_2 | = Output speed [min ⁻¹] | n_2 | = Abtriebsdrehzahl [min ⁻¹] |
| P_e | = Mamax referans alınarak hesaplanan güç [kW] | P_e | = Calculated power [kW] with reference to Mamax | P_e | = Mit der Referenz Mamax berechnete Leistung [kW] |
| P_n | = Motor güç oranı [kW] | P_n | = Rated power of motor [kW] | P_n | = Motorleistung [kW] |
| η | = Verim [%] | η | = Efficiency [%] | η | = Leistung [%] |
| kg | = Redüktörün ağırlığı | kg | = Weight of the geared motor | kg | = Gewicht des Getriebes |

HELİSEL - SONSUZ DİŞLİLİ REDÜKTÖRLER (PSH)

Polat Group Redüktör ürünü olan Helisel-Sonsuz dişlili (PSH) serisi 6 farklı gövde büyüklüğü ile hizmete sunulmaktadır.

Redüktörler;

- PSH 2040...2125 arası 2 kademeli redüktörlere indirgeyici gövde montajlanarak 3 kademeli (PSH 3050 ... 3125) olarak sunulmaktadır.

Her bir gövde büyüklüğümüz için ayakta ve flanşta montaj opsiyonumuz mevcuttur. Helisel - sonsuz dişlili redüktörler motor mili ile çıkış şaftı arasında 90° açı olan redüktörlerdir. Bu tasarım yapısı sayesinde çeşitli uygulamalarda farklı faydalı özellikler sunmaktadır.

Yeni nesil PGR dişli ünitelerimiz UNICASE ilkesine göre geliştirilmiştir. Redüktörlerimiz bu prensibe göre yekpare olarak tasarlanmıştır. Yekpare gövdemiz tüm rulmanların entegre edildiği tek bir muhafazadır. Yekpare gövdemizin son ölçülerine getirilmesi güncel ve son teknoloji CNC ünitelerimizde gerçekleştirilir. Unicase konsepti en yüksek düzeyde hassasiyet, rijitlik ve dayanıklılık sağlar. Eksenel kuvvetlere ve torka maruz kalabilen redüktör gövdemizin üzerinde ayrı bağlantı elemanı yoktur. Unicase prensibi şaft eksenlerinin kademeli olmasına izin verir, bu da daha uzun bir çalışma ömrünü garanti etmek için daha büyük yataklama elemanı (rulman) kullanma olanağı sunar. Unicase prensibinin getirdiği hassas mil (şaft) hizalaması ve yüksek yüklem kapasitesi, uzun hizmet ömrü ve düşük gürültü sağlar. Dişliler, yataklar, miller DIN 3990 DIN ISO 281 uluslararası normlara göre hesaplanmıştır. Çıkış tarafı ile giriş arasında eksen kaçıklığına neden olabilecek çıkıntı veya tork yüklerine maruz kalan herhangi bir bağlantı elemanı (vida vb) yoktur. Pik / sfero veya alüminyum gövdeler için gövdeden sağlanan montaj kolaylığı ile vibrasyon salınım etkisi en aza indirilir.

Kullanıcı isteğine göre opsiyonel olarak her iki yönden sağlanan çıkış; her bir dişli kademesi için ayrı olarak 0,96...0,98 arasında yüksek bir verimlilikle (her bir kademenin bağımsız olarak verimliliği bu değerler arasındadır) dişli ünitelerimizde sunulmaktadır. PSH redüktörlerimizde bu durum farklıdır.

Fabrikamızda bulunan son sistem CNC tezgahlarında açılan dişliler yüksek ve geniş yelpazeli imalat toleransı ile günümüz uluslararası standartlarının tamamını karşılamaktadır. Redüktör gövdelerimiz GG 25-30, GGG 50-60 ya da alüminyum yapılmıştır.

Yataklar ve dişliler tribolojinin kurallarına göre optimize edilmiş bir yağ banyosunda çalışır.

Dişli ünitelerimizin sızdırmazlığında NBR keçe kullanılır. Opsiyonel olarak viton (FKM) keçe kullanımımız da mevcuttur. Dövme malzemeden yapılan dişlilerimiz gerekli ısı işlem, sementasyon, honlama, gibi proseslerden geçirilerek redüktörümüzün sorunsuz çalışması sağlanır. Dişli dizaynındaki doğru oluşturulan geometri ve doğru malzeme seçimi, çalışan dişlilerimizin daha sessiz, daha hafif ve daha yüksek hızlarda daha fazla yük taşıırken daha az ısı üretmesini mümkün kılmaktadır. Redüktörlerimiz sessiz, yüksek dayanımlı ve servis ömrü uzun çalışma sağlamaktadır. Bu da zorlu çalışma koşullarında güvenli çalışmayı beraberinde getirir. PSH serisi redüktörlerimiz her türlü endüstriyel uygulamada kullanılabilir.

HELICAL - WORM GEAR UNIT (PSH)

Polat Worm Gear (PSH) series, a product of PGR, have 6 different body sizes.

Gear Units;

- Gear units from PSH 2040 to 2125 can be made 3 stage (From PSH 3050 to 3125) by using reductive case.

We have case and foot mounting options for each of our body sizes. Helical - worm gear reducers are gear units with a 90° angle between the motor shaft and the output shaft. Thanks to this design structure, it offers different useful features in various applications.

Our new generation PGR gear units have been developed according to the UNICASE principle. Our gear units are designed as a one-piece according to this principle. Our one-piece body is a single housing in which all bearings are integrated. Bringing our one-piece body to its final dimensions is carried out in our updated technology CNC units. The Unicase concept provides the highest level of precision, rigidity and durability. We do not have different connection element on our gear unit body, which can be exposed to axial forces and torque. The Unicase principle allows the shaft axes to have stages, which offers the possibility to use larger bearings (bearings) to guarantee a longer durability. The precise shaft alignment and high loading capacity which is provided by Unicase principle ensure durability and low noise. Gears, bearings, shafts are calculated according to DIN 3990 DIN ISO 281 international norms. There are no connector (screws, etc.) that are exposed to protrusion or torque loads that may cause axial misalignment between the output side and the input side. Vibration oscillation effect is minimized with the ease of mount provided from the body for ductile iron or aluminum bodies. Output provided from both sides optionally according to the user's request is offered by our gear units with a high efficiency of 0.96...0.98 for each gear stage separately (the efficiency of each stage independently is between these values). This situation is different in our PSH reducers.

The gears produced on the cutting-edge technology system CNC machines in our factory encounter provides all today's international standards with high and wide range with manufacturing tolerances. Our gear unit bodies are made of GG 25-30, GGG 50-60 or aluminum.

Bearings and gears work in an optimized oil bath according to the rules of tribology.

NBR seal is used in the leekproofing of our gear units. We have viton seal (FKM) as optional. Our gear units, which are made of forged material, are passed through the necessary processes such as heat treatment, cementation, honing. After that, our gear units is ensured working without problem. Correctly created geometry and correct material selection in gear design make it possible for our working gears to be quiet, lighter and they can generate less heat while carrying more loads at higher velocity. Our gear units provide quiet working and durability. This situation brings safe working in hard working conditions. Our PSH series gear units can be used in all kinds of industrial applications.

STIRNRAD-SCHNECKENGETRIEBE (PSH)

Ein Produkt der Polat Group Stirnrad-Schneckengetriebe (PSH)-Serie, wird mit 6 verschiedenen Gehäusegrößen angeboten.

Getriebe:

- durch Montage von Reduziergehäuse an 2-stufige Getriebe zwischen PSH 2040 und PSH 2125, 3-stufig zwischen PSH 3050 und 3125

Für all unsere Gehäusegrößen sind Optionen mit Fuß- und Flanschbefestigung vorhanden. Stirnrad-Schneckengetriebe sind Getriebe mit einem Winkel von 90° zwischen der Motorwelle und der Abtriebswelle. Dank dieser Designstruktur bietet es verschiedene nützliche Funktionen in verschiedenen Anwendungen.

Unsere PGR-Getriebe der neuen Generation wurden nach dem UNICASE-Prinzip entwickelt. Unsere Reduzierstücke werden nach diesem Prinzip als Einzelstück konstruiert. Unser solider Körper ist ein einziges Gehäuse, in dem alle Lager integriert sind. In unseren aktuellen und hochmodernen CNC-Anlagen wird unser Massivkörper auf Endmaß gebracht. Das Unicase-Konzept bietet ein Höchstmaß an Präzision, Festigkeit und Widerstandsfähigkeit. An unserem Reduzierkörper befindet sich kein separates Verbindungselement, das axialen Kräften und Drehmomenten ausgesetzt werden kann. Durch das Unicase-Prinzip können die Wellenachsen versetzt werden, was die Möglichkeit bietet, größere Lager zu verwenden, um eine längere Lebensdauer zu gewährleisten. Präzise Wellenausrichtung und hohe Belastbarkeit durch das Unicase-Prinzip sorgen für lange Lebensdauer und geringe Geräuschentwicklung. Zahnräder, Lager, Wellen werden nach den internationalen Normen DIN 3990 DIN ISO 281 berechnet. Es gibt keine Befestigungselemente (Schrauben usw.) zwischen der Abtriebsseite und dem Eingang, die Überstands- oder Drehmomentbelastungen ausgesetzt sind, die eine axiale Fehlausrichtung verursachen könnten. Der Schwingungseffekt wird durch die einfache Montage des Gehäuses für Guss-/Sphäroguss- oder Aluminiumkörper minimiert.

Ausgang aus beiden Richtungen wahlweise nach Wunsch des Benutzers; wird von unseren Getrieben mit einem hohen Wirkungsgrad zwischen 0,96...0,98 für jede Getriebestufe separat angeboten. (der Wirkungsgrad jeder Stufe liegt unabhängig zwischen diesen Werten). Anders verhält es sich bei unseren PSH-Reduzieren.

Die in unserem Werk auf modernsten System - CNC-Maschinen geöffneten Verzahnungen erfüllen alle heutigen internationalen Standards mit hohen und weiten Fertigungstoleranzen. Unsere Reduzierkörper werden aus GG 25-30, GGG 50-60 oder Aluminium gefertigt.

Lager und Getriebe arbeiten in einem optimierten Ölbad nach den Regeln der Tribologie. Zur Abdichtung unserer Getriebe wird NBR-Filz verwendet. Optional ist auch Viton (FKM)-Filz erhältlich. Unsere Zahnräder aus geschmiedetem Material durchlaufen die notwendigen Prozesse wie Wärmebehandlung, Zementieren, Honen und sorgen für einen reibungslosen Betrieb unseres Getriebes. Eine richtig erstellte Geometrie und die richtige Materialauswahl in der Zahnradkonstruktion machen es möglich, dass unsere Zahnräder leiser, leichter und weniger Wärme erzeugen und gleichzeitig mehr Lasten bei höheren Geschwindigkeiten tragen. Unsere Getriebe zeichnen sich durch leiser Betrieb, hohe Festigkeit und lange Lebensdauer aus. Dies bringt sicheres Arbeiten unter schwierigen Arbeitsbedingungen mit sich. Unsere Getriebe der Baureihe PSH können in allen Arten von Industrieanwendungen eingesetzt werden.

TR

PSH TANITIMI

Motorlu ya da motorsuz seçeneklerde, W kovanlı, PAM ve IEC adaptörlü giriş opsiyonları sunulmaktadır.

Helisel sonsuz dişli redüktörler;
0.12 kW dan 15 kW'ya kadar değişen güçleri ile maksimum 3570 Nm'ye kadar çıkış momenti sağlayabilmektedir.

EN

DESCRIPTION OF PSH

For motor and without motor versions, we have input options of free input shaft ,with PAM,IEC adaptors.

Helical worm gear units;
with various power ranging between 0,12 kW and 15 kW, supplies at most 3570 Nm output moment.

DE

PSH-EINFÜHRUNG

Bei Auswahlmöglichkeiten mit oder ohne Motor gibt es Antriebsoptionen mit freier Antriebswelle, PAM- und IEC Adapter.

Stirrad - Schneckengetriebe bieten ein Abtriebsmoment von max. 3570 Nm bei einer Leistung zwischen 0,12 kW und 15 kW.

MAX. MÜSAADE EDİLEBİLİR ÇIKIŞ MOMENTİ $M_{a \max}$.MAX. PERMISSIBLE OUTPUT TORQUES $M_{a \max}$.MAX. ZULÄSSIGE AUSGANGSMOMENTE $M_{a \max}$.

139 - 159

İki ve Üç kademeli helisel sonsuz dişli redüktör
Helical-worm gear units, double and triple stage reduction
Zwei und dreistufiges Stirrad-Schneckengetriebe

| Tip/Type/Typ | Mamax. (Nm) | Tip/Type/Typ | Mamax. (Nm) |
|--------------|-------------|--------------|-------------|
| PSH 2040 | 100 | | |
| PSH 2050 | 185 | PSH 3050 | 195 |
| PSH 2063 | 360 | PSH 3063 | 380 |
| PSH 2080 | 710 | PSH 3080 | 770 |
| PSH 2100 | 1420 | PSH 3100 | 1590 |
| PSH 2125 | 2850 | PSH 3125 | 3090 |

TR

W, IEC VE PAM ADAPTÖRÜ

W kovanlı (serbest giriş millili) redüktörler için geçerli maksimum tahrik gücü, uygun tahvil oranı ve çıkış devrine göre (min-1) W, IEC, PAM seçim tablolarında belirlenmiştir. IEC'li ve PAM'lı redüktörlerde her bir gövde büyüklüğü için DIN EN 50347 standardına göre standart güçler verilir. Ancak maksimum çıkış gücü, tahvil oranlarına göre tablolarda verilmiştir. Eğer W, IEC, PAM seçim tablolarındaki listelenen P1 güç değerlerinden daha fazla bir güç istenirse özel hesaplamalar gerekmektedir. Bu durumda lütfen firmamıza danışınız.

Kaldırıcılar, asansörler ve yaralanmalar vs. gibi kazalara sebep olabilecek özel durumlar için özel önlemler ve özel hesaplamalar gerekebilir. Bu durumlar için PGR'ye danışınız. Doğrudan monte edilen akuple motorla karşılaştırıldığında IEC adaptöründe ek bir şaft kaplini ve ek rulman yatakları bulunur. Doğrudan monte edilen akuple motorla karşılaştırıldığında IEC bağlantılı redüktörlerde yük kayıpları seviyesi çok daha yüksektir. Sadece teknik avantajlar değil ayrıca fiyat avantajı da sunduğu için PGR olarak akuple motor montajı önerilmektedir.

EN

W, IEC AND PAM ADAPTER

For gear units with W cylinder(with free input shaft), the maximum drive power,proper ratio rate, and output speed (min-1) is given at W, IEC, PAM selection tables.In gear units with IEC and PAM, standard powers are given for each body size according to DIN EN 50347 standard. However, the maximum output power is given in the tables according to the reduction ratio. Special calculations are required if more power is required than the P1 power values which is listed in the W, IEC, PAM selection tables. In this case, please kindly consult our company.

For situations which can lead to accidents like lifters, lifts and injuries etc , you should make special calculations and precautions. For such cases, consult our company. Compared to a directly mounted coupled motor, the IEC adapter has an additional shaft coupling and additional bearings. Compared to a directly mounted coupled motor, the level of load losses is much higher in gear units with IEC connection. Coupled engine installation is recommended as PGR, as it offers not only technical advantages but also price advantage.

DE

W, IEC UND PAM ADAPTER

Bei Getrieben mit freier Antriebswelle, Typ W, gilt die in den Leistungs- und Übersetzungstabellen angegebene maximale Antriebsleistung. Bei Getrieben mit IEC-Anbau, gilt die Normleistung der jeweiligen Baugröße nach DIN EN 50347, maximale jedoch die in den Leistungs- und Übersetzungstabellen angegebene Antriebsleistung. Bei höheren Drehzahlen, als in den Leistungs- und Übersetzungstabellen angegeben, sind eventuell Sondermaßnahmen erforderlich, wir bitten um Anfrage.

Bei Hubwerken, Aufzügen und anderen Einsatzfällen mit Personengefährdung sind Sondermaßnahmen erforderlich, hier bitten wir um Anfrage. Der IEC-Adapter hat gegenüber dem Direktanbau des Motors eine zusätzliche Wellenkupplung und zusätzliche Lagerstellen. Hierdurch entstehen gegenüber dem Direktanbau, des Motors höhere Leerlaufverluste. Wir empfehlen den Direktanbau des Motors, da er nicht nur technische Vorteile, sondern auch zusätzlich noch Preisvorteile bietet.

| TR | UYGULAMA ALANLARI | EN | APPLICATION AREAS | DE | EINSATZBEREICHE |
|----|---|----|--|----|---|
| | UYGULAMALAR | | APPLICATIONS | | ANWENDUNGEN |
| | KARIŞTIRICILAR | | AGITATORS (MIXERS) | | MISCHER |
| | * Saf Sıvılar * Sıvılar ve Katılar * Değişken Yoğunluklu Sıvılar | | * Pure Liquids * Liquids and Solids * Liquids - Variable Density | | * Reine Flüssigkeiten * Flüssigkeiten und Feststoffe * Flüssigkeiten mit variabler Dichte |
| | HAVALANDIRMA TERTİBATLARI | | BLOWERS | | BELÜFTUNGSVORRICHTUNGEN |
| | * Santrifüj * Lob * Pervane | | * Centrifugal * Lobe * Vane | | * Zentrifuge * Lob * Propeller |
| | MAYALAMA VE DAMITMA | | BREWING AND DISTILLING | | GÄREN UND DESTILLIEREN |
| | * Şişeleme Mekanizması * Mayalama Kazanları - Kesintisiz İş * Fırınlr, Ocaklar - Kesintisiz İş * Ezme, Karışım Kazanları - Kesintisiz İş * Ölçü Haznesi - Sık Sık Başlama | | * Bottling Machinery * Brew Kettles - Continuous Duty * Cookers - Continuous Duty * Mash Tubs - Continuous Duty * Scale Hopper - Frequent Starts | | * Abfüllmechanismus * Gärkessel - Ununterbrochene Arbeit * Öfen, Herde - Ununterbrochener Betrieb * Zerkleinern, Mischkesseln - Ununterbrochenes Arbeiten * Messbehälter - Häufiger Start |
| | TOPRAK İŞLEME MAKİNELERİ | | CLAY WORKING MACHINERY | | BODENBEARBEITUNGSMASCHINEN |
| | * Tuğla Presi * Briket Makinesi * Çamur Karma Makinesi | | * Brick Press * Briquette Machine * Pug Mill | | * Ziegelpresse * Briquetmaschine * Schlammischer |
| | KOMPRESÖRLER | | COMPRESSORS | | KOMPRESSOREN |
| | * Santrifüj * Lob * Çok Pistonlu * Tek Pistonlu | | * Centrifugal * Lobe * Reciprocating, Multi-Cylinder * Reciprocating, Single-Cylinder | | * Zentrifuge * Lob * Mehrkolben * Einzelkolben |
| | KONVEYÖRLER - GENEL MAKSATLI | | CONVEYORS - GENERAL PURPOSE | | FÖRDERER - ALLGEMEINE ZWECKE |
| | * Üniform Yüklü * Üniform Yüklü Olmayan * Pistonlu veya Karıştırıcı | | * Uniformly Loaded or Fed * Not Uniformly fed * Reciprocating Or Shaker | | * Uniform geladen * Nicht einheitlich belastet * Mit Kolben oder Mischer |
| | VİNÇLER | | CRANES | | KRÄNE |
| | * Kuru Havuz Ana Kaldırma vinci Yardımcı Vinç Direkli Vinç Döndürme İşi Çekme İşi * Endüstriyel İşi Ana Kaldırma Vinci | | * Dry Dock Main Hoist Auxiliary Hoist Boom Hoist Slewing Drive Traction Drive * Industrial Duty Main Hoist | | * Trockenbecken Haupthebekran Hilfskran Mastkran Rotationsarbeit Zieharbeit * Industrielle Haupthebewinde |
| | ASANSÖRLER | | ELEVATORS | | AUFZÜGE |
| | * Kova * Santrifüj Boşaltma * Yürüyen Merdiven * Taşıma, Nakliye * Yerçekimi Boşaltım | | * Bucket * Centrifugal Discharge * Escalators * Freight * Gravity Discharge | | * Eimer * Zentrifugalentladung * Rolltreppe * Abwicklung, Versand * Schwerkraftentladung |
| | KIRMA MAKİNELERİ | | CRUSHER | | ZERKLEINERUNGSMASCHINEN |
| | * Taş ya da Maden | | * Stone or Ore | | * Stein oder Mine |

| TR | UYGULAMA ALANLARI | EN | APPLICATION AREAS | DE | EINSATZBEREICHE |
|----|--|----|--|----|--|
| | UYGULAMALAR | | APPLICATIONS | | ANWENDUNGEN |
| | TARAMA MAKİNELERİ | | DREDGES | | SIEBMASCHINEN |
| | * Kablo Bobinleri * Konveyörler * Pompalar * İstifleme Makineleri * Vinçler | | * Cable Reels * Conveyors * Pumps * Stackers * Winches | | * Kabelspulen * Förderer * Pumpen * Stapelmaschinen * Kräne |
| | EKSTRUDERLER | | EXTRUDERS | | EXTRUDER |
| | * Genel * Plastikler Değişken Hızlı Tahrir Sabit Hızlı Tahrir * Kauçuk, Lastik Kesintisiz Vida İşlemleri Kesintili Vida İşlemleri | | * General * Plastics Variable Speed Drive Fixed Speed Drive * Rubber Continuous Screw Operation Intermittent Screw Operation | | * Allgemeines * Kunststoffe Antrieb mit variabler Geschwindigkeit Antrieb mit konstanter Geschwindigkeit * Gummi, Kautschuk Kontinuierlicher Schraubetrieb Intermittierende Schrauboperationen |
| | FANLAR | | FANS | | LÜFTER |
| | * Santrifüj * Yüksek Emişli * İndüklenmiş Çekiş * Endüstriyel ve Maden Ocağı | | * Centrifugal * Forced Draft * Induced Draft * Industrial and Mine | | * Zentrifuge * Starke Saugleistung * Induzierte Traktion * Industrie und Bergbau |
| | BESLEME ÜNİTELERİ | | FEEDERS | | FÜTTERUNGSMASCHINEN |
| | * Palet * Bant * Disk * Pistonlu * Vida | | * Apron * Belt * Disc * Reciprocating * Screw | | * Palette * Band * Scheibe * Kolben * Schrauben |
| | GIDA ENDÜSTRİSİ | | FOOD INDUSTRY | | NAHRUNGSMITTELINDUSTRIE |
| | * Hububat Fırını * Hamur Karıştırıcı * Kıyma Makinesi * Dilimleyici | | * Cereal Cooker * Dough Mixer * Meat Grinder * Slicer | | * Getreideofen * Knetmaschine * Fleischwolf * Schneidemaschine |
| | METAL İŞLEMELERİ | | METAL MILLS | | METALL VERARBEITUNG |
| | * Çekme Makinesi Taşıma ve Ana Tahrir * Hammadde İtici * Makaslar * Tel Çekme * Tel Sargı Makinesi * Salgı Tezgahı Geri Dönmesiz Tek Tahrir Grup Tahriri | | * Draw Bench Carriage and Main Drive * Slab Pushers * Shears * Wire Drawing * Wire Winding Machine * Runout Table Non-Reversing Individual Drives Group Drives | | * Traktionsmaschinen-Förderung und Hauptantrieb * Rohstoffschieber * Schere * Drahtziehen * Drahtwickelmaschine * Sekretbank Ohne Rückkehr Einzelantrieb Gruppenablage |
| | DÖNER İŞLEMELER | | MILLS (ROTARY TYPE) | | DREHARBEITEN |
| | * Küresel ve Çubuk Düz Halka Dişli Helisel Halka Dişli Doğrudan Bağlı * Çimento Fırını * Kurutucular ve Soğutucular | | * Ball and Rod Spur Ring Gear Helical Ring Gear Direct Connected * Cement Kilns * Dryers and Coolers | | * Sphärisch und Stab Flachringgetriebe Schrägverzahntes Hohlrad Direkter Anschluss * Zementofen * Trockner und Kühler |

TR UYGULAMA ALANLARI EN APPLICATION AREAS DE EINSATZBEREICHE

UYGULAMALAR APPLICATIONS ANWENDUNGEN

| KERESTE ENDÜSTRİSİ | LUMBER INDUSTRY | HOLZINDUSTRIE |
|---|---|--|
| <ul style="list-style-type: none"> * Kabuk Soyucular <ul style="list-style-type: none"> Besleme Tamburu Ana Tahrık * Konveyörler <ul style="list-style-type: none"> Brülör Ana Yük veya Ağır Yük Ana Kütük Hızır ve Taşıma Bandı Kalın Dilim Taşıma * Kesme Testereleri <ul style="list-style-type: none"> Zincir Sürükleme * İndirme Boşaltma Tamburları * Uzun Deste * Tomruk Çekme-Eğme * Kütük Döndürme Aygıtları * Sıralama Tablası * Taşıma <ul style="list-style-type: none"> Zincir Kreynyolu * Tabla Tahriki | <ul style="list-style-type: none"> * Barkers <ul style="list-style-type: none"> Spindle Feed Main Drive * Conveyors <ul style="list-style-type: none"> Burner Main or Heavy Duty Main Log Re-saw, Merry-Go-Round Slab Transfer * Cut-Off Saws <ul style="list-style-type: none"> Chain Drag * Debarking Drums * Long Deck * Log Hauls - Incline * Log Turning Devices * Sorting Table * Transfers <ul style="list-style-type: none"> Chain Causeway * Tray Drives | <ul style="list-style-type: none"> * Schalenschäler <ul style="list-style-type: none"> Zuführtrommel Hauptantrieb * Förderer <ul style="list-style-type: none"> Brenner Hauptlast oder Schwerlast Baumstumpf Sägewerk und Förderband Platte Transport * Trennsägen <ul style="list-style-type: none"> Kette Schleppen * Entladetrommeln * Langes Deck * Kloben ziehen und abbiegen * Drehvorrichtungen für Baumstufpe * Sortiertabelle * Transport <ul style="list-style-type: none"> Kette Kranbahn * Tischlaufwerk |

| KAĞIT İŞLEMELERİ | PAPER MILLS | PAPIERFÜHRUNG |
|--|---|--|
| <ul style="list-style-type: none"> * Karıştırıcı * Saf çözeltiler İçin Karıştırıcı * Kabuk Soyma Tromelleri * Mekanik Kabuk Soyucu * Dövcü - Öğütücü * Düzleştirme Makinesi * Kalenderleme * Yüzey Pürüzlendirici * Çentik Besleyici * Kaplama Merdanesi * Konveyörler <ul style="list-style-type: none"> Çentik, Kabuk, Kimyasal Kalın Dilimler İçeren Kütükler * Kesici * Silindir Kalıpları * Kurutucu <ul style="list-style-type: none"> Kağıt Makinesi Konveyör Tip * Kabartmalı Basıcı * Ekstrüder * Kağıt Merdaneleri * Presler * Küspe Makinesi * Pompalar | <ul style="list-style-type: none"> * Agitator (Mixer) * Agitator for Pure Liquors * Barking Drums * Mechanical Barkers * Beater * Breaker Stack * Calender * Chipper * Chip Feeder * Coating Rolls * Conveyors <ul style="list-style-type: none"> Chip, Bark, Chemical Log (including Slab) * Cutter * Cylinder Molds * Dryer <ul style="list-style-type: none"> Paper Machine Conveyor Type * Embosser * Extruder * Paper Rolls * Presses * Pulper * Pumps | <ul style="list-style-type: none"> * Rührgerät * Mischer für reine Lösungen * Peeling Tromeln * Mechanischer Schäler * Schlag - Mahlwerk * Richtmaschine * Kalandrieren * Oberflächenaufrauung * Kerbzuführung * Beschichtungswalze * Förderer <ul style="list-style-type: none"> Kerbe, Schale, Chemisch Stämme mit dicken Scheiben * Schneider * Zylinderformen * Trockner <ul style="list-style-type: none"> Papiermaschine Förderertyp * Geprägter Presser * Extruder * Papierrollen * Pressen * Teigmacher * Pumpen |

| FİLTRELER | SCREENS | FILTER |
|--|---|--|
| <ul style="list-style-type: none"> * Havalı Yıkama * Döner - Taş veya Çakıl * Hareketli Su Girişi | <ul style="list-style-type: none"> * Air Washing * Rotary - Stone or Gravel * Traveling Water Intake | <ul style="list-style-type: none"> * Luftwäsche * Rotierer - Stein oder Kies * Beweglicher Wassereinfluss |

| TR | UYGULAMA ALANLARI | EN | APPLICATION AREAS | DE | EINSATZBEREICHE |
|----|---|----|--|----|---|
| | UYGULAMALAR | | APPLICATIONS | | ANWENDUNGEN |
| | PLASTİK ENDÜSTRİSİ İLK İŞLEMLER | | PLASTIC INDUSTRY PRIMARY PROCESSING | | KUNSTSTOFFINDUSTRIE ERSTE AKTIONEN |
| | * Yoğun İç Karıştırıcılar Harmanlayıcı Kesintisiz Karıştırıcı | | * Intensive Internal Mixers Batch Mixers Continuous Mixers | | * Intensive interne Mixer Mixer Kontinuierlicher Mischer |
| | PLASTİK ENDÜSTRİSİ İKİNCİL İŞLEMLER | | PLASTIC INDUSTRY SECONDARY PROCESSING | | KUNSTSTOFFINDUSTRIE SEKUNDÄRE PROZESSE |
| | * Hacim Kalıpcıları * Kaplama * Tabaka * Boru * Ön Plastikleştirme * Rot * Saç, Plaka * Borular | | * Blow Molders * Coating * Film * Pipe * Pre-Plasticizers * Rods * Sheet * Tubing | | * Volumenformer * Glasur * Schicht * Rohr * Vorplastifizieren * Auswuchten * Haare, Platte * Rohre |
| | POMPALAR | | PUMPS | | PUMPEN |
| | * Santrifüj * Oranlama * Pistonlu Tek Tesirli - 3 veya daha fazla Silindir Çift Tesirli - 2 veya daha fazla Silindir * Döner Şanzuman Tipi Lob Pervane | | * Centrifugal * Proportioning * Reciprocating Single Acting - 3 or more cylinders Double Acting - 2 or more cylinders * Rotary Gear Type Lobe Vane | | * Zentrifuge * Bewertung * Kolben Einfachwirkend - 3 oder mehr Zylinder Doppeltwirkend - 2 oder mehr Zylinder * rotierend Übertragungsart Lob Propeller |
| | KAUÇUK - LASTİK ENDÜSTRİSİ | | RUBBER INDUSTRY | | KAUTSCHUK - REIFENINDUSTRIE |
| | * Yoğun İç Karıştırıcılar Harmanlayıcılar Kesintisiz Karıştırıcılar * Karıştırma İşlemi 2 Yumuşak Merdane 1 veya 2 Oluklu Merdane * Toplu İşleme - 2 Yumuşak Silindir * Kırıcı ve Isıtıcı - 2 Merdane, 1 Oluklu Merdane * Kırıcı - 2 Oluklu Merdane * Tutma, Besleme, Karıştırma İşlemi - 2 Merdane * Artıcı - 2 Merdane * Kalenderler | | * Intensive Internal Mixers Batch Mixers Continuous Mixers * Mixing Mill 2 Smooth Rolls 1 or 2 corrugated Rolls * Batch Drop Mill - 2 Smooth Rolls * Cracker Warmer-2 Rolls, 1 Corr. Roll * Cracker - 2 Corrugated Rolls * Holding, Feed and Blend Mill - 2 Rolls * Refiner - 2 Rolls * Calenders | | * Intensive interne Mixer Mixer Kontinuierliche Mischer * Mischprozess 2 weiche Rollen 1 oder 2 gerillte Rollen * Stapelverarbeitung - 2 weiche Walzen * Brecher und Heizung - 2 Walzen, 1 Wellwalze * Brecher - 2 Wellwalzen * Halte-, Fütterungs-, Mischprozess - 2 Rollen * Refiner - 2 Walzen * Kalendrieren |
| | ATIK SU BOŞALTIM EKİPMANLARI | | SEWAGE DISPOSAL EQUIPMENT | | AUSRÜSTUNG FÜR ABWASSERENTLEERUNG |
| | * Çubuklu Elek * Kimyasal Besleme Üniteleri * Su Boşaltma Eleği * Köpük Kesici * Yavaş veya Hızlı Karıştırıcılar * Tortu Toplayıcı * Koyulaştırıcı * Vakumlu Filtre | | * Bar Screens * Chemical Feeders * Dewatering Screen * Scum Breaker * Slow or Rapid Mixers * Sludge Collector * Thickener * Vacuum Filter | | * Stick Sieb * Chemikalienzufuhrreinheiten * Wasserablaufsieb * Schaumschneider * Langsame oder schnelle Mixer * Sedimentsammler * Verdickungsmittel * Vakuumfilter |
| | KOMPAKTÖRLER | | COMPACTORS | | VERDICHTER |
| | ÇEKİRMELER - YAVAŞ VE KUVVETLİ | | PULLERS - BARGE HAUL | | AUFZIEHVORRICHTUNGEN - LANGSAM UND STARK |

| TR | UYGULAMA ALANLARI | EN | APPLICATION AREAS | DE | EINSATZBEREICHE |
|-------------|--|--------------|---|-------------|--|
| UYGULAMALAR | | APPLICATIONS | | ANWENDUNGEN | |
| | <u>ŞEKER ENDÜSTRİSİ</u> | | <u>SUGAR INDUSTRY</u> | | <u>ZUCKERINDUSTRIE</u> |
| | * Pancar Dilimleme Aleti * Kamış Bıçakları * Kıрма Makineleri | | * Beet Slicer * Cane Knives * Crushers | | * Rübenschneider * Schilfklingen * Zerkleinerungsmaschinen |
| | <u>TEKSTİL ENDÜSTRİSİ</u> | | <u>TEXTILE INDUSTRY</u> | | <u>TEXTILINDUSTRIE</u> |
| | * Harman Ölçer * Kalenderler * Şablonlar * Kuru Konserveler * Boyama Makinesi * Dokuma Tezgahları * Çamaşır Sıkma Makinesi - Merdane * Kaplama * Doldurma Makinesi * Haşıl Makinesi * Halat Yıkama Makinesi * Eğirme Makinesi * Germe Kurutma Makineleri * Yıkama Makineleri * Masura Sarıcısı | | * Batcher * Calenders * Cards * Dry Cans * Dyeing Machinery * Looms * Mangle * Napper * Pads * Sishers * Soapers * Spinners * Tenter Frames * Washers * Winders | | * Dreschmesser * Kalendrieren * Vorlagen * Trockenkonserven * Färbemaschine * Webstühle * Waschmaschine - Roller * Glasur * Abfüllmaschine * Kalibriermaschine * Seilwaschmaschine * Spinnmaschine * Stretch-Trocknungsmaschinen * Waschmaschinen * Spuler |
| | <u>DAMPERLİ ARAÇLAR</u> | | <u>CAR DUMPERS</u> | | <u>DIPPER FAHRZEUGE</u> |
| | <u>ÇEKİCİ ARAÇLAR</u> | | <u>CAR PULLERS</u> | | <u>TURMFAHRZEUGE</u> |
| | <u>ARITICILAR</u> | | <u>CLARIFIERS</u> | | <u>REINIGUNGSMASCHINEN</u> |
| | <u>KONSERVE DOLUM MAKİNELERİ</u> | | <u>CAN FILLING MACHINES</u> | | <u>DOSENFÜLLMASCHINEN</u> |

REDÜKTÖR TİPİ / GEAR TYPE / GETRIEBETYP

Ayak montajlı
Foot mounted
Fußbefestigung

PSH 2040...PSH 2125 = **İki kademeli, Helisel Sonsuz Dişlili redüktör**
Double reduction, helical-worm gearboxes
Zweistufiges, Stirrad-Schneckengetriebe

PSH 3050...PSH 3125 = **Üç kademeli, Helisel Sonsuz Dişlili redüktör**
Triple reduction, helical-worm gearboxes
Dreistufiges, Stirrad-Schneckengetriebe

Gövdeden montajlı
Case mounted
Gehäuse Flanschmontage

PSH 2040...PSH 2125 = **İki kademeli, Helisel Sonsuz Dişlili redüktör**
Double reduction, helical-worm gearboxes
Zweistufiges, Stirrad-Schneckengetriebe

PSH 3050...PSH 3125 = **Üç kademeli, Helisel Sonsuz Dişlili redüktör**
Triple reduction, helical-worm gearboxes
Dreistufiges, Stirrad-Schneckengetriebe

Gövdeden montajlı, B5 flanşlı
Case mounted, Flange B5
Gehäuse Flanschmontage, Flansch B5

PSH 2040...PSH 2125 = **İki kademeli, Helisel Sonsuz Dişlili redüktör**
Double reduction, helical-worm gearboxes
Zweistufiges, Stirrad-Schneckengetriebe

PSH 3050...PSH 3125 = **Üç kademeli, Helisel Sonsuz Dişlili redüktör**
Triple reduction, helical-worm gearboxes
Dreistufiges, Stirrad-Schneckengetriebe

REDÜKTÖR DİZAYNI / GEAR DESIGN / GETRIEBE - KURZZEICHEN

TMA = **Ayak montajlı, Tek mil çıkışlı**
Foot mounted, Solid shaft
Fußbefestigung, einseitige Abtriebswelle

ÇMA = **Ayak montajlı, Çift mil çıkışlı,**
Foot mounted, Solid shaft on both sides
Fußbefestigung, doppelseitige Abtriebswelle

DG/B14 = **Gövdeden montajlı, Delik milli, B14 flanşlı**
Case mounted, Hollow shaft, Flange B14
Gehäuse Flanschmontage, Hohlwelle, B14-Flansch

DG/B5 = **Gövdeden montajlı, Delik milli, B5 flanşlı**
Case mounted, Hollow shaft, Flange B5
Gehäuse Flanschmontage, Hohlwelle, B5-Flansch

DG/KS-B14 = **Gövdeden montajlı, Delik milli, Konik sıkırtmalı, B14 flanşlı**
Case mounted, Hollow shaft, Shrink disk connector, Flange B14
Gehäuse Flanschmontage, Hohlwelle, Schrumpfscheibe, B14-Flansch

DG/TK = **Gövdeden montajlı, Delik milli, Tork kolu**
Case mounted, Hollow shaft, Torque arm
Gehäuse Flanschmontage, Hohlwelle, Drehmomentstütze

DG/Ç = **Gövdeden montajlı, Delik milli, Çektirmeli**
Case mounted, Hollow shaft, Fixing element
Gehäuse Flanschmontage, Hohlwelle, mit Aufziehvorrichtung

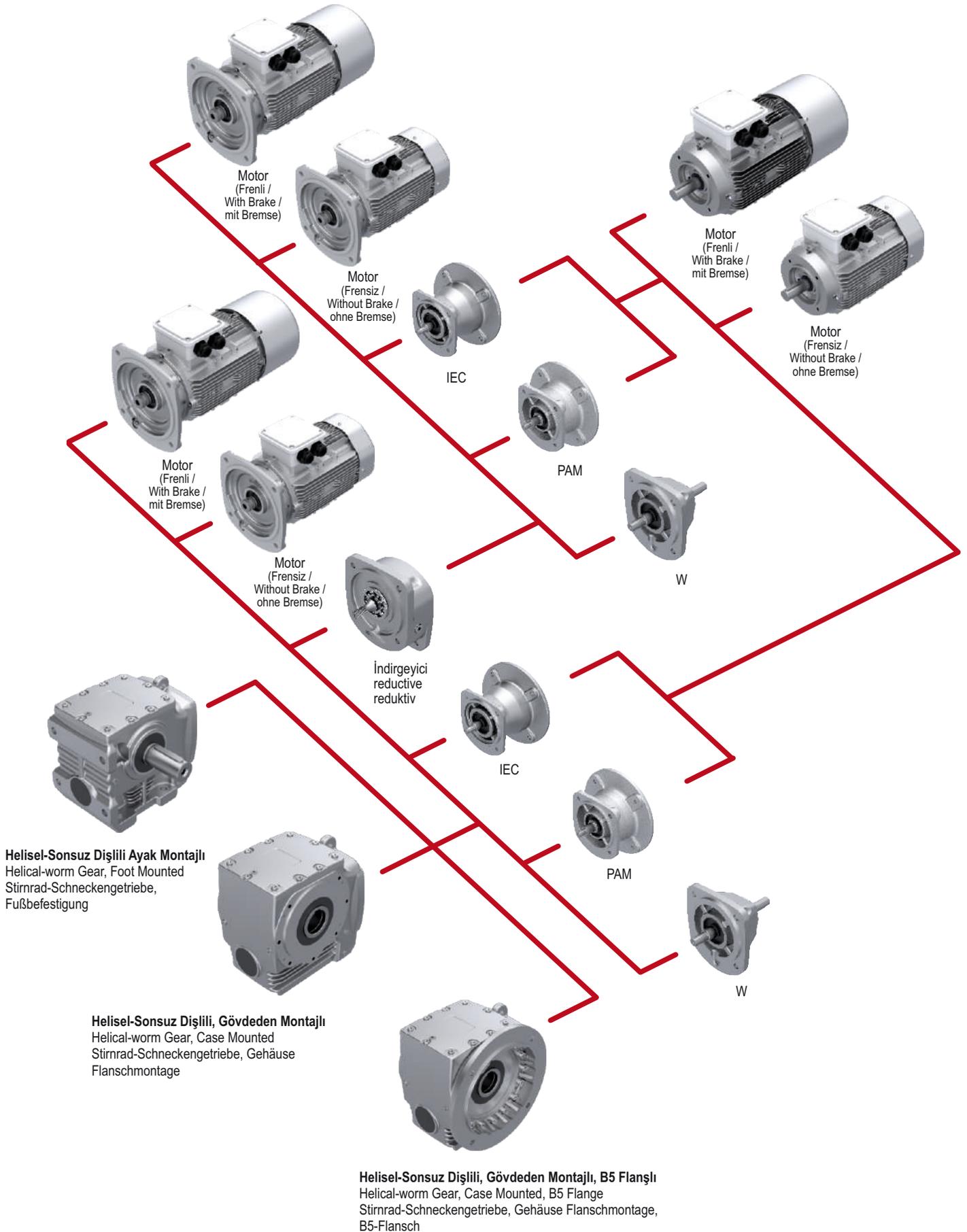
DG/Ç/KK = **Gövdeden montajlı, Delik milli, Çektirmeli, Koruma Kapaklı**
Case mounted, Hollow shaft, Fixing element with cover
Gehäuse Flanschmontage, Hohlwelle, mit Aufziehvorrichtung, Schutzkappe

DG/KS/KK = **Gövdeden montajlı, Delik milli, Konik sıkırtmalı, Koruma Kapaklı**
Case mounted, Hollow shaft, Shrink disk connector with cover
Gehäuse Flanschmontage, Hohlwelle, Schrumpfscheibe, Schutzkappe

TMG/B5 = **Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı**
Case mounted, Solid shaft, Flange B5
Gehäuse Flanschmontage, einseitige Abtriebswelle, B5-Flansch

TR KULLANILAN TERİMLER EN NOMENCLATURE DE BEGRIFFE

| Giriş Aksamları Input Options Eingabeoptionen | Motor Motor Motor | Kutup Numarası Number of Poles Anzahl der Pole | Motor Seçenekleri Motor Options Motoroptionen |
|---|--|---|---|
| <p>W = Motorsuz girişli redüktörler için aksam</p> <p>With free input shaft</p> <p>Bei Getrieben mit freier Antriebswelle</p> | <p>Üç fazlı motor Motor boyutu 63 - 315</p> <p>Three phase motor Motor size 63 - 315</p> <p>Drehstrommotor Motorgröße 63 - 315</p> | <p>2 = 2 Kutuplu 2 Poles 2 Pole</p> <p>4 = 4 Kutuplu 4 Poles 4 Pole</p> <p>6 = 6 Kutuplu 6 Poles 6 Pole</p> <p>4 - 2 = 1:2 oranında hız değiştirici dahlander bağlantısı Pole changing 1:2 Dahlander connection Geschwindigkeitswechsler DAHLANDER</p> <p>8 - 2 = 1:4 oranında hız değiştirici ayrılmış sarmal dizilişli Pole changing 1:4 Separate windings Geschwindigkeitswechsler- getrennte spiralförmige Anordnung</p> <p>Diğer kutup kombinasyonları istendiğinde karşılanacaktır</p> <p>Other pole combinations on request</p> <p>Andere Polkombinationen sind auf Anfrage erhältlich</p> | <p>BRE = Frenli With brake Mit Bremse</p> <p>EF = Tek fazlı, fanlı Single phase, Separate fan Einphasig, mit Lüfter</p> <p>ZF = Çift fazlı, fanlı Double phase, Separate fan, Zweiphasig, mit Lüfter</p> <p>DF = Üç fazlı, fanlı Separate fan, three phase Dreiphasig, mit Lüfter</p> <p>IG = Enkoderli With encoder Mit encoder</p> <p>KK/FK = Debriyajlı With clutches Mit Kupplung</p> <p>SR = Toza karşı korumalı fren Brake dust - proof Staubgeschützte Bremse</p> <p>TF = Termistörlü Thermistor Mit Thermistor</p> <p>RG = Korozyon korumalı frenli Brake corrosion protected Mit Korrosionsschutzbremse</p> <p>WU = Yumuşak kalkışlı rotor Soft start rotor Sanftanlaufrotor</p> <p>RLS = Geri dönmeye karşı kilitli Backstop Rücklaufsperr</p> <p>TW = Isıya duyarlı Thermal trip Wärmeempfindliche</p> <p>HL = Manuel frenli motor Brake motor with hand release Motor mit Handbremse</p> <p>F = Extra Fan Auxiliary Fan Fremdlüfter</p> |
| <p>IEC = DIN 42677'ye göre standart motorlar için aksamlar</p> <p>For assembly with IEC standard motors acc. to DIN 42677</p> <p>Bei Getrieben mit IEC-Anbau gilt die Normleistung der jeweiligen Baugröße nach DIN 42677,</p> | <p>EExell = Patlamaya karşı güvenliği artırılmış üç fazlı motor</p> <p>Explosion proof three phase motor increased safety</p> <p>Drehstrommotor mit erhöhter Explosionssicherheit</p> | | |
| <p>PAM = DIN 42677'ye göre standart motorlar için aksamlar</p> <p>For assembly with PAM standard motors acc. to DIN 42677</p> <p>Bei Getrieben mit PAM-Anbau gilt die Normleistung der jeweiligen Baugröße nach DIN 42677,</p> | | | |
| <p>T = Turbo kaplin</p> <p>Turbo coupling</p> <p>Turbokupplung</p> | | | |



TR MEVCUT DİZAYNLARA GENEL BAKIŞ

EN OVERVIEW TO AVAILABLE DESIGNS

DE ÜBERSICHT AKTUELLE DESIGNS

| Kısaltmalar Abbrev. Abkürzungen | Anlamı Meaning Bedeutung | Helisel Sonsuz Dişlilü Redüktör Helical Worm Gear Units Stirrad-Schneckengetriebe |
|---------------------------------------|---|---|
| DG/B5 | Gövdeden montajlı, Delik milli, B5 flanşlı Case mounted, Hollow shaft, Flange B5 Gehäuse Flanschmontage, Hohlwelle, B5-Flansch | ✓ |
| DG/B14 | Gövdeden montajlı, Delik milli, B14 flanşlı Case mounted, Hollow shaft, Flange B14 Gehäuse Flanschmontage, Hohlwelle, B14-Flansch | ✓ |
| DG/TK | Gövdeden montajlı, Delik milli, Tork kolları Case mounted, Hollow shaft, Torque arm Gehäuse Flanschmontage, Hohlwelle, Drehmomentstütze | ✓ |
| Ç | Çektirme Kiti Puller Kit Befestigungsbausatz | ✓ |
| KK | Koruma kapaklı Cover as a touch guard Mit Schutzdeckel | ✓ |
| IEC | IEC adaptörü Adapter for mounting B5 IEC standard motors IEC-Adapter | ✓ |
| ÇMA | Ayak montajlı, Çift mil çıkışlı Foot mounted, Solid shaft on both sides Fußbefestigung, doppelseitige Abtriebswelle | ✓ |
| B | Kilit Integrated backstop Rücklaufsperre | ✓ |
| WB | W kilidi Backstop in W adapter W-Sperre | ✓ |
| KS | Konik sıkırtma Hollow shaft with shrink disc Schrumpfscheibe | ✓ |
| TMG/B5 | Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı Case mounted, Solid shaft, Flange B5 Gehäuse Flanschmontage, einseitige Abtriebswelle, B5-Flansch | ✓ |
| GR | Güçlendirilmiş rulman Reinforced bearing Verstärktes Lager | ✓ |
| TMA | Ayak montajlı, Tek mil çıkışlı Foot mounted, Solid shaft Fußbefestigung, einseitige Abtriebswelle | ✓ |
| W | W kovani Free input shaft W-Adapter | ✓ |
| PAM | PAM adaptörü PAM Adapter PAM Adapter | ✓ |

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EN

OUR PRODUCTS

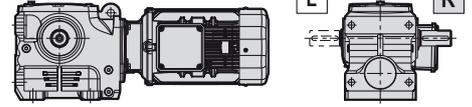
DE

UNSERE PRODUKTE

PSH 2080...TMA - 80S/4A R**Tek mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, Motorlu redüktör**

Solid shaft, Foot mounted, Helical worm gear unit, With motor

Einseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...TMA - W** R**Tek mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, W kovanlı redüktör**

Solid shaft, Foot mounted, Helical worm gear unit, With W adapter

Einseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...TMA - IEC 80** R**Tek mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, IEC Adaptörlü redüktör**

Solid shaft, Foot mounted, Helical worm gear unit, With IEC adapter

Einseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...TMA - PAM 80** R**Tek mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, PAM Adaptörlü redüktör**

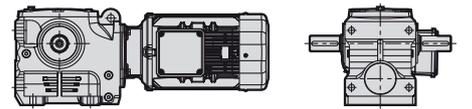
Solid shaft, Foot mounted, Helical worm gear unit, With PAM adapter

Einseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit PAM adapter

**PSH 2080...ÇMA - 80S/4A****Çift mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, Motorlu redüktör**

Solid shaft on both sides, Foot mounted, Helical worm gear unit, With motor

Doppelseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...ÇMA - W****Çift mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, W kovanlı redüktör**

Solid shaft on both sides, Foot mounted, Helical worm gear unit, With W adapter

Doppelseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...ÇMA - IEC 80****Çift mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, IEC adaptörlü redüktör**

Solid shaft on both sides, Foot mounted, Helical worm gear unit, With IEC adapter

Doppelseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...ÇMA - PAM 80****Çift mil çıkışlı, Ayak montajlı, Helisel sonsuz dişlili, PAM adaptörlü redüktör**

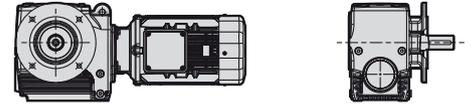
Solid shaft on both sides, Foot mounted, Helical worm gear unit, With PAM adapter

Doppelseitige Abtriebswelle, Fußbefestigung, Stirnrad-Schneckengetriebe, Mit PAM adapter

**PSH 2080...TMG/B5 - 80S/4A****Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı, Helisel sonsuz dişlili, Motorlu redüktör**

Solid shaft, case mounted, Flange B5, Helical worm gear unit, With motor

Einseitige Abtriebswelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...TMG/B5 - W****Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, W kovanlı redüktör**

Solid shaft, case mounted, Flange B5, Helical worm gear unit, With W adapter

Einseitige Abtriebswelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...TMG/B5 - IEC 80****Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, IEC Adaptörlü Redüktör**

Solid shaft, case mounted, Flange B5, Helical worm gear unit, With IEC adapter

Einseitige Abtriebswelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...TMG/B5 - PAM 80****Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, PAM Adaptörlü Redüktör**

Solid shaft, case mounted, Flange B5, Helical worm gear unit, With PAM adapter

Einseitige Abtriebswelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit PAM adapter



Not : L ve R çıkış yönünü göstermektedir. / Note: L and R shows that output direction. / Hinweis: L und R geben die Ausgangsrichtung an.

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EN

OUR PRODUCTS

DE

UNSERE PRODUKTE

PSH 2080...DG/TK - 80S/4A **R**

Delik milli, Gövdeden montajlı, Tork kollu, Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Torque arm, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, Drehmomentstütze, Stirnrad-Schneckengetriebe, Mit motor

PSH 2080...DG/TK - W **R**

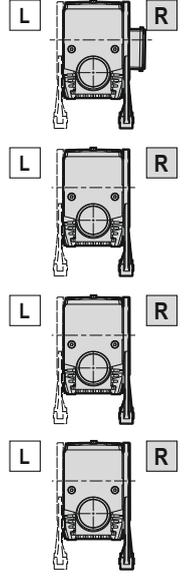
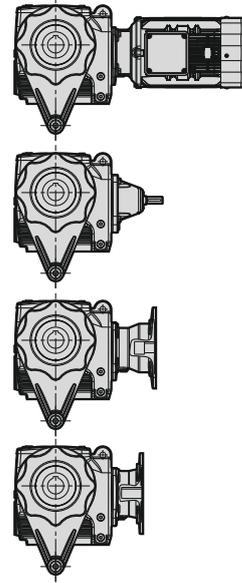
Delik milli, Gövdeden montajlı, Tork kollu Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Torque arm, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, Drehmomentstütze, Stirnrad-Schneckengetriebe, Mit W-Adapter

PSH 2080...DG/TK - IEC 80 **R**

Delik milli, Gövdeden montajlı, Tork kollu Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Torque arm, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, Drehmomentstütze, Stirnrad-Schneckengetriebe, Mit IEC-adapter

PSH 2080...DG/TK - PAM 80 **R**

Delik milli, Gövdeden montajlı, Tork kollu Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Torque arm, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, Drehmomentstütze, Stirnrad-Schneckengetriebe, Mit PAM adapter



PSH 2080...DG/KS - 80S/4A **R**

Delik milli, Gövdeden montajlı, Konik sıkırtmalı Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Shrink disc, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, Schrumpfscheibe, Stirnrad-Schneckengetriebe, Mit motor

PSH 2080...DG/KS - W **R**

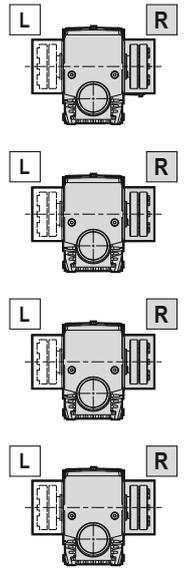
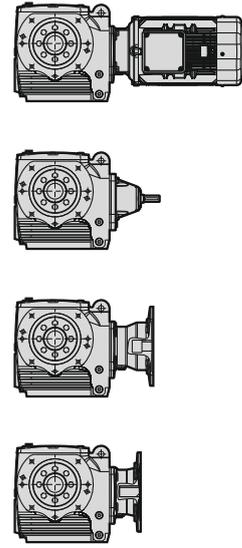
Delik milli, Gövdeden montajlı, Konik sıkırtmalı Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Shrink disc, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, Schrumpfscheibe, Stirnrad-Schneckengetriebe, Mit W-Adapter

PSH 2080...DG/KS - IEC 80 **R**

Delik milli, Gövdeden montajlı, Konik sıkırtmalı Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Shrink disc, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, Schrumpfscheibe, Stirnrad-Schneckengetriebe, Mit IEC-adapter

PSH 2080...DG/KS - PAM 80 **R**

Delik milli, Gövdeden montajlı, Konik sıkırtmalı Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Shrink disc, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, Schrumpfscheibe, Stirnrad-Schneckengetriebe, Mit PAM adapter



PSH 2080...DG/Ç - 80S/4A **R**

Delik milli, Gövdeden montajlı, Çektirme elementli Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Fixing element, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Stirnrad-Schneckengetriebe, Mit motor

PSH 2080...DG/Ç - W **R**

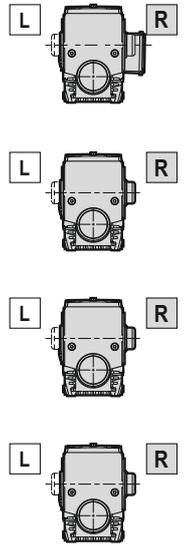
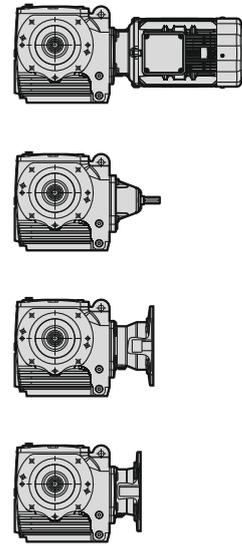
Delik milli, Gövdeden montajlı, Çektirme elementli Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Fixing element, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Stirnrad-Schneckengetriebe, Mit W-Adapter

PSH 2080...DG/Ç - IEC 80 **R**

Delik milli, Gövdeden montajlı, Çektirme elementli Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Fixing element, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Stirnrad-Schneckengetriebe, Mit IEC-adapter

PSH 2080...DG/Ç - PAM 80 **R**

Delik milli, Gövdeden montajlı, Çektirme elementli Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Fixing element, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Stirnrad-Schneckengetriebe, Mit PAM adapter



Not : L ve R çıkış yönünü göstermektedir. / Note: L and R shows that output direction. / Hinweis: L und R geben die Ausgangsrichtung an.

TR

ÜRÜNLERİMİZ

EN

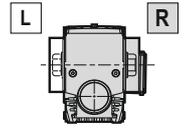
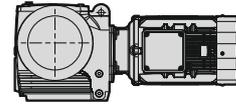
OUR PRODUCTS

DE

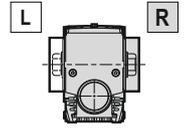
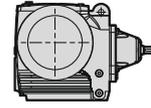
UNSERE PRODUKTE

PSH 2080...DG/Ç-KK - 80S/4A R

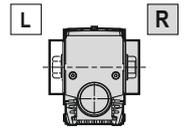
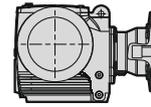
Delik millî, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Fixing element and cover, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Mit Schutzdeckel, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...DG/Ç-KK - W** R

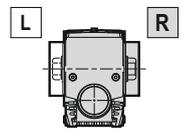
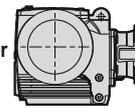
Delik millî, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Fixing element and cover, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Mit Schutzdeckel, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...DG/Ç-KK - IEC 80** R

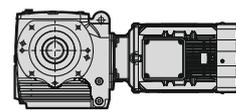
Delik millî, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Fixing element and cover, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Mit Schutzdeckel, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...DG/Ç-KK - PAM 80** R

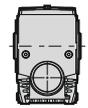
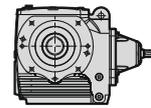
Delik millî, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Fixing element and cover, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, Befestigungsbausatz, Mit Schutzdeckel, Stirnrad-Schneckengetriebe, Mit PAM adapter

**PSH 2080...DG/B14 - 80S/4A**

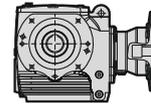
Delik millî, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Flange B14, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, B14 Flansch, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...DG/B14 - W**

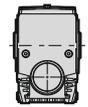
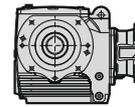
Delik millî, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Flange B14, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, B14 Flansch, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...DG/B14 - IEC 80**

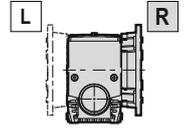
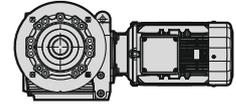
Delik millî, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Flange B14, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, B14 Flansch, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...DG/B14 - PAM 80**

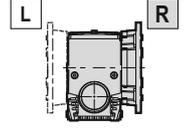
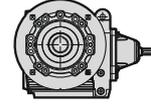
Delik millî, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Flange B14, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, B14 Flansch, Stirnrad-Schneckengetriebe, Mit PAM adapter

**PSH 2080...DG/B5 - 80S/4A** R

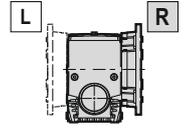
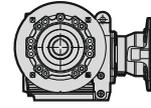
Delik millî, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişli, Motorlu redüktör
Hollow shaft, Case mounted, Flange B5, Helical worm gear unit, With motor
Hohlwelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit motor

**PSH 2080...DG/B5 - W** R

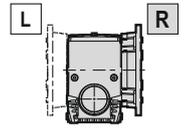
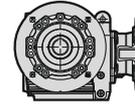
Delik millî, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişli, W kovanlı redüktör
Hollow shaft, Case mounted, Flange B5, Helical worm gear unit, With W adapter
Hohlwelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit W-Adapter

**PSH 2080...DG/B5 - IEC 80** R

Delik millî, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişli, IEC adaptörlü redüktör
Hollow shaft, Case mounted, Flange B5, Helical worm gear unit, With IEC adapter
Hohlwelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit IEC-adapter

**PSH 2080...DG/B5 - PAM 80** R

Delik millî, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişli, PAM adaptörlü redüktör
Hollow shaft, Case mounted, Flange B5, Helical worm gear unit, With PAM adapter
Hohlwelle, Gehäuse Flanschmontage, B5 Flansch, Stirnrad-Schneckengetriebe, Mit PAM adapter



Not : L ve R çıkış yönünü göstermektedir. / Note: L and R shows that output direction. / Hinweis: L und R geben die Ausgangsrichtung an.

TR REDÜKTÖR SEÇİM FORMU

1- REDÜKTÖR

Kullanılacak Sektör:

Uygulama Yeri:

Günlük Çalışma Saati:

<4 [] 4-8 [] 8-16 [] >16 []

Saatteki Dur-Kalk Sayısı:

0-50 [] 50-100 [] 100-200 [] 200-300 []
300-500 [] 500-700 [] 700-1000 [] >1000 []

Giriş Seçeneği: Motorlu [] Motorsuz []

Talep Edilen Motor Gücü:kW

Talep Edilen Motor Devri:d/dak

Talep Edilen Çıkış Devri:d/dak

2 - GİRİŞ - ÇIKIŞ

Tahrik Tipi:

AC Motor [] AC Motor + Invertör [] Servo Motor []
Hidro Motor [] Serbest Giriş Mili [] Diğer []

Motor Bağlantı Flanşı (Elektirik Motorlu ise):

Akuple [] IEC B5 [] PAM B5 []
PAM B14 [] NEMA []

Giriş Mili Özelliği (Serbest Giriş Millisi ise):

Kamalı [] Diğer.....

Giriş Mili Tahrik Tipi (Serbest Giriş Millisi ise):

Elastik Kaplin [] Hidrolik Kaplin [] Küçük Hızlarda Zincir Dişli [] Düz Dişli []
Triger Kayış [] V Kayış [] Gergirme Makaralı Kayış []

Giriş Mili Yük Durumu (Serbest Giriş Millisi ise):

Radyal yük.....N
Eksenel Yük.....N / Çeki [] Bası []

Çıkış Mili Özelliği (Serbest Giriş Millisi ise):

Mil Çıkışlı [] Delik Millisi [] Konik Sıkırtma Şaftlı []
Diğer.....

Çıkış Mili Tahrik Tipi:

Direkt [] Elastik Kaplin [] Hidrolik Kaplin [] Küçük Hızlarda Zincir Dişli []
Düz Dişli [] Triger Kayış [] V Kayış [] Gerdirme Makaralı Kayış []

Çıkış Mili Yük Durumu :

Radyal yük.....N
Eksenel Yük.....N / Çeki [] Bası []

3 - MONTAJ

Montaj Pozisyonu:

M1 [] M2 [] M3 [] M4 [] M5 [] M6 []

Kilit Durumu:

Var [] Yok []

Deniz Seviyesinden Yükseklik:

0-1000 [] 1000-2000 [] 2000-3000 [] 3000-4000 [] 4000-5000 []

Ortam Durumu:

Açık (1,25 m/sn) [] Kapalı (4 m/sn) []

Ortam Şartları:

Normal [] Tozlu [] Nemli [] Kuru []

Diğer.....

Ortam Sıcaklığı:.....°C

4 - MOTOR

Elektiriksel Değer:

Voltaj.....V

Frekans.....Hz

Koruma Sınıfı:

IP55 [] IP65 [] Exproof []

Diğer IP.....

Terminal Kutusu Yönü:

1 [] 2 [] 3 [] 4 []

Termistör:

Var [] Yok []

Fren Durumu:

Var [] Yok []

Atex:

2G [] 2D [] Yok []

Diğer.....

Diğer Notlar:

.....
.....
.....
.....
.....
.....
.....
.....

Lütfen doğru redüktör seçimi yapabilmek için gerekli bilgileri doldurunuz!

EN GEARBOX SELECTION FORM

1- GEAR UNIT

Sector for which will be used:

Application area:.....

Daily working hour: :

<4 [] 4-8 [] 8-16 [] >16 []

Revolution per hours:

0-50 [] 50-100 [] 100-200 [] 200-300 []
300-500 [] 500-700 [] 700-1000 [] >1000 []

Input option: With motor [] Without motor []

Requested Motor Power:.....kW

Requested Motor Rotation:.....min⁻¹

Requested Output Rotation:.....min⁻¹

2 - INPUT - OUTPUT

Drive type:

AC Motor [] AC Motor + Invertor [] Servo Motor []
Hydromotor [] Free Input Shaft [] Diđer []

Motor Connection Flange (With Electric Motor):

Direct [] IEC B5 [] PAM B5 []
PAM B14 [] NEMA []

Property of Input Shaft (with free input shaft):

With Key [] Other.....

Driving type of Input Shaft(with free input shaft):

Elastic Coupling [] Hydraulic Coupling [] For Chain Drive With Low Speed []
For Spur Gear [] For Trigger Belt [] For V belt [] Flat Belt With Spanning Pulley []

Input Shaft Load case (with free input shaft):

Radial Load.....N
Axial Load.....N / Draw [] Impression []

Property of Output Shaft (with free input shaft):

Solid Shaft [] Hollow shaft [] Shaft for Shrink Disc []
Other.....

Output Shaft Drive type:

Direct [] Elastic Coupling [] Hydraulic Coupling [] Chain Drive With Low Speed []
Spur Gear [] Trigger Belt [] V Belt [] Flat Belt With Spanning Pulley []

Output Shaft Load case:

Radial Load.....N
Axial Load.....N / Draw [] Impression []

3 - MOUNTING

Mounting Position:

M1 [] M2 [] M3 [] M4 [] M5 [] M6 []

Backstop Situation:

Yes [] No []

Altitude above sea level:

0-1000 [] 1000-2000 [] 2000-3000 [] 3000-4000 [] 4000-5000 []

Ambient Situation:

Open (1,25 m/sn) [] Close (4 m/sn) []

Ambient Conditions:

Normal [] Dusty [] Humid [] Dry []

Other.....

Ambient Temperature :°C

4 - MOTOR

Elektrical Value:

Voltage.....V
Frequency.....Hz

Protection Class :

IP55 [] IP65 [] Exproof []
Other IP.....

Terminal Box Position:

1 [] 2 [] 3 [] 4 []

Thermistor :

Yes [] No []

Brake Situation:

Yes [] No []

Atex:

2G [] 2D [] Yok []
Other.....

Other Notes:

.....
.....
.....
.....
.....
.....
.....
.....

Please give required informations for selecting correct reducer!

DE FORMULAR FÜR GETRIEBEAUSWAHL

1- GETRIEBE

Sektor :

Anwendungsbereich:.....

Betriebsstunden/Tag:

<4 [] 4-8 [] 8-16 [] >16 []

Anlauf pro Stunde:

0-50 [] 50-100 [] 100-200 [] 200-300 []
300-500 [] 500-700 [] 700-1000 [] >1000 []

Antriebsoption: mit Motor [] ohne Motor []

Geforderte Motorleistung:.....kW

Angeforderte Motordrehzahl:.....min⁻¹

Angeforderter Abtriebsdrehzahl:.....min⁻¹

2 - ANTRIEB - ABTRIEB

Antriebstyp:

Wechselstrommotor [] Wechselstrommotor + Wechselrichter [] Servomotor []
Hydromotor [] Freie Antriebswelle [] Sonstiges []

Motoranschlussflansch (bei Elektromotor):

Gekoppelt [] IEC B5 [] PAM B5 []
PAM B14 [] NEMA []

Antriebswelleneigenschaft (bei freier Antriebswelle):

mit Passfeder [] Sonstiges.....

Antriebsart der Antriebswelle (bei freier Antriebswelle):

Elastische Kupplung [] Hydraulische Kupplung [] Kettenrad bei kleinen Drehzahlen []
Stirnrad [] Zahnriemen [] Keilriemen [] Spannrollenriemen []

Belastungsart der Antriebswelle (bei freier Antriebswelle):

Radiale BelastungN
Axiale Belastung.....N / Zug [] Druck []

Abtriebswelleneigenschaft (bei freier Antriebswelle):

Vollwelle [] Hohlwelle [] Welle mit Schrumpfscheibe []
Sonstiges.....

Antriebsart der Abtriebswelle:

Direkt [] Elastische Kupplung [] Hydraulische Kupplung [] Stirnrad [] Keilriemen []
Kettenrad bei kleinen Drehzahlen [] Zahnriemen [] Spannrollenriemen []

Belastungsart der Abtriebswelle:

Radiale BelastungN
Axiale Belastung.....N / Zug [] Druck []

3 - MONTAGE

Einbaulage:

M1 [] M2 [] M3 [] M4 [] M5 [] M6 []

Rücklaufsperre:

Ja [] Nein []

Höhe über dem Meeresspiegel:

0-1000 [] 1000-2000 [] 2000-3000 [] 3000-4000 [] 4000-5000 []

Umgebungsbedingungen:

Ein (1,25 m/sn) [] Aus (4 m/sn) []

Umweltbedingungen:

Normal [] staubig [] feucht [] trocken []

Sonstiges.....

Umgebungstemperatur:.....°C

4 - MOTOR

Elektrischer Wert:

Stromspannung.....V

Frequenz.....Hz

Schutzklasse:

IP55 [] IP65 [] Ex-geschützt []

Andere IP.....

Ausrichtung des Klemmenkastens:

1 [] 2 [] 3 [] 4 []

Thermistor:

Ja [] Nein []

Bremse:

Ja [] Nein []

Atex:

2G [] 2D [] Nein []

Sonstiges.....

Andere Notizen:

.....
.....
.....
.....
.....
.....
.....
.....

Bitte geben Sie die notwendigen Informationen an, um das richtige Getriebe auswählen zu können!

TR

SİPARİŞ ÖRNEĞİ

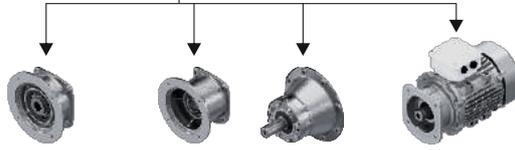
EN

EXAMPLE FOR ORDERING

DE

BEISPIEL BESTELLBESCHREIBUNG

PSH 2100 10.73 DG/KS – PAM 132 - B5 – 132M / 4 BRE – R



| PAM B5 | PAM B14 | IEC | W | AKUPLE |
|--------|---------|-----|-----|--------|
| 63 | 63 | 63 | 109 | |
| 71 | 71 | 71 | 122 | |
| 80 | 80 | 80 | 172 | |
| 90 | 90 | 90 | 213 | |
| 100 | 100 | 100 | | |
| 112 | 112 | 112 | | |
| 132 | 132 | 132 | | |
| 160 | | 160 | | |

93 - 137

İges: Tahvil Oranı
İges: Reduction Ratio
İges: Übersetzung

57 - 92

Standart Ürünler
Available standard products / Standardprodukte

DG/KS: Delik Milli, Konik Sıktırmalı
DG/KS: Hollow Shaft, Shrink Disc Connector
DG/KS: Hohlwelle, Schrumpfscheibe

| | | | | |
|---------|--------|----------|-------|------|
| TMA | ÇMA | 28 - 30 | | |
| DG/B14 | DG/B5 | DG/KS | DG/TK | DG/Ç |
| DG/Ç-KK | TMG/B5 | DG/KS-KK | | |

2
Kademe
Reduction
Übersetzungstufen

2
3

93 - 137

100
Sonsuz dişli merkezi ile çıkış şaftı merkezi arası mesafe. (mm.)
Distance between center of the worm gear and center of output shaft
Abstand zwischen Schneckenradmitte und Abtriebsmitte. (mm)

040 050 063 080
100 125

93 - 137

Çıkış Yönü - L/R: Sol/Sağ
Output Direction - L/R: Left/Right
Abtriebsrichtung - L/R: Links/Rechts

28 - 30

Motor Gövde
Büyüküğü
Case Width
Kistenweite

63 M
71 M
80 M
90 S/L
100 L
112 M
132 S/M
160 M/L

Kutup Sayısı
Number of Poles
Anzahl der Pole

2
4
6
2 - 4
2 - 8

Diğer Kutup kombinasyonları istendiğinde karşılanacaktır.

Other pole combinations on request

Andere Polkombinationen sind auf Anfrage erhältlich.

Motor Aksesuarları
Motor Accessories
Motorzubehör

BRE
RG
SR
HL
TF
TW
WU
EF
ZF
DF
IG
KK/FK
B

24 - 25

Tip: PGR (Helisel - Sonsuz Redüktör) PSH
PGR (Helical - Worm Gearbox) PSH
PGR (Stirnrad-Schneckengetriebe) PSH

TR

MONTAJ POZİSYONLARI

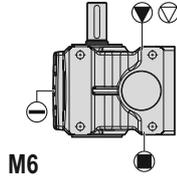
EN

MOUNTING POSITIONS

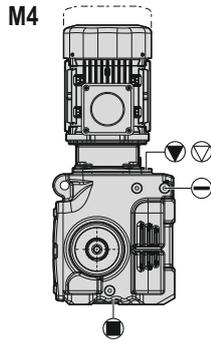
DE

MONTAGEPOSITIONEN

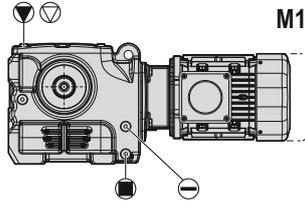
AYAK MONTAJLI
FOOT MOUNTED
FUBBEFESTIGUNG



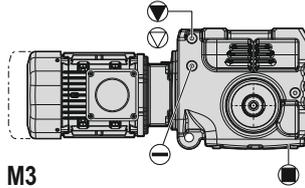
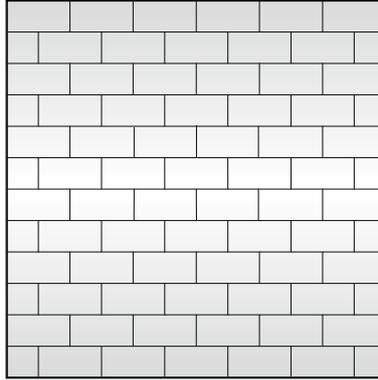
M6



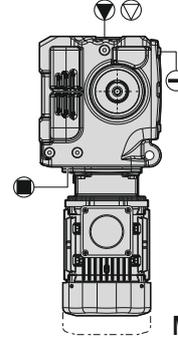
M4



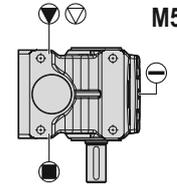
M1



M3

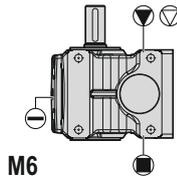


M2

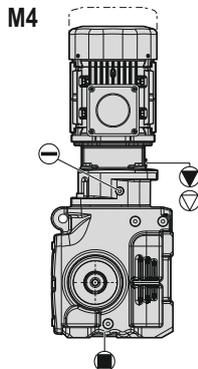


M5

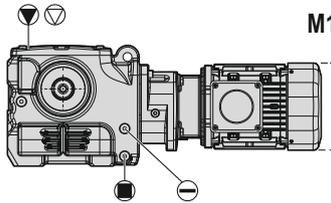
PSH 2050
PSH 2063
PSH 2080
PSH 2100
PSH 2125



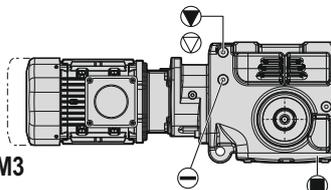
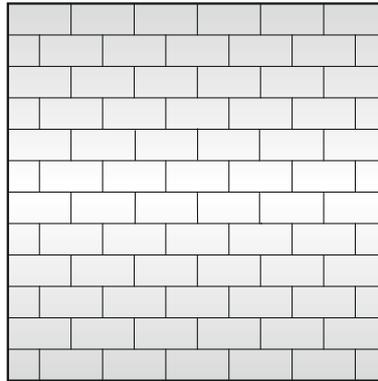
M6



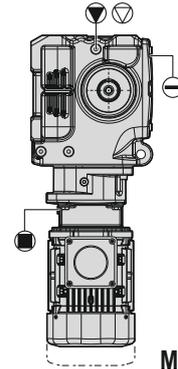
M4



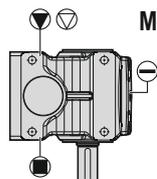
M1



M3



M2



M5

PSH 3050
PSH 3063
PSH 3080
PSH 3100
PSH 3125

▽ Havalandırma tapası /
Vent plug / Entlüftung

● Doldurma tapası /
Filling plug / Einfüllstopfen

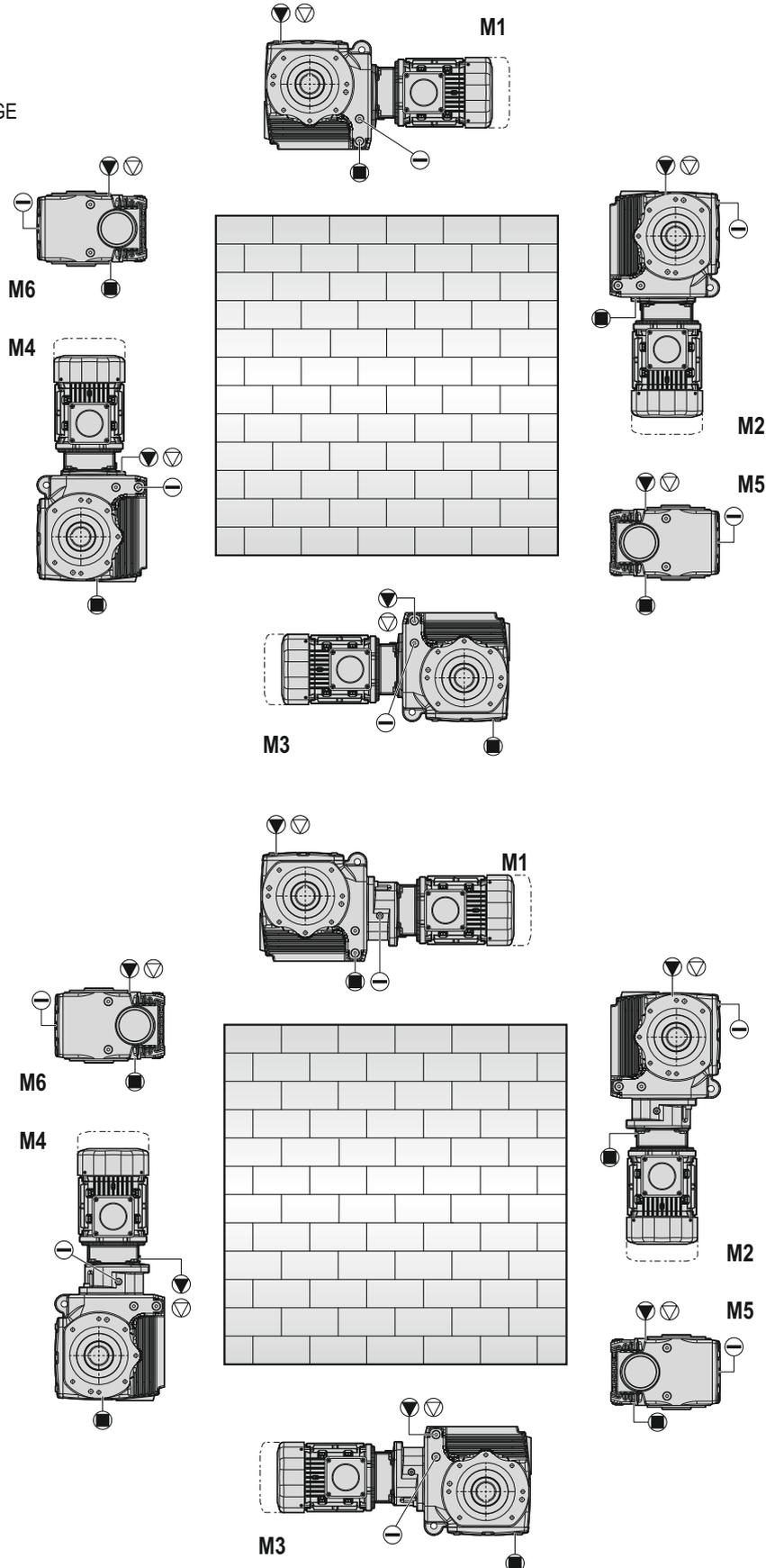
○ Yağ Seviye tapası /
Oil level / Ölstand

■ Boşaltma tapası /
Drain plug / Ölabblass

TR MONTAJ POZİSYONLARI

EN MOUNTING POSITIONS

DE MONTAGEPOSITIONEN

GÖVDEDEN MONTAJLI
CASE MOUNTED
GEHÄUSE FLANSCHMONTAGE


PSH 2050
 PSH 2063
 PSH 2080
 PSH 2100
 PSH 2125

PSH 3050
 PSH 3063
 PSH 3080
 PSH 3100
 PSH 3125

▽ Havalandırma tapası /
 Vent plug / Entlüftung

● Doldurma tapası /
 Filling plug / Einfüllstopfen

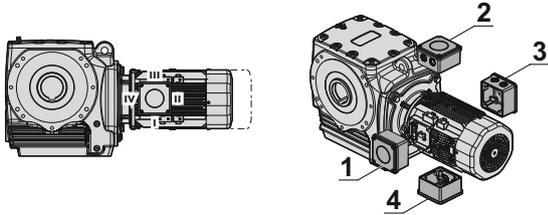
○ Yağ Seviye tapası /
 Oil level / Ölstand

■ Boşaltma tapası /
 Drain plug / Ölablass

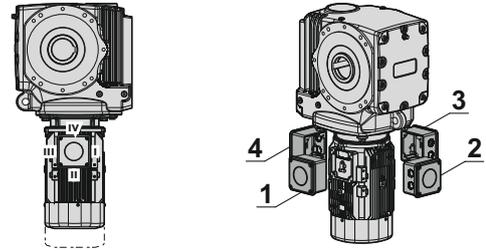
PSH

TERMİNAL KUTUSU VE KABLO GİRİŞ YÖNLERİ / POSITION OF TERMINAL BOX AND CABLE ENTRY /
KLEMMENKASTENLAGE UND KABELNİFÜHRUNG

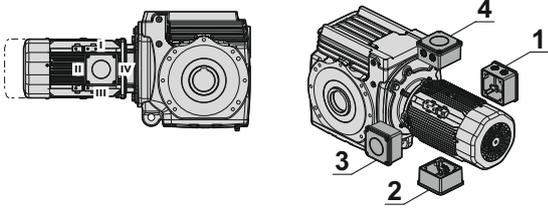
M1



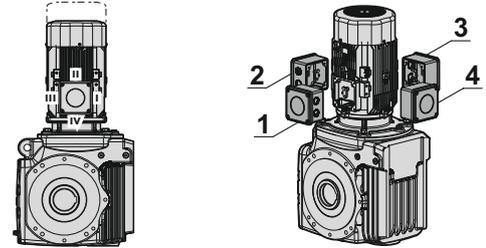
M2



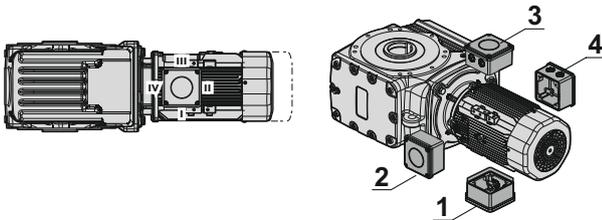
M3



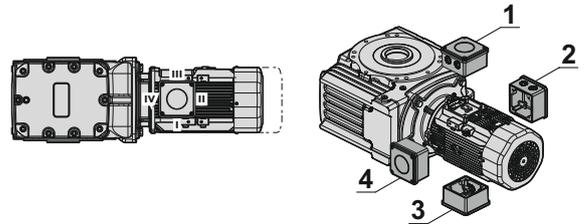
M4



M5



M6



* 1 - 2 - 3 - 4 : Terminal kutusu yönlerini gösterir.

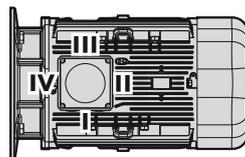
* I - II - III - IV: Kablo giriş yönlerini gösterir.

* 1 - 2 - 3 - 4 : Shows terminal box position

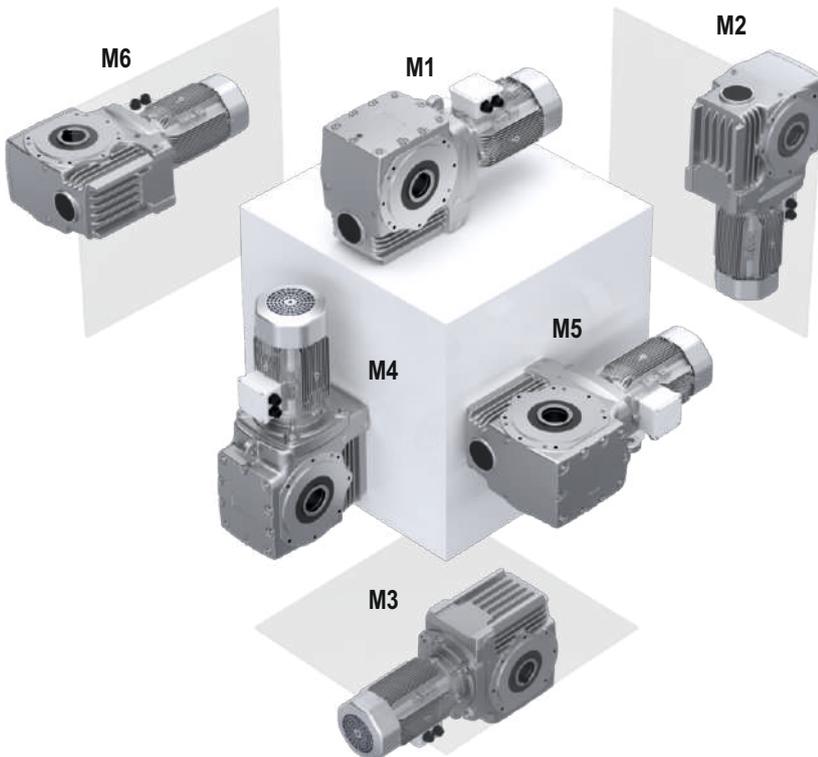
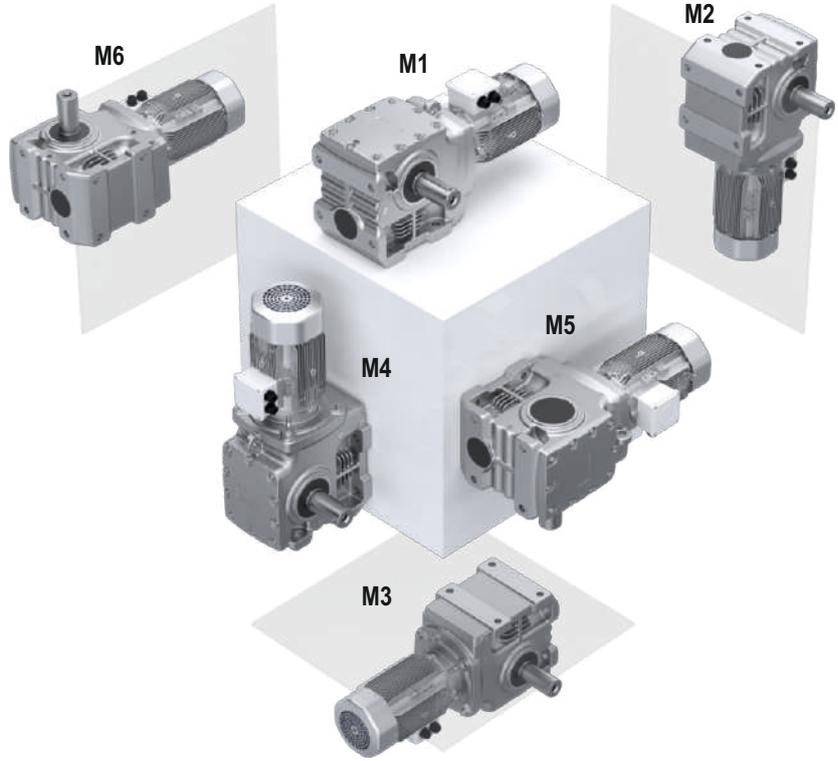
* I - II - III - IV: Shows cable entry position

* 1 - 2 - 3 - 4 : Zeigt die Position des Klemmkastens an

* I - II - III - IV: Zeigt die kabeleinführungsposition an



AYAK MONTAJLI
FOOT MOUNTED
FUBBEFESTIGUNG



GÖVDEDEN MONTAJLI
CASE MOUNTED
GEHÄUSE FLANSCHMONTAGE

Redüktör içerisindeki yağın basıncının artması yağ sızıntılarına neden olabilmektedir. Bunu önlemek için çalıştırılmadan ya da uzun süreli depolama yapılmadan önce havalandırma tapasının kapağı sökülmelidir.

Montaj aşamasında redüktörlerimiz en uygun mineral yağ ile yağlama prosesini en iyi yapacak şekilde doldurur ve sevkiyatta bu şekilde gönderilir. Yapılan bu ilk doldurma, aşağıdaki tablodan uygun ortam sıcaklığına karşılık gelen (normal tasarım) uygun yağlayıcı ile yapılır. Bunlar dışındaki ortam sıcaklıkları için uygun yağlayıcılar ek bir ücret karşılığında tarafımızca temin edilebilir.

Redüktöre doldurulan yağlayıcı (mineral yağ) her 10000 saat çalışma süresi ya da 2 yıl içinde değiştirilmelidir. Eğer sentetik yağlayıcı kullanılır ise bu süreler 2 katına çıkarılabilir. Yani her 20000 saat veya 4 yılda bir değişim sağlanabilir. Çalışma süresi saat cinsinden belirtilen süreye gelmiş ise yağ değişimi için çalışma yılının dolması beklenmez. Yağ değişiminin daha sık aralıklarla yapılması tavsiye edilir. Bu gibi durumlarda yağ değişiminin yanı sıra kapsamlı bir temizlik de yapılmalıdır.

Yağ değişimi sonrasında özellikle ilk dolulmadan sonra ilk birkaç saatlik çalışma esnasında yağ seviyesinde azalmalar gözlemlenebilir. Bu azalma tolerans dahilinde de öngörülen bir azalmadır.

Müşterinin açık talebi üzerine ek bir ücret karşılığında yağ seviyesi gösterge tapası takabilmekteyiz. Yağ seviyesi gösterge tapası kullanarak müşterinin yağ seviyesini gözlemlemesi ve yaklaşık olarak seviye düzeltilmesini yapmasını tavsiye ederiz. İki saatlik bir operasyonel çalışmanın ardından redüktör stabil bir hale gelir ve soğur. Bu süre zarfında yağ seviyesi gösterge tapasından gerekli kontrol yapılır ve gerekli yağ seviye düzeltilmesi yapılabilir.

Redüktör normal olarak mineral yağ ile dolu olarak gelmektedir. Extra ücretlendirme ile sentetik yağ talep edilebilir.

-30°C nin altında ve 60°C nin üzerindeki ortam sıcaklıkları için shaft üzerinde kullanılan tüm sızdırmazlık elemanları özel kalite malzeme olmalıdır.

If the pressure of oil within reducer increases, there may be leakage. To prevent this, before working or storage for a long time, the cover of ventilation plug should be removed.

At montage step, reducers are filling with more suitable mineral oil and this oil makes lubrication process the best. Products are sent to shipment in this way. This initial filling is done with suitable lubricant corresponding to the appropriate ambient temperature (normal design) from the table below. Lubricants which are suitable for temperatures other than these ambient temperatures can be supplied by us with an additional cost.

The lubricant (mineral oil) which is filled to the reducer should be changed every 10000 hours of operation or at most two years period. If synthetic oil is used, these times could be twice. That is, it can be replaced every 20000 hours of operation or 4 years period. If the working time has reached the specified time in hours, it is not necessary to wait finish working year. It is advised that you should change lubricant more frequently. In this case, addition to lubrication change, you should clean it comprehensively. After changing lubrication, especially for first time, you can see decrease at lubrication level. This decrease is in our tolerance.

If our customer has request from us for oil level plug, we can deliver it with additional costs. We advice to customer that they should check oil level by oil level plug, and correct oil level. After operational working 2 hours, the reducer will be stable and cool. In this time period, you can check oil level from the window of oil level plug and correct oil level.

Normally, reducer will come with mineral oil but, with extra price, you can obtain synthetic oil.

Different materials should be used for sealings at operation temperature where temperature is below -30 °C and above 60 °C

Vor Inbetriebnahme und längerem Lagern ist der Verschleiß der Entlüftungsschraube zu entfernen, um einen Überdruck im Getriebe und eine damit verbundene mögliche Undichtigkeit zu vermeiden.

Getriebe sind bei der Auslieferung, betriebsfertig mit geeignetem Mineralöl befüllt. Die Erstbefüllung erfolgt mit geeignetem Schmierstoff entsprechend der geeigneten Umgebungstemperatur (Normalausführung) aus der folgenden Tabelle. Für andere Umgebungstemperaturen sind die entsprechenden Schmierstoffe gegen Mehrpreis erhältlich. Bei Befüllung mit Mineralöl sollte ein Schmierstoffwechsel alle 10.000 Betriebsstunden oder nach zwei Jahren durchgeführt werden. Bei synthetischem Öl verdoppeln sich diese Laufzeiten. Ein Wechsel kann somit alle 20.000 Stunden oder 4 Jahre durchgeführt werden. Wenn die Betriebszeit die angegebene Zeit in Stunden erreicht hat, ist das Betriebsjahr für den Ölwechsel nicht abzuwarten. Kürzere Intervalle für den Ölwechsel werden empfohlen. Es ist empfehlenswert, den Schmierstoffwechsel mit gründlicher Reinigung des Getriebes zu verbinden. Nach einem Schmierstoffwechsel und insbesondere nach der Erstfüllung kann sich der Ölstand in den ersten Betriebsstunden geringfügig ändern, da sich Ölkanäle und Hohlräume erst im Betrieb langsam füllen. Der Ölstand liegt dann immer noch in der zulässigen Toleranz.

Falls auf ausdrücklichen Kundenwunsch gegen Mehrpreis ein Ölschauglas eingebaut wird, empfehlen wir kundenseitig den Ölstand zu beobachten und diesen ungefähr zu korrigieren. Nach zwei Stunden Betriebszeit stabilisiert sich das Getriebe und kühlt ab. Während dieser Zeit erfolgt die notwendige Kontrolle über das Ölschauglas und die notwendige Ölstandskorrektur kann vorgenommen werden. Die Normalbefüllung der Getriebe ist Mineralöl. Synthetisches Öl ist gegen Mehrpreis lieferbar.

Bei Umgebungstemperaturen unterhalb -30°C und oberhalb 60°C sind alle an der Welle verwendeten Dichtelemente in besonderer Werkstoffqualität einzusetzen.

Not: Sentetik ve mineral yağlayıcılar birbirine karıştırılmamalıdır.

Note: It is important that different kinds of oil (synthetic and mineral oil) should not be mixed.

Bemerkung: Synthetische und mineralische Schmierstoffe dürfen nicht gemischt werden.

| Redüktör Tipi Type of gearbox Getriebetyp | Yağ Tipi Type of Lubricant Schmierstoffsorte | Ortam Sıcaklığı / Ambient Temp. °C / Umgebungstemperatur | ISO viskozite sınıfı viscosity class Viskositätsklasse | SHELL | MOBİL | BP | ESSO | DEA | ARAL | CASTROL | TRIBOL | KLÜBER |
|---|--|--|--|--|------------------------|------------------------------------|--------------------------|--|---|--|---|----------------------------|
| Helisel Dişli Redüktör Helical Gearboxes | Mineral yağ Mineral oil Mineralöl | - 5...40 Normal | ISO VG 220 | Shell Omala Oel 220 | Mobilgear 600 XP 220 | Energol GR-XP 220 | Spartan EP 220 | Deagear DX SAE 85W-90 Falcon CLP 220 | Degol BG 220 | Alpha SP 220 Alpha MW 220 Alpha MAX 220 | Tribol 1100/220 | Klüberoil GEM 1-220 |
| | | -15...25 | ISO VG 100 | Shell omala Oel 100 | Mobilgear 600 XP 150 | Energol GR-XP 100 | Spartan EP 100 | Deagear DX SAE 80W Falcon CLP 150 | Degol BG 100 | Alpha SP 100 Alpha MW 100 Alpha MAX 220 | Tribol 1100/100 | Klüberoil GEM 1-100 |
| | # - 50...-15 | ISO VG 15 | Shell Tellus Oel T 15 | Mobil DTE 10 Excel 15 | Bartran HV 15 | Univis J 13 | Alkraft Hydraulic Oil 15 | Vitamol 1010 | Hypsin SP 15 Hypsin ZZ 15 | Tribol 770 | Isoflex MT 30 rot | |
| Stirradgetriebe | Sentetik yağ Synthetic oil Synthetisches Öl | - 25...80 | ISO VG 220 | Shell Tivela Oel WB | Mobil Glygoyle 30 | Enersyn SG-XP 220 | ESSO Glycolube 220 | Polydea PGLP 220 | Degol GS 220 | Alphasyn PG 220 | Tribol 800/220 | Klübersynth GH 6 - 220 |
| | | - 25...80 | ISO VG 220 | | | | | Plantogear 220 S | Bio-Degol S 220 | Carelube GES 220 | Tribol Bio Top1418/220 | Klüber - Bio GM 2 - 220 |
| | Gıda yağları Food - grade oil Lebensmittelle | - 25...80 | ISO VG 220 | Cassida 220 | Mobil SHC Cibus 220 | | GEAR OIL FM 220 | Renolin 220 | Degol FG 220 | OPTIMOL optleb GE 220 | Tribol Food Proof 1810/220 | Klüberoil 4UH1 - 220 |
| Rulmanlar Bearings Lager | Akışkan sentetik gres Synthetic fluid grease Fließendes synthetisches Fett | - 35...60 | | Shell Tivela compound A | Mobil SHC Polyrex 005 | Enersyn GSF | Fliessfett S 420 | Glissando 6833 EP 00 | Aralub SKA 00 | Alpha Gel 00 | Tribol 800/1000 | Klübersynth GE 46 - 1200 |
| | | - 30...60 Normal | | Alvania Fett R 3 oder Alvania Fett RL 3 | Mobilux 3 Mobilux 2 | Energrease LS 3 Energrease LS 2 | Beacon 3 Beacon 2 | Glissando 30 Glissando 20 Glissando FT 3 | Aralub HL 3 Aralub HL 2 Aralub BAB EP 2 | Spheerol AP 3 Spheerol AP 2 LZV - EP Spheerol EPL 2 | Tribol 3030/100-2 Tribol 4020/220-2 Tribol 3785 | Centoplex 3 Centoplex 2 |
| | # 50...110 | | Aero Shell Grease 16 oder 7 | Mobiltemp SHC 32 | | Beacon 325 | Discor 8 - EP 2 | Aralub SKL 2 | Product 783/46 | Tribol 3499 | Isoflex Topas NB52 | |

AYAK MONTAJLI / FOOT MOUNTED / FUßBEFESTIGUNG

İKİ KADEME / DOUBLE STAGE / ZWEISTUFIG

Yağ Miktarı - Litre (L) / Amount of oil - Liter (L) / Ölmenge - Liter (L)

|  | Tip / Type Typ | M1 | M2 | M3 | M4 | M5 | M6 |
|---|-------------------|-------|------|-------|------|------|------|
| | PSH 2040 | 0.50 | 0.65 | 0.65 | 0.65 | 0.65 | 0.55 |
| PSH 2050 | 0.60 | 1.25 | 0.80 | 1.20 | 0.75 | 0.75 | 0.75 |
| PSH 2063 | 0.45 | 1.80 | 1.35 | 1.65 | 1.05 | 1.05 | 1.05 |
| PSH 2080 | 0.90 | 2.75 | 1.90 | 3.00 | 1.85 | 1.85 | 1.85 |
| PSH 2100 | 1.60 | 6.00 | 3.80 | 5.95 | 3.50 | 3.50 | 3.50 |
| PSH 2125 | 3.10 | 12.10 | 6.90 | 11.30 | 6.40 | 6.40 | 6.40 |

ÜÇ KADEME / TRIPLE STAGE / DREISTUFIG

Yağ Miktarı - Litre (L) / Amount of oil - Liter (L) / Ölmenge - Liter (L)

|  | Tip / Type Typ | M1 | M2 | M3 | M4 | M5 | M6 |
|--|-------------------|-------|------|-------|------|------|------|
| | PSH 3050 | 0.95 | 1.60 | 1.20 | 1.50 | 1.00 | 1.00 |
| PSH 3063 | 0.90 | 2.40 | 1.75 | 2.10 | 1.30 | 1.30 | 1.30 |
| PSH 3080 | 1.80 | 3.35 | 2.30 | 3.70 | 2.10 | 2.10 | 2.10 |
| PSH 3100 | 2.20 | 8.10 | 4.40 | 7.35 | 4.00 | 4.00 | 4.00 |
| PSH 3125 | 5.10 | 15.10 | 7.90 | 14.50 | 7.30 | 7.30 | 7.30 |

GÖVDEDEN MONTAJLI / CASE MOUNTED / GEHÄUSE FLANSCHMONTAGE

İKİ KADEME / DOUBLE STAGE / ZWEISTUFIG

Yağ Miktarı - Litre (L) / Amount of oil - Liter (L) / Ölmenge - Liter (L)

|  | Tip / Type Typ | M1 | M2 | M3 | M4 | M5 | M6 |
|---|-------------------|-------|-------|-------|------|------|------|
| | PSH 2040 | 0.55 | 0.85 | 0.80 | 0.65 | 0.55 | 0.55 |
| PSH 2050 | 0.40 | 1.35 | 0.85 | 1.20 | 0.95 | 0.95 | 0.95 |
| PSH 2063 | 0.45 | 1.60 | 1.25 | 1.60 | 1.35 | 1.35 | 1.35 |
| PSH 2080 | 0.70 | 3.00 | 2.25 | 3.30 | 2.30 | 2.30 | 2.30 |
| PSH 2100 | 1.35 | 5.70 | 4.40 | 5.00 | 4.00 | 4.00 | 4.00 |
| PSH 2125 | 3.00 | 11.20 | 11.10 | 10.40 | 6.80 | 6.80 | 6.80 |

ÜÇ KADEME / TRIPLE STAGE / DREISTUFIG

Yağ Miktarı - Litre (L) / Amount of oil - Liter (L) / Ölmenge - Liter (L)

|  | Tip / Type Typ | M1 | M2 | M3 | M4 | M5 | M6 |
|---|-------------------|-------|------|-------|------|------|------|
| | PSH 3050 | 0.85 | 1.75 | 1.10 | 1.70 | 1.20 | 1.20 |
| PSH 3063 | 0.90 | 2.10 | 1.50 | 1.95 | 1.60 | 1.60 | 1.60 |
| PSH 3080 | 1.15 | 3.90 | 2.50 | 3.80 | 2.55 | 2.55 | 2.55 |
| PSH 3100 | 2.15 | 6.90 | 5.00 | 7.10 | 4.45 | 4.45 | 4.45 |
| PSH 3125 | 4.00 | 12.90 | 7.70 | 12.10 | 7.70 | 7.70 | 7.70 |

TR

KİLİT

Opsiyonel olarak redüktörlerimize kilit sistemi koymaktayız. Kilit sistemimiz yalnızca tek bir dönüş yönüne müsaade vermektedir (saat yönü ya da saatin tersi yönü). Aksi yönde dönüş, kilit sistemi tarafından engellenmektedir.

Üç fazlı motor gövde büyüklüğü 80 ve üzeri AC motorlar ve W (serbest giriş mili) kovanları yağlaması yapılmış kilit sistemi ile donatılabilir.

Kilit sistemi istenildiğinde çıkartılabilir. Kilit sistemi merkezkaç kuvveti tarafından kontrol edilir ve dönüş hızı $n_1 > 900$ dev/dk ise yağlanma ile aşınmaz çalışır.

Dönüş yönünün tanımlanması her zaman çıkış şaftına ya da miline göre olur. Konik sıkırtma kullanılan redüktörlerde konik sıkırtma diski, kullanılan konik sıkırtma şaftının aksi tarafında bulunur. Konik sıkırtmalı redüktörler için dönüş yönü, konik sıkırtmalı şafta göre belirlenir.

Dikkat: Sistemi devreye almadan önce motorun ve redüktörün dönüş yönleri kontrol edilmelidir. Redüktör üzerindeki oklar size dönüş yönünü gösterecektir.

CW : Saat yönü

CCW : Saat yönü tersi

EN

BACKSTOP

Our reducers includes backstop system optionally. Backstop system permits only one direction of rotation (clockwise or counterclockwise). Opposite direction of rotation is prevented by backstop system.

Motors which are three phase and case dimensions upper than 80 and free input shafts can be used with lubricated backstop systems.

You can remove backstop system when you want. Backstop system is controlled by centrifugal force and works without corrosion if the rotation speed upper than 900 min^{-1} .

Rotation direction is decided according to output shaft. For reducers with shrink disc, it is at opposite direction of tip of output shaft which includes shrink disc connector.

Caution: Before starting, the direction of rotation of the gear unit and motor must be checked to avoid the risk of a breakage.

CW : Clockwise

CCW : Counterclockwise

DE

RÜCKLAUFSPERRE

Optional bieten wir für unsere Getriebe Rücklaufsperran. Rücklaufsperran ermöglichen den Lauf in nur eine Drehrichtung (im Uhrzeigersinn oder gegen den Uhrzeigersinn). Drehung in die entgegengesetzte Richtung wird durch die Rücklaufsperran verhindert.

Drehstrommotoren ab Baugröße 80, Wechselstrommotoren und W-Adapter (freie Antriebswelle) können mit geschmierten Rücklaufsperran ausgestattet werden.

Die Rücklaufsperran kann auf Wunsch entfernt werden. Die Rücklaufsperran ist fliehkraftgesteuert und läuft bei einer Drehzahl $n_1 > 900 \text{ U/min}$ mit Ölung verschleißfrei.

Die Drehrichtung wird immer mit Blick auf die Abtriebs-Hohlwelle oder -Vollwelle angegeben. Bei Getrieben mit Schrumpfscheibe befindet sich die Schrumpfscheibe gegenüber dem Abtriebswellenende. Die Drehrichtung für Getriebe mit Schrumpfscheibe wird auch nach diesem Abtriebswellenende bestimmt.

Achtung: Vor Inbetriebnahme der Anlage die Drehrichtung des Motors und des Getriebes prüfen. Pfeile auf dem Getriebe zeigen die Drehrichtung an.

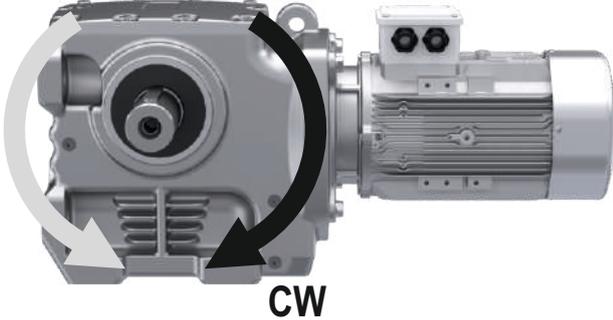
CW: Im Uhrzeigersinn

CCW: Gegen den Uhrzeigersinn

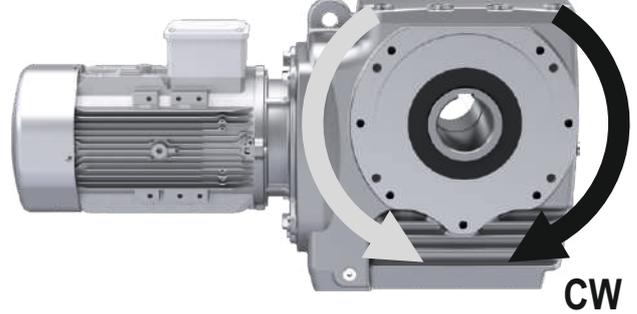
A

B

CCW



CCW



*Bütün shaft tasarımları ve çift çıkışlı shaftlar için geçerlidir. *It is valid for every shaft designs and double output shafts.

*Gilt für alle Wellenausführungen und beidseitiger Vollwelle.

TR

TOLERANSLAR

MOTOR VE REDÜKTÖRLERDE BOYUT - ÇİZİM BİLGİLERİ

Motor ölçüleri istenen opsiyona göre değişebilir.

DELİK MİLLİLER

Delik mil çapı toleransı için (DIN 748) ISO H7.
Müşteri mili çap toleransı ISO h6.
"H" yükleme tipi bulunuyorsa ISO k6.

IEC - ADAPTÖR

Flanş merkezi çap toleransı için ISO H7

GİRİŞ VE ÇIKIŞ ŞAFTLARI

Mil çapı toleransı (DIN 748):

Ø 14 ile Ø 50 mm arası için ISO k6,
Ø 50 mm üzeri için ISO m6

Şaftta diş çekilmiş delikler için DIN 332/2 ye göre;

| | | |
|----------------|-----|--|
| = Ø 13 - Ø 16 | M5 | |
| > Ø 16 - Ø 21 | M6 | |
| > Ø 21 - Ø 24 | M8 | |
| > Ø 24 - Ø 30 | M10 | |
| > Ø 30 - Ø 38 | M12 |  93 - 137 |
| > Ø 38 - Ø 50 | M16 | |
| > Ø 50 - Ø 85 | M20 | |
| > Ø 85 - Ø 130 | M24 | |

Kama yatakları DIN 6885 Şaft boyu "h" DIN 747

FLANŞLAR

Flanş merkezi çap toleransı (DIN 42948);
≤ Ø 230 mm' ye kadar ISO j6,
> Ø 230 mm üzeri için ISO h6

EN

TOLERANCES

DIMENSION - DRAWINGS

Motor dimension could be changed according to customer purchase.

HOLLOW SHAFTS

Tolerance of hollow shaft (DIN 748) ISO H7.
Tolerance of customer's solid shaft which is used for hollow shaft ISO h6.
With type of load classification 'H' which is heavys shock operation ISO k6.

IEC - ADAPTER

Diameter tolerance of flange centering is machined according to ISO H7

INPUT AND OUTPUT SHAFT

Tolerances of solid shaft (DIN 748):

between Ø 14 - Ø 50 mm to ISO k6,
greater than Ø 50 mm to ISO m6.

Tapped center hole is machined according to DIN 332, sheet 2;

| | | |
|----------------|-----|--|
| = Ø 13 - Ø 16 | M5 | |
| > Ø 16 - Ø 21 | M6 | |
| > Ø 21 - Ø 24 | M8 | |
| > Ø 24 - Ø 30 | M10 | |
| > Ø 30 - Ø 38 | M12 |  93 - 137 |
| > Ø 38 - Ø 50 | M16 | |
| > Ø 50 - Ø 85 | M20 | |
| > Ø 85 - Ø 130 | M24 | |

Keyways are machined according to DIN 6885, sheet 1
Shaft heights are machined according to "h" to DIN 747

FLANGES

Diameter tolerance of flange centering is machined according to (DIN 42948);
≤ Ø 230 mm to ISO j6,
> Ø 230 mm to ISO h6

DE

TOLERANZEN

ABMESSUNGEN - ZEICHNUNGSINFORMATIONEN
MOTOR UND GETRIEBE

Die Abmessungen des Motors können je nach gewünschter Option geändert werden.

HOHLWELLEN

Toleranz der Hohlwellen-Durchmesser (DIN 748) nach ISO H7.
Toleranz der kundenseitigen Welle nach ISO h6, bei Lastgrad "H" nach ISO k6.

IEC - ADAPTER

Toleranz der Flanschzentrierung nach ISO H7

EIN- UND AUSGANGSWELLE

Toleranz der Wellen-Durchmesser (DIN 748):

Ø 14 bis Ø 50 mm= ISO k6
> Ø 50 mm= ISO m6

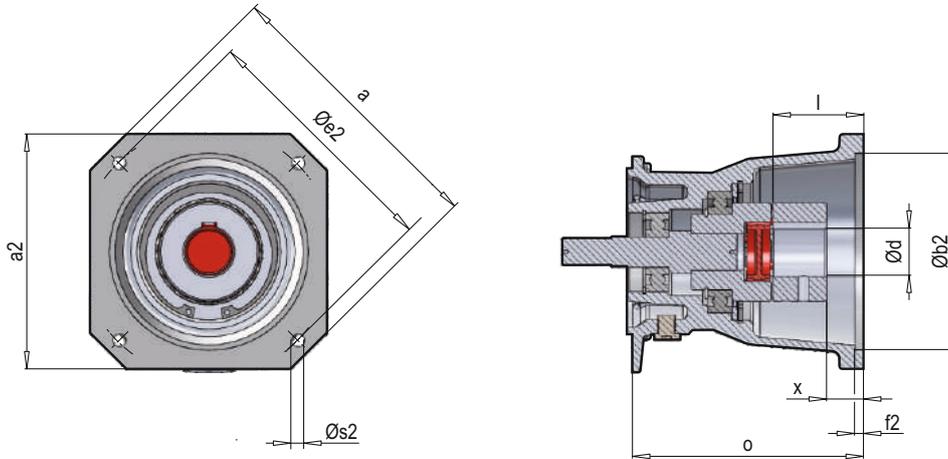
Gewindebohrungen nach DIN 332/2;

| | | |
|----------------|-----|--|
| = Ø 13 - Ø 16 | M5 | |
| > Ø 16 - Ø 21 | M6 | |
| > Ø 21 - Ø 24 | M8 | |
| > Ø 24 - Ø 30 | M10 | |
| > Ø 30 - Ø 38 | M12 |  93 - 137 |
| > Ø 38 - Ø 50 | M16 | |
| > Ø 50 - Ø 85 | M20 | |
| > Ø 85 - Ø 130 | M24 | |

Paßfedern nach DIN 6885 Achshöhe "h" nach DIN 747

FLANSCHEN

Toleranz der Flanschzentrierung (DIN 42948);
≤ Ø 230 mm nach ISO j6,
> Ø 230 mm nach ISO h6

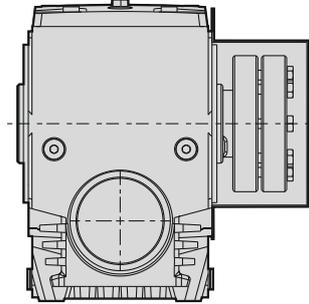


| Redüktör Tipi Gear Unit Type Getriebetyp | Motor Büyüklüğü / Motor Size / Motorbaumaße | | | | | | | Şaft Ebatı Shaft Size Wellenmaße | | Silindir Cylinder Zylinder | M _{knom} [Nm] | Adaptör tipi Adapter type Adaptertyp |
|--|--|-----|-----|-----|----|-----|----|--|----|----------------------------------|---------------------------|--|
| | a | a2 | b2 | e2 | f2 | s2 | x | d | l | | | |
| PSH 2050 PSH 2063 PSH 2080 | 120 | 96 | 80 | 100 | 4 | M6 | 15 | 19 | 40 | 124 | 10 | Servo 100/160 S |
| PSH 2050 PSH 2063 PSH 2080 | 165 | 126 | 110 | 130 | 4 | M8 | 20 | 24 | 50 | 136 | 35 | Servo 130/160 S |
| PSH 2100 | 155 | 126 | 110 | 130 | 4 | M8 | 20 | 24 | 50 | 150 | 35 | Servo 130/250 S |
| PSH 2050 PSH 2063 PSH 2080 | 186 | 155 | 130 | 165 | 5 | M10 | 23 | 32 | 58 | 151 | 95 | Servo 165/160 S |
| PSH 2100 | 186 | 155 | 130 | 165 | 5 | M10 | 23 | 32 | 58 | 166 | 95 | Servo 165/250 S |
| PSH 2100 | 240 | 192 | 180 | 215 | 5 | M12 | 45 | 38 | 80 | 187 | 95 | Servo 215/250 S |
| PSH 2125 | 240 | 192 | 180 | 215 | 5 | M12 | 24 | 38 | 80 | 229 | 310 | Servo 215/300 S |
| PSH 2125 | 350 | 260 | 250 | 300 | 5 | M16 | 26 | 48 | 82 | 231 | 310 | Servo 300/300 S |

SEP tipi servo motor bağlantı adaptörünün bağlantısı kamalı olarak yapılmaktadır. SEK tiplerinde ise servo motor adaptörünün bağlantısı setuskur civata sıkırtması ile yapılmaktadır. Servo motor bağlantı adaptörünün bağlantı flanşının farklı olması durumunda yüksek adetli siparişler üretime alınır.

For connecting SEP adapter which is shown above, servo motor's output shaft is designed with locking key. For connecting SEK type adapter, connecting is supplied with a clamp coupling sleeve. An intermediate flange is required when other servo motor types are used with IEC adapter. Offers are manufactured gladly by PGR.

Der Anschluss des Servomotor-Anschlussadapters Typ SEP erfolgt mit Paßfeder. Bei den SEK-Typen erfolgt der Anschluss des Servomotoradapters durch Anziehen der Anschluss des Servomotoradapters durch Anziehen der Gewindestifte. Bei abweichendem Anschlussflansch des Servomotor-Anschlussadapters werden Aufträge in hoher Stückzahl in Produktion genommen.



| Redüktör Tipi Gear Unit Type Getriebetyp | Konik sıkırtma Shrink disc Schrumpfscheibe | | | | Altıköşe Başlı Cıvata Hexagonal Screw Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|--|---------------------------|-----------------|-----------------|--|----|------------------------|
| | Tip Type | M _{amax} [Nm] | s _{h6} | s _{f6} | d x l | Zs | M _A [Nm] |
| PSH 2050 KS-KK | KS 25 / 35 | 182 | 2.8 | 2.3 | M5 X 25 | 8 | 7 |
| PSH 2050 KS-KK | KS 30 / 40 | 182 | 5.4 | 4.7 | M6 X 35* | 8 | 12 |
| PSH 2063 KS-KK | KS 30 / 40 | 383 | 2.6 | 2.2 | M6 X 35* | 8 | 12 |
| PSH 2063 KS-KK | KS 35 / 46 | 383 | 3.0 | 3.2 | M6 X 35* | 10 | 12 |
| PSH 2080 KS-KK | KS 40 / 55 | 779 | 3.0 | 2.6 | M8 X 40 | 8 | 30 |
| PSH 2080 KS-KK | KS 45 / 55 | 779 | 4.1 | 3.8 | M8 X 40 | 8 | 30 |
| PSH 2100 KS-KK | KS 50 / 62 | 1604 | 2.7 | 2.6 | M8 X 40 | 10 | 30 |
| PSH 2100 KS-KK | KS 60 / 76 | 1604 | 5.1 | 4.7 | M10 X 50 | 10 | 59 |
| PSH 2125 KS-KK | KS 60 / 76 | 3120 | 2.6 | 2.4 | M10 X 50 | 10 | 59 |
| PSH 2125 KS-KK | KS 70 / 90 | 3120 | 4.4 | 4.1 | M12 X 70* | 10 | 100 |

Daha iyi ve kolay montaj ve demontaj için konik sıkırtmalı tavsiye edilebilir. Hs ölçüsü, cıvata sıkılmadan önceki ölçüsüdür. Konik sıkırtma genellikle kullanıcının mili kullandığı yönün karşısına montaj edilmelidir. Kullanıcı mil uzunluğu ile şaft uzunluğu (mH) uyşmalıdır. Şaft çapı ISO h6 veya f6'ya göre imal edilmelidir. (f6= Kolay montaj)

S = h6 veya f6 ile konik sıkırtmanın güvenilirliği.
MA = Cıvatayı sıkmak için gerekli olan tork
Zs = Vida miktarı
Mamax = max. izin verilebilir çıkış momenti

Yukarıdaki bütün ölçüler W kovanlı, IEC ve PAM adaptörlü helisel konik dişli redüktörler için de geçerlidir.

PGR recommends to use shrink disc for easier installation and disassembly Hs values show dimension before tightening screw. When customer shaft is installed to the gear unit, shrink disc should be mounted on opposite side of it. Consider that, customer shaft must be equal 'mH' dimension which is length of hollow shaft and customer diameter shaft should be machined according to ISO h6 or f6 tolerances.

S = Assurance of shrink disc (with h6 and f6 tolerance)
MA = Screw torque for tightening
Zs = Amount of screw
Mamax = maximum allowable output moment

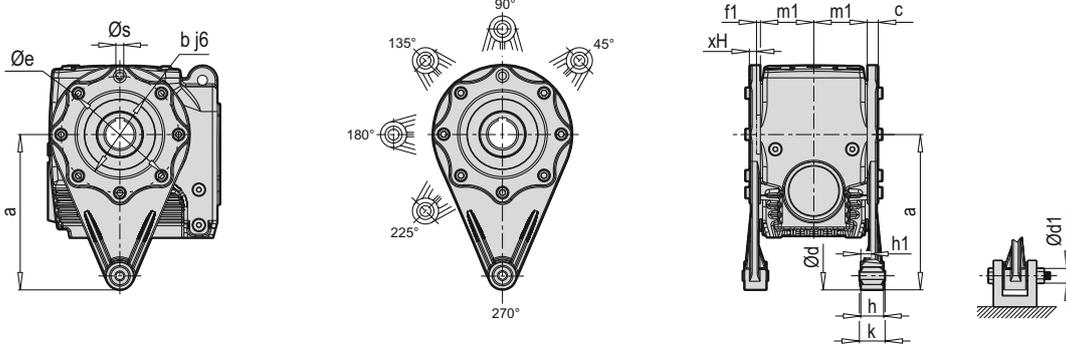
All of the above dimensions are also valid for helical bevel gear units with free input shaft, IEC and PAM adaptor.

Zur besseren und einfacheren Montage und Demontage kann eine Schrumpfscheibe empfohlen werden. Hs ist die Größe vor dem Anziehen der Schraube. Die Schrumpfscheibe sollten grundsätzlich entgegen der Antriebsrichtung der Kundenwelle montiert werden. Die Länge der Kundenwelle muss der Hohlwelle (mH) entsprechen. Der Durchmesser der Hohlwelle sollte nach ISO h6 oder f6 gefertigt werden. (f6= einfache Montage)

Zuverlässigkeit der Schrumpfscheibe mit S = h6 oder f6.
MA= Erforderliches Drehmoment zum Anziehen der Schraube
Zs = Schraubenanzahl
Mamax = max. zulässiges Abtriebsdrehmoment

Alle oben genannten Maße gelten auch für Kegelradgetriebe mit freier Antriebswelle, IEC- und PAM-Adapter.

TK



Tork kolunun pozisyonlanması
Positions of torque arm / Positionierung der Drehmomentstütze

PSH 2050 DG/TK ... 2125 DG/TK için 45°...270°
PSH 3050 DG/TK ... 3125 DG/TK için 45°...270°
PSH 2040 için sadece 90° - 180° - 270°

PSH 2050 DG/TK ... 2125 DG/TK for 45°...270°
PSH 3050 DG/TK ... 3125 DG/TK for 45°...270°
Only 90° - 180° - 270° for PSH 2040

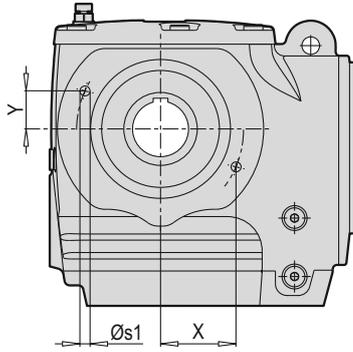
PSH 2050 DG/TK ... 2125 DG/TK für 45°...270°
PSH 3050 DG/TK ... 3125 DG/TK für 45°...270°
Nur 90° - 180° - 270° für PSH 2040

| Tip Type Typ | Montaj Ölçüleri Mounting Dimensions Montageabmessungen | | | | | | | | | | | Ana Ölçüler Outline dimensions Hauptabmessungen | |
|----------------------------------|--|------|------|----|------|----|----|------|----|-----|-----|---|----|
| | a | b j6 | c | d | d1 | f1 | h | h1 | k | s | e | m1 | xH |
| PSH 2040 DG/TK | 110 | 60 | 10 | 35 | 10.5 | - | 32 | 8 | 36 | 6.6 | 75 | 57 | 3 |
| PSH 2050 DG/TK PSH 3050 DG/TK | 130 | 95 | 14 | 40 | 10.5 | 3 | 32 | 10 | 36 | 9 | 115 | 60 | 3 |
| PSH 2063 DG/TK PSH 3063 DG/TK | 160 | 95 | 14 | 40 | 10.5 | 3 | 32 | 11.5 | 36 | 9 | 115 | 67 | 4 |
| PSH 2080 DG/TK PSH 3080 DG/TK | 200 | 130 | 13.5 | 40 | 10.5 | 4 | 32 | 9 | 36 | 11 | 165 | 75 | 5 |
| PSH 2100 DG/TK PSH 3100 DG/TK | 250 | 180 | 16 | 60 | 16.5 | 4 | 56 | 20.5 | 60 | 14 | 215 | 92 | 5 |
| PSH 2125 DG/TK PSH 3125 DG/TK | 310 | 230 | 18 | 60 | 16.5 | 4 | 56 | 29.5 | 60 | 14 | 265 | 115 | 6 |

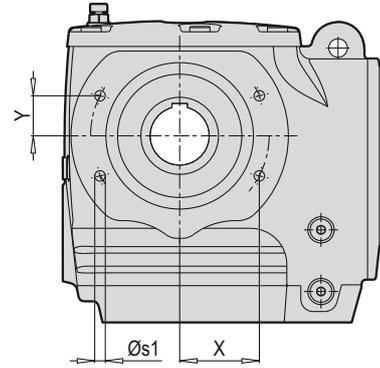
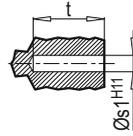
Sipariş verirken tork kolunun pozisyonunu belirtiniz.
(Örn. 270°)
Tork kolu L ya da R tarafına bağlanabilir.

Please indicate position of torque arm when ordering.
(Ex. 270°)
Torque arm can be connected at side of L and R.

Geben Sie bei der Bestellung die Position der Drehmomentstütze an (zB 270°).
Die Drehmomentstütze kann L- oder R-seitig angebunden werden.

MERKEZLEME PİMİ ÖLÇÜ TABLOSU /
 DIMENSION TABLES OF CENTRING PINS / ABMESSUNGSTABELLE ZENTRIERSTIFT


PSH 2050 DG ... PSH 3100 DG



PSH 2125 DG ... PSH 3125 DG

| Tip / Type / Typ | s1 ^{H11} x t | X | Y |
|----------------------------|-----------------------|--------|-------|
| PSH 2050 DG PSH 3050 DG | 2 X Ø8 X 12 | 56.14 | 12.45 |
| PSH 2063 DG PSH 3063 DG | 2 X Ø8 X 12 | 56.14 | 12.45 |
| PSH 2080 DG PSH 3080 DG | 2 X Ø10 X 15 | 80.54 | 17.86 |
| PSH 2100 DG PSH 3100 DG | 2 X Ø12 X 20 | 104.95 | 23.27 |
| PSH 2125 DG PSH 3125 DG | 4 X Ø12 X 20 | 111.75 | 71.19 |

TR

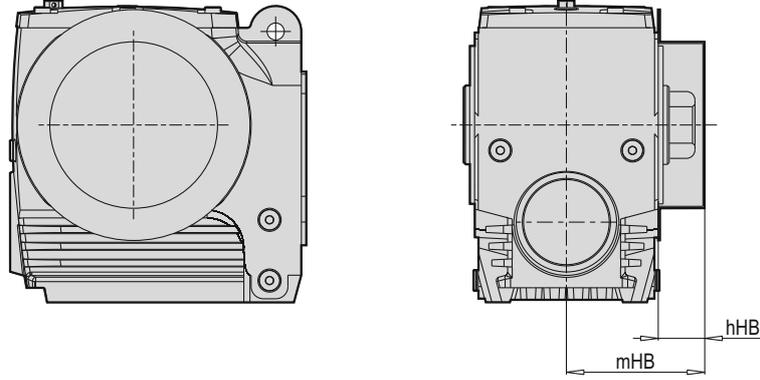
KORUMA KAPAĞI

EN

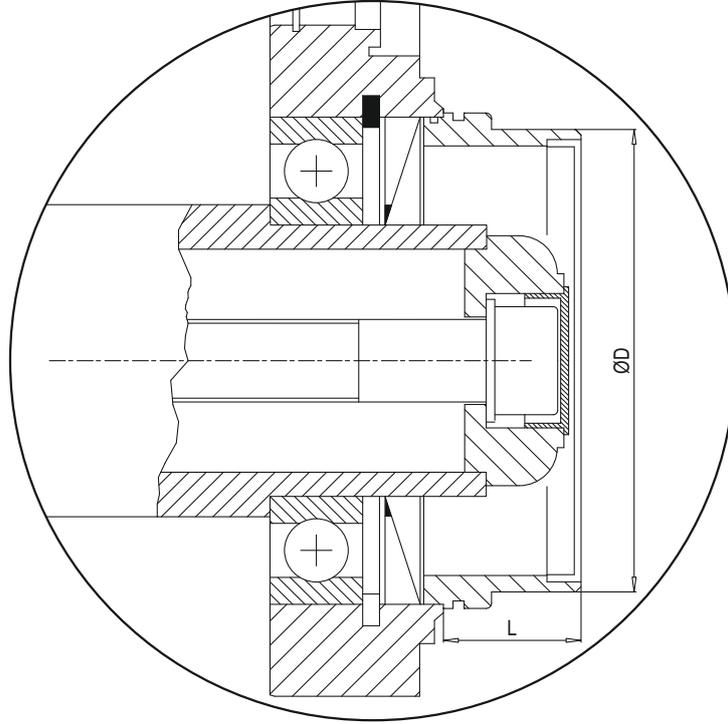
PROTECTION COVER

DE

SCHUTZDECKEL

ŞAFT KORUMA KAPAĞI ÖLÇÜ TABLOSU
DIMENSION TABLE OF SHAFT COVER / MASSTABELLE FÜR WELLENSCHUTZDECKEL

| Tip / Type / Typ | hHB | mHB |
|----------------------------------|-----|-----|
| PSH 2050 DG/KK PSH 3050 DG/KK | 38 | 98 |
| PSH 2063 DG/KK PSH 3063 DG/KK | 38 | 105 |
| PSH 2080 DG/KK PSH 3080 DG/KK | 42 | 117 |
| PSH 2100 DG/KK PSH 3100 DG/KK | 50 | 142 |
| PSH 2125 DG/KK PSH 3125 DG/KK | 54 | 169 |



| Tip / Type / Typ | ØD | L |
|----------------------|-----|----|
| PSH 2050 PSH 3050 | 81 | 25 |
| PSH 2063 PSH 3063 | 86 | 28 |
| PSH 2080 PSH 3080 | 105 | 35 |
| PSH 2100 PSH 3100 | 136 | 40 |
| PSH 2125 PSH 3125 | 151 | 40 |

TR M4 MONTAJ POZİSYONU İÇİN İLAVE YAĞ HACMİ

Motorlu ve mil girişli dikey olarak monte edilmiş redüktörlerde 1. Kademenin yağlanması için yağ seviyesi yüksektir. Dikey montaj pozisyonu olan M4 pozisyonunda isteğe bağlı olarak ilave yağ hacim ünitesinin kullanılması, yağın köpürme yaptığı durumlarda extra bir hacim sağlayarak havalandırma tapasından yağ sızmasını önler.

PGR tahvil oranının 20'den küçük olduğu ve PA/PF 42, PD/PM 42, PKD 4390 dan büyük, gövdelerin dikey montajlarında ilave yağ hacim ünitesinin kullanımı kesinlikle önerilir. Aksi kullanım durumunda PGR ürünü garanti kapsamına almamaktadır.

PGR ayrıca tahvil oranının 20'den küçük ve motor dönüş hızının 1800 d/dk'den büyük olduğu küçük gövdeli redüktörler için de ilave yağ hacim ünitesinin kullanımını önemle tavsiye eder.

 35-38

EN ADDITIONAL LUBRICANT VOLUME FOR MOUNTING POSITION M4

Reducers which are with motor, solid shaft and vertical mounting position has high oil level for lubricating first stage. The usage of additional lubricant tube at M4 mounting position upon request prevents leakage when oil is foamed by providing extra volume.

PGR strictly recommends usage of additional oil tube when the ratio number is less than 20, larger than PA/PF 42, PD/PM 42, PKD 4390 cases and vertical mounting positions. Otherwise, the reducer is at out of guarantee.

In addition to this, PGR strictly recommends usage of additional oil tube when the ratio number is less than 20, motor rotation speed is bigger than 1800 min⁻¹ and smaller cases.

 35-38

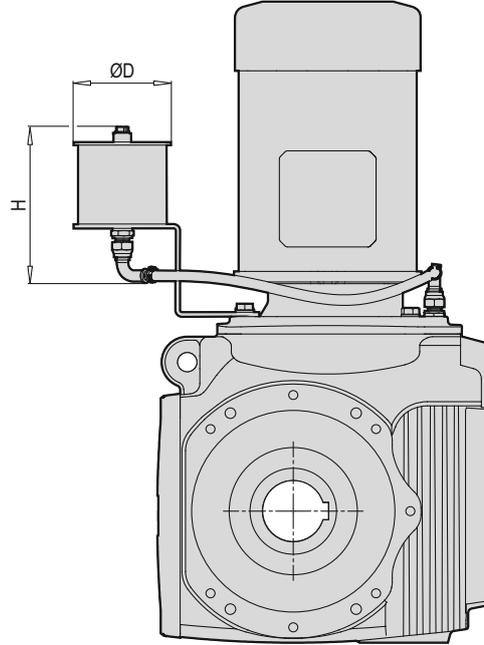
DE ZUSÄTZLICHES ÖLVOLUMEN FÜR M4 EINBAUPOSITION

Bei Getrieben mit Motor- und Wellenantrieb, die vertikal eingebaut sind, ist zur Schmierung der 1. Stufe der Ölstand höher. Der optionale Einsatz eines zusätzlichen Ölausgleichsbehälters bei der vertikalen Einbaulage M4 verhindert Ölaustritt am Entlüftungstopfen durch zusätzliches Volumen bei eventueller Ölschaumbildung.

PGR empfiehlt daher dringend bei Übersetzungen $i_{ges} < 20$ und bei Gehäusen ab PA/PF 42, PD/PM 42, PKD 4390 Ölausgleichsbehälter bei der vertikalen Einbaulage einzusetzen. Andernfalls ist das Getriebe von der Garantie ausgenommen.

PGR empfiehlt außerdem dringend die Verwendung eines zusätzlichen Ölausgleichsbehälters für kleinere Getriebe mit einem Übersetzungsverhältnis von weniger als 20 und einer Motordrehzahl von mehr als 1800 U/min.

 35-38

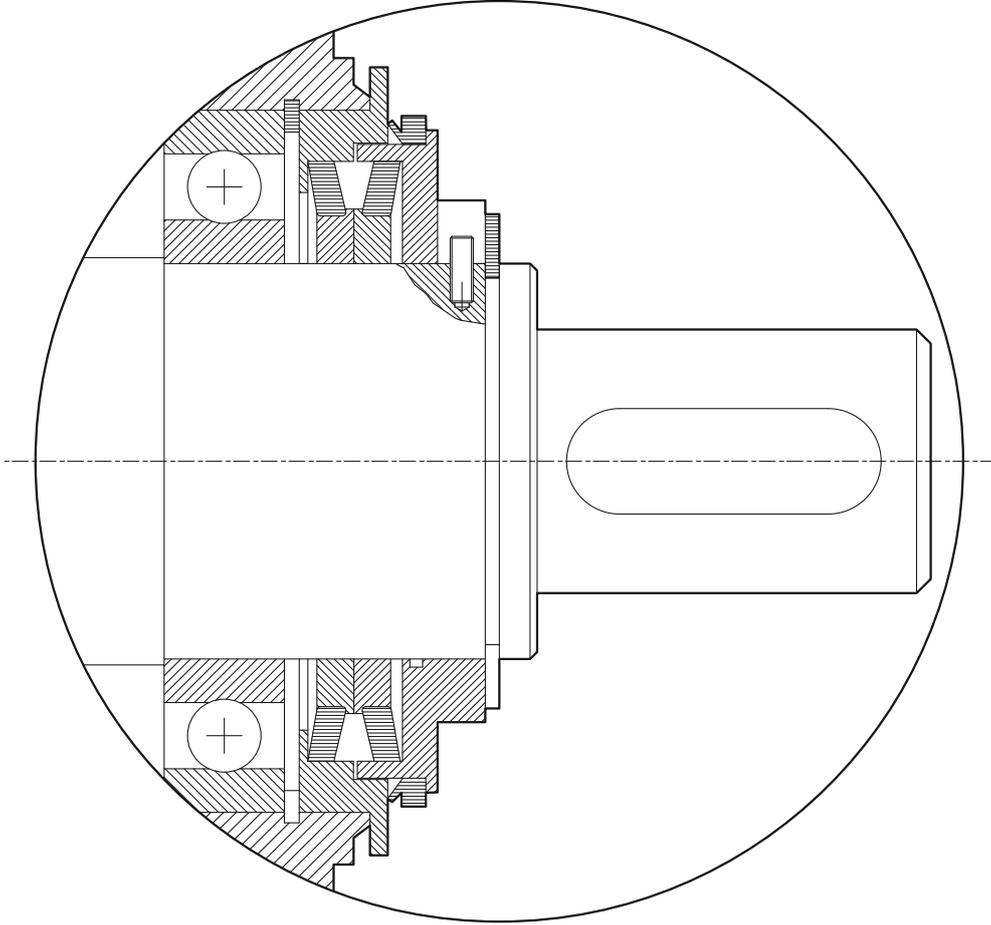


| Tip Type Typ | Boyut Size Baugröße | ØD [mm] | H [mm] | [kg] | Kapasite Capacity Kapazität [L] |
|--------------------|---------------------------|------------|-----------|------|--|
| PSH 2100 | I | 110 | 180 | 2.5 | 0.7 |
| PSH 2125 | | | | | |

* Model yapılan geliştirmeye bağlı değişiklik gösterebilir. Hassas montaj alanları için iletişime geçiniz.

* The model may vary depending on the development. Please contact for sensitive assembly areas.

* Das Modell kann sich je nach Entwicklung variieren. Bitte kontaktieren Sie uns für empfindliche Montagebereiche.



Mekanik keçe kullanımı özellikle uzun süreli maruz kalınan kötü çalışma koşullarına uygundur. Sıvı yoğunluğunun çok olduğu daldırmalı çalışma ortamlarında maximum seviye sızdırmazlık sağlar. Bu keçe tipi birçok olumsuz dış çevre koşullarından (Aşırı tozlu, sulu) yüksek seviyede koruma sağlar.

The use of mechanical seals is especially suitable for long-term poor working conditions. It provides maximum level of leakproofing for working areas which is immersion and high density of liquid. This type of seal provides a high level of protection from many unfavorable external environmental conditions (extreme dust, water).

Der Einsatz von Gleitringdichtungen eignen sich besonders bei langfristiger Belastung durch schlechte Arbeitsbedingungen. Diese bieten maximale Undurchlässigkeit in Arbeitsumgebungen unter Wasser mit hoher Feuchtigkeit. Dieser Dichtungstyp bietet einen hohen Schutz vor vielen schädlichen Umwelteinwirkungen (extremer Staub, Wasser).

TR

ÇEKTİRME KİTİ

Çektirme Kiti

Değişik gövde büyüklükleri için opsiyonel olarak çektirme kitlemiz şaft çıkışlı dizaynlarımızda mevcuttur.

Çektirme kiti için kullanım gereksinimleri:

- Kullanılan müşteri milinin alın tarafının merkezinde DIN 332/2 standartlarına uygun bir delik olmalıdır.
- Müşteri mili, faturalı ya da faturasız olsa da çektirme kiti ile uyumludur.
- I numaralı montaj pozisyonu olması halinde, müşteri mili redüktör şaftının içinde bulunan segman ile tutturulur. (Parça A)
- II numaralı montaj pozisyonu olması halinde, müşteri milinin üzerinde bulunan fatura kullanılarak doğrudan redüktör şaftı üzerine tutturulur. (Parça B)

EN

PULLER KIT

Puller Kit

The puller kit is optionally available on shaft mounted gear units.

Using conditions:

- The centre hole must be DIN 332/2 for customer solid shaft.
- The customer shaft can be fixed with the puller kit (with shoulder or without shoulder)
- When the assembly in Fig. I is used, the customer shaft is fasten by the circlip in the gear unit shaft.(Track A)
- When the assembly in Fig. II is used,It is fasten directly to the gearbox shaft using the invoice on the customer shaft.

DE

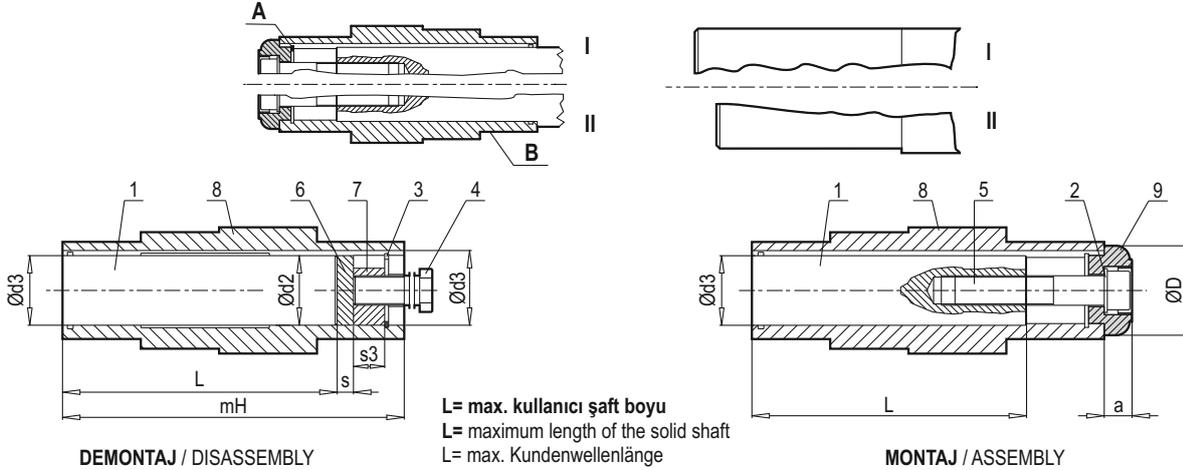
AUFZIEHVORRICHTUNG

Aufziehvorrchtung

Für verschiedene Gehäusegrößen sind optional Abziehvorrchtungen für Ausführungen mit Hohlwellenabtrieb erhältlich.

Nutzungsanforderungen für die Abziehvorrchtung:

- In der Stirnmitte der Kundenwelle sollte eine Bohrung nach DIN 332/2 vorhanden sein.
- Die Kundenwelle ist mit der Abziehvorrchtung kompatibel, mit oder ohne Wellenabsatz.
- Bei Bauform I wird die Kundenwelle mit dem Sicherungsring in der Getriebewelle befestigt. (Teil A)
- Bei Einbaulage II wird die Kundenwelle am Wellenabsatz direkt auf der Getriebewelle befestigt (Teil B)



- 1) Müşteri mili
 - 2) Rondela DIN 127
 - 3) * İç Segman DIN 472
 - 4) * Çektirme civatası
 - 5) Alyan başlı civata DIN 912
 - 6) * Yaylı rondela
 - 7) * Somun
 - 8) Redüktör şaftı
 - 9) Çektirme rondelası
- *PGR tarafından temin edilmez.

DEMONTAJ:

- 1) Alyanbaşı civata sökülmalıdır. (5)
- 2) Çektirme rondelası takılmalıdır. (9)
- 3) Yaylı rondela takılmalıdır. (6)
- 4) Somun yerleştirilmelidir. (7)
- 5) Segman takılmalıdır. (8)
- 6) Çektirme civatası gevşetilerek müşteri mili şafttan ayrılmalıdır. (4)

MONTAJ:

- 1) Müşteri mili, redüktör şaftının içine yerleştirilmelidir. (8)
- 2) Çektirme rondelası redüktör şaftının içine yerleştirilmelidir. (9)
- 3) Çektirme rondelası ile alyan başlı civata ve rondela birbirine sabitlenmelidir. (9-5-2)

Kullanım Koşulları (Montaj için):

- Müşteri milinin merkezinde DIN 332/2 standartlarına dışı açılmış delik bulunmalıdır.
- Müşteri milinin boyu "L" uzunluğundan büyük olmamalıdır. Aksi halde çektirme elemanlarını kullanmak mümkün olmayacaktır. (3-6-7)

Kullanım Koşulları (Demontaj için):

- Demontaj ölçüleri fabrika standartlarından yararlanılarak alınabilir.
- Demontaj işlemi yalnızca boyutu "L" yi aşmayan delik mile geçecek dolu miller için geçerlidir.

- 1) Customer's shaft
 - 2) Washer DIN 127
 - 3) * Circlip DIN 472
 - 4) * Puller screw
 - 5) Socket head screw DIN 912
 - 6) * Thrust washer
 - 7) * Nut
 - 8) Hollow shaft
 - 9) Puller washer
- *Star signs are shown this item are not provided by PGR

DISASSEMBLING:

- 1) Loosen the socket head screw (5)
- 2) Remove puller washer (9)
- 3) Install spring washer (6)
- 4) Install nut(7)
- 5) Install circlip (3)
- 6) Remove solid shaft from hollow shaft with using puller screw (4)

ASSEMBLING:

- 1) The customer shaft must be mounted inside the gear units shaft. (8)
- 2) The puller washer must be mounted inside the gear units shaft. (9)
- 3) The bolt and washer must be fixed with the puller washer. (9-5-2)

Usage Conditions (Assembling):

- The user shaft must be threaded to the center according to DIN 332/2.
- The customer shaft must not exceed the "L" length, otherwise the puller cannot be applied. (pos. 3,6,7)

Usage Conditions (for disassembly):

- Disassembly dimensions can be taken by using factory standards.
- The disassembly procedure is only valid for solid shafts which will be connected to solid shaft and dimension does not exceed "L".

- 1) Kundenwelle
 - 2) Federring DIN 127
 - 3) * Sicherungsring DIN 472
 - 4) * Abziehschraube
 - 5) Innensechskantschraube DIN 912
 - 6) * Federscheibe
 - 7) * Schraubenmutter
 - 8) Getriebewelle
 - 9) Abziehscheibe
- *wird Nicht von PGR bereitgestellt.

DEMONTAGE:

- 1) Innensechskantschraube muss entfernt werden. (5)
- 2) Die Abziehscheibe muss entfernt werden. (9)
- 3) Federscheibe muss eingelegt sein. (6)
- 4) Die Schraubenmutter muss eingesetzt werden. (7)
- 5) Der Sicherungsring muss montiert sein. (3)
- 6) Die Kundenwelle sollte durch Lösen der Abziehschraube von der Welle getrennt werden. (4)

MONTAGE:

- 1) Die Kundenwelle muss in der Getriebewelle befestigt werden. (8)
- 2) Die Abziehscheibe muss in die Getriebewelle eingelegt werden. (9)
- 3) Die Abziehscheibe und die Sechskantschraube und der Federring müssen miteinander befestigt werden. (9-5-2)

Nutzungsbedingungen (für Montage):

- In der Mitte der Kundenwelle muss eine Gewindebohrung nach DIN 332/2 vorhanden sein.
- Die Länge der Kundenwelle darf die Länge „L“ nicht überschreiten. Andernfalls können die Abziehelemente nicht verwendet werden. (3, 6,7)

Nutzungsbedingungen (für Demontage):

- Demontagemasse können anhand von Werksnormen übernommen werden.
- Das Demontagungsverfahren gilt nur für Vollwellen, deren Abmessung „L“ nicht überschreitet.

PSH 2040 DG/Ç ... PSH 2125 DG/Ç

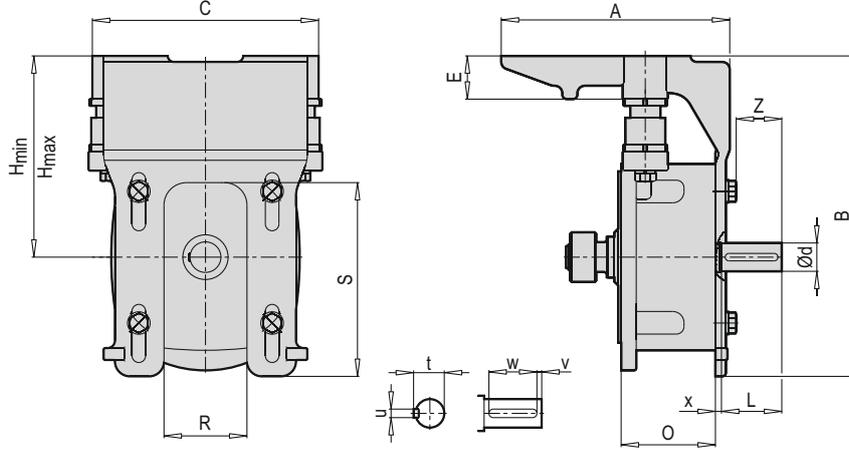
| Tip / Type | 1 L | 2 | 3 | 4 | 5 | 6 | | | 7 | | 8 d x mH | 9 | |
|---------------|--------|-----|------------|-----|----------|------|---|------|----|-----|-------------|----|----|
| | | | | | | d2 | s | d3 | s3 | a | | D | |
| PSH 2040 DG/Ç | 100 | A6 | 120 x 1.5 | M10 | M6 X 30 | 19.9 | 3 | 19.9 | 10 | M10 | 20 X 120 | 15 | 30 |
| PSH 2050 DG/Ç | 110 | A10 | 125 x 1.2 | M12 | M10 X 45 | 24.9 | 3 | 24.9 | 12 | M12 | 25 X 132 | 20 | 38 |
| PSH 2063 DG/Ç | 124 | A10 | 135 x 1.5 | M12 | M10 X 45 | 29.9 | 3 | 12 | 12 | M12 | 30 X 148 | 20 | 40 |
| PSH 2080 DG/Ç | 136 | A16 | 140 x 1.75 | M16 | M16 X 70 | 39.9 | 4 | 39.9 | 16 | M16 | 40 X 168 | 25 | 55 |
| PSH 2100 DG/Ç | 162 | A16 | 150 x 2.0 | M20 | M16 X 70 | 49.9 | 4 | 49.9 | 20 | M20 | 50 X 202 | 26 | 65 |
| PSH 2125 DG/Ç | 205 | A20 | 160 x 2.0 | M24 | M20 X 90 | 59.9 | 5 | 59.9 | 24 | M24 | 60 X 250 | 30 | 75 |

Tabloda belirtilen numaralar Sayfa 51' de açıklanmaktadır.

The numbers which are specified at table are explained on Page 51.

Die in der Tabelle angegebenen Nummern werden auf Seite 51 erklärt.

Motor Platformu Ölçüleri /
Motor Platform Dimensions / Abmessungen der Motorkonsole



| Tip Type Typ | Bağlantı boyutları ve platform ölçüleri Connection and Platform dimensions Anschlussmaße und Motorkonsolemaße | | | | | | | | | | Mil Ölçüleri Shaft size Wellenmaße | | | | Flanş Flange Flansch |
|-----------------------|---|-----|-----|-----|-----|-----|----------|----------|-----|-------|--|----------|-----------|----|----------------------------|
| | A | B | C | E | R | S | H min | H max | Z | O | Ød L | t u | v w | x | |
| MK I 63 M - 100 L | 224 | 253 | 206 | 45 | 60 | 140 | 153 | 173 | 41 | 121.5 | 24 50 | 27 8 | 5 40 | 8 | 160 S |
| MK II 80 M - 112 M | 238 | 320 | 252 | 50 | 66 | 145 | 199 | 224 | 48 | 115.5 | 28 60 | 31 8 | 5 50 | 9 | 250 S |
| MK III-A 90 S - 132 M | 305 | 430 | 302 | 58 | 110 | 260 | 254 | 286 | 61 | 127 | 38 80 | 41 10 | 5 70 | 8 | 300 S |
| MK III-B 90 S - 132 M | 305 | 430 | 302 | 58 | 110 | 260 | 254 | 286 | 91 | 172 | 42 110 | 45 12 | 10 90 | 8 | Ø250 |
| MK IV 112 M - 200 L | 478 | 530 | 402 | 75 | 130 | 315 | 315 | 355 | 116 | 254 | 65 140 | 69 18 | 15 110 | 8 | Ø350 |
| MK V 200 L - 250 M | 664 | 690 | 572 | 105 | 382 | 369 | 465 | 515 | 119 | 247 | 65 140 | 69 18 | 15 110 | 12 | Ø450 |

Motor Platform Montajı

Müşteri motor platformunu kullanarak farklı makina ve sistem tasarlarken çok fazla yapıcı olanaklar elde edilebilir.

Motor platform tasarımı PGR monoblok dişli ünitesi serileri için tüm montaj pozisyonlarında kullanılabilir. 5 çeşit motor platformu tüm motor-redüktör montaj kombinasyonlarını kapsar. Çok kademeli redüktör tasarımları için de yine seçim tablolarından motor platformu seçimi yapılabilir.

PGR motor platformu kullanımının müşteriye sağladığı avantajlar;

- * Hafif ve değişken titreşimleri etkileyen yapı
- * Korozyona dayanıklı sabitleme elemanları
- * Tüm montaj pozisyonlarında kullanılabilirlik
- * Optimum kayış gerginliğini yakalamak adına ayarlanabilir yükseklik ayarı
- * Birçok motor ve gövde büyüklüğü için motor platformu üzerinde bulunduğu bağlantı delikleri
- * 90° her yöne döndürülebilir yapı
- * Seçim tablolarından tahvil oranının $i=1$ 'e eşit olduğu durumlar için önerilir.

Assembling of Motor Platform

By using motor platform, you may have a lot of facility for designing different machines and systems.

Motor platform design may be used at all mounting positions for monoblock gear units. 5 types of motor platform covers all motor-reducer mounting combinations. For multi stage gear units, you can also select motor platform from selection tables.

The advantages of using motor platform to customer

- * Structure that affects light and variable vibrations
- * Fixing elements resistive for corrosion.
- * Usability at all mounting positions
- * Adjustable height adjustment to achieve optimum belt tension
- * Connection holes over motor platform for a lot of motor and motor case dimension
- * 90° rotation all direction
- * It is recommended for situations where the ratio is equal to $i=1$ from the selection tables

Motorkonsole Montage

Durch den Einsatz der Motorkonsole stehen dem Planer weitere konstruktive Möglichkeiten bei der Auslegung von Maschinen und Anlagen zur Verfügung. Die Motorkonsole ist so ausgelegt, dass sie in Verbindung mit allen PGR-Blokgehäusegetrieben in allen Bauformen kombiniert werden kann. Fünf Baugrößen decken alle Motor-Getriebekombinationen ab. Die jeweils möglichen Zuordnungen entnehmen Sie den Auswahl tabellen, die auch für die entsprechenden mehrstufigen Getriebeauführung Gültigkeit haben.

- Vorteile der PGR-Motorkonsole für den Anwender;

- * Leichte und variable Vibrationen dämpfende Konstruktion
- * Korrosionssichere Befestigungselemente
- * In allen Einbaupositionen einsetzbar
- * Leicht zu handhabende Höhenverstellung für optimale Riemenspannung
- * Motorkonsole mit Bohrungen für mehrere Motorbaugrößen
- * In alle Richtungen um 90° schwenkbar
- * Empfohlen für Situationen, in denen gemäß Auswahltable Übersetzungen $i=1,0$ sind

| Tip Type Typ | PSH 2050 PSH 2063 PSH 2080 | PSH 2100 | PSH 2125 | | | | |
|--------------------|----------------------------------|----------|------------|--|--|--|--|
| Motor | W III | W II | W III | | | | |
| 63 M | MK I | | | | | | |
| 71 M | MK I | | | | | | |
| 80 M | MK I | MK II | | | | | |
| 90 S 90 L | MK I | MK II | MK III - A | | | | |
| 100 L | MK I | MK II | MK III - A | | | | |
| 112 M | | MK II | MK III - A | | | | |
| 132 S 132 M | | | MK III - A | | | | |

** Ayarlanabilir mesafe (sınırlı)

** There is a limit distance for adjustment.

Motorkonsole mit Bohrungen für mehrere Motorbaugrößen

Motor platformu seçim örneği:

Öncelikle gerekli çıkış hız veya gerekli çıkış gücü ihtiyacına bağlı olarak kullanacağımız temel redüktör tipini belirlemeliyiz. Motorlu seçim tablolarında motor çıkış gücü ve tahvil oranına göre redüktör seçimi yapınız.

0,75 kW 17.3 d/dk, $i=78,83 \rightarrow$ PSH 2080 80M

Redüktör tipinin seçilmesinin ardından motor gövde büyüklüğü ve redüktör tipine bağlı tabloyu kullanarak motor platformu tipini (MK) tespit ediniz (Sayfa 53).

80M \rightarrow PSH 2080 \rightarrow MK1

MK1 tipi platforma göre motor gövde büyüklüğü satırını göz önüne alarak kayış tipi, ayar aralığı, kayış uzunluğu, 2 mil arası eksen mesafesi ve kayış sayısı bilgileri elde edilebilir. (Sayfa 55)

Example of motor platform selection:

First of all, we must determine the basic gearbox type we will use depending on the required output speed or the required output power requirement. In the motor selection tables, select the reducer according to the motor output power and bond ratio.

0,75 kW 17.3 min⁻¹, $i=78,83 \rightarrow$ PSH 2080 80M

After selecting the gearbox type, determine the motor platform type (MK) using the table depending on the motor body size and gearbox type (Page 53).

80M \rightarrow PSH 2080 \rightarrow MK1

Belt type, adjustment range, belt length, axis distance between 2 shafts and number of belts can be obtained by considering the motor body size line according to the Mk1 type platform. (Page 55)

Beispiel für die Auswahl der Motorkonsole:

Zunächst ist je nach geforderter Abtriebsdrehzahl bzw. geforderter Abtriebsleistung der zu verwendende Getriebetyp zu bestimmen. Wählen Sie in den Auswahl tabellen für Motoren das Getriebe entsprechend der Abtriebsleistung und dem Übersetzungsverhältnis.

0,75 kW 17.3 min⁻¹, $i=78,83 \rightarrow$ PSH 2080 80M

Nach Auswahl des Getriebetyps ermitteln Sie den Motorkonsolentyp (MK) anhand der Tabelle in Abhängigkeit von Motorbaugröße und Getriebetyp (Seite 53).

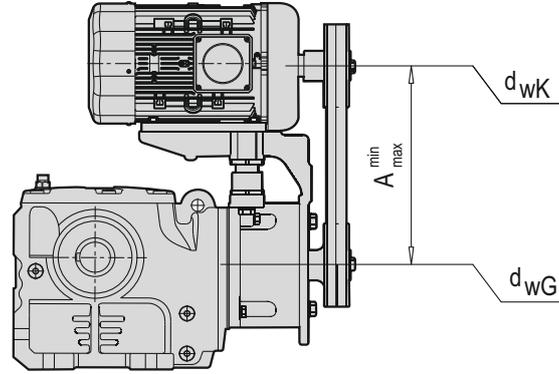
80M \rightarrow PSH 2080 \rightarrow MK1

Informationen zu Riementyp, Verstellbereich, Riemenlänge, Achsabstand zwischen 2 Wellen und Anzahl der Riemen können unter Berücksichtigung der Zeile für die Motorgröße gemäß dem MK1- Motorkonsolentyp ermittelt werden. (Seite 55)

TR V KAYIŞ VE KAYIŞ KASNAK SEÇİMİ

EN V BELT AND BELT PULLEY SELECTION

DE AUSWAHL VON V RIEMEN UND RIEMENSCHLEIBE



| | Motor | Çıkış Output Abtrieb (kW) | Ayar aralığı Adjustment range Einstellbereich | | Kayış uzunluğu Belt length Riemenlänge | Mil merkezi uzaklığı Shaft centre distance Wellenmittenabstand A | Kayış sayısı Number of belts Anzahl Riemen | |
|--|----------|------------------------------------|---|------------------|--|---|--|---|
| | | | A _{min} | A _{max} | | | | |
| MK I Kayış Tipi SPZ Belt type SPZ Riementyp SPZ | 63 M/4A | 0.12 | 216 | 236 | (d _{wg} = 80) (i = 1) L _w 697 | 223 | 1 | |
| | 63 M/4B | 0.18 | 216 | 236 | | 697 | 223 | 1 |
| | 71 M/4A | 0.25 | 224 | 244 | | 710 | 229 | 1 |
| | 71 M/4B | 0.37 | 224 | 244 | | 710 | 229 | 1 |
| | 80 M/4A | 0.55 | 233 | 253 | | 737 | 243 | 1 |
| | 80 M/4B | 0.75 | 233 | 253 | | 737 | 243 | 1 |
| | 90 S/4A | 1.10 | 243 | 263 | | 750 | 249 | 1 |
| | 90 L/4A | 1.50 | 243 | 263 | | 750 | 249 | 2 |
| | 100 L/4A | 2.20 | 253 | 273 | | 772 | 260 | 2 |
| | 100 L/4B | 3.00 | 253 | 273 | | 772 | 260 | 3 |
| MK II Kayış Tipi XPZ Belt type XPZ Riementyp SPZ | 80 M/4A | 0.55 | 279 | 304 | (d _{wg} = 112) (i = 1) L _w 930 | 289 | 1 | |
| | 80 M/4B | 0.75 | 279 | 304 | | 930 | 289 | 1 |
| | 90 S/4A | 1.10 | 289 | 314 | | 950 | 299 | 1 |
| | 90 L/4A | 1.50 | 289 | 314 | | 950 | 299 | 1 |
| | 100 L/4A | 2.20 | 299 | 324 | | 980 | 314 | 1 |
| | 100 L/4B | 3.00 | 299 | 324 | | 980 | 314 | 2 |
| MK III Kayış Tipi SPZ Belt type SPZ Riementyp SPZ | 90 S/4A | 1.10 | 344 | 376 | (d _{wg} = 160) (i = 1) L _w 1222 | 360 | 1 | |
| | 90 L/4B | 1.50 | 344 | 376 | | 1222 | 360 | 1 |
| | 100 L/4A | 2.20 | 354 | 386 | | 1250 | 374 | 1 |
| | 100 L/4B | 3.00 | 354 | 386 | | 1250 | 374 | 1 |
| | 112 M/4B | 4.00 | 366 | 398 | | 1262 | 380 | 2 |
| | 132 S/4C | 5.50 | 386 | 418 | | 1312 | 405 | 2 |
| | 132 M/4B | 7.50 | 386 | 418 | | 1312 | 405 | 3 |
| | 132 M/4 | 9.20 | 386 | 418 | | 1312 | 405 | 3 |
| MK IV Kayış Tipi XPA Belt type XPA Riementyp SPA | 112 M/4B | 4.00 | 427 | 467 | (d _{wg} = 200) (i = 1) L _w 1500 | 436 | 1 | |
| | 132 S/4C | 5.50 | 447 | 487 | | 1550 | 461 | 1 |
| | 132 M/4B | 7.50 | 447 | 487 | | 1550 | 461 | 2 |
| | 132 M/4 | 9.20 | 447 | 487 | | 1550 | 461 | 2 |
| | 160 M/4B | 11.0 | 475 | 515 | | 1600 | 486 | 2 |
| | 160 L/4A | 15.0 | 475 | 515 | | 1600 | 486 | 3 |

* Kayış kasnak aksesuarları PGR tarafından temin edilmemektedir.

*Belt pulley accessories are not provided by PGR.

*Riemenscheibenzubehör wird nicht von PGR geliefert.

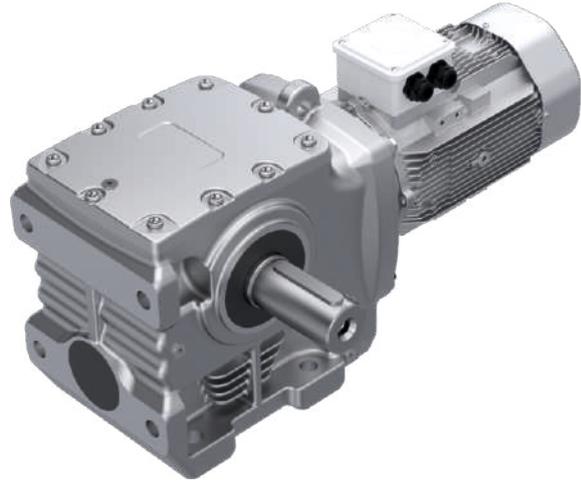


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Motorlu Seçim Tabloları

Selection Tables of
Geared motors

Auswahltabellen der
Getriebemotoren



PSH

TR TEKNİK AÇIKLAMALAR

EN TECHNICAL DESCRIPTIONS

DE TECHNISCHE BESCHREIBUNGEN

0.55 kW

Redüktör motor gücü
Gear unit motor power
Getriebemotorleistung

Motor gücü
Rated motor power
Motormennleistung

Çıkış devri
Output speed
Leistungsgeschwindigkeit

Çıkış momenti
Output torque
Abtriebsdrehmoment

Servis faktörü
Service factor
Betriebsfaktor

Tahvil oranı
Reduction ratio
Übersetzungsverhältnis

Ölçü sayfaları
Drawing pages
Zeichnungsseite

Ağırlık
Weight
Gewicht

Redüktör tipi
Gear unit motor type
Getriebetyp

| P ₁ [kW] | n ₂ [Min ⁻¹] | M ₂ [Nm] | f _B | i _{ges} | F _R [kN] | F _A [kN] | F _{R GR} [kN] | F _{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm |
|------------------------|--|------------------------|----------------|------------------|------------------------|------------------------|---------------------------|---------------------------|-------------------------------|-----|---------|
| 0.55 | 0.7 | 3782 | 0.8 | 2057.43 | - | - | - | - | PSH 3125 80M4B / 80M4C | 113 | 134-135 |
| | 0.8 | 3424 | 0.9 | 1862.28 | - | - | - | | | | |
| | 0.9 | 3073 | 1.0 | 1637.95 | - | - | - | | | | |
| | 0.9 | 2767 | 1.1 | 1475.08 | 27.0 | 21.0 | - | | | | |
| | 1.2 | 2293 | 1.3 | 1198.50 | 25.0 | 21.0 | 27.0 | | | | |
| | 1.5 | 1811 | 1.7 | 928.25 | 27.0 | 21.0 | 27.0 | | | | |
| | 1.8 | 1578 | 2.0 | 793.81 | 27.0 | 21.0 | 27.0 | | | | |

Müsaade edilebilir radyal yükler
Normal rulmanlarda
FR için listelenmiş değerlerde
FA = 0 (N) olarak hesaplanmıştır

Permissible radial force or load on output shaft while normal bearings are used. For this load FA is assumed equal zero. FA = 0 (N)

Die aufgeführten Werte für zulässige Radiallasten FR für Normallager werden mit FA = 0 (N) berechnet.

Müsaade edilebilir aksel yükler
Normal rulmanlarda
FA için listelenmiş değerlerde
FR = 0 (N) olarak hesaplanmıştır

Permissible axial force or load on output shaft while normal bearings are used. For this load FR is assumed equal zero. FR = 0 (N)

Die aufgeführten Werte für zulässige Axiallasten FA für Normallager werden mit FR = 0 (N) berechnet.

Müsaade edilebilir aksel yükler
Güçlendirilmiş rulmanlarda
FA için listelenmiş değerlerde
FR = 0 (N) olarak hesaplanmıştır

Permissible axial force on output shaft while reinforced bearings are used. For this load FR is assumed equal to zero. FR = 0 (N)

Die aufgeführten Werte für zulässige Axiallasten FA für verstärkte Lager werden mit FR = 0 (N) berechnet.

Müsaade edilebilir radyal yükler
Güçlendirilmiş rulmanlarda
FR için listelenmiş değerlerde
FA = 0 (N) olarak hesaplanmıştır

Permissible radial force or load on output shaft while reinforced bearings are used. For this load FA is assumed equal to zero. FA = 0 (N)

Die aufgeführten Werte für zulässige Radiallasten FR für verstärkte Lager werden mit FA = 0 (N) berechnet

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|---------------------------------|---|--|--|
| 0.12 | 0.2 | 2140 | 0.8 | 3735.56 | 16.0 | 12.0 | - | - | PSH 3100 63M6C / 63M6B | 65 | 126-127 |
| | 0.4 | 1290 | 1.3 | 2201.85 | 16.0 | 12.0 | - | - | | | |
| | 0.5 | 978 | 1.7 | 1670.37 | 16.0 | 12.0 | - | - | | | |
| | 0.6 | 902 | 1.9 | 1506.84 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 0.8 | 703 | 2.4 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 0.3 | 1750 | 0.9 | 4646.67 | - | - | - | - | PSH 3100 63M4A | 65 | 126-127 |
| | 0.4 | 1407 | 1.1 | 3735.56 | - | - | - | - | | | |
| | 0.6 | 847 | 1.9 | 2201.85 | - | - | - | - | | | |
| | 0.8 | 643 | 2.5 | 1670.37 | - | - | - | - | | | |
| | 0.9 | 592 | 2.7 | 1506.84 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 0.8 | 702 | 1.2 | 1199.07 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 3080 63M6C / 63M6B | 40 | 118-119 |
| | 0.9 | 560 | 1.4 | 955.78 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.1 | 482 | 1.7 | 805.70 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.3 | 422 | 1.9 | 705.97 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.4 | 378 | 2.1 | 631.62 | 8.0 | 9.0 | - | - | | | |
| | 1.7 | 332 | 2.4 | 543.06 | 8.0 | 9.0 | - | - | | | |
| | 1.9 | 294 | 2.7 | 481.23 | 8.0 | 9.0 | - | - | | | |
| | 2.2 | 339 | 2.4 | 402.93 | 8.0 | 9.0 | - | - | | | |
| | 2.6 | 285 | 2.6 | 339.66 | 8.0 | 9.0 | - | - | | | |
| | 3.0 | 254 | 2.5 | 297.62 | 8.0 | 9.0 | - | - | | | |
| | 3.4 | 227 | 2.6 | 266.27 | 8.0 | 9.0 | - | - | | | |
| | 4.6 | 190 | 2.5 | 193.65 | 8.0 | 9.0 | - | - | | | |
| | 5.5 | 160 | 2.5 | 163.25 | 8.0 | 9.0 | - | - | | | |
| | 6.3 | 140 | 2.5 | 143.04 | 8.0 | 9.0 | - | - | | | |
| | 7.0 | 127 | 2.5 | 127.97 | 8.0 | 9.0 | - | - | | | |
| | 8.2 | 109 | 2.5 | 110.03 | 8.0 | 9.0 | - | - | | | |
| | 9.2 | 97 | 2.5 | 97.50 | 8.0 | 9.0 | - | - | | | |
| | 0.5 | 979 | 0.8 | 2658.80 | - | - | - | - | PSH 3080 63M4A | 40 | 118-119 |
| | 0.7 | 775 | 1.0 | 2059.27 | - | - | - | - | | | |
| | 1.2 | 461 | 1.7 | 1199.07 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.5 | 368 | 2.1 | 955.78 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.7 | 317 | 2.4 | 805.70 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.0 | 283 | 2.7 | 705.97 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.2 | 253 | 3.0 | 631.62 | - | - | - | - | | | |
| | 1.4 | 393 | 1.9 | 656.63 | 10.0 | 9.0 | 13.0 | 12.0 | PSH 2080 63M6C / 63M6B | 34 | 114-115 |
| | 2.1 | 263 | 2.7 | 656.63 | 10.0 | 9.0 | 13.0 | 12.0 | PSH 2080 63M4A | 34 | 114-115 |
| | 1.2 | 442 | 0.9 | 738.56 | 4.0 | 4.0 | - | - | PSH 3063 63M6C / 63M6B | 26 | 110-111 |
| | 1.5 | 362 | 1.1 | 604.27 | 4.0 | 4.0 | - | - | | | |
| | 1.7 | 318 | 1.3 | 532.19 | 4.0 | 4.0 | - | - | | | |
| | 1.9 | 288 | 1.4 | 471.21 | 4.0 | 4.0 | - | - | | | |
| | 2.3 | 327 | 1.2 | 395.60 | 4.0 | 4.0 | - | - | | | |
| | 2.6 | 289 | 1.4 | 349.65 | 4.0 | 4.0 | - | - | | | |
| | 2.9 | 262 | 1.5 | 311.35 | 4.0 | 4.0 | - | - | | | |
| | 3.5 | 214 | 1.8 | 254.74 | 4.0 | 4.0 | - | - | | | |
| 4.0 | 189 | 2.1 | 224.36 | 4.0 | 4.0 | - | - | | | | |
| 4.5 | 167 | 2.3 | 198.65 | 4.0 | 4.0 | - | - | | | | |
| 5.0 | 171 | 2.1 | 178.60 | 4.0 | 4.0 | - | - | | | | |
| 6.2 | 141 | 2.5 | 146.13 | 4.0 | 4.0 | - | - | | | | |
| 7.0 | 125 | 2.5 | 128.70 | 4.0 | 4.0 | - | - | | | | |
| 7.9 | 110 | 2.5 | 113.95 | 4.0 | 4.0 | - | - | | | | |
| 9.3 | 95 | 2.5 | 97.18 | 4.0 | 4.0 | - | - | | | | |
| 11.3 | 84 | 2.5 | 79.65 | 4.0 | 4.0 | - | - | | | | |
| 13.8 | 69 | 2.6 | 65.17 | 4.0 | 4.0 | - | - | | | | |
| 1.5 | 361 | 1.1 | 938.40 | - | - | - | - | PSH 3063 63M4A | 26 | 110-111 | |
| 1.9 | 290 | 1.3 | 738.56 | - | - | - | - | | | | |
| 2.3 | 237 | 1.6 | 604.27 | - | - | - | - | | | | |
| 2.6 | 213 | 1.8 | 532.19 | - | - | - | - | | | | |
| 3.0 | 189 | 2.0 | 471.21 | - | - | - | - | | | | |
| 3.5 | 214 | 1.8 | 395.60 | - | - | - | - | | | | |
| 4.0 | 189 | 2.0 | 349.65 | - | - | - | - | | | | |
| 4.5 | 168 | 2.3 | 311.35 | - | - | - | - | | | | |
| 5.5 | 140 | 2.6 | 254.74 | - | - | - | - | | | | |
| 6.2 | 123 | 3.0 | 224.36 | - | - | - | - | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|---------------------------|-----------------------------------|--|--|
| 0.12 | 1.4 | 375 | 1.0 | 626.57 | 7.0 | 8.0 | 10.0 | 10.0 | PSH 2063 63M6C / 63M6B | 24 | 106-107 |
| | 1.7 | 317 | 1.2 | 529.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | |
| | 1.9 | 284 | 1.3 | 464.67 | 8.0 | 8.0 | 10.0 | 10.0 | | | |
| | 3.4 | 222 | 1.7 | 264.14 | 8.0 | 8.0 | 10.0 | 10.0 | | | |
| | 4.0 | 187 | 2.0 | 223.06 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 4.6 | 167 | 2.3 | 195.89 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 4.9 | 122 | 2.8 | 183.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 5.5 | 107 | 3.0 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 2.2 | 246 | 1.5 | 626.57 | 7.0 | 8.0 | 10.0 | 10.0 | PSH 2063 63M4A | 24 | 106-107 |
| | 2.6 | 212 | 1.7 | 529.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | |
| | 3.0 | 186 | 1.9 | 464.67 | 8.0 | 8.0 | 10.0 | 10.0 | | | |
| | 5.3 | 145 | 2.4 | 264.14 | 8.0 | 8.0 | 10.0 | 10.0 | | | |
| | 6.3 | 122 | 2.9 | 223.06 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 2.2 | 252 | 0.8 | 412.72 | 4.0 | 8.0 | - | - | PSH 3050 63M6C / 63M6B | 25 | 102-103 |
| | 3.1 | 246 | 0.8 | 292.73 | 4.0 | 8.0 | - | - | | | |
| | 4.3 | 178 | 1.1 | 209.09 | 4.0 | 8.0 | - | - | | | |
| | 4.9 | 155 | 1.3 | 182.08 | 5.0 | 8.0 | - | - | | | |
| | 5.7 | 155 | 1.3 | 158.10 | 5.0 | 8.0 | - | - | | | |
| | 6.5 | 136 | 1.5 | 138.77 | 5.0 | 8.0 | - | - | | | |
| | 7.3 | 120 | 1.7 | 122.67 | 5.0 | 8.0 | - | - | | | |
| | 9.1 | 98 | 2.0 | 99.12 | 5.0 | 8.0 | - | - | | | |
| | 10.4 | 86 | 2.2 | 86.32 | 5.0 | 8.0 | - | - | | | |
| | 11.8 | 81 | 1.8 | 76.58 | 5.0 | 8.0 | - | - | | | |
| | 13.4 | 71 | 1.9 | 67.22 | 5.0 | 8.0 | - | - | | | |
| | 15.1 | 63 | 2.2 | 59.42 | 5.0 | 8.0 | - | - | | | |
| | 18.7 | 51 | 2.3 | 48.01 | 5.0 | 8.0 | - | - | | | |
| | 21.5 | 45 | 2.6 | 41.81 | 5.0 | 8.0 | - | - | | | |
| | 2.4 | 230 | 0.8 | 586.50 | 4.0 | 8.0 | 6.0 | 8.0 | | | |
| | 3.0 | 190 | 1.0 | 473.94 | - | - | - | - | | | |
| | 3.4 | 166 | 1.2 | 412.72 | - | - | - | - | | | |
| | 4.2 | 183 | 1.1 | 333.50 | - | - | - | - | | | |
| | 4.8 | 161 | 1.2 | 292.73 | - | - | - | - | | | |
| | 6.7 | 116 | 1.7 | 209.09 | - | - | - | - | | | |
| | 7.7 | 101 | 1.9 | 182.08 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 8.9 | 101 | 1.9 | 158.10 | - | - | - | - | | | |
| | 10.1 | 89 | 2.2 | 138.77 | - | - | - | - | | | |
| | 11.4 | 78 | 2.5 | 122.67 | - | - | - | - | | | |
| | 14.1 | 63 | 3.0 | 99.12 | - | - | - | - | | | |
| | 18.3 | 52 | 2.7 | 76.58 | - | - | - | - | | | |
| | 20.8 | 46 | 2.8 | 67.22 | - | - | - | - | | | |
| | 2.3 | 236 | 0.8 | 385.33 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 63M6C / 63M6B | 19 | 98-99 |
| | 3.9 | 197 | 1.0 | 231.43 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 4.6 | 166 | 1.2 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 5.3 | 145 | 1.3 | 170.00 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 6.1 | 98 | 1.9 | 147.90 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 6.9 | 86 | 2.1 | 129.82 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 7.8 | 77 | 2.3 | 114.75 | 4.0 | 3.0 | 6.0 | 8.0 | | | |
| | 9.7 | 64 | 2.8 | 92.73 | 4.0 | 3.0 | 6.0 | 8.0 | | | |
| 13.8 | 58 | 3.0 | 65.25 | 4.0 | 3.0 | 6.0 | 8.0 | | | | |
| 2.7 | 210 | 0.9 | 524.57 | 4.0 | 8.0 | 6.0 | 8.0 | PSH 2050 63M4A | 19 | 98-99 | |
| 3.2 | 176 | 1.0 | 439.88 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 3.6 | 158 | 1.2 | 385.33 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 6.0 | 127 | 1.5 | 231.43 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 7.2 | 108 | 1.7 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 8.2 | 95 | 2.0 | 170.00 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 9.5 | 65 | 2.7 | 147.90 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 10.8 | 58 | 2.9 | 129.82 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|---|---|---------------------------------|----|-------|
| 0.12 | 7.0 | 110 | 1.0 | 128.70 | 4.0 | 4.0 | - | - | PSH 2040 63M6C / 63M6B | 15 | 94-95 | | | |
| | 7.8 | 75 | 1.3 | 115.23 | 4.0 | 4.0 | - | - | | | | | | |
| | 8.9 | 86 | 1.2 | 100.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 9.0 | 66 | 1.5 | 99.45 | 4.0 | 4.0 | - | - | | | | | | |
| | 10.4 | 58 | 1.6 | 86.86 | 4.0 | 4.0 | - | - | | | | | | |
| | 11.8 | 52 | 1.7 | 76.38 | 4.0 | 4.0 | - | - | | | | | | |
| | 13.3 | 46 | 1.9 | 67.50 | 4.0 | 4.0 | - | - | | | | | | |
| | 15.1 | 59 | 1.8 | 59.80 | 4.0 | 4.0 | - | - | | | | | | |
| | 17.3 | 36 | 2.3 | 52.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 19.2 | 46 | 2.3 | 46.77 | 4.0 | 4.0 | - | - | | | | | | |
| | 20.0 | 32 | 2.7 | 45.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 21.4 | 38 | 2.4 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 24.5 | 33 | 2.6 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 27.9 | 29 | 2.8 | 32.31 | 4.0 | 4.0 | - | - | | | | | | |
| | 31.5 | 26 | 3.0 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 4.6 | 122 | 0.8 | 304.20 | 3.0 | 4.0 | - | - | | | | PSH 2040 63M4A | 15 | 94-95 |
| | 5.9 | 97 | 1.0 | 237.90 | 3.0 | 4.0 | - | - | | | | | | |
| | 10.9 | 72 | 1.4 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 12.1 | 50 | 1.9 | 115.23 | 4.0 | 4.0 | - | - | | | | | | |
| | 13.9 | 56 | 1.8 | 100.65 | - | - | - | - | | | | | | |
| 14.1 | 44 | 2.1 | 99.45 | 4.0 | 4.0 | - | - | | | | | | | |
| 16.1 | 38 | 2.3 | 86.86 | 4.0 | 4.0 | - | - | | | | | | | |
| 18.3 | 34 | 2.5 | 76.38 | 4.0 | 4.0 | - | - | | | | | | | |
| 20.7 | 31 | 2.7 | 67.50 | 4.0 | 4.0 | - | - | | | | | | | |
| 23.4 | 38 | 2.6 | 59.80 | 4.0 | 4.0 | - | - | | | | | | | |
| 0.18 | 0.3 | 3157 | 1.0 | 3442.96 | 27.0 | 21.0 | - | - | PSH 3125 71M6B / 71M6A | 111 | 134-135 | | | |
| | 0.4 | 2317 | 1.4 | 2527.75 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.4 | 1886 | 1.7 | 2057.43 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.5 | 1707 | 1.9 | 1862.28 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.5 | 1533 | 2.1 | 1637.95 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.6 | 1381 | 2.4 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.8 | 1122 | 2.9 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.4 | 1935 | 0.9 | 2201.85 | 16.0 | 12.0 | - | - | PSH 3100 71M6B / 71M6A | 68 | 126-127 | | | |
| | 0.5 | 1468 | 1.1 | 1670.37 | 16.0 | 12.0 | - | - | | | | | | |
| | 0.6 | 1353 | 1.2 | 1506.84 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 0.8 | 1054 | 1.6 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.4 | 618 | 2.7 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 0.4 | 2110 | 0.8 | 3735.56 | - | - | - | - | PSH 3100 63M4B | 65 | 126-127 | | | |
| | 0.6 | 1271 | 1.3 | 2201.85 | - | - | - | - | | | | | | |
| | 0.8 | 964 | 1.6 | 1670.37 | - | - | - | - | | | | | | |
| | 0.9 | 888 | 1.8 | 1506.84 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.2 | 692 | 2.3 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 0.6 | 1341 | 0.9 | 4646.67 | 16.0 | 12.0 | - | - | PSH 3100 63M2A | 65 | 126-127 | | | |
| | 0.7 | 1078 | 1.1 | 3735.56 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.3 | 649 | 1.9 | 2201.85 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.7 | 492 | 2.5 | 1670.37 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.9 | 453 | 2.7 | 1506.84 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.4 | 604 | 2.5 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 71M6B / 71M6A | 59 | 122-123 | | | |
| | 0.8 | 1054 | 0.8 | 1199.07 | 7.0 | 9.0 | 12.0 | 12.0 | PSH 3080 71M6B / 71M6A | 43 | 118-119 | | | |
| | 0.9 | 840 | 1.0 | 955.78 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 1.1 | 723 | 1.1 | 805.70 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 1.3 | 634 | 1.3 | 705.97 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 1.4 | 567 | 1.4 | 631.62 | 8.0 | 9.0 | - | - | | | | | | |
| | 1.7 | 498 | 1.6 | 543.06 | 8.0 | 9.0 | - | - | | | | | | |
| | 1.9 | 441 | 1.8 | 481.23 | 8.0 | 9.0 | - | - | | | | | | |
| 2.2 | 508 | 1.6 | 402.93 | 8.0 | 9.0 | - | - | | | | | | | |
| 2.6 | 428 | 1.7 | 339.66 | 8.0 | 9.0 | - | - | | | | | | | |
| 3.0 | 381 | 1.7 | 297.62 | 8.0 | 9.0 | - | - | | | | | | | |
| 3.4 | 341 | 1.8 | 266.27 | 8.0 | 9.0 | - | - | | | | | | | |
| 3.9 | 293 | 2.0 | 228.94 | 8.0 | 9.0 | - | - | | | | | | | |
| 4.6 | 285 | 1.7 | 193.65 | 8.0 | 9.0 | - | - | | | | | | | |
| 5.5 | 240 | 1.7 | 163.25 | 8.0 | 9.0 | - | - | | | | | | | |
| 6.3 | 210 | 1.7 | 143.04 | 8.0 | 9.0 | - | - | | | | | | | |
| 7.0 | 191 | 1.7 | 127.97 | 8.0 | 9.0 | - | - | | | | | | | |
| 8.2 | 164 | 1.7 | 110.03 | 8.0 | 9.0 | - | - | | | | | | | |
| 9.2 | 145 | 1.7 | 97.50 | 8.0 | 9.0 | - | - | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  | |
|---------------|-------------------------------|---------------|-------|-----------|---------------|---------------|-------------------|-------------------|-------------------------------|---|---|---------|
| 0.18 | 1.2 | 692 | 1.1 | 1199.07 | 7.0 | 9.0 | 12.0 | 12.0 | PSH 3080 63M4B | 40 | 118-119 | |
| | 1.5 | 552 | 1.4 | 955.78 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 1.7 | 475 | 1.6 | 805.70 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 2.0 | 425 | 1.8 | 705.97 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 2.2 | 380 | 2.0 | 631.62 | - | - | - | - | | | | |
| | 2.6 | 333 | 2.3 | 543.06 | - | - | - | - | | | | |
| | 2.9 | 295 | 2.6 | 481.23 | - | - | - | - | | | | |
| | 3.5 | 331 | 2.3 | 402.93 | - | - | - | - | | | | |
| | 4.1 | 284 | 2.5 | 339.66 | - | - | - | - | | | | |
| | 4.7 | 248 | 2.5 | 297.62 | - | - | - | - | | | | |
| | 5.3 | 222 | 2.6 | 266.27 | - | - | - | - | | | | |
| | 6.1 | 194 | 2.9 | 228.94 | - | - | - | - | | | | |
| | 7.2 | 185 | 2.4 | 193.65 | - | - | - | - | | | | |
| | 8.6 | 156 | 2.4 | 163.25 | - | - | - | - | | | | |
| | 9.8 | 137 | 2.5 | 143.04 | - | - | - | - | | | | |
| | 10.9 | 124 | 2.4 | 127.97 | - | - | - | - | | | | |
| | 12.7 | 107 | 2.4 | 110.03 | - | - | - | - | | | | |
| | 14.4 | 95 | 2.4 | 97.50 | - | - | - | - | | | | |
| | | 1.1 | 751 | 0.8 | 2658.80 | 7.0 | 9.0 | - | - | PSH 3080 63M2A | 40 | 118-119 |
| | | 1.4 | 594 | 1.0 | 2059.27 | 7.0 | 9.0 | - | - | | | |
| | | 2.3 | 353 | 1.7 | 1199.07 | 7.0 | 9.0 | 12.0 | 12.0 | | | |
| | | 2.9 | 282 | 2.1 | 955.78 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 3.5 | 242 | 2.4 | 805.70 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 4.0 | 217 | 2.7 | 705.97 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 4.4 | 194 | 3.0 | 631.62 | 8.0 | 9.0 | - | - | | | |
| | | 1.4 | 589 | 1.3 | 656.63 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 2080 71M6B / 71M6A | 37 | 114-115 |
| | | 1.7 | 477 | 1.6 | 520.20 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 2.2 | 377 | 2.0 | 402.90 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 3.3 | 354 | 2.1 | 276.81 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 2.1 | 395 | 1.8 | 656.63 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 2080 63M4B | 34 | 114-115 |
| | | 4.3 | 202 | 2.7 | 656.63 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 2080 63M2A | 34 | 114-115 |
| | | 1.7 | 478 | 0.8 | 532.19 | 4.0 | 4.0 | - | - | PSH 3063 71M6B / 71M6A | 29 | 110-111 |
| | | 1.9 | 432 | 0.9 | 471.21 | 4.0 | 4.0 | - | - | | | |
| | | 2.3 | 491 | 0.8 | 395.60 | 4.0 | 4.0 | - | - | | | |
| | | 2.6 | 434 | 0.9 | 349.65 | 4.0 | 4.0 | - | - | | | |
| | | 2.9 | 392 | 1.0 | 311.35 | 4.0 | 4.0 | - | - | | | |
| | | 3.5 | 321 | 1.2 | 254.74 | 4.0 | 4.0 | - | - | | | |
| | | 4.0 | 283 | 1.4 | 224.36 | 4.0 | 4.0 | - | - | | | |
| | | 4.5 | 250 | 1.5 | 198.65 | 4.0 | 4.0 | - | - | | | |
| | | 5.0 | 256 | 1.4 | 178.60 | 4.0 | 4.0 | - | - | | | |
| | | 6.2 | 212 | 1.6 | 146.13 | 4.0 | 4.0 | - | - | | | |
| | | 7.0 | 187 | 1.7 | 128.70 | 4.0 | 4.0 | - | - | | | |
| | | 7.9 | 165 | 1.7 | 113.95 | 4.0 | 4.0 | - | - | | | |
| | | 9.3 | 143 | 1.7 | 97.18 | 4.0 | 4.0 | - | - | | | |
| | | 11.3 | 126 | 1.7 | 79.65 | 4.0 | 4.0 | - | - | | | |
| | | 13.8 | 103 | 1.7 | 65.17 | 4.0 | 4.0 | - | - | | | |
| | 1.9 | 435 | 0.9 | 738.56 | - | - | - | - | PSH 3063 63M4B | 26 | 110-111 | |
| | 2.3 | 356 | 1.1 | 604.27 | - | - | - | - | | | | |
| | 2.6 | 320 | 1.2 | 532.19 | - | - | - | - | | | | |
| | 3.0 | 284 | 1.3 | 471.21 | - | - | - | - | | | | |
| | 3.5 | 321 | 1.2 | 395.60 | - | - | - | - | | | | |
| | 4.0 | 283 | 1.3 | 349.65 | - | - | - | - | | | | |
| | 4.5 | 252 | 1.5 | 311.35 | - | - | - | - | | | | |
| | 5.5 | 210 | 1.8 | 254.74 | - | - | - | - | | | | |
| | 6.2 | 185 | 2.0 | 224.36 | - | - | - | - | | | | |
| | 7.0 | 166 | 2.2 | 198.65 | - | - | - | - | | | | |
| | 7.8 | 167 | 2.0 | 178.60 | - | - | - | - | | | | |
| | 9.6 | 138 | 2.4 | 146.13 | - | - | - | - | | | | |
| | 10.9 | 122 | 2.5 | 128.70 | 4.0 | 4.0 | - | - | | | | |
| | 12.3 | 108 | 2.4 | 113.95 | - | - | - | - | | | | |
| | 14.4 | 93 | 2.5 | 97.18 | - | - | - | - | | | | |
| | 17.6 | 82 | 2.4 | 79.65 | - | - | - | - | | | | |
| | 21.5 | 67 | 2.5 | 65.17 | - | - | - | - | | | | |
| | | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|-------------------|-----------------------------------|--|--|-----------------------------------|----|---------|
| 0.18 | 3.0 | 277 | 1.0 | 938.40 | 4.0 | 4.0 | - | - | PSH 3063 63M2A | 26 | 110-111 | | | |
| | 3.8 | 222 | 1.3 | 738.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 4.6 | 182 | 1.6 | 604.27 | 4.0 | 4.0 | - | - | | | | | | |
| | 5.3 | 163 | 1.8 | 532.19 | 4.0 | 4.0 | - | - | | | | | | |
| | 5.9 | 145 | 2.0 | 471.21 | 4.0 | 4.0 | - | - | | | | | | |
| | 7.1 | 163 | 1.8 | 395.60 | 4.0 | 4.0 | - | - | | | | | | |
| | 8.0 | 144 | 2.0 | 349.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 9.0 | 128 | 2.3 | 311.35 | 4.0 | 4.0 | - | - | | | | | | |
| | 11.0 | 106 | 2.6 | 254.74 | 4.0 | 4.0 | - | - | | | | | | |
| | 12.5 | 94 | 3.0 | 224.36 | 4.0 | 4.0 | - | - | | | | | | |
| | 1.7 | 475 | 0.8 | 529.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | | PSH 2063 71M6B / 71M6A | 27 | 110-111 |
| | 1.9 | 426 | 0.9 | 464.67 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 2.2 | 379 | 1.0 | 413.10 | 7.0 | 8.0 | - | - | | | | | | |
| | 3.4 | 333 | 1.1 | 264.14 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 4.0 | 281 | 1.3 | 223.06 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 4.6 | 251 | 1.5 | 195.89 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 4.9 | 182 | 1.9 | 182.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 5.5 | 161 | 2.0 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 6.2 | 146 | 2.2 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 7.6 | 122 | 2.5 | 118.23 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 8.6 | 109 | 2.8 | 104.13 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 2.2 | 369 | 1.0 | 626.57 | 6.0 | 8.0 | 10.0 | 10.0 | PSH 2063 63M4B | 24 | 110-111 | | | |
| | 2.6 | 318 | 1.1 | 529.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 3.0 | 280 | 1.3 | 464.67 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 5.3 | 217 | 1.6 | 264.14 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 6.3 | 184 | 2.0 | 223.06 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 7.1 | 164 | 2.2 | 195.89 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 7.6 | 122 | 2.7 | 183.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 8.6 | 110 | 2.8 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 9.7 | 99 | 3.0 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 4.5 | 188 | 1.5 | 626.57 | 6.0 | 8.0 | 10.0 | 10.0 | PSH 2063 63M2A | 24 | 110-111 | | | |
| | 5.3 | 162 | 1.7 | 529.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 6.0 | 143 | 1.9 | 464.67 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 10.6 | 110 | 2.4 | 264.14 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 12.6 | 93 | 2.9 | 223.06 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 4.3 | 268 | 0.8 | 209.09 | 4.0 | 8.0 | - | - | PSH 3050 71M6B / 71M6A | 28 | 102-103 | | | |
| | 4.9 | 233 | 0.9 | 182.08 | 5.0 | 8.0 | 6.0 | 6.0 | | | | | | |
| | 5.7 | 233 | 0.9 | 158.10 | 5.0 | 8.0 | - | - | | | | | | |
| | 6.5 | 204 | 1.0 | 138.77 | 5.0 | 8.0 | - | - | | | | | | |
| | 7.3 | 180 | 1.1 | 122.67 | 5.0 | 8.0 | - | - | | | | | | |
| | 9.1 | 148 | 1.4 | 99.12 | 5.0 | 8.0 | - | - | | | | | | |
| | 10.4 | 129 | 1.5 | 86.32 | 5.0 | 8.0 | - | - | | | | | | |
| | 11.8 | 121 | 1.2 | 76.58 | 5.0 | 8.0 | - | - | | | | | | |
| | 13.4 | 107 | 1.3 | 67.22 | 5.0 | 8.0 | - | - | | | | | | |
| | 15.1 | 94 | 1.4 | 59.42 | 5.0 | 8.0 | - | - | | | | | | |
| | 18.7 | 76 | 1.5 | 48.01 | 5.0 | 8.0 | - | - | | | | | | |
| | 21.5 | 67 | 1.7 | 41.81 | 5.0 | 8.0 | - | - | | | | | | |
| | 3.4 | 248 | 0.8 | 412.72 | - | - | - | - | PSH 3050 63M4B | 25 | 102-103 | | | |
| 4.8 | 241 | 0.8 | 292.73 | - | - | - | - | | | | | | | |
| 6.7 | 175 | 1.1 | 209.09 | - | - | - | - | | | | | | | |
| 7.7 | 152 | 1.3 | 182.08 | 5.0 | 8.0 | 6.0 | 6.0 | | | | | | | |
| 8.9 | 151 | 1.3 | 158.10 | - | - | - | - | | | | | | | |
| 10.1 | 133 | 1.5 | 138.77 | - | - | - | - | | | | | | | |
| 11.4 | 117 | 1.7 | 122.67 | - | - | - | - | | | | | | | |
| 14.1 | 95 | 2.0 | 99.12 | - | - | - | - | | | | | | | |
| 16.2 | 84 | 2.1 | 86.32 | - | - | - | - | | | | | | | |
| 18.3 | 78 | 1.8 | 76.58 | - | - | - | - | | | | | | | |
| 20.8 | 69 | 1.9 | 67.22 | - | - | - | - | | | | | | | |
| 23.6 | 61 | 2.1 | 59.42 | - | - | - | - | | | | | | | |
| 29.2 | 50 | 2.2 | 48.01 | - | - | - | - | | | | | | | |
| 33.5 | 43 | 2.6 | 41.81 | - | - | - | - | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|---------------------------|-------------------------------|--|--|
| 0.18 | 4.8 | 176 | 0.8 | 586.50 | 4.0 | 8.0 | - | - | PSH 3050 63M2A | 25 | 102-103 |
| | 5.9 | 145 | 1.0 | 473.94 | 4.0 | 8.0 | - | - | | | |
| | 6.8 | 127 | 1.2 | 412.72 | 4.0 | 8.0 | - | - | | | |
| | 8.4 | 139 | 1.1 | 333.50 | 4.0 | 8.0 | - | - | | | |
| | 9.6 | 122 | 1.2 | 292.73 | 4.0 | 8.0 | - | - | | | |
| | 13.4 | 89 | 1.7 | 209.09 | 4.0 | 8.0 | - | - | | | |
| | 15.4 | 77 | 1.9 | 182.08 | 5.0 | 8.0 | 6.0 | 6.0 | | | |
| | 17.7 | 77 | 1.9 | 158.10 | 5.0 | 8.0 | - | - | | | |
| | 20.2 | 67 | 2.2 | 138.77 | 5.0 | 8.0 | - | - | | | |
| | 22.8 | 59 | 2.5 | 122.67 | 5.0 | 8.0 | - | - | | | |
| | 28.2 | 48 | 3.0 | 99.12 | 5.0 | 8.0 | - | - | | | |
| | 36.6 | 39 | 2.7 | 76.58 | 5.0 | 8.0 | - | - | | | |
| | 41.7 | 35 | 2.8 | 67.22 | 5.0 | 8.0 | - | - | | | |
| | 4.6 | 248 | 0.8 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 71M6B / 71M6A | 22 | 98-99 |
| | 5.3 | 218 | 0.9 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 6.1 | 147 | 1.3 | 147.90 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 6.9 | 129 | 1.4 | 129.82 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 7.8 | 116 | 1.5 | 114.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 9.7 | 96 | 1.8 | 92.73 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 11.1 | 85 | 2.1 | 80.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 13.8 | 87 | 2.0 | 65.25 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 15.7 | 77 | 2.3 | 57.27 | 4.0 | 8.0 | 6.0 | 8.0 | | | |
| | 17.8 | 69 | 2.4 | 50.63 | 4.0 | 8.0 | 6.0 | 8.0 | | | |
| | 22.0 | 56 | 2.9 | 40.91 | 4.0 | 8.0 | 8.0 | 8.0 | | | |
| | 3.6 | 237 | 0.8 | 385.33 | - | - | 6.0 | 8.0 | | | |
| | 6.0 | 190 | 1.0 | 231.43 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 7.2 | 162 | 1.1 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 8.2 | 142 | 1.3 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 9.5 | 98 | 1.8 | 147.90 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 10.8 | 88 | 1.9 | 129.82 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 12.2 | 79 | 2.1 | 114.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 15.1 | 65 | 2.6 | 92.73 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 17.3 | 58 | 2.9 | 80.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 21.5 | 58 | 2.9 | 65.25 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 5.3 | 161 | 0.9 | 524.57 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 63M2A | 19 | 98-99 |
| | 6.4 | 135 | 1.0 | 439.88 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 7.3 | 121 | 1.2 | 385.33 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 12.1 | 97 | 1.5 | 231.43 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 14.4 | 82 | 1.7 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 16.5 | 72 | 2.0 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 18.9 | 50 | 2.7 | 147.90 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 21.6 | 45 | 2.9 | 129.82 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| 7.8 | 112 | 0.9 | 115.23 | 4.0 | 4.0 | - | - | PSH 2040 71M6B / 71M6A | 18 | 94-95 | |
| 8.9 | 129 | 0.8 | 100.65 | 4.0 | 4.0 | - | - | | | | |
| 9.0 | 99 | 1.0 | 99.45 | 4.0 | 4.0 | - | - | | | | |
| 10.4 | 86 | 1.1 | 86.86 | 4.0 | 4.0 | - | - | | | | |
| 11.8 | 77 | 1.2 | 76.38 | 4.0 | 4.0 | - | - | | | | |
| 13.3 | 70 | 1.2 | 67.50 | 4.0 | 4.0 | - | - | | | | |
| 15.1 | 89 | 1.2 | 59.80 | 4.0 | 4.0 | - | - | | | | |
| 17.3 | 55 | 1.6 | 52.00 | 4.0 | 4.0 | - | - | | | | |
| 19.2 | 70 | 1.5 | 46.77 | 4.0 | 4.0 | - | - | | | | |
| 20.0 | 48 | 1.8 | 45.00 | 3.0 | 4.0 | - | - | | | | |
| 21.4 | 56 | 1.6 | 42.08 | 4.0 | 4.0 | - | - | | | | |
| 24.5 | 49 | 1.7 | 36.75 | 4.0 | 4.0 | - | - | | | | |
| 27.9 | 44 | 1.9 | 32.31 | 4.0 | 4.0 | - | - | | | | |
| 31.5 | 39 | 2.0 | 28.56 | 4.0 | 4.0 | - | - | | | | |
| 40.9 | 30 | 2.5 | 22.00 | 3.0 | 4.0 | - | - | | | | |
| 46.0 | 30 | 2.8 | 19.55 | 3.0 | 4.0 | - | - | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---|---|-----------|-----------|---|----|---------|
| 0.18 | 10.9 | 107 | 0.9 | 128.70 | 4.0 | 4.0 | - | - | PSH 2040 63M4B | 15 | 94-95 | | | |
| | 12.1 | 75 | 1.3 | 115.23 | 4.0 | 4.0 | - | - | | | | | | |
| | 13.9 | 84 | 1.2 | 100.65 | - | - | - | - | | | | | | |
| | 14.1 | 66 | 1.4 | 99.45 | 4.0 | 4.0 | - | - | | | | | | |
| | 16.1 | 58 | 1.5 | 86.86 | 4.0 | 4.0 | - | - | | | | | | |
| | 18.3 | 52 | 1.6 | 76.38 | 4.0 | 4.0 | - | - | | | | | | |
| | 20.7 | 46 | 1.8 | 67.50 | 4.0 | 4.0 | - | - | | | | | | |
| | 23.4 | 57 | 1.7 | 59.80 | 4.0 | 4.0 | - | - | | | | | | |
| | 26.9 | 37 | 2.2 | 52.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 29.9 | 45 | 2.2 | 46.77 | 4.0 | 4.0 | - | - | | | | | | |
| | 31.1 | 33 | 2.5 | 45.00 | - | - | - | - | | | | | | |
| | 33.3 | 37 | 2.3 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 38.1 | 32 | 2.5 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 43.3 | 29 | 2.7 | 32.31 | 4.0 | 4.0 | - | - | | | | | | |
| | 49.0 | 26 | 2.9 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 9.2 | 93 | 0.8 | 304.20 | 4.0 | 4.0 | - | - | | | | PSH 2040 63M2A | 15 | 94-95 |
| | 11.8 | 74 | 1.0 | 237.90 | 4.0 | 4.0 | - | - | | | | | | |
| | 21.8 | 55 | 1.4 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 24.3 | 38 | 1.9 | 115.23 | 4.0 | 4.0 | - | - | | | | | | |
| | 27.8 | 43 | 1.8 | 100.65 | 4.0 | 4.0 | - | - | | | | | | |
| 28.2 | 34 | 2.1 | 99.45 | 4.0 | 4.0 | - | - | | | | | | | |
| 32.2 | 29 | 2.3 | 86.86 | 4.0 | 4.0 | - | - | | | | | | | |
| 36.7 | 26 | 2.5 | 76.38 | 4.0 | 4.0 | - | - | | | | | | | |
| 41.5 | 24 | 2.6 | 67.50 | 4.0 | 4.0 | - | - | | | | | | | |
| 46.8 | 29 | 2.6 | 59.80 | 4.0 | 4.0 | - | - | | | | | | | |
| 0.25 | 0.4 | 3219 | 1.0 | 2527.75 | 27.0 | 21.0 | - | - | PSH 3125 71M6C / 71M6D | 111 | 134-135 | | | |
| | 0.4 | 2620 | 1.2 | 2057.43 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.5 | 2371 | 1.4 | 1862.28 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.5 | 2129 | 1.5 | 1637.95 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.6 | 1917 | 1.7 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.8 | 1558 | 2.1 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.4 | 2818 | 1.1 | 3442.96 | - | - | - | - | PSH 3125 71M4A / 71M4B | 111 | 134-135 | | | |
| | 0.6 | 2112 | 1.5 | 2527.75 | - | - | - | - | | | | | | |
| | 0.7 | 1719 | 1.8 | 2057.43 | - | - | - | - | | | | | | |
| | 0.8 | 1556 | 2.0 | 1862.28 | - | - | - | - | | | | | | |
| | 0.9 | 1397 | 2.2 | 1637.95 | - | - | - | - | | | | | | |
| | 0.9 | 1258 | 2.5 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.2 | 1042 | 3.0 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.5 | 2038 | 0.8 | 1670.37 | 16.0 | 12.0 | - | - | | | | PSH 3100 71M6C / 71M6D | 68 | 126-127 |
| | 0.6 | 1879 | 0.9 | 1506.84 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 0.8 | 1464 | 1.1 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.4 | 858 | 1.9 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.7 | 689 | 2.4 | 519.44 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.9 | 622 | 2.7 | 468.59 | 16.0 | 12.0 | - | - | | | | | | |
| | 0.6 | 1765 | 0.9 | 2201.85 | - | - | - | - | PSH 3100 71M4A / 71M4B | 68 | 126-127 | | | |
| | 0.8 | 1339 | 1.2 | 1670.37 | - | - | - | - | | | | | | |
| | 0.9 | 1233 | 1.3 | 1506.84 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 1.2 | 961 | 1.7 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 2.1 | 574 | 2.8 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 0.7 | 1497 | 0.8 | 3735.56 | 16.0 | 12.0 | - | - | | | | PSH 3100 63M2B | 65 | 126-127 |
| | 1.3 | 901 | 1.3 | 2201.85 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.7 | 684 | 1.8 | 1670.37 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.9 | 630 | 1.9 | 1506.84 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 2.4 | 490 | 2.5 | 1173.93 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| 1.4 | 838 | 1.8 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 71M6C / 71M6D | 59 | 122-123 | | | | |
| 2.2 | 561 | 2.5 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 71M4A / 71M4B | 59 | 122-123 | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | $F_{R GR}$ [kN] | $F_{A GR}$ [kN] | Tip / Type / Typ IE2 / IE3 |  |  |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|--------------------|--------------------|-----------------------------------|---|---|
| 0.25 | 1.1 | 1005 | 0.8 | 805.70 | 7.0 | 9.0 | 12.0 | 13.0 | PSH 3080 71M6C / 71M6D | 43 | 118-119 |
| | 1.3 | 880 | 0.9 | 705.97 | 8.0 | 9.0 | 13.0 | 13.0 | | | |
| | 1.4 | 788 | 1.0 | 631.62 | 8.0 | 9.0 | - | - | | | |
| | 1.7 | 691 | 1.2 | 543.06 | 8.0 | 9.0 | - | - | | | |
| | 1.9 | 613 | 1.3 | 481.23 | 8.0 | 9.0 | - | - | | | |
| | 2.2 | 705 | 1.1 | 402.93 | 8.0 | 9.0 | - | - | | | |
| | 2.6 | 595 | 1.2 | 339.66 | 8.0 | 9.0 | - | - | | | |
| | 3.0 | 529 | 1.2 | 297.62 | 8.0 | 9.0 | - | - | | | |
| | 3.4 | 473 | 1.3 | 266.27 | 8.0 | 9.0 | - | - | | | |
| | 3.9 | 407 | 1.5 | 228.94 | 8.0 | 9.0 | - | - | | | |
| 4.6 | 396 | 1.2 | 193.65 | 8.0 | 9.0 | - | - | | | | |
| 5.5 | 333 | 1.2 | 163.25 | 8.0 | 9.0 | - | - | | | | |
| 6.3 | 292 | 1.2 | 143.04 | 8.0 | 9.0 | - | - | | | | |
| 7.0 | 265 | 1.2 | 127.97 | 8.0 | 9.0 | - | - | | | | |
| 8.2 | 228 | 1.2 | 110.03 | 8.0 | 9.0 | - | - | | | | |
| 9.2 | 202 | 1.2 | 97.50 | 8.0 | 9.0 | - | - | | | | |
| | 1.2 | 961 | 0.8 | 1199.07 | 1.0 | 9.0 | 13.0 | 12.0 | PSH 3080 71M4A / 71M4B | 43 | 118-119 |
| | 1.5 | 766 | 1.0 | 955.78 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 1.7 | 660 | 1.2 | 805.70 | 7.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.0 | 590 | 1.3 | 705.97 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.2 | 528 | 1.5 | 631.62 | - | - | - | - | | | |
| | 2.6 | 463 | 1.7 | 543.06 | - | - | - | - | | | |
| | 2.9 | 410 | 1.9 | 481.23 | - | - | - | - | | | |
| | 3.5 | 460 | 1.7 | 402.93 | - | - | - | - | | | |
| | 4.1 | 394 | 1.8 | 339.66 | - | - | - | - | | | |
| | 4.7 | 345 | 1.8 | 297.62 | - | - | - | - | | | |
| | 5.3 | 309 | 1.8 | 266.27 | - | - | - | - | | | |
| | 6.1 | 269 | 2.1 | 228.94 | - | - | - | - | | | |
| | 7.2 | 258 | 1.7 | 193.65 | - | - | - | - | | | |
| | 8.6 | 217 | 1.7 | 163.25 | - | - | - | - | | | |
| | 9.8 | 190 | 1.8 | 143.04 | - | - | - | - | | | |
| 10.9 | 172 | 1.7 | 127.97 | - | - | - | - | | | | |
| 12.7 | 148 | 1.8 | 110.03 | - | - | - | - | | | | |
| 14.4 | 131 | 1.8 | 97.50 | - | - | - | - | | | | |
| | 2.3 | 491 | 1.2 | 1199.07 | 1.0 | 9.0 | 13.0 | 12.0 | PSH 3080 63M2B | 40 | 118-119 |
| | 2.9 | 391 | 1.5 | 955.78 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 3.5 | 337 | 1.7 | 805.70 | 7.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.0 | 301 | 1.9 | 705.97 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.4 | 269 | 2.2 | 631.62 | 8.0 | 9.0 | - | - | | | |
| | 5.2 | 236 | 2.5 | 543.06 | 8.0 | 9.0 | - | - | | | |
| | 5.8 | 209 | 2.8 | 481.23 | 8.0 | 9.0 | - | - | | | |
| | 6.9 | 234 | 2.5 | 402.93 | 8.0 | 9.0 | - | - | | | |
| | 8.2 | 200 | 2.7 | 339.66 | 8.0 | 9.0 | - | - | | | |
| | 9.4 | 175 | 2.6 | 297.62 | 8.0 | 9.0 | - | - | | | |
| | 10.5 | 157 | 2.8 | 266.27 | 8.0 | 9.0 | - | - | | | |
| | 14.5 | 130 | 2.6 | 193.65 | 8.0 | 9.0 | - | - | | | |
| | 17.2 | 110 | 2.6 | 163.25 | 8.0 | 9.0 | - | - | | | |
| | 19.6 | 96 | 2.7 | 143.04 | 8.0 | 9.0 | - | - | | | |
| | 21.9 | 87 | 2.6 | 127.97 | 8.0 | 9.0 | - | - | | | |
| 25.4 | 75 | 2.6 | 110.03 | 8.0 | 9.0 | - | - | | | | |
| 28.7 | 67 | 2.6 | 97.50 | 8.0 | 9.0 | - | - | | | | |
| | 1.4 | 819 | 0.9 | 656.63 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 71M6C / 71M6D | 37 | 114-115 |
| | 1.7 | 662 | 1.1 | 520.20 | 5.0 | 9.0 | 12.0 | 12.0 | | | |
| | 2.2 | 524 | 1.4 | 402.90 | 7.0 | 9.0 | 11.0 | 12.0 | | | |
| | 3.3 | 492 | 1.5 | 276.81 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 3.8 | 324 | 2.3 | 234.60 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.8 | 268 | 2.6 | 187.00 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.1 | 549 | 1.3 | 656.63 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 71M4A / 71M4B | 37 | 114-115 |
| | 2.7 | 444 | 1.6 | 520.20 | - | - | 12.0 | 12.0 | | | |
| | 3.5 | 350 | 2.0 | 402.90 | - | - | 11.0 | 12.0 | | | |
| | 5.1 | 321 | 2.2 | 276.81 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.3 | 280 | 1.9 | 656.63 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 63M2B | 34 | 114-115 |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  | | | |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|-----------------------------------|-----------------------------------|---|---|-----------------------------------|---------|---------|
| 0.25 | 3.5 | 446 | 0.9 | 254.74 | 4.0 | 4.0 | - | - | PSH 3063 71M6C / 71M6D | 29 | 110-111 | | | |
| | 4.0 | 393 | 1.0 | 224.36 | 4.0 | 4.0 | - | - | | | | | | |
| | 4.5 | 348 | 1.1 | 198.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 5.0 | 355 | 1.0 | 178.60 | 4.0 | 4.0 | - | - | | | | | | |
| | 6.2 | 295 | 1.2 | 146.13 | 4.0 | 4.0 | - | - | | | | | | |
| | 7.0 | 259 | 1.2 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 7.9 | 230 | 1.2 | 113.95 | 4.0 | 4.0 | - | - | | | | | | |
| | 9.3 | 199 | 1.2 | 97.18 | 4.0 | 4.0 | - | - | | | | | | |
| | 11.3 | 175 | 1.2 | 79.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 13.8 | 143 | 1.2 | 65.17 | 4.0 | 4.0 | - | - | | | | | | |
| | 2.3 | 495 | 0.8 | 604.27 | - | - | - | - | | | | PSH 3063 71M4A / 71M4B | 29 | 110-111 |
| | 2.6 | 445 | 0.9 | 532.19 | - | - | - | - | | | | | | |
| | 3.0 | 394 | 1.0 | 471.21 | - | - | - | - | | | | | | |
| | 3.5 | 445 | 0.9 | 395.60 | - | - | - | - | | | | | | |
| | 4.0 | 394 | 1.0 | 349.65 | - | - | - | - | | | | | | |
| | 4.5 | 350 | 1.1 | 311.35 | - | - | - | - | | | | | | |
| | 5.5 | 291 | 1.3 | 254.74 | - | - | - | - | | | | | | |
| | 6.2 | 256 | 1.4 | 224.36 | - | - | - | - | | | | | | |
| | 7.0 | 230 | 1.6 | 198.65 | - | - | - | - | | | | | | |
| | 7.8 | 231 | 1.5 | 178.60 | - | - | - | - | | | | | | |
| | 9.6 | 192 | 1.7 | 146.13 | - | - | - | - | | | | | | |
| | 10.9 | 169 | 1.8 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 12.3 | 150 | 1.7 | 113.95 | - | - | - | - | | | | | | |
| | 14.4 | 129 | 1.8 | 97.18 | - | - | - | - | | | | | | |
| | 17.6 | 114 | 1.8 | 79.65 | - | - | - | - | | | | | | |
| | 21.5 | 93 | 1.8 | 65.17 | - | - | - | - | | | | | | |
| | 3.0 | 384 | 0.8 | 938.40 | 4.0 | 4.0 | - | - | PSH 3063 63M2B | 26 | 110-111 | | | |
| | 3.8 | 309 | 0.9 | 738.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 4.6 | 252 | 1.1 | 604.27 | 4.0 | 4.0 | - | - | | | | | | |
| | 5.3 | 227 | 1.3 | 532.19 | 4.0 | 4.0 | - | - | | | | | | |
| | 5.9 | 201 | 1.4 | 471.21 | 4.0 | 4.0 | - | - | | | | | | |
| | 7.1 | 226 | 1.3 | 395.60 | 4.0 | 4.0 | - | - | | | | | | |
| | 8.0 | 200 | 1.4 | 349.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 9.0 | 178 | 1.6 | 311.35 | 4.0 | 4.0 | - | - | | | | | | |
| | 11.0 | 148 | 1.9 | 254.74 | 4.0 | 4.0 | - | - | | | | | | |
| | 12.5 | 130 | 2.2 | 224.36 | 4.0 | 4.0 | - | - | | | | | | |
| | 14.1 | 117 | 2.3 | 198.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 15.7 | 117 | 2.2 | 178.60 | 4.0 | 4.0 | - | - | | | | | | |
| | 19.2 | 97 | 2.6 | 146.13 | 4.0 | 4.0 | - | - | | | | | | |
| | 21.8 | 86 | 2.7 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 24.6 | 76 | 2.6 | 113.95 | 4.0 | 4.0 | - | - | | | | | | |
| | 23.8 | 65 | 2.7 | 97.18 | 4.0 | 4.0 | - | - | | | | | | |
| | 35.2 | 58 | 2.6 | 79.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 43.0 | 47 | 2.7 | 65.17 | 4.0 | 4.0 | - | - | | | | | | |
| | 3.4 | 462 | 0.8 | 264.14 | 7.0 | 8.0 | 10.0 | 10.0 | PSH 2063 71M6C / 71M6D | 27 | 106-107 | | | |
| | 4.0 | 391 | 1.0 | 223.06 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| 4.6 | 348 | 1.1 | 195.89 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 4.9 | 253 | 1.3 | 183.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 5.5 | 224 | 1.5 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 6.2 | 203 | 1.6 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 7.6 | 169 | 1.8 | 118.23 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 8.6 | 152 | 2.0 | 104.13 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 9.8 | 137 | 2.3 | 92.19 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 11.6 | 144 | 2.2 | 77.40 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 13.2 | 127 | 2.4 | 68.41 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 14.8 | 115 | 2.6 | 60.92 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 18.1 | 95 | 2.9 | 49.84 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 2.6 | 442 | 0.8 | 529.13 | 5.0 | 8.0 | 10.0 | 10.0 | PSH 2063 71M4A / 71M4B | | | | 27 | 106-107 | |
| 3.0 | 388 | 0.9 | 464.67 | 6.0 | 8.0 | 10.0 | 10.0 | | | | | | | |
| 3.4 | 352 | 1.0 | 413.10 | - | - | - | - | | | | | | | |
| 5.3 | 302 | 1.2 | 264.14 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | | |
| 6.3 | 255 | 1.4 | 223.06 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 7.1 | 227 | 1.6 | 195.89 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 7.6 | 169 | 1.9 | 183.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 8.6 | 152 | 2.0 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 9.7 | 138 | 2.2 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 11.8 | 117 | 2.5 | 118.23 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 13.4 | 105 | 2.8 | 104.13 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| | | | | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | $F_{R GR}$ [kN] | $F_{A GR}$ [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|--------------------|-----------------------------------|-----------------------------------|--|--|
| 0.25 | 4.5 | 262 | 1.0 | 626.57 | 5.0 | 8.0 | 10.0 | 10.0 | PSH 2063 63M2B | 24 | 106-107 |
| | 5.3 | 226 | 1.2 | 529.13 | 5.0 | 8.0 | 10.0 | 10.0 | | | |
| | 6.0 | 198 | 1.4 | 464.67 | 6.0 | 8.0 | 10.0 | 10.0 | | | |
| | 10.6 | 153 | 1.7 | 264.14 | 7.0 | 8.0 | 11.0 | 10.0 | | | |
| | 12.6 | 129 | 2.1 | 223.06 | 7.0 | 8.0 | 11.0 | 10.0 | | | |
| | 14.3 | 115 | 2.4 | 195.89 | 7.0 | 8.0 | 11.0 | 10.0 | | | |
| | 15.3 | 86 | 2.9 | 183.60 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 17.3 | 77 | 3.0 | 162.27 | 8.0 | 8.0 | 11.0 | 10.0 | | | |
| | 7.3 | 251 | 0.8 | 122.67 | 5.0 | 8.0 | - | - | PSH 3050 71M6C / 71M6D | 28 | 102-103 |
| | 9.1 | 205 | 1.0 | 99.12 | 5.0 | 8.0 | - | - | | | |
| | 10.4 | 179 | 1.1 | 86.32 | 5.0 | 8.0 | - | - | | | |
| | 11.8 | 169 | 0.9 | 76.58 | 5.0 | 8.0 | - | - | | | |
| | 13.4 | 148 | 0.9 | 67.22 | 5.0 | 8.0 | - | - | | | |
| | 15.1 | 131 | 1.0 | 59.42 | 5.0 | 8.0 | - | - | | | |
| | 18.7 | 106 | 1.1 | 48.01 | 5.0 | 8.0 | - | - | | | |
| | 21.5 | 93 | 1.2 | 41.81 | 5.0 | 8.0 | - | - | | | |
| | 6.7 | 242 | 0.8 | 209.09 | - | - | - | - | PSH 3050 71M4A / 71M4B | 28 | 102-103 |
| | 7.7 | 211 | 0.9 | 182.08 | 5.0 | 8.0 | 6.0 | 6.0 | | | |
| | 8.9 | 210 | 0.9 | 158.10 | - | - | - | - | | | |
| | 10.1 | 185 | 1.1 | 138.77 | - | - | - | - | | | |
| | 11.4 | 163 | 1.2 | 122.67 | - | - | - | - | | | |
| | 14.1 | 132 | 1.4 | 99.12 | - | - | - | - | | | |
| | 16.2 | 116 | 1.5 | 86.32 | - | - | - | - | | | |
| | 18.3 | 108 | 1.3 | 76.58 | - | - | - | - | | | |
| | 20.8 | 96 | 1.4 | 67.22 | - | - | - | - | | | |
| | 23.6 | 85 | 1.5 | 59.42 | - | - | - | - | | | |
| | 29.2 | 69 | 1.6 | 48.01 | - | - | - | - | | | |
| | 33.5 | 60 | 1.8 | 41.81 | - | - | - | - | | | |
| | 6.8 | 176 | 0.8 | 412.72 | 4.0 | 8.0 | - | - | PSH 3050 63M2B | 25 | 102-103 |
| | 8.4 | 193 | 0.8 | 333.50 | 4.0 | 8.0 | - | - | | | |
| | 9.6 | 170 | 0.9 | 292.73 | 4.0 | 8.0 | - | - | | | |
| | 13.4 | 123 | 1.2 | 209.09 | 4.0 | 8.0 | - | - | | | |
| | 15.4 | 107 | 1.4 | 182.08 | 5.0 | 8.0 | - | - | | | |
| | 17.7 | 106 | 1.4 | 158.10 | 5.0 | 8.0 | - | - | | | |
| | 20.2 | 93 | 1.6 | 138.77 | 5.0 | 8.0 | - | - | | | |
| | 22.8 | 83 | 1.8 | 122.67 | 5.0 | 8.0 | - | - | | | |
| | 28.2 | 67 | 2.2 | 99.12 | 5.0 | 8.0 | - | - | | | |
| | 32.4 | 59 | 2.3 | 86.32 | 5.0 | 8.0 | - | - | | | |
| | 36.6 | 55 | 1.9 | 76.58 | 5.0 | 8.0 | - | - | | | |
| | 41.7 | 49 | 2.0 | 67.22 | 5.0 | 8.0 | - | - | | | |
| | 47.1 | 43 | 2.3 | 59.42 | 5.0 | 8.0 | - | - | | | |
| | 58.3 | 35 | 2.4 | 48.01 | 5.0 | 8.0 | - | - | | | |
| | 67.0 | 30 | 2.8 | 41.81 | 5.0 | 8.0 | - | - | | | |
| | 6.1 | 204 | 0.9 | 147.90 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 6.9 | 179 | 1.0 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | 7.8 | 161 | 1.1 | 114.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 9.7 | 133 | 1.3 | 92.73 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | 11.1 | 118 | 1.5 | 80.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| 13.8 | 121 | 1.5 | 65.25 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 15.7 | 106 | 1.7 | 57.27 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 17.8 | 95 | 1.7 | 50.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 22.0 | 78 | 2.1 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 25.3 | 68 | 2.4 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 29.1 | 66 | 2.5 | 30.93 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 33.1 | 58 | 2.8 | 27.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 7.2 | 225 | 0.8 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 71M4A / 71M4B | 22 | 98-99 | |
| 8.2 | 197 | 0.9 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 9.5 | 136 | 1.3 | 147.90 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 10.8 | 122 | 1.4 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| 12.2 | 110 | 1.5 | 114.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 15.1 | 90 | 1.9 | 92.73 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 17.3 | 80 | 2.1 | 80.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 21.5 | 80 | 2.1 | 65.25 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 24.4 | 70 | 2.4 | 57.27 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 27.7 | 63 | 2.5 | 50.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| 34.2 | 52 | 3.0 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-----------------------------------|--|--|-----------------------------------|----|-------|
| 0.25 | 7.3 | 168 | 0.8 | 385.33 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 63M2B | 19 | 98-99 | | | |
| | 12.1 | 134 | 1.0 | 231.43 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 14.4 | 114 | 1.2 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 16.5 | 100 | 1.4 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 18.9 | 69 | 1.9 | 147.90 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 21.6 | 62 | 2.1 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 24.4 | 56 | 2.3 | 114.75 | 6.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 30.2 | 46 | 2.8 | 92.73 | 6.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 10.4 | 120 | 0.8 | 86.86 | 4.0 | 4.0 | - | - | | | | PSH 2040 71M6C / 71M6D | 18 | 94-95 |
| | 11.8 | 107 | 0.8 | 76.38 | 4.0 | 4.0 | - | - | | | | | | |
| | 13.3 | 97 | 0.9 | 67.50 | 4.0 | 4.0 | - | - | | | | | | |
| | 15.1 | 124 | 0.8 | 59.80 | 4.0 | 4.0 | - | - | | | | | | |
| | 17.3 | 76 | 1.1 | 52.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 19.2 | 97 | 1.1 | 46.77 | 4.0 | 4.0 | - | - | | | | | | |
| | 20.0 | 67 | 1.3 | 45.00 | 3.0 | 4.0 | - | - | | | | | | |
| | 21.4 | 78 | 1.1 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 24.5 | 68 | 1.2 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 27.9 | 61 | 1.3 | 32.31 | 4.0 | 4.0 | - | - | | | | | | |
| | 31.5 | 54 | 1.5 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 40.9 | 42 | 1.8 | 22.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 46.0 | 41 | 2.0 | 19.55 | 4.0 | 4.0 | - | - | | | | | | |
| | 52.7 | 36 | 2.3 | 17.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 60.0 | 32 | 2.4 | 15.01 | 4.0 | 4.0 | - | - | | | | | | |
| | 67.8 | 29 | 2.7 | 13.27 | 4.0 | 4.0 | - | - | | | | | | |
| | 12.1 | 104 | 0.9 | 115.23 | 4.0 | 4.0 | - | - | PSH 2040 71M4A / 71M4B | 18 | 94-95 | | | |
| | 13.9 | 117 | 0.9 | 100.65 | - | - | - | - | | | | | | |
| | 14.1 | 92 | 1.0 | 99.45 | 3.0 | 4.0 | - | - | | | | | | |
| | 16.1 | 80 | 1.1 | 86.86 | 4.0 | 4.0 | - | - | | | | | | |
| | 18.3 | 72 | 1.2 | 76.38 | 4.0 | 4.0 | - | - | | | | | | |
| | 20.7 | 64 | 1.3 | 67.50 | 4.0 | 4.0 | - | - | | | | | | |
| | 23.4 | 80 | 1.3 | 59.80 | 4.0 | 4.0 | - | - | | | | | | |
| | 26.9 | 51 | 1.6 | 52.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 29.9 | 63 | 1.6 | 46.77 | 4.0 | 4.0 | - | - | | | | | | |
| | 31.1 | 45 | 1.8 | 45.00 | - | - | - | - | | | | | | |
| | 33.3 | 51 | 1.7 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 38.1 | 45 | 1.8 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 43.3 | 40 | 2.0 | 32.31 | 4.0 | 4.0 | - | - | | | | | | |
| | 49.0 | 36 | 2.1 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 63.6 | 28 | 2.6 | 22.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 71.6 | 27 | 3.0 | 19.55 | 4.0 | 4.0 | - | - | | | | | | |
| | 21.8 | 76 | 1.0 | 128.70 | 4.0 | 4.0 | - | - | PSH 2040 63M2B | 15 | 94-95 | | | |
| | 24.3 | 53 | 1.3 | 115.23 | 4.0 | 4.0 | - | - | | | | | | |
| 27.8 | 59 | 1.3 | 100.65 | 4.0 | 4.0 | - | - | | | | | | | |
| 28.2 | 47 | 1.5 | 99.45 | 3.0 | 4.0 | - | - | | | | | | | |
| 32.2 | 41 | 1.6 | 86.86 | 4.0 | 4.0 | - | - | | | | | | | |
| 36.7 | 36 | 1.8 | 76.38 | 4.0 | 4.0 | - | - | | | | | | | |
| 41.5 | 33 | 1.9 | 67.50 | 4.0 | 4.0 | - | - | | | | | | | |
| 46.8 | 40 | 1.9 | 59.80 | 4.0 | 4.0 | - | - | | | | | | | |
| 53.8 | 26 | 2.4 | 52.00 | 4.0 | 4.0 | - | - | | | | | | | |
| 59.9 | 32 | 2.4 | 46.77 | 4.0 | 4.0 | - | - | | | | | | | |
| 62.2 | 23 | 2.7 | 45.00 | 3.0 | 4.0 | - | - | | | | | | | |
| 66.5 | 26 | 2.5 | 42.08 | 4.0 | 4.0 | - | - | | | | | | | |
| 76.2 | 23 | 2.7 | 36.75 | 4.0 | 4.0 | - | - | | | | | | | |
| 86.7 | 20 | 2.9 | 32.31 | 4.0 | 4.0 | - | - | | | | | | | |
| 0.37 | 0.4 | 3877 | 0.8 | 2057.43 | 27.0 | 21.0 | - | - | PSH 3125 80M6A | 113 | 134-135 | | | |
| | 0.5 | 3510 | 0.9 | 1862.28 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.5 | 3151 | 1.0 | 1637.95 | 27.0 | 21.0 | - | - | | | | | | |
| | 0.6 | 2838 | 1.1 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.8 | 2306 | 1.4 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.0 | 1822 | 1.8 | 928.25 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.1 | 1589 | 2.0 | 793.81 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.3 | 1816 | 1.6 | 690.49 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.5 | 1598 | 1.8 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.6 | 1439 | 2.3 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.0 | 1186 | 2.6 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.4 | 1029 | 2.7 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.8 | 875 | 2.9 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | | | | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|-----------------------------------|-----------------------------------|---|---|
| 0.37 | 0.6 | 3126 | 1.0 | 2527.75 | - | - | - | - | PSH 3125 71M4B / 71M4C | 111 | 134-135 |
| | 0.7 | 2544 | 1.2 | 2057.43 | - | - | - | - | | | |
| | 0.8 | 2303 | 1.3 | 1862.28 | - | - | - | - | | | |
| | 0.9 | 2067 | 1.5 | 1637.95 | - | - | - | - | | | |
| | 0.9 | 1861 | 1.7 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 1.2 | 1543 | 2.0 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 0.6 | 3126 | 0.8 | 5055.49 | 27.0 | 21.0 | - | - | PSH 3125 71M2A | 111 | 134-135 |
| | 0.8 | 2129 | 1.1 | 3442.96 | 27.0 | 21.0 | - | - | | | |
| | 1.1 | 1595 | 1.5 | 2527.75 | 27.0 | 21.0 | - | - | | | |
| | 1.4 | 1298 | 1.8 | 2057.43 | 27.0 | 21.0 | - | - | | | |
| | 1.5 | 1175 | 2.0 | 1862.28 | 27.0 | 21.0 | - | - | | | |
| | 1.7 | 1054 | 2.2 | 1637.95 | 27.0 | 21.0 | - | - | | | |
| | 1.9 | 949 | 2.5 | 1475.08 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.3 | 786 | 3.0 | 1198.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 1.4 | 1270 | 1.3 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 3100 80M6A | 70 | 126-127 |
| | 1.7 | 1020 | 1.6 | 519.44 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 1.9 | 920 | 1.8 | 468.59 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 2.5 | 745 | 2.1 | 365.06 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 3.0 | 622 | 2.6 | 298.69 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 3.5 | 697 | 2.3 | 257.40 | 16.0 | 12.0 | - | - | | | |
| | 4.9 | 502 | 3.0 | 182.75 | 16.0 | 12.0 | - | - | | | |
| | 0.8 | 1981 | 0.8 | 1670.37 | - | - | - | - | PSH 3100 71M4B / 71M4C | 68 | 126-127 |
| | 0.9 | 1826 | 0.9 | 1506.84 | 14.0 | 12.0 | - | - | | | |
| | 1.2 | 1422 | 1.1 | 1173.93 | 13.0 | 12.0 | 16.0 | 16.0 | | | |
| | 2.1 | 850 | 1.9 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 2.7 | 682 | 2.3 | 519.44 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 3.0 | 627 | 2.5 | 468.59 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 3.8 | 507 | 3.0 | 365.06 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 1.3 | 1334 | 0.9 | 2201.85 | 16.0 | 12.0 | - | - | | | |
| | 1.7 | 1012 | 1.2 | 1670.37 | 16.0 | 12.0 | - | - | PSH 3100 71M2A | 68 | 126-127 |
| | 1.9 | 932 | 1.3 | 1506.84 | 14.0 | 12.0 | - | - | | | |
| | 2.4 | 726 | 1.7 | 1173.93 | 13.0 | 12.0 | 16.0 | 16.0 | | | |
| | 4.2 | 433 | 2.8 | 660.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 1.4 | 1241 | 1.2 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 1.8 | 1001 | 1.5 | 510.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 80M6A | 61 | 122-123 |
| | 3.7 | 522 | 2.9 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| 2.2 | 830 | 1.7 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | | |
| 4.3 | 423 | 2.5 | 645.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 71M4B / 71M4C | 59 | 122-123 | |
| | | | | | | | | | PSH 2100 71M2A | 59 | 122-123 |
| 1.7 | 976 | 0.8 | 805.70 | - | - | - | - | PSH 3080 71M4B / 71M4C | 43 | 118-119 | |
| 2.0 | 873 | 0.9 | 705.97 | 8.0 | 9.0 | - | - | | | | |
| 2.2 | 781 | 1.0 | 631.62 | - | - | - | - | | | | |
| 2.6 | 685 | 1.1 | 543.06 | - | - | - | - | | | | |
| 2.9 | 607 | 1.3 | 481.23 | - | - | - | - | | | | |
| 3.5 | 681 | 1.1 | 402.93 | - | - | - | - | | | | |
| 4.1 | 583 | 1.2 | 339.66 | - | - | - | - | | | | |
| 4.7 | 511 | 1.2 | 297.62 | - | - | - | - | | | | |
| 5.3 | 457 | 1.2 | 266.27 | - | - | - | - | | | | |
| 6.1 | 399 | 1.4 | 228.94 | - | - | - | - | | | | |
| 7.2 | 381 | 1.2 | 193.65 | - | - | - | - | | | | |
| 8.6 | 321 | 1.2 | 163.25 | - | - | - | - | | | | |
| 9.8 | 282 | 1.2 | 143.04 | - | - | - | - | | | | |
| 10.9 | 255 | 1.2 | 127.97 | - | - | - | - | | | | |
| 12.7 | 219 | 1.2 | 110.03 | - | - | - | - | | | | |
| 14.4 | 194 | 1.2 | 97.50 | - | - | - | - | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-----------------------------------|---|---|
| 0.37 | 2.3 | 726 | 0.8 | 1199.07 | 7.0 | 9.0 | - | - | PSH 3080 71M2A | 43 | 118-119 |
| | 2.9 | 579 | 1.0 | 955.78 | 7.0 | 9.0 | - | - | | | |
| | 3.5 | 498 | 1.2 | 805.70 | 7.0 | 9.0 | - | - | | | |
| | 4.0 | 445 | 1.3 | 705.97 | 8.0 | 9.0 | - | - | | | |
| | 4.4 | 399 | 1.5 | 631.62 | 8.0 | 9.0 | - | - | | | |
| | 5.2 | 350 | 1.7 | 543.06 | 8.0 | 9.0 | - | - | | | |
| | 5.8 | 310 | 1.9 | 481.23 | 8.0 | 9.0 | - | - | | | |
| | 6.9 | 346 | 1.7 | 402.93 | 8.0 | 9.0 | - | - | | | |
| | 8.2 | 296 | 1.8 | 339.66 | 8.0 | 9.0 | - | - | | | |
| | 9.4 | 259 | 1.8 | 297.62 | 8.0 | 9.0 | - | - | | | |
| | 10.5 | 232 | 1.9 | 266.27 | 8.0 | 9.0 | - | - | | | |
| | 12.2 | 202 | 2.1 | 228.94 | 8.0 | 9.0 | - | - | | | |
| | 14.5 | 193 | 1.8 | 193.65 | 8.0 | 9.0 | - | - | | | |
| | 17.2 | 163 | 1.8 | 163.25 | 8.0 | 9.0 | - | - | | | |
| | 19.6 | 143 | 1.8 | 143.04 | 8.0 | 9.0 | - | - | | | |
| | 21.9 | 129 | 1.8 | 127.97 | 8.0 | 9.0 | - | - | | | |
| | 25.4 | 111 | 1.8 | 110.03 | 8.0 | 9.0 | - | - | | | |
| | 28.7 | 98 | 1.8 | 97.50 | 8.0 | 9.0 | - | - | | | |
| | 1.7 | 980 | 0.8 | 520.20 | 7.0 | 9.0 | 12.0 | 12.0 | PSH 2080 80M6A | 39 | 114-115 |
| | 2.2 | 775 | 1.0 | 402.90 | 6.0 | 9.0 | 11.0 | 12.0 | | | |
| | 3.8 | 479 | 1.6 | 234.60 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.8 | 396 | 1.8 | 187.00 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 5.7 | 340 | 2.1 | 157.64 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 6.5 | 304 | 2.2 | 138.13 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 7.3 | 277 | 2.4 | 123.58 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 8.5 | 242 | 2.6 | 106.25 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 9.6 | 218 | 2.7 | 94.15 | 8.0 | 9.0 | 13.0 | 12.0 | | | |
| | 2.1 | 812 | 0.9 | 656.63 | 5.0 | 9.0 | 11.0 | 12.0 | PSH 2080 71M4B / 71M4C | 37 | 114-115 |
| | 2.7 | 656 | 1.1 | 520.20 | 7.0 | 9.0 | 12.0 | 12.0 | | | |
| | 3.5 | 519 | 1.4 | 402.90 | 6.0 | 9.0 | 11.0 | 12.0 | | | |
| | 5.1 | 475 | 1.5 | 276.81 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 6.0 | 326 | 2.2 | 234.60 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 7.5 | 269 | 2.5 | 187.00 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 8.9 | 231 | 2.9 | 157.64 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 4.3 | 414 | 1.3 | 656.63 | 5.0 | 9.0 | 11.0 | 12.0 | PSH 2080 71M2A | 37 | 112-113 |
| | 5.4 | 335 | 1.6 | 520.20 | 7.0 | 9.0 | 12.0 | 12.0 | | | |
| | 6.9 | 264 | 2.0 | 402.90 | 6.0 | 9.0 | 11.0 | 12.0 | | | |
| | 10.1 | 241 | 2.2 | 276.81 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 5.5 | 431 | 0.9 | 254.74 | - | - | - | - | PSH 3063 71M4B / 71M4C | 29 | 110-111 |
| | 6.2 | 379 | 1.0 | 224.36 | - | - | - | - | | | |
| | 7.0 | 341 | 1.1 | 198.65 | - | - | - | - | | | |
| | 7.8 | 343 | 1.0 | 178.60 | - | - | - | - | | | |
| | 9.6 | 284 | 1.2 | 146.13 | - | - | - | - | | | |
| | 10.9 | 250 | 1.2 | 128.70 | 4.0 | 4.0 | - | - | | | |
| | 12.3 | 221 | 1.2 | 113.95 | - | - | - | - | | | |
| 14.4 | 191 | 1.2 | 97.18 | - | - | - | - | | | | |
| 17.6 | 169 | 1.2 | 79.65 | - | - | - | - | | | | |
| 21.5 | 138 | 1.2 | 65.17 | - | - | - | - | | | | |
| 4.6 | 374 | 0.8 | 604.27 | 4.0 | 4.0 | - | - | PSH 3063 71M2A | 29 | 110-111 | |
| 5.3 | 336 | 0.9 | 532.19 | 4.0 | 4.0 | - | - | | | | |
| 5.9 | 297 | 1.0 | 471.21 | 4.0 | 4.0 | - | - | | | | |
| 7.1 | 334 | 0.9 | 395.60 | 4.0 | 4.0 | - | - | | | | |
| 8.0 | 296 | 1.0 | 349.65 | 4.0 | 4.0 | - | - | | | | |
| 9.0 | 263 | 1.1 | 311.35 | 4.0 | 4.0 | - | - | | | | |
| 11.0 | 219 | 1.3 | 254.74 | 4.0 | 4.0 | - | - | | | | |
| 12.5 | 193 | 1.5 | 224.36 | 4.0 | 4.0 | - | - | | | | |
| 14.1 | 173 | 1.6 | 198.65 | 4.0 | 4.0 | - | - | | | | |
| 15.7 | 174 | 1.5 | 178.60 | 4.0 | 4.0 | - | - | | | | |
| 19.2 | 144 | 1.7 | 146.13 | 4.0 | 4.0 | - | - | | | | |
| 21.8 | 127 | 1.8 | 128.70 | 4.0 | 4.0 | - | - | | | | |
| 24.6 | 112 | 1.8 | 113.95 | 4.0 | 4.0 | - | - | | | | |
| 28.8 | 97 | 1.8 | 97.18 | 4.0 | 4.0 | - | - | | | | |
| 35.2 | 85 | 1.8 | 79.65 | 4.0 | 4.0 | - | - | | | | |
| 43.0 | 70 | 1.8 | 65.17 | 4.0 | 4.0 | - | - | | | | |
| | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | $F_{R GR}$ [kN] | $F_{A GR}$ [kN] | Tip / Type / Typ IE2 / IE3 |  |  | | | |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|--------------------|---------------------------|-------------------------------|---|---|-----------------------------------|----|---------|
| 0.37 | 4.9 | 375 | 0.9 | 183.60 | 7.0 | 8.0 | 11.0 | 10.0 | PSH 2063 80M6A | 29 | 110-111 | | | |
| | 5.5 | 331 | 1.0 | 162.27 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 6.2 | 301 | 1.0 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 7.6 | 251 | 1.2 | 118.23 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 8.6 | 225 | 1.4 | 104.13 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 9.8 | 203 | 1.5 | 92.19 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 11.6 | 213 | 1.5 | 77.40 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 13.2 | 188 | 1.6 | 68.41 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 14.8 | 170 | 1.7 | 60.92 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 18.1 | 141 | 2.0 | 49.84 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 20.5 | 126 | 2.1 | 43.90 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.2 | 113 | 2.3 | 38.87 | 5.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 25.8 | 110 | 2.5 | 34.94 | 5.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.5 | 91 | 2.8 | 28.59 | 5.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 5.3 | 447 | 0.8 | 264.14 | 7.0 | 8.0 | 10.0 | 10.0 | | | | PSH 2063 71M4B / 71M4C | 27 | 110-111 |
| | 6.3 | 377 | 1.0 | 223.06 | 6.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 7.1 | 336 | 1.1 | 195.89 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 7.6 | 250 | 1.3 | 183.60 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 8.6 | 225 | 1.4 | 162.27 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 9.7 | 204 | 1.5 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 11.8 | 173 | 1.7 | 118.23 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 13.4 | 155 | 1.9 | 104.13 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 15.2 | 140 | 2.1 | 92.19 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 18.1 | 141 | 2.2 | 77.40 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 20.5 | 126 | 2.3 | 68.41 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.0 | 112 | 2.5 | 60.92 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 28.1 | 94 | 2.8 | 49.84 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.9 | 83 | 3.0 | 43.90 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 5.3 | 334 | 0.8 | 529.13 | 7.0 | 8.0 | 9.0 | 10.0 | PSH 2063 71M2A | 27 | 110-111 | | | |
| | 6.0 | 293 | 0.9 | 464.67 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 6.8 | 266 | 1.0 | 413.10 | 7.0 | 8.0 | - | - | | | | | | |
| | 10.6 | 227 | 1.2 | 264.14 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 12.6 | 191 | 1.4 | 223.06 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 14.3 | 171 | 1.6 | 195.89 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 15.3 | 127 | 1.9 | 183.60 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 17.3 | 115 | 2.1 | 162.27 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 19.4 | 104 | 2.2 | 144.50 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.7 | 88 | 2.5 | 118.23 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 26.9 | 79 | 2.8 | 104.13 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 11.4 | 241 | 0.8 | 122.67 | - | - | - | - | | | | PSH 3050 71M4B / 71M4C | 28 | 110-111 |
| | 14.1 | 195 | 1.0 | 99.12 | - | - | - | - | | | | | | |
| | 16.2 | 172 | 1.0 | 86.32 | - | - | - | - | | | | | | |
| | 18.3 | 160 | 0.9 | 76.58 | - | - | - | - | | | | | | |
| | 20.8 | 143 | 0.9 | 67.22 | - | - | - | - | | | | | | |
| | 23.6 | 126 | 1.0 | 59.42 | - | - | - | - | | | | | | |
| 29.2 | 102 | 1.1 | 48.01 | - | - | - | - | | | | | | | |
| 33.5 | 89 | 1.2 | 41.81 | - | - | - | - | | | | | | | |
| 13.4 | 182 | 0.8 | 209.09 | 5.0 | 8.0 | - | - | PSH 3050 71M2A | 28 | 110-111 | | | | |
| 15.4 | 159 | 0.9 | 182.08 | 5.0 | 8.0 | 6.0 | 6.0 | | | | | | | |
| 17.7 | 158 | 0.9 | 158.10 | 5.0 | 8.0 | - | - | | | | | | | |
| 20.2 | 138 | 1.1 | 138.77 | 5.0 | 8.0 | - | - | | | | | | | |
| 22.8 | 122 | 1.2 | 122.67 | 5.0 | 8.0 | - | - | | | | | | | |
| 28.2 | 99 | 1.5 | 99.12 | 5.0 | 8.0 | - | - | | | | | | | |
| 32.4 | 87 | 1.6 | 86.32 | 5.0 | 8.0 | - | - | | | | | | | |
| 36.6 | 81 | 1.3 | 76.58 | 5.0 | 8.0 | - | - | | | | | | | |
| 41.7 | 72 | 1.4 | 67.22 | 5.0 | 8.0 | - | - | | | | | | | |
| 47.1 | 64 | 1.6 | 59.42 | 5.0 | 8.0 | - | - | | | | | | | |
| 58.3 | 51 | 1.6 | 48.01 | 5.0 | 8.0 | - | - | | | | | | | |
| 67.0 | 45 | 1.9 | 41.81 | 5.0 | 8.0 | - | - | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | |
|---------------|-------------------------------|---------------|-------|-----------|---------------|---------------|-------------------|-------------------|-----------------------------------|--|--|-------|
| 0.37 | 9.7 | 197 | 0.9 | 92.73 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 80M6A | 24 | 98-99 | |
| | 11.1 | 174 | 1.0 | 80.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 13.8 | 179 | 1.0 | 65.25 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 15.7 | 157 | 1.1 | 57.27 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 17.8 | 141 | 1.2 | 50.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 22.0 | 116 | 1.4 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 25.3 | 101 | 1.6 | 35.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 29.1 | 97 | 1.7 | 30.93 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 33.1 | 85 | 1.9 | 27.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 37.5 | 76 | 2.1 | 24.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 46.4 | 62 | 2.4 | 19.39 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 53.3 | 54 | 2.3 | 16.89 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 60.9 | 48 | 2.5 | 14.77 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 68.4 | 44 | 2.8 | 13.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | 77.4 | 39 | 3.0 | 11.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | |
| | | 9.5 | 202 | 0.9 | 147.90 | 5.0 | 8.0 | 6.0 | | | | 8.0 |
| | | 10.8 | 180 | 0.9 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 12.2 | 162 | 1.0 | 114.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 15.1 | 133 | 1.3 | 92.73 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 17.3 | 118 | 1.4 | 80.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 21.5 | 119 | 1.4 | 65.25 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 24.4 | 104 | 1.6 | 57.27 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 27.7 | 93 | 1.7 | 50.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 34.2 | 76 | 2.0 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 39.3 | 67 | 2.3 | 35.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 45.3 | 63 | 2.5 | 30.93 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 51.6 | 56 | 2.8 | 27.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 14.4 | 169 | 0.8 | 194.06 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 71M2A | 22 | 98-99 |
| | | 16.5 | 148 | 0.9 | 170.00 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 18.9 | 103 | 1.3 | 147.90 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 21.6 | 92 | 1.4 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 24.4 | 83 | 1.5 | 114.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 30.2 | 68 | 1.9 | 92.73 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 34.7 | 60 | 2.1 | 80.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 42.9 | 60 | 2.1 | 65.25 | 5.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 48.9 | 53 | 2.4 | 57.27 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 55.3 | 47 | 2.5 | 50.63 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 68.4 | 39 | 3.0 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | |
| | | 17.3 | 112 | 0.8 | 52.00 | 4.0 | 4.0 | - | - | PSH 2040 80M6A | 20 | 94-95 |
| | | 20.0 | 99 | 0.9 | 45.00 | 3.0 | 4.0 | - | - | | | |
| | | 21.4 | 116 | 0.8 | 42.08 | 4.0 | 4.0 | - | - | | | |
| | | 24.5 | 101 | 0.8 | 36.75 | 4.0 | 4.0 | - | - | | | |
| | | 27.9 | 90 | 0.9 | 32.31 | 4.0 | 4.0 | - | - | | | |
| | | 31.5 | 80 | 1.0 | 28.56 | 4.0 | 4.0 | - | - | | | |
| | | 40.9 | 62 | 1.2 | 22.00 | 4.0 | 4.0 | - | - | | | |
| | | 46.0 | 61 | 1.4 | 19.55 | 4.0 | 4.0 | - | - | | | |
| | | 52.7 | 54 | 1.5 | 17.08 | 4.0 | 4.0 | - | - | | | |
| | | 60.0 | 48 | 1.6 | 15.01 | 4.0 | 4.0 | - | - | | | |
| | 67.8 | 42 | 1.8 | 13.27 | 4.0 | 4.0 | - | - | | | | |
| | 88.1 | 33 | 2.2 | 10.22 | 4.0 | 4.0 | - | - | | | | |
| | 102.3 | 28 | 2.4 | 8.80 | 4.0 | 4.0 | - | - | | | | |
| | 119.8 | 25 | 2.4 | 7.51 | 4.0 | 4.0 | - | - | | | | |
| | 135.7 | 22 | 2.5 | 6.63 | 4.0 | 4.0 | - | - | | | | |
| | 176.1 | 17 | 2.9 | 5.11 | 4.0 | 4.0 | - | - | | | | |
| | 18.3 | 106 | 0.8 | 76.38 | 4.0 | 4.0 | - | - | PSH 2040 71M4B / 71M4C | 18 | 94-95 | |
| | 20.7 | 95 | 0.9 | 67.50 | 4.0 | 4.0 | - | - | | | | |
| | 23.4 | 118 | 0.8 | 59.80 | 3.0 | 4.0 | - | - | | | | |
| | 26.9 | 76 | 1.1 | 52.00 | 4.0 | 4.0 | - | - | | | | |
| | 29.9 | 93 | 1.1 | 46.77 | 3.0 | 4.0 | - | - | | | | |
| | 31.1 | 67 | 1.2 | 45.00 | - | - | - | - | | | | |
| | 33.3 | 75 | 1.1 | 42.08 | 4.0 | 4.0 | - | - | | | | |
| | 38.1 | 67 | 1.2 | 36.75 | 4.0 | 4.0 | - | - | | | | |
| | 43.3 | 59 | 1.3 | 32.31 | 4.0 | 4.0 | - | - | | | | |
| | 49.0 | 53 | 1.4 | 28.56 | 4.0 | 4.0 | - | - | | | | |
| | 63.6 | 41 | 1.8 | 22.00 | 4.0 | 4.0 | - | - | | | | |
| | 71.6 | 40 | 2.0 | 19.55 | 4.0 | 4.0 | - | - | | | | |
| | 82.0 | 35 | 2.2 | 17.08 | 4.0 | 4.0 | - | - | | | | |
| | 93.3 | 31 | 2.4 | 15.01 | 4.0 | 4.0 | - | - | | | | |
| | 105.5 | 27 | 2.7 | 13.27 | 4.0 | 4.0 | - | - | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|-----------------------------------|-------------------------------|---|---|-----------------------------------|---------|---------|
| 0.37 | 24.3 | 79 | 0.9 | 115.23 | 4.0 | 4.0 | - | - | PSH 2040 71M2A | 18 | 94-95 | | | |
| | 27.8 | 88 | 0.9 | 100.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 28.2 | 69 | 1.0 | 99.45 | 4.0 | 4.0 | - | - | | | | | | |
| | 32.2 | 60 | 1.1 | 86.86 | 4.0 | 4.0 | - | - | | | | | | |
| | 36.7 | 54 | 1.2 | 76.38 | 4.0 | 4.0 | - | - | | | | | | |
| | 41.5 | 49 | 1.3 | 67.50 | 4.0 | 4.0 | - | - | | | | | | |
| | 46.8 | 60 | 1.3 | 59.80 | 3.0 | 4.0 | - | - | | | | | | |
| | 53.8 | 39 | 1.6 | 52.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 59.9 | 47 | 1.6 | 46.77 | 3.0 | 4.0 | - | - | | | | | | |
| | 62.2 | 34 | 1.8 | 45.00 | 3.0 | 4.0 | - | - | | | | | | |
| | 66.5 | 38 | 1.7 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 76.2 | 34 | 1.8 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 86.7 | 30 | 2.0 | 32.31 | 4.0 | 4.0 | - | - | | | | | | |
| | 98.0 | 27 | 2.1 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| 127.3 | 21 | 2.7 | 22.00 | 4.0 | 4.0 | - | - | | | | | | | |
| 143.2 | 20 | 3.0 | 19.55 | 4.0 | 4.0 | - | - | | | | | | | |
| 0.55 | 0.6 | 4218 | 0.8 | 1475.08 | 27.0 | 21.0 | - | - | PSH 3125 80M6B | 113 | 134-135 | | | |
| | 0.8 | 3427 | 0.9 | 1198.50 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.0 | 2709 | 1.2 | 928.25 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.1 | 2363 | 1.4 | 793.81 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.3 | 2700 | 1.1 | 690.49 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.5 | 2375 | 1.2 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.6 | 2139 | 1.5 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.0 | 1764 | 1.8 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.4 | 1530 | 1.8 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.8 | 1301 | 1.9 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.3 | 1104 | 2.7 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.7 | 3782 | 0.8 | 2057.43 | - | - | - | - | | | | PSH 3125 80M4B / 80M4C | 113 | 134-135 |
| | 0.8 | 3424 | 0.9 | 1862.28 | - | - | - | - | | | | | | |
| | 0.9 | 3073 | 1.0 | 1637.95 | - | - | - | - | | | | | | |
| | 0.9 | 2767 | 1.1 | 1475.08 | 27.0 | 21.0 | - | - | | | | | | |
| | 1.2 | 2293 | 1.3 | 1198.50 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.5 | 1811 | 1.7 | 928.25 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.8 | 1578 | 2.0 | 793.81 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.0 | 1762 | 1.6 | 690.49 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.3 | 1549 | 1.7 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.6 | 1416 | 2.2 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.2 | 1150 | 2.6 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.7 | 998 | 2.6 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.3 | 860 | 2.8 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.1 | 2371 | 1.0 | 2527.75 | 27.0 | 21.0 | - | - | PSH 3125 71M2B | 111 | 134-135 | | | |
| | 1.4 | 1930 | 1.2 | 2057.43 | 27.0 | 21.0 | - | - | | | | | | |
| | 1.5 | 1747 | 1.3 | 1862.28 | 27.0 | 21.0 | - | - | | | | | | |
| | 1.7 | 1567 | 1.5 | 1637.95 | 27.0 | 21.0 | - | - | | | | | | |
| | 1.9 | 1411 | 1.7 | 1475.08 | 27.0 | 21.0 | - | - | | | | | | |
| | 2.3 | 1169 | 2.0 | 1198.50 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.4 | 1887 | 0.9 | 660.00 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 3100 80M6B | 70 | 126-127 | | | |
| | 1.7 | 1516 | 1.1 | 519.44 | 16.0 | 12.0 | - | - | | | | | | |
| | 1.9 | 1367 | 1.2 | 468.59 | 16.0 | 12.0 | - | - | | | | | | |
| 2.5 | 1108 | 1.4 | 365.06 | 16.0 | 12.0 | - | - | | | | | | | |
| 3.0 | 924 | 1.7 | 298.69 | 16.0 | 12.0 | - | - | | | | | | | |
| 3.5 | 1037 | 1.5 | 257.40 | 16.0 | 12.0 | - | - | | | | | | | |
| 4.9 | 747 | 2.0 | 182.75 | 16.0 | 12.0 | - | - | | | | | | | |
| 6.3 | 590 | 2.3 | 142.38 | 16.0 | 12.0 | - | - | | | | | | | |
| 7.4 | 552 | 2.3 | 121.20 | 16.0 | 12.0 | - | - | | | | | | | |
| 8.2 | 504 | 2.5 | 109.34 | 16.0 | 12.0 | - | - | | | | | | | |
| 10.6 | 398 | 2.9 | 85.18 | 16.0 | 12.0 | - | - | | | | | | | |
| 16.8 | 266 | 2.7 | 53.68 | 16.0 | 12.0 | - | - | | | | | | | |
| 2.1 | 1263 | 1.3 | 660.00 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 3100 80M4B / 80M4C | | | | 68 | 126-127 | |
| 2.7 | 1013 | 1.6 | 519.44 | 16.0 | 12.0 | - | - | | | | | | | |
| 3.0 | 932 | 1.7 | 468.59 | 16.0 | 12.0 | - | - | | | | | | | |
| 3.8 | 753 | 2.0 | 365.06 | 16.0 | 12.0 | - | - | | | | | | | |
| 4.7 | 628 | 2.4 | 298.69 | 16.0 | 12.0 | - | - | | | | | | | |
| 5.4 | 676 | 2.2 | 257.40 | - | - | - | - | | | | | | | |
| 7.7 | 494 | 2.9 | 182.75 | - | - | - | - | | | | | | | |
| | | | | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|---------------------------|-----------------------------------|--|--|
| 0.55 | 1.7 | 1504 | 0.8 | 1670.37 | 14.0 | 12.0 | - | - | PSH 3100 71M2B | 68 | 126-127 |
| | 1.9 | 1385 | 0.9 | 1506.84 | 14.0 | 12.0 | - | - | | | |
| | 2.4 | 1079 | 1.1 | 1173.93 | 14.0 | 12.0 | - | - | | | |
| | 4.2 | 644 | 1.9 | 660.00 | 14.0 | 12.0 | 16.0 | 16.0 | | | |
| | 5.4 | 516 | 2.3 | 519.44 | 16.0 | 12.0 | - | - | | | |
| | 6.0 | 475 | 2.5 | 468.59 | 16.0 | 12.0 | - | - | | | |
| | 7.7 | 383 | 3.0 | 365.06 | 16.0 | 12.0 | - | - | | | |
| | 1.4 | 1845 | 0.8 | 645.00 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 2100 80M6B | 61 | 122-123 |
| | 1.8 | 1488 | 1.0 | 510.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 3.7 | 776 | 1.9 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 4.9 | 610 | 2.4 | 183.33 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 5.4 | 560 | 2.5 | 165.38 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 7.0 | 451 | 2.9 | 128.85 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 2.2 | 1234 | 1.2 | 645.00 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 2100 80M4B / 80M4C | 61 | 122-123 |
| | 2.7 | 995 | 1.4 | 510.00 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 5.8 | 526 | 2.7 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 4.3 | 629 | 1.7 | 645.00 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 2100 71M2B | 59 | 122-123 |
| | 3.5 | 741 | 0.8 | 805.70 | 7.0 | 9.0 | - | - | PSH 3080 71M2B | 43 | 118-119 |
| | 4.0 | 662 | 0.9 | 705.97 | 7.0 | 9.0 | - | - | | | |
| | 4.4 | 592 | 1.0 | 631.62 | 7.0 | 9.0 | - | - | | | |
| | 5.2 | 520 | 1.1 | 543.06 | 7.0 | 9.0 | - | - | | | |
| | 5.8 | 460 | 1.3 | 481.23 | 7.0 | 9.0 | - | - | | | |
| | 6.9 | 514 | 1.1 | 402.93 | 7.0 | 9.0 | - | - | | | |
| | 8.2 | 440 | 1.2 | 339.66 | 7.0 | 9.0 | - | - | | | |
| | 9.4 | 385 | 1.2 | 297.62 | 7.0 | 9.0 | - | - | | | |
| | 10.5 | 345 | 1.3 | 266.27 | 7.0 | 9.0 | - | - | | | |
| | 12.2 | 301 | 1.4 | 228.94 | 7.0 | 9.0 | - | - | | | |
| | 14.5 | 287 | 1.2 | 193.65 | 7.0 | 9.0 | - | - | | | |
| | 17.2 | 242 | 1.2 | 163.25 | 7.0 | 9.0 | - | - | | | |
| | 19.6 | 212 | 1.2 | 143.04 | 7.0 | 9.0 | - | - | | | |
| | 21.9 | 192 | 1.2 | 127.97 | 7.0 | 9.0 | - | - | | | |
| | 25.4 | 165 | 1.2 | 110.03 | 7.0 | 9.0 | - | - | | | |
| | 28.7 | 146 | 1.2 | 97.50 | 7.0 | 9.0 | - | - | | | |
| | 3.8 | 712 | 1.0 | 234.60 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 2080 80M6B | 39 | 114-115 |
| | 4.8 | 589 | 1.2 | 187.00 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 5.7 | 506 | 1.4 | 157.64 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 6.5 | 451 | 1.5 | 138.13 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 7.3 | 411 | 1.6 | 123.58 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 8.5 | 360 | 1.7 | 106.25 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 9.6 | 324 | 1.8 | 94.15 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 11.4 | 331 | 2.1 | 78.83 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 13.5 | 283 | 2.3 | 66.45 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 15.5 | 251 | 2.5 | 58.23 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 17.3 | 228 | 2.6 | 52.10 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 20.1 | 199 | 2.9 | 44.79 | 5.0 | 9.0 | 13.0 | 12.0 | | | |
| | 3.5 | 771 | 0.9 | 402.90 | 6.0 | 9.0 | 9.0 | 12.0 | PSH 2080 80M4B / 80M4C | 39 | 114-115 |
| | 6.0 | 484 | 1.5 | 234.60 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 7.5 | 400 | 1.7 | 187.00 | 9.0 | 9.0 | 13.0 | 12.0 | | | |
| | 8.9 | 343 | 2.0 | 157.64 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| | 10.1 | 311 | 2.1 | 138.13 | 10.0 | 9.0 | 13.0 | 12.0 | | | |
| 11.3 | 283 | 2.2 | 123.58 | 10.0 | 9.0 | 13.0 | 12.0 | | | | |
| 13.2 | 247 | 2.4 | 106.25 | 10.0 | 9.0 | 13.0 | 12.0 | | | | |
| 14.9 | 223 | 2.5 | 94.15 | 10.0 | 9.0 | 13.0 | 12.0 | | | | |
| 17.8 | 222 | 3.0 | 78.83 | 10.0 | 9.0 | 13.0 | 12.0 | | | | |
| 4.3 | 616 | 0.9 | 656.63 | 6.0 | 9.0 | 11.0 | 12.0 | PSH 2080 71M2B | 37 | 114-115 | |
| 5.4 | 498 | 1.1 | 520.20 | 6.0 | 9.0 | 12.0 | 12.0 | | | | |
| 6.9 | 393 | 1.4 | 402.90 | 6.0 | 9.0 | 11.0 | 12.0 | | | | |
| 10.1 | 358 | 1.5 | 276.81 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| 11.9 | 246 | 2.2 | 234.60 | 9.0 | 9.0 | 12.0 | 12.0 | | | | |
| 15.0 | 203 | 2.5 | 187.00 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| 17.8 | 174 | 2.9 | 157.64 | 10.0 | 9.0 | 13.0 | 12.0 | | | | |
| | | | | | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|---------------|-------------------------------|---------------|--------|-----------|---------------|---------------|-------------------|---------------------------|-----------------------------------|--|--|---------------------------|----|---------|
| 0.55 | 11.0 | 325 | 0.9 | 254.74 | 4.0 | 4.0 | - | - | PSH 3063 71M2B | 29 | 110-111 | | | |
| | 12.5 | 286 | 1.0 | 224.36 | 4.0 | 4.0 | - | - | | | | | | |
| | 14.1 | 257 | 1.1 | 198.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 15.7 | 258 | 1.0 | 178.60 | 4.0 | 4.0 | - | - | | | | | | |
| | 19.2 | 214 | 1.2 | 146.13 | 4.0 | 4.0 | - | - | | | | | | |
| | 21.8 | 188 | 1.2 | 128.70 | 4.0 | 4.0 | - | - | | | | | | |
| | 24.6 | 167 | 1.2 | 113.95 | 4.0 | 4.0 | - | - | | | | | | |
| | 28.8 | 144 | 1.2 | 97.18 | 4.0 | 4.0 | - | - | | | | | | |
| | 35.2 | 127 | 1.2 | 79.65 | 4.0 | 4.0 | - | - | | | | | | |
| | 43.0 | 104 | 1.2 | 65.17 | 4.0 | 4.0 | - | - | | | | | | |
| | 7.6 | 373 | 0.8 | 118.23 | 7.0 | 8.0 | 11.0 | 10.0 | | | | PSH 2063 80M6B | 29 | 106-107 |
| | 8.6 | 334 | 0.9 | 104.13 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 9.8 | 301 | 1.0 | 92.19 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 11.6 | 316 | 1.0 | 77.40 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 13.2 | 279 | 1.1 | 68.41 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 14.8 | 252 | 1.2 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 18.1 | 209 | 1.3 | 49.84 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 20.5 | 187 | 1.4 | 43.90 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.2 | 168 | 1.5 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 25.8 | 163 | 1.7 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.5 | 135 | 1.9 | 28.59 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 35.7 | 119 | 2.2 | 25.18 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 40.4 | 107 | 2.4 | 22.29 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 47.3 | 91 | 2.5 | 19.01 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 57.8 | 78 | 2.6 | 15.58 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 70.6 | 65 | 2.9 | 12.75 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 7.6 | 372 | 0.9 | 183.60 | 6.0 | 8.0 | 10.0 | 10.0 | PSH 2063 80M4B / 80M4C | 29 | 106-107 | | | |
| | 8.6 | 335 | 0.9 | 162.27 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 9.7 | 304 | 1.0 | 144.50 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 11.8 | 257 | 1.1 | 118.23 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 13.4 | 230 | 1.3 | 104.13 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 15.2 | 208 | 1.4 | 92.19 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 18.1 | 209 | 1.5 | 77.40 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 20.5 | 187 | 1.6 | 68.41 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.0 | 167 | 1.7 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 28.1 | 140 | 1.9 | 49.84 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.9 | 124 | 2.0 | 43.90 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 36.0 | 111 | 2.2 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 40.1 | 106 | 2.5 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 49.0 | 88 | 2.8 | 28.59 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 10.6 | 337 | 0.8 | 264.14 | 6.0 | 8.0 | - | - | | | | PSH 2063 71M2B | 27 | 106-107 |
| | 12.6 | 285 | 1.0 | 223.06 | 6.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 14.3 | 254 | 1.1 | 195.89 | 6.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 15.3 | 189 | 1.3 | 183.60 | 6.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 17.3 | 170 | 1.4 | 162.27 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 19.4 | 155 | 1.5 | 144.50 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 23.7 | 131 | 1.7 | 118.23 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| 26.9 | 117 | 1.9 | 104.13 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 30.4 | 105 | 2.1 | 92.19 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 36.2 | 106 | 2.2 | 77.40 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 40.9 | 95 | 2.4 | 68.41 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 46.0 | 85 | 2.5 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 56.2 | 71 | 2.8 | 49.84 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 63.8 | 63 | 3.0 | 43.90 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 22.8 | 182 | 0.8 | 122.67 | 5.0 | 8.0 | - | - | PSH 3050 71M2B | 28 | 102-103 | | | | |
| 28.2 | 147 | 1.0 | 99.12 | 5.0 | 8.0 | - | - | | | | | | | |
| 32.4 | 130 | 1.1 | 86.32 | 5.0 | 8.0 | - | - | | | | | | | |
| 36.6 | 121 | 0.9 | 76.58 | 5.0 | 8.0 | - | - | | | | | | | |
| 41.7 | 107 | 0.9 | 67.22 | 5.0 | 8.0 | - | - | | | | | | | |
| 47.1 | 95 | 1.0 | 59.42 | 5.0 | 8.0 | - | - | | | | | | | |
| 58.3 | 77 | 1.1 | 48.01 | 5.0 | 8.0 | - | - | | | | | | | |
| 67.0 | 67 | 1.3 | 41.81 | 5.0 | 8.0 | - | - | | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-------------------------------|--|--|-------|-----------------------------------|----|-------|
| 0.55 | 15.7 | 234 | 0.8 | 57.27 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 80M6B | 24 | 98-99 | | | | |
| | 17.8 | 210 | 0.8 | 50.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | 22.0 | 172 | 0.9 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | 25.3 | 150 | 1.1 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | 29.1 | 144 | 1.1 | 30.93 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | | |
| | 33.1 | 127 | 1.3 | 27.15 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | | |
| | 37.5 | 113 | 1.4 | 24.00 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | | |
| | 46.4 | 93 | 1.6 | 19.39 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | | |
| | 53.3 | 81 | 1.6 | 16.89 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | | |
| | 60.9 | 71 | 1.7 | 14.77 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | | |
| | 68.4 | 66 | 1.9 | 13.15 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | | |
| | 77.4 | 58 | 2.0 | 11.63 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | | |
| | 95.8 | 48 | 2.4 | 9.39 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | 110.0 | 42 | 2.8 | 8.18 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | 125.9 | 36 | 3.0 | 7.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | | |
| | | 15.1 | 198 | 0.8 | 92.73 | 5.0 | 8.0 | 6.0 | | | | 8.0 | PSH 2050 80M4B / 80M4C | 24 | 98-99 |
| | | 17.3 | 176 | 1.0 | 80.75 | 5.0 | 8.0 | 6.0 | | | | 8.0 | | | |
| | | 21.5 | 176 | 1.0 | 65.25 | 5.0 | 8.0 | 6.0 | | | | 8.0 | | | |
| | | 24.4 | 155 | 1.1 | 57.27 | 5.0 | 8.0 | 6.0 | | | | 8.0 | | | |
| | | 27.7 | 139 | 1.1 | 50.63 | 5.0 | 8.0 | 6.0 | | | | 8.0 | | | |
| | | 34.2 | 114 | 1.4 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 39.3 | 100 | 1.5 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 45.3 | 94 | 1.6 | 30.93 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | |
| | | 51.6 | 84 | 1.9 | 27.15 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | |
| | | 58.3 | 74 | 2.1 | 24.00 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | |
| | | 72.2 | 60 | 2.4 | 19.39 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | | 82.9 | 53 | 2.3 | 16.89 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | | 94.8 | 47 | 2.4 | 14.77 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | | 106.5 | 43 | 2.8 | 13.15 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | |
| | | 120.4 | 38 | 3.0 | 11.63 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | |
| | | 18.9 | 153 | 0.9 | 147.90 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 71M2B | 22 | 98-99 | | | |
| | | 21.6 | 136 | 0.9 | 129.82 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 24.4 | 123 | 1.0 | 114.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 30.2 | 101 | 1.3 | 92.73 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 34.7 | 89 | 1.4 | 80.75 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 42.9 | 89 | 1.4 | 65.25 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 48.9 | 78 | 1.6 | 57.27 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 55.3 | 70 | 1.7 | 50.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 68.4 | 58 | 2.0 | 40.91 | 6.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 78.6 | 51 | 2.3 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | | 90.5 | 48 | 2.5 | 30.93 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | |
| | | 103.1 | 42 | 2.8 | 27.15 | 5.0 | 7.0 | 6.0 | 8.0 | | | | | | |
| | | 40.9 | 92 | 0.8 | 22.00 | 4.0 | 4.0 | - | - | PSH 2040 80M6B | 20 | 94-95 | | | |
| | | 46.0 | 91 | 0.9 | 19.55 | 4.0 | 4.0 | - | - | | | | | | |
| | | 52.7 | 80 | 1.0 | 17.08 | 4.0 | 4.0 | - | - | | | | | | |
| | | 60.0 | 71 | 1.1 | 15.01 | 4.0 | 4.0 | - | - | | | | | | |
| | | 67.8 | 63 | 1.2 | 13.27 | 4.0 | 4.0 | - | - | | | | | | |
| | | 88.1 | 49 | 1.5 | 10.22 | 4.0 | 4.0 | - | - | | | | | | |
| | | 102.3 | 42 | 1.6 | 8.80 | 4.0 | 4.0 | - | - | | | | | | |
| | | 119.8 | 38 | 1.6 | 7.51 | 4.0 | 3.0 | - | - | | | | | | |
| | | 135.7 | 33 | 1.7 | 6.63 | 4.0 | 3.0 | - | - | | | | | | |
| | | 176.1 | 26 | 1.9 | 5.11 | 4.0 | 3.0 | - | - | | | | | | |
| | | 204.5 | 22 | 2.2 | 4.40 | 4.0 | 4.0 | - | - | | | | | | |
| | | 31.1 | 100 | 0.8 | 45.00 | - | - | - | - | | | | PSH 2040 80M4B / 80M4C | 20 | 94-95 |
| | | 33.3 | 112 | 0.8 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | | 38.1 | 99 | 0.8 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | | 43.3 | 87 | 0.9 | 32.31 | 3.0 | 4.0 | - | - | | | | | | |
| | | 49.0 | 78 | 1.0 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | | 63.6 | 61 | 1.2 | 22.00 | 4.0 | 4.0 | - | - | | | | | | |
| | | 71.6 | 59 | 1.3 | 19.55 | 4.0 | 4.0 | - | - | | | | | | |
| | | 82.0 | 52 | 1.5 | 17.08 | 4.0 | 4.0 | - | - | | | | | | |
| | | 93.3 | 46 | 1.6 | 15.01 | 4.0 | 4.0 | - | - | | | | | | |
| | | 105.5 | 41 | 1.8 | 13.27 | 4.0 | 4.0 | - | - | | | | | | |
| | | 137.0 | 32 | 2.1 | 10.22 | 4.0 | 4.0 | - | - | | | | | | |
| | | 159.1 | 27 | 2.4 | 8.80 | 4.0 | 4.0 | - | - | | | | | | |
| | | 186.4 | 25 | 2.3 | 7.51 | 4.0 | 4.0 | - | - | | | | | | |
| | | 211.2 | 22 | 2.5 | 6.63 | 4.0 | 4.0 | - | - | | | | | | |
| | | 274.0 | 17 | 2.8 | 5.11 | 4.0 | 4.0 | - | - | | | | | | |
| | | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|-----------|-----------|---|-----|---------|
| 0.55 | 36.7 | 80 | 0.8 | 76.38 | 3.0 | 4.0 | - | - | PSH 2040 71M2B | 18 | 94-95 | | | |
| | 41.5 | 72 | 0.9 | 67.50 | 3.0 | 4.0 | - | - | | | | | | |
| | 46.8 | 89 | 0.9 | 59.80 | 3.0 | 4.0 | - | - | | | | | | |
| | 53.8 | 58 | 1.1 | 52.00 | 3.0 | 4.0 | - | - | | | | | | |
| | 59.9 | 70 | 1.1 | 46.77 | 3.0 | 4.0 | - | - | | | | | | |
| | 62.2 | 51 | 1.2 | 45.00 | 3.0 | 4.0 | - | - | | | | | | |
| | 66.5 | 57 | 1.1 | 42.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 76.2 | 50 | 1.2 | 36.75 | 4.0 | 4.0 | - | - | | | | | | |
| | 86.7 | 44 | 1.3 | 32.31 | 3.0 | 4.0 | - | - | | | | | | |
| | 98.0 | 40 | 1.4 | 28.56 | 4.0 | 4.0 | - | - | | | | | | |
| | 127.3 | 31 | 1.8 | 22.00 | 4.0 | 4.0 | - | - | | | | | | |
| | 143.2 | 30 | 2.0 | 19.55 | 4.0 | 4.0 | - | - | | | | | | |
| | 163.9 | 26 | 2.3 | 17.08 | 4.0 | 4.0 | - | - | | | | | | |
| | 186.5 | 23 | 2.4 | 15.01 | 4.0 | 4.0 | - | - | | | | | | |
| 211.0 | 21 | 2.7 | 13.27 | 4.0 | 4.0 | - | - | | | | | | | |
| 0.75 | 1.0 | 3694 | 0.9 | 928.25 | 25.0 | 21.0 | 27.0 | 28.0 | PSH 3125 90S6B / 90L6C | 117 | 134-135 | | | |
| | 1.1 | 3222 | 1.0 | 793.81 | 26.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.3 | 3682 | 0.8 | 690.49 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.5 | 3238 | 0.9 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.6 | 2916 | 1.1 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.0 | 2405 | 1.3 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.4 | 2087 | 1.3 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.8 | 1774 | 1.4 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.3 | 1505 | 2.0 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.8 | 1319 | 2.2 | 236.72 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.8 | 1074 | 2.5 | 187.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 0.9 | 3773 | 0.8 | 1475.08 | 27.0 | 21.0 | - | - | | | | PSH 3125 80M4C / 80M4D | 113 | 134-135 |
| | 1.2 | 3127 | 1.0 | 1198.50 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.5 | 2469 | 1.3 | 928.25 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.8 | 2152 | 1.4 | 793.81 | 26.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.0 | 2402 | 1.2 | 690.49 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.3 | 2113 | 1.3 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 2.6 | 1931 | 1.6 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.2 | 1569 | 1.9 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 3.7 | 1361 | 1.9 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.3 | 1173 | 2.0 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 5.2 | 995 | 2.8 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.3 | 2823 | 1.1 | 695.60 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 2125 90S6B / 90L6C | 102 | 130-131 | | | |
| | 1.8 | 2091 | 1.4 | 495.64 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.5 | 963 | 2.9 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.9 | 886 | 3.0 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 1.7 | 2067 | 0.8 | 519.44 | 16.0 | 12.0 | - | - | PSH 3100 90S6B / 90L6C | 74 | 126-127 | | | |
| | 1.9 | 1865 | 0.9 | 468.59 | 16.0 | 12.0 | - | - | | | | | | |
| | 2.5 | 1511 | 1.0 | 365.06 | 16.0 | 12.0 | - | - | | | | | | |
| | 3.0 | 1260 | 1.3 | 298.69 | 16.0 | 12.0 | - | - | | | | | | |
| | 3.5 | 1413 | 1.1 | 257.40 | 16.0 | 12.0 | - | - | | | | | | |
| | 6.3 | 805 | 1.7 | 142.38 | 16.0 | 12.0 | - | - | | | | | | |
| | 7.4 | 752 | 1.7 | 121.20 | 16.0 | 12.0 | - | - | | | | | | |
| | 8.2 | 687 | 1.8 | 109.34 | 16.0 | 12.0 | - | - | | | | | | |
| | 10.6 | 542 | 2.1 | 85.18 | 16.0 | 12.0 | - | - | | | | | | |
| | 12.9 | 444 | 2.6 | 69.69 | 16.0 | 12.0 | - | - | | | | | | |
| | 16.8 | 363 | 2.0 | 53.68 | 16.0 | 12.0 | - | - | | | | | | |
| | 2.1 | 1722 | 0.9 | 660.00 | 9.0 | 12.0 | 16.0 | 16.0 | | | | PSH 3100 80M4C / 80M4D | 70 | 126-127 |
| | 2.7 | 1382 | 1.2 | 519.44 | 16.0 | 12.0 | - | - | | | | | | |
| | 3.0 | 1271 | 1.3 | 468.59 | 16.0 | 12.0 | - | - | | | | | | |
| | 3.8 | 1027 | 1.5 | 365.06 | 16.0 | 12.0 | - | - | | | | | | |
| | 4.7 | 856 | 1.8 | 298.69 | 16.0 | 12.0 | - | - | | | | | | |
| 5.4 | 922 | 1.6 | 257.40 | - | - | - | - | | | | | | | |
| 7.7 | 673 | 2.1 | 182.75 | - | - | - | - | | | | | | | |
| 9.8 | 539 | 2.4 | 142.38 | - | - | - | - | | | | | | | |
| 11.6 | 496 | 2.4 | 121.20 | - | - | - | - | | | | | | | |
| 12.8 | 448 | 2.7 | 109.34 | - | - | - | - | | | | | | | |
| 26.1 | 236 | 2.9 | 53.68 | - | - | - | - | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|---|---|---|----|---------|
| 0.75 | 2.2 | 1664 | 0.9 | 410.00 | 16.0 | 12.0 | 16.0 | 16.0 | PSH 2100 90S6B / 90L6C | 65 | 122-123 | | | |
| | 3.0 | 1282 | 1.2 | 303.85 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 3.7 | 1058 | 1.4 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 4.9 | 832 | 1.7 | 183.33 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 5.4 | 763 | 1.8 | 165.38 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.0 | 615 | 2.1 | 128.85 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 8.7 | 521 | 2.4 | 103.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 9.5 | 555 | 2.5 | 94.25 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 12.6 | 427 | 3.0 | 71.50 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 2.2 | 1683 | 0.8 | 645.00 | 9.0 | 12.0 | 16.0 | 16.0 | | | | PSH 2100 80M4C / 80M4D | 61 | 122-123 |
| | 2.7 | 1357 | 1.0 | 510.00 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 5.8 | 717 | 2.0 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.6 | 572 | 2.4 | 183.33 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 8.5 | 525 | 2.5 | 165.38 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 10.9 | 428 | 2.9 | 128.85 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 3.8 | 971 | 0.8 | 234.60 | 7.0 | 9.0 | 12.0 | 12.0 | PSH 2080 90S6B / 90L6C | 43 | 114-115 | | | |
| | 4.8 | 804 | 0.9 | 187.00 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 5.7 | 690 | 1.0 | 157.64 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 6.5 | 616 | 1.1 | 138.13 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 7.3 | 561 | 1.2 | 123.58 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 8.5 | 490 | 1.3 | 106.25 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 9.6 | 442 | 1.3 | 94.15 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 11.4 | 452 | 1.5 | 78.83 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 13.5 | 386 | 1.7 | 66.45 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 15.5 | 343 | 1.8 | 58.23 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 17.3 | 311 | 1.9 | 52.10 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 20.1 | 271 | 2.1 | 44.79 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 23.8 | 247 | 2.3 | 37.89 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 28.2 | 208 | 2.6 | 31.94 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 32.2 | 185 | 2.9 | 27.99 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 6.0 | 660 | 1.1 | 234.60 | 7.0 | 9.0 | 12.0 | 12.0 | PSH 2080 80M4C / 80M4D | 39 | 114-115 | | | |
| | 7.5 | 545 | 1.2 | 187.00 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 8.9 | 468 | 1.4 | 157.64 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 10.1 | 424 | 1.5 | 138.13 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 11.3 | 386 | 1.6 | 123.58 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 13.2 | 337 | 1.8 | 106.25 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 14.9 | 303 | 1.8 | 94.15 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 17.8 | 302 | 2.2 | 78.83 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 21.1 | 258 | 2.4 | 66.45 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 24.0 | 229 | 2.6 | 58.23 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 26.9 | 205 | 2.8 | 52.10 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 9.8 | 411 | 0.8 | 92.19 | 7.0 | 8.0 | 10.0 | 10.0 | PSH 2063 90S6B / 90L6C | 33 | 106-107 | | | |
| 13.2 | 381 | 0.8 | 68.41 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | | |
| 14.8 | 344 | 0.9 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 18.1 | 286 | 1.0 | 49.84 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 20.5 | 255 | 1.0 | 43.90 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 23.2 | 229 | 1.1 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 25.8 | 222 | 1.2 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 31.5 | 184 | 1.4 | 28.59 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 35.7 | 162 | 1.6 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 40.4 | 145 | 1.8 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 47.3 | 124 | 1.8 | 19.01 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 57.8 | 107 | 1.9 | 15.58 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 70.6 | 88 | 2.1 | 12.75 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 80.1 | 78 | 2.4 | 11.23 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 90.5 | 70 | 2.6 | 9.94 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 106.1 | 59 | 2.9 | 8.48 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 |  |  | | | |
|---------------|-------------------------------|---------------|-------|-----------|---------------|---------------|-------------------|-----------------------------------|-----------------------------------|---|---|-----------------------------------|----|-------|
| 0.75 | 11.8 | 351 | 0.8 | 118.23 | 7.0 | 8.0 | 10.0 | 10.0 | PSH 2063 80M4C / 80M4D | 29 | 106-107 | | | |
| | 13.4 | 314 | 0.9 | 104.13 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 15.2 | 283 | 1.0 | 92.19 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 18.1 | 285 | 1.1 | 77.40 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | |
| | 20.5 | 255 | 1.2 | 68.41 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 23.0 | 228 | 1.2 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 28.1 | 191 | 1.4 | 49.84 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.9 | 168 | 1.5 | 43.90 | 8.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 36.0 | 151 | 1.6 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 40.1 | 145 | 1.8 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 49.0 | 120 | 2.0 | 28.59 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 55.6 | 107 | 2.3 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 62.8 | 95 | 2.6 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 73.6 | 82 | 2.6 | 19.01 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 89.9 | 69 | 2.7 | 15.58 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 25.3 | 204 | 0.8 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | PSH 2050 90S6B / 90L6C | 28 | 98-99 |
| | 29.1 | 197 | 0.8 | 30.93 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 33.1 | 173 | 0.9 | 27.15 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 37.5 | 155 | 1.1 | 24.00 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 46.4 | 127 | 1.2 | 19.39 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 53.3 | 110 | 1.1 | 16.89 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 60.9 | 96 | 1.2 | 14.77 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | |
| | 68.4 | 90 | 1.4 | 13.15 | 4.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 77.4 | 80 | 1.5 | 11.63 | 4.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 95.8 | 65 | 1.8 | 9.39 | 3.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 110.0 | 57 | 2.0 | 8.18 | 3.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 125.9 | 50 | 2.2 | 7.15 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 24.4 | 211 | 0.8 | 57.27 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 80M4C / 80M4D | 24 | 98-99 | | | |
| | 27.7 | 189 | 0.8 | 50.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 34.2 | 155 | 1.0 | 40.91 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 39.3 | 137 | 1.1 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | | | | | | |
| | 45.3 | 128 | 1.2 | 30.93 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 51.6 | 114 | 1.4 | 27.15 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 58.3 | 101 | 1.5 | 24.00 | 5.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 72.2 | 82 | 1.8 | 19.39 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 82.9 | 72 | 1.7 | 16.89 | 4.0 | 6.0 | 6.0 | 8.0 | | | | | | |
| | 94.8 | 63 | 1.8 | 14.77 | 4.0 | 5.0 | 6.0 | 8.0 | | | | | | |
| | 106.5 | 59 | 2.1 | 13.15 | 4.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 120.4 | 52 | 2.2 | 11.63 | 4.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 149.1 | 42 | 2.6 | 9.39 | 3.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 171.1 | 37 | 3.0 | 8.18 | 3.0 | 4.0 | 6.0 | 8.0 | | | | | | |
| | 52.7 | 109 | 0.8 | 17.08 | 4.0 | 4.0 | - | - | PSH 2040 90S6B / 90L6C | 24 | 94-95 | | | |
| | 60.0 | 97 | 0.8 | 15.01 | 4.0 | 4.0 | - | - | | | | | | |
| | 67.8 | 86 | 0.9 | 13.27 | 4.0 | 4.0 | - | - | | | | | | |
| | 88.1 | 67 | 1.1 | 10.22 | 4.0 | 4.0 | - | - | | | | | | |
| | 102.3 | 57 | 1.2 | 8.80 | 4.0 | 4.0 | - | - | | | | | | |
| | 119.8 | 51 | 1.2 | 7.51 | 4.0 | 3.0 | - | - | | | | | | |
| | 135.7 | 45 | 1.2 | 6.63 | 4.0 | 3.0 | - | - | | | | | | |
| 176.1 | 35 | 1.4 | 5.11 | 3.0 | 3.0 | - | - | | | | | | | |
| 204.5 | 30 | 1.6 | 4.40 | 3.0 | 3.0 | - | - | PSH 2040 80M4C / 80M4D | 20 | 94-95 | | | | |
| 63.6 | 83 | 0.9 | 22.00 | 3.0 | 4.0 | - | - | | | | | | | |
| 71.6 | 81 | 1.0 | 19.55 | 4.0 | 4.0 | - | - | | | | | | | |
| 82.0 | 71 | 1.1 | 17.08 | 4.0 | 4.0 | - | - | | | | | | | |
| 93.3 | 63 | 1.2 | 15.01 | 4.0 | 4.0 | - | - | | | | | | | |
| 105.5 | 56 | 1.3 | 13.27 | 4.0 | 4.0 | - | - | | | | | | | |
| 137.0 | 43 | 1.6 | 10.22 | 4.0 | 4.0 | - | - | | | | | | | |
| 159.1 | 37 | 1.7 | 8.80 | 4.0 | 4.0 | - | - | | | | | | | |
| 186.4 | 33 | 1.7 | 7.51 | 4.0 | 3.0 | - | - | | | | | | | |
| 211.2 | 30 | 1.8 | 6.63 | 4.0 | 3.0 | - | - | | | | | | | |
| 274.0 | 23 | 2.1 | 5.11 | 3.0 | 3.0 | - | - | | | | | | | |
| 318.2 | 20 | 2.3 | 4.40 | 3.0 | 3.0 | - | - | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-----------------------------------|--|--|
| 1.10 | 1.6 | 4277 | 0.8 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 3125 90L6C / 90L6D | 117 | 134-135 |
| | 2.0 | 3527 | 0.9 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.4 | 3061 | 0.9 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.8 | 2601 | 1.0 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.3 | 2207 | 1.3 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.8 | 1934 | 1.5 | 236.72 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.8 | 1576 | 1.7 | 187.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.9 | 1298 | 2.1 | 152.34 | 27.0 | 21.0 | - | - | | | |
| | 6.9 | 1125 | 2.3 | 130.28 | 27.0 | 21.0 | - | - | | | |
| | 8.1 | 972 | 2.6 | 110.99 | 27.0 | 21.0 | - | - | | | |
| 10.5 | 814 | 2.3 | 86.11 | 27.0 | 21.0 | - | - | | | | |
| 12.9 | 670 | 2.4 | 69.97 | 27.0 | 21.0 | - | - | | | | |
| 14.4 | 606 | 2.7 | 62.60 | 27.0 | 21.0 | - | - | | | | |
| | 1.5 | 3622 | 0.9 | 928.25 | 18.0 | 21.0 | 27.0 | 28.0 | PSH 3125 90L4B / 90L4C | 117 | 134-135 |
| | 1.8 | 3157 | 1.0 | 793.81 | 26.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.0 | 3523 | 0.8 | 690.49 | 25.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.3 | 3099 | 0.9 | 607.31 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.6 | 2832 | 1.1 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.2 | 2301 | 1.3 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.7 | 1996 | 1.3 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.3 | 1721 | 1.4 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.2 | 1460 | 1.9 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.9 | 1297 | 2.2 | 236.72 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 7.5 | 1041 | 2.5 | 187.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 9.2 | 869 | 3.0 | 152.34 | - | - | - | - | | | |
| | 1.8 | 3066 | 1.0 | 495.64 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 2125 90L6C / 90L6D | 102 | 130-131 |
| | 4.5 | 1413 | 2.0 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.9 | 1300 | 2.1 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.6 | 1181 | 2.2 | 160.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 6.2 | 1080 | 2.3 | 144.62 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 7.7 | 905 | 2.6 | 117.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 9.0 | 798 | 2.8 | 100.48 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 2.0 | 2819 | 1.0 | 695.60 | 23.0 | 21.0 | 27.0 | 28.0 | PSH 2125 90L4B / 90L4C | 102 | 130-131 |
| | 2.8 | 2083 | 1.4 | 495.64 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 6.9 | 984 | 2.7 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 7.7 | 904 | 2.8 | 183.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.0 | 1848 | 0.9 | 298.69 | 16.0 | 12.0 | - | - | PSH 3100 90L6C / 90L6D | 74 | 126-127 |
| | 3.5 | 2073 | 0.8 | 257.40 | 16.0 | 12.0 | - | - | | | |
| | 6.3 | 1180 | 1.2 | 142.38 | 16.0 | 12.0 | - | - | | | |
| | 7.4 | 1103 | 1.1 | 121.20 | 16.0 | 12.0 | - | - | | | |
| | 8.2 | 1008 | 1.2 | 109.34 | 16.0 | 12.0 | - | - | | | |
| | 10.6 | 795 | 1.4 | 85.18 | 16.0 | 12.0 | - | - | | | |
| | 12.9 | 651 | 1.7 | 69.69 | 16.0 | 12.0 | - | - | | | |
| | 16.8 | 533 | 1.4 | 53.68 | 16.0 | 12.0 | - | - | | | |
| | 2.7 | 2027 | 0.8 | 519.44 | 16.0 | 12.0 | - | - | PSH 3100 90L4B / 90L4C | 74 | 126-127 |
| | 3.0 | 1864 | 0.9 | 468.59 | 16.0 | 12.0 | - | - | | | |
| | 3.8 | 1507 | 1.0 | 365.06 | 16.0 | 12.0 | - | - | | | |
| | 4.7 | 1255 | 1.2 | 298.69 | 16.0 | 12.0 | - | - | | | |
| | 5.4 | 1352 | 1.1 | 257.40 | - | - | - | - | | | |
| | 9.8 | 791 | 1.7 | 142.38 | - | - | - | - | | | |
| | 11.6 | 728 | 1.6 | 121.20 | - | - | - | - | | | |
| | 12.8 | 656 | 1.8 | 109.34 | - | - | - | - | | | |
| | 16.4 | 518 | 2.1 | 85.18 | - | - | - | - | | | |
| | 20.1 | 429 | 2.5 | 69.69 | - | - | - | - | | | |
| | 26.1 | 346 | 2.0 | 53.68 | - | - | - | - | | | |
| | 3.0 | 1880 | 0.8 | 303.85 | 14.0 | 12.0 | 16.0 | 16.0 | PSH 2100 90L6C / 90L6D | 65 | 122-123 |
| | 3.7 | 1551 | 1.0 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 4.9 | 1220 | 1.2 | 183.33 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 5.4 | 1120 | 1.2 | 165.38 | 16.0 | 12.0 | 16.0 | 16.0 | | | |
| | 7.0 | 902 | 1.4 | 128.85 | 15.0 | 12.0 | 16.0 | 16.0 | | | |
| | 8.7 | 764 | 1.6 | 103.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | |
| | 9.5 | 814 | 1.7 | 94.25 | 14.0 | 12.0 | 16.0 | 16.0 | | | |
| | 12.6 | 626 | 2.0 | 71.50 | 13.0 | 12.0 | 16.0 | 16.0 | | | |
| | 14.0 | 572 | 2.2 | 64.50 | 9.0 | 12.0 | 16.0 | 16.0 | | | |
| | 17.9 | 457 | 2.5 | 50.25 | 9.0 | 12.0 | 16.0 | 16.0 | | | |
| | 21.0 | 414 | 2.8 | 42.78 | 9.0 | 12.0 | 16.0 | 16.0 | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 | | | | | |
|---------------|-------------------------------|---------------|-------|-----------|---------------|---------------|-------------------|-----------------------------------|-----------------------------------|----|---------|-----------------------------------|---------|---------|
| 1.10 | 3.4 | 1661 | 0.8 | 410.00 | 10.0 | 12.0 | 16.0 | 16.0 | PSH 2100 90L4B / 90L4C | 65 | 122-123 | | | |
| | 4.6 | 1277 | 1.1 | 303.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 5.8 | 1052 | 1.4 | 241.67 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.6 | 839 | 1.6 | 183.33 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 8.5 | 769 | 1.7 | 165.38 | 16.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 10.9 | 628 | 2.0 | 128.85 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 13.5 | 522 | 2.2 | 103.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 14.9 | 537 | 2.4 | 94.25 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 19.6 | 418 | 2.9 | 71.50 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 6.5 | 903 | 0.8 | 138.13 | 8.0 | 9.0 | 13.0 | 12.0 | | | | PSH 2080 90L6C / 90L6D | 43 | 114-115 |
| | 7.3 | 822 | 0.8 | 123.58 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 8.5 | 719 | 0.9 | 106.25 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 9.6 | 648 | 0.9 | 94.15 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 11.4 | 662 | 1.0 | 78.83 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 13.5 | 566 | 1.2 | 66.45 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 15.5 | 503 | 1.3 | 58.23 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 17.3 | 456 | 1.3 | 52.10 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 20.1 | 397 | 1.5 | 44.79 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 23.8 | 363 | 1.6 | 37.89 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 28.2 | 306 | 1.8 | 31.94 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 32.2 | 271 | 2.0 | 27.99 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 35.9 | 243 | 2.1 | 25.04 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 41.8 | 211 | 2.3 | 21.53 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 47.2 | 189 | 2.5 | 19.08 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 56.4 | 164 | 2.5 | 15.97 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 64.3 | 144 | 2.7 | 13.99 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 71.9 | 129 | 2.8 | 12.52 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 7.5 | 800 | 0.8 | 187.00 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 90L4B / 90L4C | 43 | 114-115 | | | |
| | 8.9 | 686 | 1.0 | 157.64 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 10.1 | 622 | 1.0 | 138.13 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 11.3 | 566 | 1.1 | 123.58 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 13.2 | 494 | 1.2 | 106.25 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 14.9 | 445 | 1.3 | 94.15 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 17.8 | 444 | 1.5 | 78.83 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 21.1 | 379 | 1.7 | 66.45 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 24.0 | 336 | 1.8 | 58.23 | 10.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 26.9 | 301 | 1.9 | 52.10 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 31.3 | 262 | 2.1 | 44.79 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 36.9 | 236 | 2.3 | 37.89 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 43.8 | 201 | 2.6 | 31.94 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 50.0 | 179 | 2.9 | 27.99 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 23.2 | 336 | 0.8 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | PSH 2063 90L6C / 90L6D | 33 | 106-107 | | | |
| | 25.8 | 326 | 0.8 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 31.5 | 270 | 1.0 | 28.59 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 35.7 | 238 | 1.1 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 40.4 | 213 | 1.2 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 47.3 | 182 | 1.2 | 19.01 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 57.8 | 156 | 1.3 | 15.58 | 5.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| 70.6 | 129 | 1.5 | 12.75 | 5.0 | 7.0 | 11.0 | 10.0 | | | | | | | |
| 80.1 | 114 | 1.6 | 11.23 | 5.0 | 7.0 | 11.0 | 10.0 | | | | | | | |
| 90.5 | 102 | 1.7 | 9.94 | 5.0 | 7.0 | 10.0 | 10.0 | | | | | | | |
| 106.1 | 87 | 2.0 | 8.48 | 5.0 | 7.0 | 10.0 | 10.0 | | | | | | | |
| 121.6 | 76 | 2.2 | 7.40 | 7.0 | 8.0 | 10.0 | 10.0 | | | | | | | |
| 20.5 | 375 | 0.8 | 68.41 | 7.0 | 8.0 | 11.0 | 10.0 | PSH 2063 90L4B / 90L4C | | | | 33 | 106-107 | |
| 23.0 | 334 | 0.8 | 60.92 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 28.1 | 280 | 0.9 | 49.84 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 31.9 | 247 | 1.0 | 43.90 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 36.0 | 222 | 1.1 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 40.1 | 212 | 1.2 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 49.0 | 176 | 1.4 | 28.59 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 55.6 | 157 | 1.6 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 62.8 | 139 | 1.8 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 73.6 | 120 | 1.8 | 19.01 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 89.9 | 102 | 1.9 | 15.58 | 5.0 | 8.0 | 11.0 | 10.0 | | | | | | | |
| 109.8 | 84 | 2.1 | 12.75 | 5.0 | 7.0 | 11.0 | 10.0 | | | | | | | |
| 124.7 | 74 | 2.4 | 11.23 | 5.0 | 7.0 | 11.0 | 10.0 | | | | | | | |
| 140.8 | 66 | 2.6 | 9.94 | 5.0 | 7.0 | 10.0 | 10.0 | | | | | | | |
| 165.1 | 57 | 2.9 | 8.48 | 5.0 | 7.0 | 10.0 | 10.0 | | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---|---|-----------|-----------|
| 1.10 | 46.4 | 186 | 0.8 | 19.39 | 4.0 | 5.0 | 6.0 | 8.0 | PSH 2050 90L6C / 90L6D | 28 | 98-99 |
| | 53.3 | 162 | 0.8 | 16.89 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 60.9 | 141 | 0.8 | 14.77 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 68.4 | 132 | 1.0 | 13.15 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 77.4 | 117 | 1.0 | 11.63 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 95.8 | 95 | 1.2 | 9.39 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 110.0 | 83 | 1.4 | 8.18 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 125.9 | 73 | 1.5 | 7.15 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 39.3 | 201 | 0.8 | 35.63 | 5.0 | 8.0 | 6.0 | 8.0 | PSH 2050 90L4B / 90L4C | 28 | 98-99 |
| | 45.3 | 188 | 0.8 | 30.93 | 5.0 | 6.0 | 6.0 | 8.0 | | | |
| | 51.6 | 167 | 0.9 | 27.15 | 5.0 | 6.0 | 6.0 | 8.0 | | | |
| | 58.3 | 148 | 1.0 | 24.00 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 72.2 | 121 | 1.2 | 19.39 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 82.9 | 105 | 1.1 | 16.89 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 94.8 | 93 | 1.2 | 14.77 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | 106.5 | 86 | 1.4 | 13.15 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 120.4 | 76 | 1.5 | 11.63 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 149.1 | 62 | 1.8 | 9.39 | 3.0 | 3.0 | 6.0 | 8.0 | PSH 2040 90L6C / 90L6D | 24 | 94-95 |
| | 171.1 | 54 | 2.0 | 8.18 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| | 195.8 | 47 | 2.2 | 7.15 | 3.0 | 3.0 | 6.0 | 8.0 | | | |
| 102.3 | 84 | 0.8 | 8.80 | 4.0 | 3.0 | - | - | | | | |
| 119.8 | 75 | 0.8 | 7.51 | 3.0 | 2.0 | - | - | PSH 2040 90L6C / 90L6D | 24 | 94-95 | |
| 135.7 | 67 | 0.9 | 6.63 | 3.0 | 2.0 | - | - | | | | |
| 176.1 | 52 | 1.0 | 5.11 | 3.0 | 2.0 | - | - | | | | |
| 204.5 | 45 | 1.1 | 4.40 | 3.0 | 2.0 | - | - | | | | |
| 82.0 | 104 | 0.8 | 17.08 | 4.0 | 4.0 | - | - | PSH 2040 90L4B / 90L4C | 24 | 94-95 | |
| 93.3 | 92 | 0.8 | 15.01 | 3.0 | 3.0 | - | - | | | | |
| 105.5 | 82 | 0.9 | 13.27 | 4.0 | 3.0 | - | - | | | | |
| 137.0 | 64 | 1.1 | 10.22 | 4.0 | 3.0 | - | - | | | | |
| 159.1 | 55 | 1.2 | 8.80 | 4.0 | 3.0 | - | - | | | | |
| 186.4 | 49 | 1.2 | 7.51 | 3.0 | 2.0 | - | - | | | | |
| 211.2 | 43 | 1.2 | 6.63 | 3.0 | 2.0 | - | - | | | | |
| 274.0 | 34 | 1.4 | 5.11 | 3.0 | 2.0 | - | - | | | | |
| 318.2 | 29 | 1.6 | 4.40 | 3.0 | 2.0 | - | - | | | | |
| 1.50 | 3.3 | 3010 | 1.0 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 3125 100L6C / 100L6D | 127 | 134-135 |
| | 3.8 | 2637 | 1.1 | 236.72 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.8 | 2149 | 1.3 | 187.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.9 | 1770 | 1.5 | 152.34 | 27.0 | 21.0 | - | - | | | |
| | 6.9 | 1534 | 1.7 | 130.28 | 27.0 | 21.0 | - | - | | | |
| | 8.1 | 1325 | 1.9 | 110.99 | 27.0 | 21.0 | - | - | | | |
| | 10.5 | 1110 | 1.7 | 86.11 | 27.0 | 21.0 | - | - | | | |
| | 12.9 | 913 | 1.8 | 69.97 | 27.0 | 21.0 | - | - | | | |
| | 14.4 | 827 | 2.0 | 62.60 | 27.0 | 21.0 | - | - | | | |
| | 2.6 | 3861 | 0.8 | 546.92 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 3125 90L4C / 90L4D | 117 | 134-135 |
| | 3.2 | 3137 | 1.0 | 444.38 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 3.7 | 2722 | 1.0 | 380.02 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.3 | 2347 | 1.0 | 323.00 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.2 | 1990 | 1.4 | 270.16 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.9 | 1768 | 1.6 | 236.72 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 7.5 | 1420 | 1.8 | 187.50 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 9.2 | 1185 | 2.2 | 152.34 | - | - | - | - | | | |
| | 10.7 | 1026 | 2.4 | 130.28 | - | - | - | - | | | |
| | 12.6 | 886 | 2.7 | 110.99 | - | - | - | - | | | |
| | 16.3 | 731 | 2.4 | 86.11 | - | - | - | - | | | |
| | 20.0 | 601 | 2.6 | 69.97 | - | - | - | - | | | |
| | 22.4 | 544 | 2.9 | 62.60 | - | - | - | - | | | |
| | 2.7 | 3009 | 1.0 | 337.55 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 2125 100L6C / 100L6D | 112 | 130-131 |
| | 4.5 | 1926 | 1.4 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 4.9 | 1773 | 1.5 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 5.6 | 1610 | 1.6 | 160.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 6.2 | 1473 | 1.7 | 144.62 | 27.0 | 21.0 | 27.0 | 28.0 | | | |
| | 7.7 | 1234 | 1.9 | 117.50 | 25.0 | 21.0 | 27.0 | 28.0 | | | |
| 9.0 | 1088 | 2.1 | 100.48 | 24.0 | 21.0 | 27.0 | 28.0 | | | | |
| 10.3 | 1071 | 2.3 | 87.40 | 23.0 | 21.0 | 27.0 | 28.0 | | | | |
| 11.7 | 954 | 2.5 | 76.88 | 23.0 | 21.0 | 27.0 | 28.0 | | | | |
| 13.0 | 859 | 2.7 | 69.23 | 23.0 | 21.0 | 27.0 | 28.0 | | | | |
| 16.0 | 716 | 3.0 | 56.25 | 23.0 | 21.0 | 27.0 | 28.0 | | | | |

| P ₁ [kW] | n ₂ [Min ⁻¹] | M ₂ [Nm] | f _B | i _{ges} | F _R [kN] | F _A [kN] | F _{R GR} [kN] | F _{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm | | | |
|------------------------|--|------------------------|----------------|------------------|------------------------|------------------------|---------------------------|---------------------------|-------------------------------------|-----|---------|-----------------------------------|----|---------|
| 1.50 | 2.8 | 2840 | 1.0 | 495.64 | 23.0 | 21.0 | 27.0 | 28.0 | PSH 2125 90L4C / 90L4D | 102 | 130-131 | | | |
| | 6.9 | 1342 | 2.0 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 7.7 | 1233 | 2.1 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 8.7 | 1101 | 2.2 | 160.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 9.7 | 1006 | 2.4 | 144.62 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.9 | 854 | 2.6 | 117.50 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.9 | 740 | 2.9 | 100.48 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.7 | 1711 | 0.9 | 298.69 | 16.0 | 12.0 | - | - | | | | PSH 3100 90L4C / 90L4D | 74 | 126-127 |
| | 5.4 | 1844 | 0.8 | 257.40 | - | - | - | - | | | | | | |
| | 9.8 | 1078 | 1.2 | 142.38 | - | - | - | - | | | | | | |
| | 11.6 | 992 | 1.2 | 121.20 | - | - | - | - | | | | | | |
| | 12.8 | 895 | 1.3 | 109.34 | - | - | - | - | | | | | | |
| | 16.4 | 706 | 1.5 | 85.18 | - | - | - | - | | | | | | |
| | 20.1 | 585 | 1.8 | 69.69 | - | - | - | - | | | | | | |
| | 26.1 | 472 | 1.5 | 53.68 | - | - | - | - | | | | | | |
| | 4.9 | 1663 | 0.9 | 183.33 | 15.0 | 12.0 | 16.0 | 16.0 | PSH 2100 100L6C / 100L6D | 75 | 122-123 | | | |
| | 5.4 | 1527 | 0.9 | 165.38 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.0 | 1231 | 1.1 | 128.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 8.7 | 1041 | 1.2 | 103.85 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 9.5 | 1110 | 1.2 | 94.25 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 12.6 | 854 | 1.5 | 71.50 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 14.0 | 780 | 1.6 | 64.50 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 17.9 | 624 | 1.9 | 50.25 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 21.0 | 565 | 2.0 | 42.78 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 23.3 | 510 | 2.3 | 38.59 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 26.2 | 437 | 2.6 | 34.29 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 29.9 | 402 | 2.7 | 30.06 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 47.5 | 265 | 2.8 | 18.94 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 4.6 | 1741 | 0.8 | 303.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | PSH 2100 90L4C / 90L4D | 65 | 122-123 |
| | 5.8 | 1434 | 1.0 | 241.67 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.6 | 1144 | 1.2 | 183.33 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 8.5 | 1049 | 1.3 | 165.38 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 10.9 | 857 | 1.4 | 128.85 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 13.5 | 712 | 1.6 | 103.85 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 14.9 | 733 | 1.8 | 94.25 | 13.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 19.6 | 571 | 2.1 | 71.50 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 21.7 | 521 | 2.3 | 64.50 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 27.9 | 411 | 2.7 | 50.25 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 32.7 | 372 | 3.0 | 42.78 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 11.4 | 903 | 0.8 | 78.83 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 100L6C / 100L6D | 53 | 114-115 | | | |
| | 13.5 | 772 | 0.9 | 66.45 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 15.5 | 686 | 0.9 | 58.23 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 17.3 | 622 | 1.0 | 52.10 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 20.1 | 542 | 1.1 | 44.79 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 23.8 | 495 | 1.2 | 37.89 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 28.2 | 417 | 1.3 | 31.94 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| 32.2 | 370 | 1.4 | 27.99 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 35.9 | 331 | 1.6 | 25.04 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 41.8 | 288 | 1.7 | 21.53 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 47.2 | 258 | 1.9 | 19.08 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 56.4 | 224 | 1.9 | 15.97 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 64.3 | 196 | 2.0 | 13.99 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 71.9 | 175 | 2.1 | 12.52 | 6.0 | 8.0 | 13.0 | 12.0 | | | | | | | |
| 83.6 | 152 | 2.3 | 10.76 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 94.3 | 135 | 2.6 | 9.54 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 119.2 | 108 | 2.9 | 7.55 | 8.0 | 9.0 | 12.0 | 12.0 | | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|--|--|---|
| 1.50 | 10.1 | 848 | 0.8 | 138.13 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 90L4C / 90L4D | 43 | 114-115 | |
| | 11.3 | 771 | 0.8 | 123.58 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 13.2 | 674 | 0.9 | 106.25 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 14.9 | 607 | 0.9 | 94.15 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 17.8 | 605 | 1.1 | 78.83 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 21.1 | 517 | 1.2 | 66.45 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 24.0 | 459 | 1.3 | 58.23 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 26.9 | 410 | 1.4 | 52.10 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 31.3 | 357 | 1.5 | 44.79 | 9.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 36.9 | 322 | 1.7 | 37.89 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 43.8 | 275 | 1.9 | 31.94 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 50.0 | 243 | 2.1 | 27.99 | 8.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 55.9 | 218 | 2.2 | 25.04 | 7.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 65.0 | 189 | 2.5 | 21.53 | 7.0 | 8.0 | 13.0 | 12.0 | | | | |
| | 73.4 | 168 | 2.7 | 19.08 | 7.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 87.7 | 145 | 2.7 | 15.97 | 6.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 100.1 | 127 | 2.9 | 13.99 | 6.0 | 9.0 | 13.0 | 12.0 | | | | |
| | 111.8 | 115 | 3.0 | 12.52 | 6.0 | 8.0 | 13.0 | 12.0 | | | | |
| | | 35.7 | 325 | 0.8 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | PSH 2063 100L6C / 100L6D | 43 | 106-107 |
| | | 40.4 | 291 | 0.9 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 47.3 | 248 | 0.9 | 19.01 | 5.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 57.8 | 213 | 0.9 | 15.58 | 5.0 | 7.0 | 11.0 | 10.0 | | | |
| | | 70.6 | 177 | 1.1 | 12.75 | 5.0 | 7.0 | 11.0 | 10.0 | | | |
| | | 80.1 | 156 | 1.2 | 11.23 | 5.0 | 6.0 | 11.0 | 10.0 | | | |
| | | 90.5 | 139 | 1.3 | 9.94 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 106.1 | 119 | 1.5 | 8.48 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 121.6 | 104 | 1.6 | 7.40 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 36.0 | 302 | 0.8 | 38.87 | 7.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 40.1 | 290 | 0.9 | 34.94 | 7.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 49.0 | 240 | 1.0 | 28.59 | 6.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 55.6 | 214 | 1.1 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 62.8 | 189 | 1.3 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 73.6 | 163 | 1.3 | 19.01 | 5.0 | 8.0 | 11.0 | 10.0 | | | |
| | | 89.9 | 139 | 1.4 | 15.58 | 5.0 | 7.0 | 11.0 | 10.0 | | | |
| | | 109.8 | 115 | 1.6 | 12.75 | 5.0 | 7.0 | 11.0 | 10.0 | | | |
| | | 124.7 | 101 | 1.7 | 11.23 | 5.0 | 6.0 | 11.0 | 10.0 | | | |
| | | 140.8 | 91 | 1.9 | 9.94 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 165.1 | 77 | 2.1 | 8.48 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 189.2 | 68 | 2.3 | 7.40 | 4.0 | 6.0 | 10.0 | 10.0 | | | |
| | | 58.3 | 201 | 0.8 | 24.00 | 4.0 | 5.0 | 6.0 | 8.0 | PSH 2050 90L4C / 90L4D | 28 | 98-99 |
| | | 72.2 | 165 | 0.9 | 19.39 | 4.0 | 5.0 | 6.0 | 8.0 | | | |
| | | 82.9 | 143 | 0.8 | 16.89 | 4.0 | 4.0 | 6.0 | 8.0 | | | |
| | | 94.8 | 127 | 0.9 | 14.77 | 4.0 | 4.0 | 6.0 | 8.0 | | | |
| | | 106.5 | 117 | 1.0 | 13.15 | 2.0 | 2.0 | 6.0 | 7.0 | | | |
| | | 120.4 | 104 | 1.1 | 11.63 | 3.0 | 2.0 | 6.0 | 7.0 | | | |
| | 149.1 | 85 | 1.3 | 9.39 | 3.0 | 3.0 | 6.0 | 7.0 | | | | |
| | 171.1 | 74 | 1.5 | 8.18 | 3.0 | 3.0 | 6.0 | 7.0 | | | | |
| | 195.8 | 64 | 1.6 | 7.15 | 3.0 | 3.0 | 6.0 | 7.0 | | | | |
| | 137.0 | 87 | 0.8 | 10.22 | 4.0 | 3.0 | - | - | PSH 2040 90L4C / 90L4D | 24 | 94-95 | |
| | 159.1 | 75 | 0.9 | 8.80 | 4.0 | 3.0 | - | - | | | | |
| | 186.4 | 67 | 0.9 | 7.51 | 3.0 | 2.0 | - | - | | | | |
| | 211.2 | 59 | 0.9 | 6.63 | 3.0 | 2.0 | - | - | | | | |
| | 274.0 | 46 | 1.0 | 5.11 | 3.0 | 2.0 | - | - | | | | |
| | 318.2 | 40 | 1.2 | 4.40 | 3.0 | 2.0 | - | - | | | | |
| 2.20 | 3.8 | 3868 | 0.8 | 236.72 | 27.0 | 21.0 | - | - | | | | PSH 3125 112M6C / 112M6D |
| | 4.8 | 3152 | 0.9 | 187.50 | 27.0 | 21.0 | - | - | | | | |
| | 5.9 | 2596 | 1.0 | 152.34 | 27.0 | 21.0 | - | - | | | | |
| | 6.9 | 2251 | 1.2 | 130.28 | 27.0 | 21.0 | - | - | | | | |
| | 8.1 | 1943 | 1.3 | 110.99 | 27.0 | 21.0 | - | - | | | | |
| | 10.5 | 1628 | 1.1 | 86.11 | 27.0 | 21.0 | - | - | | | | |
| | 12.9 | 1339 | 1.2 | 69.97 | 27.0 | 21.0 | - | - | | | | |
| | 14.4 | 1213 | 1.4 | 62.60 | 27.0 | 21.0 | - | - | | | | |
| | | 5.2 | 2919 | 1.0 | 270.16 | 27.0 | 21.0 | - | - | PSH 3125 100L4B / 100L4C | 127 | |
| | | 5.9 | 2593 | 1.1 | 236.72 | 27.0 | 21.0 | - | - | | | |
| | | 7.5 | 2082 | 1.2 | 187.50 | 27.0 | 21.0 | - | - | | | |
| | | 9.2 | 1738 | 1.5 | 152.34 | - | - | - | - | | | |
| | | 10.7 | 1505 | 1.6 | 130.28 | - | - | - | - | | | |
| | | 12.6 | 1299 | 1.8 | 110.99 | - | - | - | - | | | |
| | | 16.3 | 1073 | 1.6 | 86.11 | - | - | - | - | | | |
| | | 20.0 | 882 | 1.8 | 69.97 | - | - | - | - | | | |
| | | 22.4 | 799 | 2.0 | 62.60 | - | - | - | - | | | |

| P ₁ [kW] | n ₂ [Min ⁻¹] | M ₂ [Nm] | f _B | i _{ges} | F _R [kN] | F _A [kN] | F _{R GR} [kN] | F _{A GR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm | | | |
|------------------------|--|------------------------|----------------|------------------|------------------------|------------------------|---------------------------|-------------------------------------|-------------------------------------|---------|---------|-------------------------------------|-----|---------|
| 2.20 | 4.5 | 2825 | 1.0 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | PSH 2125 112M6C / 112M6D | 120 | 130-131 | | | |
| | 4.9 | 2600 | 1.0 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 5.6 | 2362 | 1.1 | 160.58 | 26.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 6.2 | 2161 | 1.2 | 144.62 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 7.7 | 1810 | 1.3 | 117.50 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 9.0 | 1595 | 1.4 | 100.48 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 10.3 | 1571 | 1.6 | 87.40 | 22.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.7 | 1400 | 1.7 | 76.88 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.0 | 1261 | 1.8 | 69.23 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 16.0 | 1051 | 2.1 | 56.25 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 18.7 | 910 | 2.3 | 48.10 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 22.0 | 784 | 2.5 | 40.98 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 25.5 | 709 | 2.4 | 35.31 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 28.3 | 638 | 3.0 | 31.79 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 4.1 | 2989 | 1.0 | 337.55 | 23.0 | 21.0 | 27.0 | 28.0 | | | | PSH 2125 100L4B / 100L4C | 112 | 130-131 |
| | 6.9 | 1968 | 1.3 | 201.71 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 7.7 | 1808 | 1.4 | 182.58 | 27.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 8.7 | 1615 | 1.5 | 160.58 | 26.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 9.7 | 1476 | 1.6 | 144.62 | 25.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.9 | 1252 | 1.8 | 117.50 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.9 | 1086 | 2.0 | 100.48 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 16.0 | 1049 | 2.2 | 87.40 | 22.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 18.2 | 935 | 2.5 | 76.88 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 20.2 | 842 | 2.6 | 69.23 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 24.9 | 701 | 2.9 | 56.25 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 8.7 | 1527 | 0.8 | 103.85 | 12.0 | 12.0 | 16.0 | 16.0 | PSH 2100 112M6C / 112M6D | 83 | 122-123 | | | |
| | 9.5 | 1628 | 0.8 | 94.25 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 12.6 | 1252 | 1.0 | 71.50 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 14.0 | 1144 | 1.1 | 64.50 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 17.9 | 915 | 1.3 | 50.25 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 21.0 | 829 | 1.4 | 42.78 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 23.3 | 748 | 1.5 | 38.59 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 26.2 | 640 | 1.8 | 34.29 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 29.9 | 589 | 1.9 | 30.06 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 37.1 | 481 | 2.2 | 24.23 | 8.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 43.9 | 412 | 2.1 | 20.52 | 8.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 47.5 | 389 | 1.9 | 18.94 | 8.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 52.7 | 355 | 2.1 | 17.09 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 55.4 | 330 | 2.4 | 16.25 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 67.6 | 277 | 2.7 | 13.31 | 14.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 7.6 | 1678 | 0.8 | 183.33 | 15.0 | 12.0 | 16.0 | 16.0 | | | | PSH 2100 100L4B / 100L4C | 75 | 122-123 |
| | 8.5 | 1539 | 0.9 | 165.38 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| 10.9 | 1257 | 1.0 | 128.85 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 13.5 | 1044 | 1.1 | 103.85 | 12.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 14.9 | 1075 | 1.2 | 94.25 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 19.6 | 837 | 1.5 | 71.50 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 21.7 | 765 | 1.6 | 64.50 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 27.9 | 603 | 1.8 | 50.25 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 32.7 | 546 | 2.0 | 42.78 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 36.3 | 492 | 2.2 | 38.59 | 10.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 40.8 | 427 | 2.6 | 34.29 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 46.6 | 388 | 2.7 | 30.06 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | | |
| 73.9 | 256 | 2.8 | 18.94 | 8.0 | 10.0 | 16.0 | 16.0 | | | | | | | |
| 23.8 | 725 | 0.8 | 37.89 | 7.0 | 9.0 | 13.0 | 12.0 | PSH 2080 112M6C / 112M6D | 61 | 114-115 | | | | |
| 28.2 | 611 | 0.9 | 31.94 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 32.2 | 542 | 1.0 | 27.99 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 35.9 | 485 | 1.1 | 25.04 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 41.8 | 422 | 1.2 | 21.53 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 47.2 | 379 | 1.3 | 19.08 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | | |
| 56.4 | 328 | 1.3 | 15.97 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | | |
| 64.3 | 287 | 1.3 | 13.99 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | | |
| 71.9 | 257 | 1.4 | 12.52 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | | |
| 83.6 | 224 | 1.6 | 10.76 | 5.0 | 7.0 | 13.0 | 12.0 | | | | | | | |
| 94.3 | 198 | 1.8 | 9.54 | 5.0 | 7.0 | 12.0 | 12.0 | | | | | | | |
| 119.2 | 159 | 2.0 | 7.55 | 5.0 | 6.0 | 12.0 | 12.0 | | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|--|--|---|-----|---------|
| 2.20 | 21.1 | 758 | 0.8 | 66.45 | 9.0 | 9.0 | 13.0 | 12.0 | PSH 2080 100L4B / 100L4C | 53 | 114-115 | | | |
| | 24.0 | 673 | 0.9 | 58.23 | 9.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 26.9 | 602 | 1.0 | 52.10 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 31.3 | 524 | 1.0 | 44.79 | 8.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 36.9 | 742 | 1.2 | 37.89 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 43.8 | 403 | 1.3 | 31.94 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 50.0 | 357 | 1.4 | 27.99 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 55.9 | 319 | 1.5 | 25.04 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 65.0 | 278 | 1.7 | 21.53 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 73.4 | 246 | 1.8 | 19.08 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 87.7 | 213 | 1.9 | 15.97 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | |
| | 100.1 | 187 | 2.0 | 13.99 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | |
| | 111.8 | 169 | 2.0 | 12.52 | 6.0 | 7.0 | 13.0 | 12.0 | | | | | | |
| | 130.1 | 145 | 2.3 | 10.76 | 5.0 | 7.0 | 13.0 | 12.0 | | | | | | |
| | 146.8 | 129 | 2.6 | 9.54 | 5.0 | 7.0 | 12.0 | 12.0 | | | | | | |
| | 185.4 | 103 | 2.9 | 7.55 | 5.0 | 6.0 | 12.0 | 12.0 | | | | | | |
| | 55.6 | 314 | 0.8 | 25.18 | 6.0 | 8.0 | 11.0 | 10.0 | | | | PSH 2063 100L4B / 100L4C | 43 | 106-107 |
| | 62.8 | 278 | 0.9 | 22.29 | 6.0 | 8.0 | 11.0 | 10.0 | | | | | | |
| | 73.6 | 240 | 0.9 | 19.01 | 5.0 | 7.0 | 11.0 | 10.0 | | | | | | |
| | 89.9 | 203 | 0.9 | 15.58 | 4.0 | 5.0 | 11.0 | 10.0 | | | | | | |
| 109.8 | 168 | 1.1 | 12.75 | 4.0 | 5.0 | 10.0 | 10.0 | | | | | | | |
| 124.7 | 148 | 1.2 | 11.23 | 4.0 | 5.0 | 10.0 | 10.0 | | | | | | | |
| 140.8 | 133 | 1.3 | 9.94 | 4.0 | 5.0 | 10.0 | 10.0 | | | | | | | |
| 165.1 | 113 | 1.5 | 8.48 | 4.0 | 5.0 | 9.0 | 9.0 | | | | | | | |
| 189.2 | 100 | 1.6 | 7.40 | 4.0 | 5.0 | 9.0 | 9.0 | | | | | | | |
| 3.00 | 5.9 | 3536 | 0.8 | 236.72 | 27.0 | 21.0 | - | - | PSH 3125 100L4C / 100L4D | 127 | 134-135 | | | |
| | 7.5 | 2839 | 0.9 | 187.50 | 27.0 | 21.0 | - | - | | | | | | |
| | 9.2 | 2369 | 1.1 | 152.34 | - | - | - | - | | | | | | |
| | 10.7 | 2053 | 1.2 | 130.28 | - | - | - | - | | | | | | |
| | 12.6 | 1772 | 1.3 | 110.99 | - | - | - | - | | | | | | |
| | 16.3 | 1463 | 1.2 | 86.11 | - | - | - | - | | | | | | |
| | 20.0 | 1203 | 1.3 | 69.97 | - | - | - | - | | | | | | |
| | 22.4 | 1089 | 1.4 | 62.60 | - | - | - | - | | | | | | |
| | 6.2 | 2946 | 0.9 | 144.62 | 24.0 | 21.0 | 27.0 | 28.0 | | | | PSH 2125 132S6A | 142 | 130-131 |
| | 7.7 | 2469 | 1.0 | 117.50 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 9.0 | 2175 | 1.0 | 100.48 | 22.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 10.3 | 2142 | 1.2 | 87.40 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.7 | 1909 | 1.3 | 76.88 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.0 | 1719 | 1.4 | 69.23 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 16.0 | 1433 | 1.5 | 56.25 | 19.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 18.7 | 1240 | 1.7 | 48.10 | 18.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 22.0 | 1070 | 1.8 | 40.98 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 25.5 | 967 | 1.7 | 35.31 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 28.3 | 870 | 2.2 | 31.79 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 34.8 | 715 | 2.5 | 25.83 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 40.7 | 619 | 2.7 | 22.09 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 47.8 | 533 | 3.0 | 18.82 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 56.6 | 456 | 2.9 | 15.90 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 6.9 | 2683 | 1.0 | 201.71 | 24.0 | 21.0 | 27.0 | 28.0 | PSH 2125 100L4C / 100L4D | 112 | 130-131 | | | |
| | 7.7 | 2466 | 1.0 | 182.58 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 8.7 | 2202 | 1.1 | 160.58 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 9.7 | 2012 | 1.2 | 144.62 | 24.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.9 | 1707 | 1.3 | 117.50 | 23.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.9 | 1481 | 1.4 | 100.48 | 22.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 16.0 | 1431 | 1.6 | 87.40 | 21.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 18.2 | 1274 | 1.8 | 76.88 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 20.2 | 1148 | 1.9 | 69.23 | 20.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 24.9 | 955 | 2.2 | 56.25 | 19.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| 29.1 | 827 | 2.4 | 48.10 | 18.0 | 21.0 | 27.0 | 28.0 | | | | | | | |
| 34.2 | 713 | 2.6 | 40.98 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | | |
| 39.6 | 636 | 2.5 | 35.31 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-------------------------------------|--|--|-------------------------------------|----|---------|
| 3.00 | 17.9 | 1248 | 0.9 | 50.25 | 9.0 | 12.0 | 16.0 | 16.0 | PSH 2100 132S6A | 105 | 122-123 | | | |
| | 26.2 | 873 | 1.3 | 34.29 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 29.9 | 804 | 1.4 | 30.06 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 37.1 | 656 | 1.6 | 24.23 | 8.0 | 11.0 | 16.0 | 16.0 | | | | | | |
| | 43.9 | 562 | 1.6 | 20.52 | 8.0 | 11.0 | 16.0 | 16.0 | | | | | | |
| | 47.5 | 531 | 1.4 | 18.94 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 52.7 | 484 | 1.5 | 17.09 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 55.4 | 450 | 1.7 | 16.25 | 8.0 | 10.0 | 16.0 | 16.0 | | | | | | |
| | 67.6 | 377 | 2.0 | 13.31 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 83.9 | 307 | 2.5 | 10.73 | 15.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 99.0 | 263 | 2.9 | 9.09 | 15.0 | 12.0 | 15.0 | 16.0 | | | | | | |
| | 13.5 | 1424 | 0.8 | 103.85 | 12.0 | 12.0 | 16.0 | 16.0 | | | | PSH 2100 100L4C / 100L4D | 75 | 122-123 |
| | 14.9 | 1466 | 0.9 | 94.25 | 11.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 19.6 | 1141 | 1.1 | 71.50 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 21.7 | 1043 | 1.1 | 64.50 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 27.9 | 823 | 1.3 | 50.25 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 32.7 | 744 | 1.5 | 42.78 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 36.3 | 671 | 1.6 | 38.59 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 40.8 | 582 | 1.9 | 34.29 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 46.6 | 529 | 2.0 | 30.06 | 9.0 | 12.0 | 16.0 | 16.0 | | | | | | |
| | 57.8 | 431 | 2.4 | 24.23 | 8.0 | 11.0 | 16.0 | 16.0 | | | | | | |
| | 68.2 | 370 | 2.3 | 20.52 | 8.0 | 11.0 | 16.0 | 16.0 | | | | | | |
| | 73.9 | 349 | 2.1 | 18.94 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 81.9 | 315 | 2.3 | 17.09 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 86.2 | 296 | 2.5 | 16.25 | 8.0 | 10.0 | 16.0 | 16.0 | | | | | | |
| | 105.2 | 248 | 2.9 | 13.31 | 7.0 | 8.0 | 16.0 | 16.0 | | | | | | |
| | 31.3 | 715 | 0.8 | 44.79 | 8.0 | 9.0 | 13.0 | 12.0 | PSH 2080 100L4C / 100L4D | 53 | 114-115 | | | |
| | 36.9 | 644 | 0.9 | 37.89 | 7.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 43.8 | 549 | 1.0 | 31.94 | 6.0 | 8.0 | 13.0 | 12.0 | | | | | | |
| | 50.0 | 487 | 1.0 | 27.99 | 6.0 | 8.0 | 13.0 | 12.0 | | | | | | |
| | 55.9 | 436 | 1.1 | 25.04 | 6.0 | 9.0 | 13.0 | 12.0 | | | | | | |
| | 65.0 | 379 | 1.2 | 21.53 | 6.0 | 8.0 | 13.0 | 12.0 | | | | | | |
| | 73.4 | 336 | 1.4 | 19.08 | 6.0 | 8.0 | 13.0 | 12.0 | | | | | | |
| | 87.7 | 291 | 1.4 | 15.97 | 5.0 | 6.0 | 13.0 | 11.0 | | | | | | |
| | 100.1 | 255 | 1.4 | 13.99 | 5.0 | 6.0 | 13.0 | 11.0 | | | | | | |
| | 111.8 | 231 | 1.5 | 12.52 | 5.0 | 6.0 | 13.0 | 11.0 | | | | | | |
| | 130.1 | 198 | 1.7 | 10.76 | 5.0 | 6.0 | 13.0 | 11.0 | | | | | | |
| | 146.8 | 176 | 1.9 | 9.54 | 5.0 | 6.0 | 12.0 | 11.0 | | | | | | |
| | 185.4 | 141 | 2.1 | 7.55 | 5.0 | 6.0 | 12.0 | 11.0 | | | | | | |
| | 109.8 | 230 | 0.8 | 12.75 | 4.0 | 5.0 | 10.0 | 10.0 | PSH 2063 100L4C / 100L4D | 43 | 106-107 | | | |
| | 124.7 | 202 | 0.9 | 11.23 | 4.0 | 5.0 | 10.0 | 10.0 | | | | | | |
| | 140.8 | 181 | 0.9 | 9.94 | 4.0 | 5.0 | 10.0 | 10.0 | | | | | | |
| 165.1 | 154 | 1.1 | 8.48 | 4.0 | 5.0 | 9.0 | 9.0 | | | | | | | |
| 189.2 | 136 | 1.1 | 7.40 | 4.0 | 5.0 | 9.0 | 9.0 | | | | | | | |
| | | | | | | | | | | | | | | |
| 4.00 | 9.2 | 3159 | 0.8 | 152.34 | - | - | - | - | PSH 3125 112M4C / 112M4D | 135 | 134-135 | | | |
| | 10.7 | 2737 | 0.9 | 130.28 | - | - | - | - | | | | | | |
| | 12.6 | 2362 | 1.0 | 110.99 | - | - | - | - | | | | | | |
| | 16.3 | 1950 | 0.9 | 86.11 | - | - | - | - | | | | | | |
| | 20.0 | 1604 | 1.0 | 69.97 | - | - | - | - | | | | | | |
| | 22.4 | 1452 | 1.1 | 62.60 | - | - | - | - | | | | | | |
| | 9.0 | 2900 | 0.8 | 100.48 | 20.0 | 21.0 | 27.0 | 28.0 | PSH 2125 132M6A | 142 | 130-131 | | | |
| | 10.3 | 2856 | 0.9 | 87.40 | 19.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 11.7 | 2545 | 0.9 | 76.88 | 19.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 13.0 | 2292 | 1.0 | 69.23 | 18.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 16.0 | 1910 | 1.1 | 56.25 | 18.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 18.7 | 1654 | 1.2 | 48.10 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 22.0 | 1426 | 1.4 | 40.98 | 17.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 25.5 | 1289 | 1.3 | 35.31 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 28.3 | 1160 | 1.7 | 31.79 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 34.8 | 954 | 1.9 | 25.83 | 15.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 40.7 | 825 | 2.0 | 22.09 | 14.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 47.8 | 711 | 2.2 | 18.82 | 14.0 | 21.0 | 27.0 | 28.0 | | | | | | |
| | 56.6 | 607 | 2.1 | 15.90 | 14.0 | 21.0 | 27.0 | 27.0 | | | | | | |
| | 61.9 | 555 | 2.5 | 14.54 | 14.0 | 21.0 | 27.0 | 27.0 | | | | | | |
| | 69.7 | 499 | 2.6 | 12.92 | 14.0 | 21.0 | 26.0 | 26.0 | | | | | | |
| | 81.4 | 431 | 3.0 | 11.05 | 14.0 | 21.0 | 26.0 | 25.0 | | | | | | |
| | | | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|--|--|---------|
| 4.00 | 7.7 | 3288 | 0.8 | 182.58 | 24.0 | 21.0 | 27.0 | 28.0 | PSH 2125 112M4C / 112M4D | 120 | 130-131 | |
| | 8.7 | 2936 | 0.8 | 160.58 | 24.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 9.7 | 2683 | 0.9 | 144.62 | 21.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 11.9 | 2276 | 1.0 | 117.50 | 21.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 13.9 | 1974 | 1.1 | 100.48 | 20.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 16.0 | 1908 | 1.2 | 87.40 | 19.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 18.2 | 1699 | 1.3 | 76.88 | 19.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 20.2 | 1530 | 1.5 | 69.23 | 18.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 24.9 | 1274 | 1.6 | 56.25 | 18.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 29.1 | 1102 | 1.8 | 48.10 | 17.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 34.2 | 950 | 1.9 | 40.98 | 17.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 39.6 | 848 | 1.9 | 35.31 | 16.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 44.0 | 763 | 2.4 | 31.79 | 16.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 54.2 | 627 | 2.7 | 25.83 | 15.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 63.4 | 542 | 3.0 | 22.09 | 14.0 | 20.0 | 27.0 | 28.0 | | | | |
| | | 26.2 | 1164 | 1.0 | 34.29 | 8.0 | 12.0 | 16.0 | 16.0 | PSH 2100 132M6A | 105 | 122-123 |
| | | 29.9 | 1072 | 1.0 | 30.06 | 8.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 37.1 | 874 | 1.2 | 24.23 | 8.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 43.9 | 749 | 1.2 | 20.52 | 7.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 47.5 | 707 | 1.1 | 18.94 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 52.7 | 646 | 1.2 | 17.09 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 55.4 | 600 | 1.3 | 16.25 | 7.0 | 9.0 | 16.0 | 16.0 | | | |
| | | 67.6 | 503 | 1.5 | 13.31 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 83.9 | 410 | 1.9 | 10.73 | 6.0 | 7.0 | 15.0 | 16.0 | | | |
| | | 99.0 | 351 | 2.2 | 9.09 | 12.0 | 12.0 | 15.0 | 16.0 | | | |
| | | 125.0 | 278 | 2.6 | 7.20 | 12.0 | 12.0 | 14.0 | 15.0 | | | |
| | | 19.6 | 1522 | 0.8 | 71.50 | 9.0 | 12.0 | 16.0 | 16.0 | PSH 2100 112M4C / 112M4D | 83 | 122-123 |
| | | 21.7 | 1390 | 0.9 | 64.50 | 9.0 | 12.0 | 16.0 | 16.0 | | | |
| | | 27.9 | 1097 | 1.0 | 50.25 | 8.0 | 12.0 | 16.0 | 16.0 | | | |
| | | 32.7 | 992 | 1.1 | 42.78 | 8.0 | 9.0 | 16.0 | 16.0 | | | |
| | | 36.3 | 895 | 1.2 | 38.59 | 8.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 40.8 | 777 | 1.4 | 34.29 | 8.0 | 12.0 | 16.0 | 16.0 | | | |
| | | 46.6 | 705 | 1.5 | 30.06 | 8.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 57.8 | 575 | 1.8 | 24.23 | 8.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 68.2 | 493 | 1.7 | 20.52 | 7.0 | 10.0 | 16.0 | 16.0 | | | |
| | | 73.9 | 465 | 1.5 | 18.94 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 81.9 | 420 | 1.7 | 17.09 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 86.2 | 395 | 1.9 | 16.25 | 7.0 | 9.0 | 16.0 | 16.0 | | | |
| | | 105.2 | 330 | 2.1 | 13.31 | 6.0 | 6.0 | 16.0 | 16.0 | | | |
| | | 130.5 | 266 | 2.7 | 10.73 | 6.0 | 7.0 | 15.0 | 16.0 | | | |
| | | 50.0 | 649 | 0.8 | 27.99 | 6.0 | 8.0 | 13.0 | 12.0 | PSH 2080 112M4C / 112M4D | 61 | 114-115 |
| | | 55.9 | 581 | 0.8 | 25.04 | 6.0 | 9.0 | 13.0 | 12.0 | | | |
| | | 65.0 | 505 | 0.9 | 21.53 | 5.0 | 7.0 | 13.0 | 12.0 | | | |
| | | 73.4 | 448 | 1.0 | 19.08 | 5.0 | 7.0 | 13.0 | 12.0 | | | |
| | | 87.7 | 388 | 1.0 | 15.97 | 4.0 | 3.0 | 13.0 | 9.0 | | | |
| | 100.1 | 340 | 1.1 | 13.99 | 4.0 | 4.0 | 13.0 | 10.0 | | | | |
| | 111.8 | 307 | 1.1 | 12.52 | 4.0 | 4.0 | 12.0 | 10.0 | | | | |
| | 130.1 | 264 | 1.3 | 10.76 | 5.0 | 4.0 | 12.0 | 10.0 | | | | |
| | 146.8 | 234 | 1.5 | 9.54 | 5.0 | 5.0 | 12.0 | 10.0 | | | | |
| | 185.4 | 187 | 1.6 | 7.55 | 4.0 | 5.0 | 11.0 | 10.0 | | | | |
| 5.50 | 16.0 | 2626 | 0.8 | 56.25 | 16.0 | 21.0 | 27.0 | 28.0 | PSH 2125 132M6B | 142 | 130-131 | |
| | 18.7 | 2274 | 0.9 | 48.10 | 16.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 22.0 | 1961 | 1.0 | 40.98 | 15.0 | 21.0 | 27.0 | 28.0 | | | | |
| | 25.5 | 1772 | 0.9 | 35.31 | 15.0 | 20.0 | 27.0 | 28.0 | | | | |
| | 28.3 | 1596 | 1.2 | 31.79 | 15.0 | 19.0 | 27.0 | 28.0 | | | | |
| | 34.8 | 1311 | 1.4 | 25.83 | 14.0 | 19.0 | 27.0 | 28.0 | | | | |
| | 40.7 | 1134 | 1.5 | 22.09 | 14.0 | 18.0 | 27.0 | 28.0 | | | | |
| | 47.8 | 978 | 1.6 | 18.82 | 13.0 | 17.0 | 27.0 | 28.0 | | | | |
| | 56.6 | 835 | 1.6 | 15.90 | 12.0 | 14.0 | 27.0 | 25.0 | | | | |
| | 61.9 | 764 | 1.8 | 15.54 | 12.0 | 16.0 | 27.0 | 27.0 | | | | |
| | 69.7 | 686 | 1.9 | 12.92 | 12.0 | 13.0 | 26.0 | 24.0 | | | | |
| | 81.4 | 593 | 2.2 | 11.05 | 24.0 | 21.0 | 25.0 | 24.0 | | | | |
| | 95.6 | 505 | 2.4 | 9.41 | 24.0 | 21.0 | 24.0 | 23.0 | | | | |
| | 106.6 | 453 | 2.6 | 8.44 | 24.0 | 21.0 | 23.0 | 23.0 | | | | |
| | 116.1 | 421 | 2.5 | 7.75 | 24.0 | 21.0 | 23.0 | 22.0 | | | | |
| | 123.8 | 395 | 2.5 | 7.27 | 24.0 | 21.0 | 22.0 | 22.0 | | | | |
| | | | | | | | | | | | | |

| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm | | | | | |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|-------------------------------------|--|--|---------|-------------------------------------|-------------------------------------|---------|---------|
| 5.50 | 13.9 | 2714 | 0.8 | 100.48 | 20.0 | 21.0 | 27.0 | 28.0 | PSH 2125 132S4A / 132S4B | 142 | 130-131 | | | | | |
| | 16.0 | 2623 | 0.9 | 87.40 | 19.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 18.2 | 2336 | 1.0 | 76.88 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 20.2 | 2104 | 1.1 | 69.23 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 24.9 | 1752 | 1.2 | 56.25 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 29.1 | 1516 | 1.3 | 48.10 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 34.2 | 1307 | 1.4 | 40.98 | 15.0 | 21.0 | 27.0 | 28.0 | | | | | | | | |
| | 39.6 | 1166 | 1.4 | 35.31 | 15.0 | 20.0 | 27.0 | 28.0 | | | | | | | | |
| | 44.0 | 1050 | 1.8 | 31.79 | 15.0 | 19.0 | 27.0 | 28.0 | | | | | | | | |
| | 54.2 | 862 | 2.0 | 25.83 | 14.0 | 19.0 | 27.0 | 28.0 | | | | | | | | |
| | 63.4 | 746 | 2.2 | 22.09 | 14.0 | 18.0 | 27.0 | 28.0 | | | | | | | | |
| | 74.4 | 635 | 2.4 | 18.82 | 13.0 | 17.0 | 27.0 | 28.0 | | | | | | | | |
| | 88.1 | 549 | 2.3 | 15.90 | 12.0 | 14.0 | 27.0 | 25.0 | | | | | | | | |
| | 96.3 | 496 | 2.7 | 14.54 | 12.0 | 16.0 | 27.0 | 27.0 | | | | | | | | |
| | 108.4 | 446 | 2.8 | 12.92 | 12.0 | 13.0 | 26.0 | 24.0 | | | | | | | | |
| | | 37.1 | 1202 | 0.9 | 24.23 | 6.0 | 8.0 | 16.0 | 16.0 | PSH 2100 132M6B | 105 | 122-123 | | | | |
| | | 43.9 | 1030 | 0.9 | 20.52 | 6.0 | 8.0 | 16.0 | 16.0 | | | | | | | |
| | | 47.5 | 973 | 0.8 | 18.94 | 3.0 | 3.0 | 16.0 | 13.0 | | | | | | | |
| | | 52.7 | 888 | 0.8 | 17.09 | 4.0 | 3.0 | 16.0 | 14.0 | | | | | | | |
| | | 55.4 | 825 | 1.0 | 16.25 | 6.0 | 8.0 | 16.0 | 16.0 | | | | | | | |
| | | 67.6 | 691 | 1.1 | 13.31 | 5.0 | 4.0 | 15.0 | 14.0 | | | | | | | |
| | | 83.9 | 564 | 1.4 | 10.73 | 6.0 | 5.0 | 15.0 | 14.0 | | | | | | | |
| | | 99.0 | 483 | 1.6 | 9.09 | 5.0 | 5.0 | 14.0 | 14.0 | | | | | | | |
| | | 125.0 | 382 | 1.9 | 7.20 | 5.0 | 5.0 | 14.0 | 14.0 | | | | | | | |
| | | | 40.8 | 1068 | 1.0 | 34.29 | 8.0 | 12.0 | 16.0 | | | | 16.0 | PSH 2100 132S4A / 132S4B | 105 | 122-123 |
| | | | 46.6 | 970 | 1.1 | 30.06 | 6.0 | 7.0 | 16.0 | | | | 16.0 | | | |
| | | | 57.8 | 791 | 1.3 | 24.23 | 6.0 | 8.0 | 16.0 | | | | 16.0 | | | |
| | | | 68.2 | 677 | 1.2 | 20.52 | 6.0 | 8.0 | 16.0 | | | | 16.0 | | | |
| | | | 73.9 | 640 | 1.1 | 18.94 | 3.0 | 3.0 | 16.0 | | | | 13.0 | | | |
| | | | 81.9 | 557 | 1.2 | 17.09 | 4.0 | 3.0 | 16.0 | | | | 14.0 | | | |
| 86.2 | 543 | | 1.4 | 16.25 | 6.0 | 8.0 | 16.0 | 16.0 | | | | | | | | |
| 105.2 | 454 | | 1.6 | 13.31 | 5.0 | 4.0 | 15.0 | 14.0 | | | | | | | | |
| 130.5 | 366 | | 2.0 | 10.73 | 6.0 | 5.0 | 15.0 | 14.0 | | | | | | | | |
| 154.0 | 314 | | 2.3 | 9.09 | 5.0 | 5.0 | 14.0 | 14.0 | | | | | | | | |
| 194.4 | 249 | | 2.7 | 7.20 | 5.0 | 5.0 | 14.0 | 14.0 | | | | | | | | |
| 7.50 | 28.3 | | 2176 | 0.9 | 31.79 | 13.0 | 16.0 | 27.0 | 28.0 | PSH 2125 160M6B / 160M6C | 178 | 130-131 | | | | |
| | 34.8 | | 1788 | 1.0 | 25.83 | 13.0 | 16.0 | 27.0 | 28.0 | | | | | | | |
| | 40.7 | | 1547 | 1.1 | 22.09 | 13.0 | 16.0 | 27.0 | 27.0 | | | | | | | |
| | 47.8 | | 1333 | 1.2 | 18.82 | 12.0 | 15.0 | 27.0 | 27.0 | | | | | | | |
| | 56.6 | 1139 | 1.1 | 15.90 | 11.0 | 11.0 | 26.0 | 23.0 | | | | | | | | |
| | 61.9 | 1041 | 1.4 | 14.54 | 12.0 | 15.0 | 26.0 | 26.0 | | | | | | | | |
| | 69.7 | 936 | 1.4 | 12.92 | 11.0 | 11.0 | 25.0 | 22.0 | | | | | | | | |
| | 81.4 | 809 | 1.6 | 11.05 | 10.0 | 11.0 | 24.0 | 22.0 | | | | | | | | |
| | 95.6 | 689 | 1.7 | 9.41 | 10.0 | 11.0 | 23.0 | 22.0 | | | | | | | | |
| | 106.6 | 618 | 1.9 | 8.44 | 10.0 | 11.0 | 23.0 | 21.0 | | | | | | | | |
| | 116.1 | 574 | 1.8 | 7.75 | 10.0 | 11.0 | 22.0 | 21.0 | | | | | | | | |
| | 123.8 | 538 | 1.8 | 7.27 | 10.0 | 11.0 | 22.0 | 21.0 | | | | | | | | |
| | | 20.2 | 2869 | 0.8 | 69.23 | 16.0 | 21.0 | 27.0 | 28.0 | | | | PSH 2125 132M4C / 132M4D | 142 | 130-131 | |
| | | 24.9 | 2389 | 0.9 | 56.25 | 16.0 | 21.0 | 27.0 | 28.0 | | | | | | | |
| | | 29.1 | 2067 | 0.9 | 48.10 | 14.0 | 21.0 | 27.0 | 28.0 | | | | | | | |
| | | 34.2 | 1782 | 1.0 | 40.98 | 14.0 | 20.0 | 27.0 | 28.0 | | | | | | | |
| | | 39.6 | 1590 | 1.0 | 35.31 | 13.0 | 16.0 | 27.0 | 28.0 | | | | | | | |
| | | 44.0 | 1431 | 1.3 | 31.79 | 13.0 | 16.0 | 27.0 | 28.0 | | | | | | | |
| | | 54.2 | 1176 | 1.5 | 25.83 | 13.0 | 16.0 | 27.0 | 28.0 | | | | | | | |
| | | 63.4 | 1017 | 1.6 | 22.09 | 13.0 | 16.0 | 27.0 | 27.0 | | | | | | | |
| | | 74.4 | 867 | 1.7 | 18.82 | 12.0 | 15.0 | 27.0 | 27.0 | | | | | | | |
| | | 88.1 | 748 | 1.7 | 15.90 | 11.0 | 11.0 | 26.0 | 23.0 | | | | | | | |
| | | 96.3 | 677 | 2.0 | 14.54 | 12.0 | 15.0 | 26.0 | 26.0 | | | | | | | |
| | | 108.4 | 608 | 2.0 | 12.92 | 11.0 | 11.0 | 25.0 | 22.0 | | | | | | | |
| | | 126.7 | 526 | 2.4 | 11.05 | 10.0 | 11.0 | 24.0 | 22.0 | | | | | | | |
| | | 148.8 | 448 | 2.5 | 9.41 | 10.0 | 11.0 | 23.0 | 22.0 | | | | | | | |
| | | 165.9 | 402 | 2.8 | 8.44 | 10.0 | 11.0 | 23.0 | 21.0 | | | | | | | |
| | 180.6 | 369 | 2.7 | 7.75 | 10.0 | 11.0 | 22.0 | 21.0 | | | | | | | | |
| | 192.6 | 346 | 2.7 | 7.27 | 10.0 | 11.0 | 22.0 | 21.0 | | | | | | | | |
| | | | | | | | | | | | | | | | | |

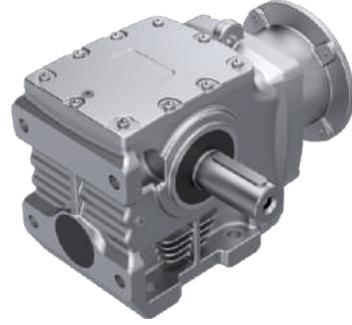
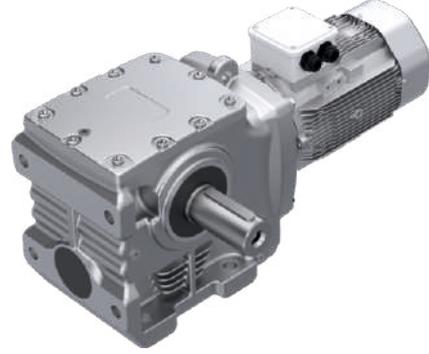
| P₁ [kW] | n₂ [Min ⁻¹] | M₂ [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{R GR} [kN] | F_{A GR} [kN] | Tip / Type / Typ IE2 / IE3 |  Kg |  mm |
|------------------------------|--|------------------------------|----------------------|------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|---|--|--|
| 7.50 | 46.6 | 1323 | 0.8 | 30.06 | 6.0 | 7.0 | 16.0 | 16.0 | PSH 2100 132M4C / 132M4D | 105 | 122-123 |
| | 57.8 | 1078 | 0.9 | 24.23 | 6.0 | 8.0 | 16.0 | 16.0 | | | |
| | 68.2 | 924 | 0.9 | 20.52 | - | - | 16.0 | 16.0 | | | |
| | 73.9 | 872 | 0.8 | 18.94 | 3.0 | 3.0 | 16.0 | 16.0 | | | |
| | 81.9 | 787 | 0.9 | 17.09 | 4.0 | 3.0 | 16.0 | 16.0 | | | |
| | 86.2 | 740 | 1.0 | 16.25 | 5.0 | 6.0 | 16.0 | 16.0 | | | |
| | 105.2 | 620 | 1.1 | 13.31 | 2.0 | 2.0 | 14.0 | 11.0 | | | |
| | 130.5 | 500 | 1.5 | 10.73 | 3.0 | 3.0 | 14.0 | 12.0 | | | |
| | 154.0 | 428 | 1.7 | 9.09 | 4.0 | 3.0 | 14.0 | 12.0 | | | |
| | 194.4 | 339 | 2.0 | 7.20 | 5.0 | 4.0 | 13.0 | 12.0 | | | |
| 9.20 | 34.8 | 2194 | 0.8 | 25.83 | 12.0 | 14.0 | 27.0 | 26.0 | PSH 2125 160M6 | 178 | 130-131 |
| | 40.7 | 1898 | 0.9 | 22.09 | 12.0 | 14.0 | 27.0 | 26.0 | | | |
| | 47.8 | 1635 | 1.0 | 18.82 | 12.0 | 14.0 | 27.0 | 25.0 | | | |
| | 56.6 | 1397 | 0.9 | 15.90 | 10.0 | 9.0 | 25.0 | 20.0 | | | |
| | 61.9 | 1277 | 1.1 | 14.54 | 11.0 | 13.0 | 26.0 | 25.0 | | | |
| | 69.7 | 1148 | 1.1 | 12.92 | 10.0 | 9.0 | 24.0 | 21.0 | | | |
| | 81.4 | 992 | 1.3 | 11.05 | 10.0 | 10.0 | 24.0 | 21.0 | | | |
| | 95.6 | 845 | 1.4 | 9.41 | 10.0 | 10.0 | 23.0 | 20.0 | | | |
| | 106.6 | 758 | 1.6 | 8.44 | 10.0 | 10.0 | 22.0 | 20.0 | | | |
| | 116.1 | 704 | 1.5 | 7.75 | 9.0 | 10.0 | 22.0 | 20.0 | | | |
| | 123.8 | 660 | 1.5 | 7.27 | 9.0 | 10.0 | 21.0 | 20.0 | | | |
| | 29.1 | 2536 | 0.8 | 48.10 | - | - | 27.0 | 28.0 | PSH 2125 132M4 | 142 | 130-131 |
| | 34.2 | 2186 | 0.8 | 40.98 | - | - | 27.0 | 28.0 | | | |
| | 39.6 | 1950 | 0.8 | 35.31 | - | - | 27.0 | 28.0 | | | |
| | 44.0 | 1756 | 1.0 | 31.79 | 12.0 | 13.0 | 27.0 | 28.0 | | | |
| | 54.2 | 1443 | 1.2 | 25.83 | 12.0 | 14.0 | 27.0 | 26.0 | | | |
| | 63.4 | 1248 | 1.3 | 22.09 | 12.0 | 14.0 | 27.0 | 26.0 | | | |
| | 74.4 | 1063 | 1.4 | 18.82 | 12.0 | 14.0 | 27.0 | 25.0 | | | |
| | 88.1 | 918 | 1.4 | 15.90 | 10.0 | 9.0 | 25.0 | 20.0 | | | |
| | 96.3 | 830 | 1.6 | 14.54 | 11.0 | 13.0 | 26.0 | 25.0 | | | |
| | 108.4 | 746 | 1.7 | 12.92 | 10.0 | 9.0 | 24.0 | 21.0 | | | |
| | 126.7 | 645 | 1.9 | 11.05 | 10.0 | 10.0 | 24.0 | 21.0 | | | |
| | 148.8 | 549 | 2.1 | 9.41 | 10.0 | 10.0 | 23.0 | 20.0 | | | |
| | 165.9 | 493 | 2.3 | 8.44 | 10.0 | 10.0 | 22.0 | 20.0 | | | |
| | 180.6 | 452 | 2.2 | 7.75 | 9.0 | 10.0 | 22.0 | 20.0 | | | |
| | 192.6 | 424 | 2.2 | 7.27 | 9.0 | 10.0 | 21.0 | 20.0 | | | |
| | 57.8 | 1323 | 0.8 | 24.23 | - | - | 16.0 | 16.0 | PSH 2100 132M4 | 105 | 122-123 |
| | 86.2 | 908 | 0.8 | 16.25 | - | - | 16.0 | 16.0 | | | |
| | 105.2 | 760 | 0.9 | 13.31 | - | - | 15.0 | 14.0 | | | |
| | 130.5 | 613 | 1.2 | 10.73 | - | - | 15.0 | 14.0 | | | |
| 154.0 | 525 | 1.4 | 9.09 | - | - | 14.0 | 14.0 | | | | |
| 194.4 | 416 | 1.6 | 7.20 | - | - | 14.0 | 14.0 | | | | |
| 11.0 | 47.8 | 1955 | 0.8 | 18.82 | 11.0 | 12.0 | 27.0 | 24.0 | PSH 2125 160L6B / 160L6D | 178 | 130-131 |
| | 56.6 | 1670 | 0.8 | 15.90 | 8.0 | 6.0 | 24.0 | 18.0 | | | |
| | 61.9 | 1527 | 0.9 | 14.54 | 10.0 | 12.0 | 25.0 | 24.0 | | | |
| | 69.7 | 1372 | 0.9 | 12.92 | 9.0 | 7.0 | 24.0 | 19.0 | | | |
| | 81.4 | 1187 | 1.1 | 11.05 | 9.0 | 8.0 | 23.0 | 19.0 | | | |
| | 95.6 | 1010 | 1.2 | 9.41 | 9.0 | 8.0 | 22.0 | 19.0 | | | |
| | 106.6 | 906 | 1.3 | 8.44 | 9.0 | 8.0 | 22.0 | 19.0 | | | |
| | 116.1 | 841 | 1.3 | 7.75 | 9.0 | 8.0 | 21.0 | 19.0 | | | |
| | 123.8 | 789 | 1.3 | 7.27 | 9.0 | 9.0 | 21.0 | 19.0 | | | |
| | 44.0 | 2099 | 0.9 | 31.79 | 12.0 | 13.0 | 27.0 | 26.0 | | | |
| | 54.2 | 1725 | 1.0 | 25.83 | 11.0 | 11.0 | 27.0 | 24.0 | | | |
| | 63.4 | 1492 | 1.1 | 22.09 | 11.0 | 12.0 | 27.0 | 24.0 | | | |
| | 74.4 | 1271 | 1.2 | 18.82 | 11.0 | 12.0 | 27.0 | 24.0 | | | |
| | 88.1 | 1098 | 1.1 | 15.90 | 8.0 | 6.0 | 24.0 | 18.0 | | | |
| | 96.3 | 993 | 1.3 | 14.54 | 10.0 | 12.0 | 25.0 | 24.0 | | | |
| | 108.4 | 892 | 1.4 | 12.92 | 9.0 | 7.0 | 24.0 | 19.0 | | | |
| | 126.7 | 771 | 1.6 | 11.05 | 9.0 | 8.0 | 23.0 | 19.0 | | | |
| | 148.8 | 657 | 1.7 | 9.41 | 9.0 | 8.0 | 22.0 | 19.0 | | | |
| | 165.9 | 589 | 1.9 | 8.44 | 9.0 | 8.0 | 22.0 | 19.0 | | | |
| | 180.6 | 541 | 1.9 | 7.75 | 9.0 | 8.0 | 21.0 | 19.0 | | | |
| 192.6 | 507 | 1.9 | 7.27 | 9.0 | 9.0 | 21.0 | 19.0 | | | | |

| P_1 [kW] | n_2 [Min ⁻¹] | M_2 [Nm] | f_B | i_{ges} | F_R [kN] | F_A [kN] | F_{RGR} [kN] | F_{AGR} [kN] | Tip / Type / Typ IE2 / IE3 | Kg | mm |
|---------------|-------------------------------|---------------|-------|-----------|---------------|---------------|-------------------|-------------------|-------------------------------|-----|---------|
| 15.0 | 63.4 | 2034 | 0.8 | 22.09 | 11.0 | 12.0 | 27.0 | 24.0 | PSH 2125 160L4B | 178 | 130-131 |
| | 74.4 | 1733 | 0.9 | 18.82 | 11.0 | 12.0 | 27.0 | 24.0 | | | |
| | 88.1 | 1497 | 0.8 | 15.90 | 8.0 | 6.0 | 24.0 | 18.0 | | | |
| | 96.3 | 1354 | 1.0 | 14.54 | 9.0 | 9.0 | 24.0 | 21.0 | | | |
| | 108.4 | 1216 | 1.0 | 12.92 | 4.0 | 3.0 | 22.0 | 15.0 | | | |
| | 126.7 | 1052 | 1.2 | 11.05 | 5.0 | 4.0 | 22.0 | 16.0 | | | |
| | 148.8 | 895 | 1.3 | 9.41 | 6.0 | 5.0 | 21.0 | 16.0 | | | |
| | 165.9 | 803 | 1.4 | 8.44 | 7.0 | 6.0 | 21.0 | 16.0 | | | |
| | 180.6 | 737 | 1.4 | 7.75 | 7.0 | 6.0 | 20.0 | 17.0 | | | |
| | 192.6 | 692 | 1.4 | 7.27 | 8.0 | 6.0 | 20.0 | 17.0 | | | |

Ölçü Tabloları

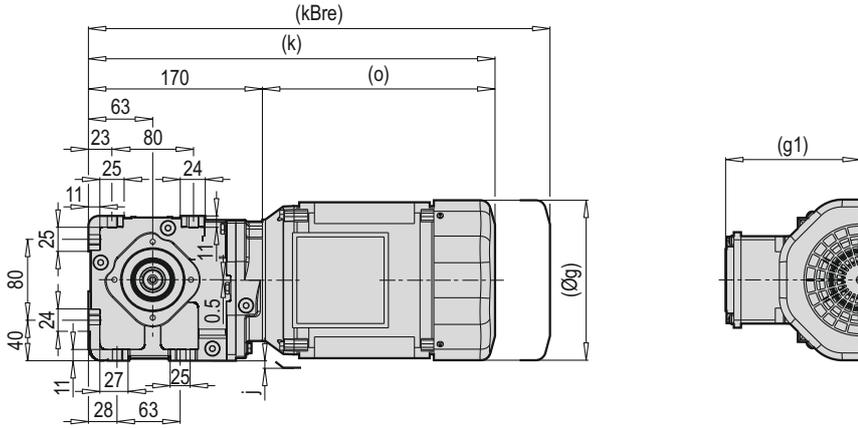
Dimension Tables

Maßtabellen

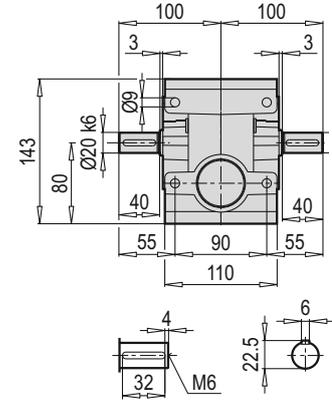


PSH

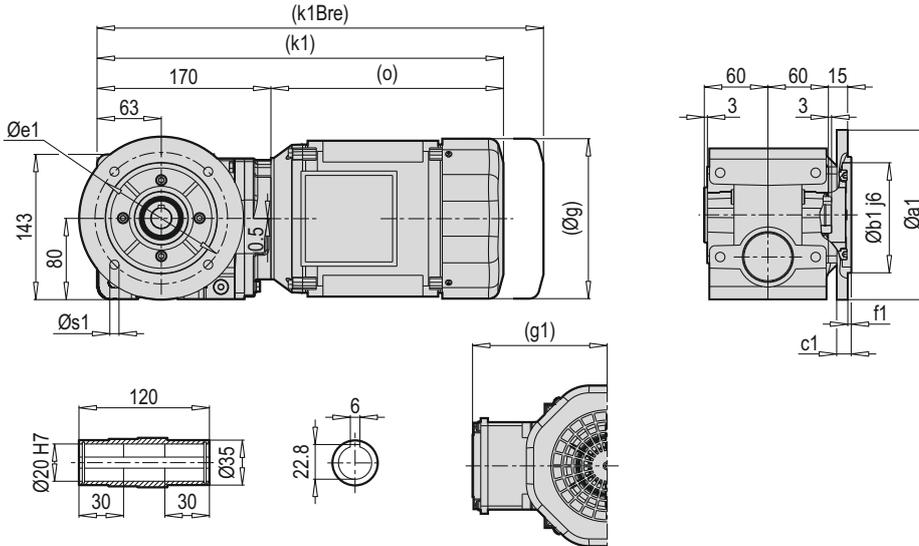
PSH 2040 TMA



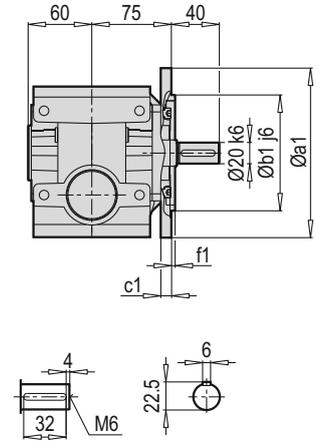
PSH 2040 ÇMA



PSH 2040 DG/B5



PSH 2040 TMG/B5

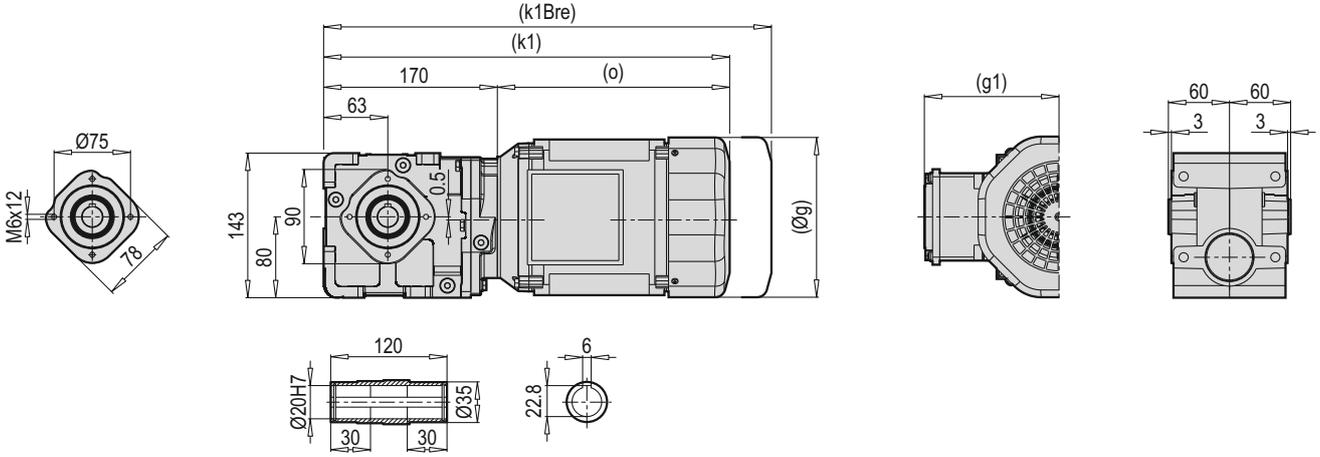


| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|-----|
| 120 | 80 | 10 | 100 | 3 | 6.6 |
| 160 | 110 | 10 | 130 | 3.5 | 9 |

| | 80 M | 90 L | | | | |
|-------------------|-------|------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k/k1 | 422.5 | 488 | | | | |
| kBre/k1Bre | 492.5 | 556 | | | | |
| o | 252.5 | 318 | | | | |
| j | 3 | 10 | | | | |

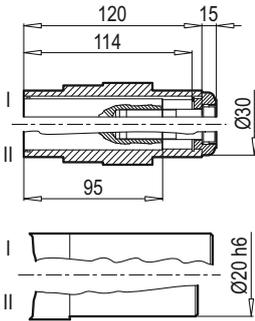
Not: (...) İşareti olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

PSH 2040 DG/B14



PSH 2040 DG/Ç

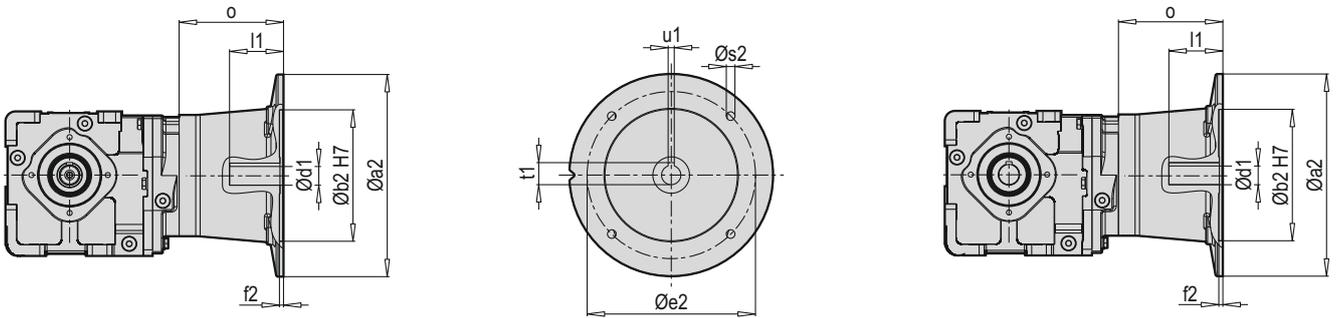
51 - 52



| | 80 M | 90 L | | | | |
|--------------|-------|------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k1 | 422.5 | 488 | | | | |
| k1Bre | 492.5 | 556 | | | | |
| o | 252.5 | 318 | | | | |

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

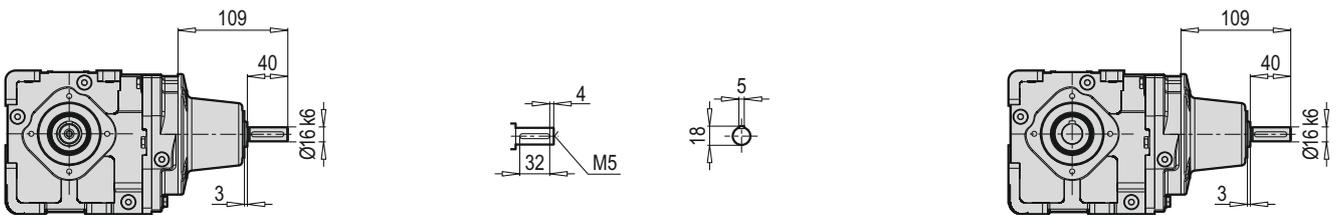
PSH 2040 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2040 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 85 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 103 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 103 |

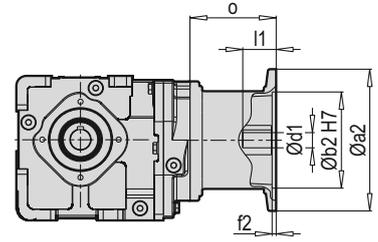
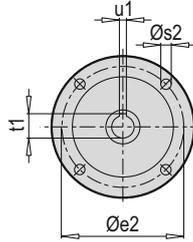
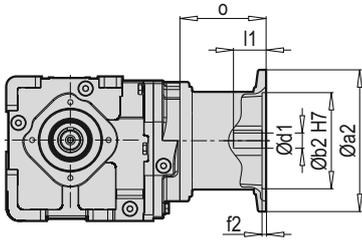
| ~Kg | |
|-----|----------|
| IEC | PSH 2040 |
| 63 | 10 |
| 71 | 11 |
| 80 | 13 |
| 90 | 13 |

PSH 2040 W



| W ~Kg | |
|----------|---|
| PSH 2040 | 9 |

PSH 2040 PAM B5/B14



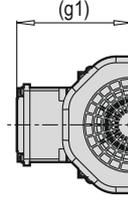
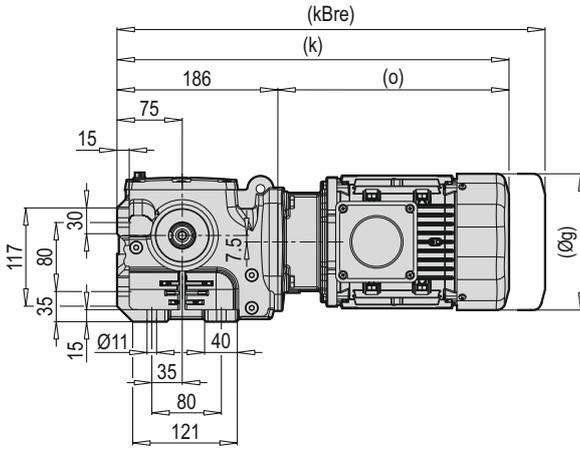
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2040 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 85 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 103 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 103 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2040 |
| 63 | 9 |
| 71 | 10 |
| 80 | 12 |
| 90 | 12 |

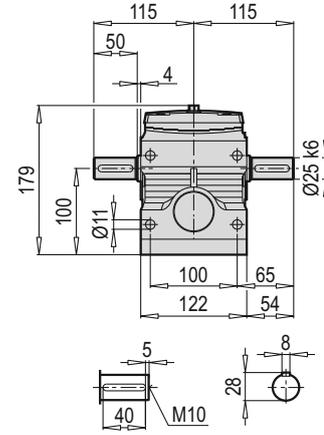
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2040 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 85 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 103 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 103 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2040 |
| 63 | 8 |
| 71 | 9 |
| 80 | 11 |
| 90 | 11 |

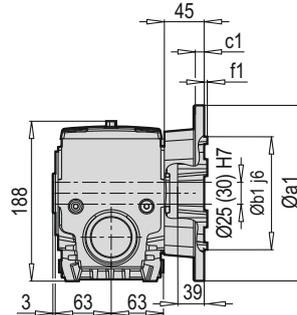
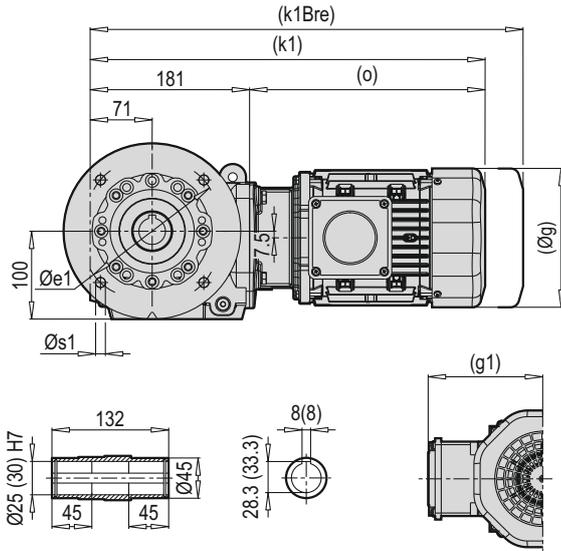
PSH 2050 TMA



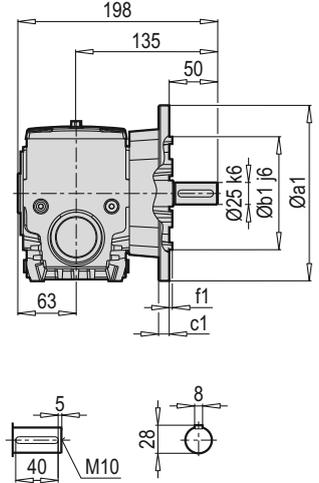
PSH 2050 ÇMA



PSH 2050 DG/B5



PSH 2050 TMG/B5



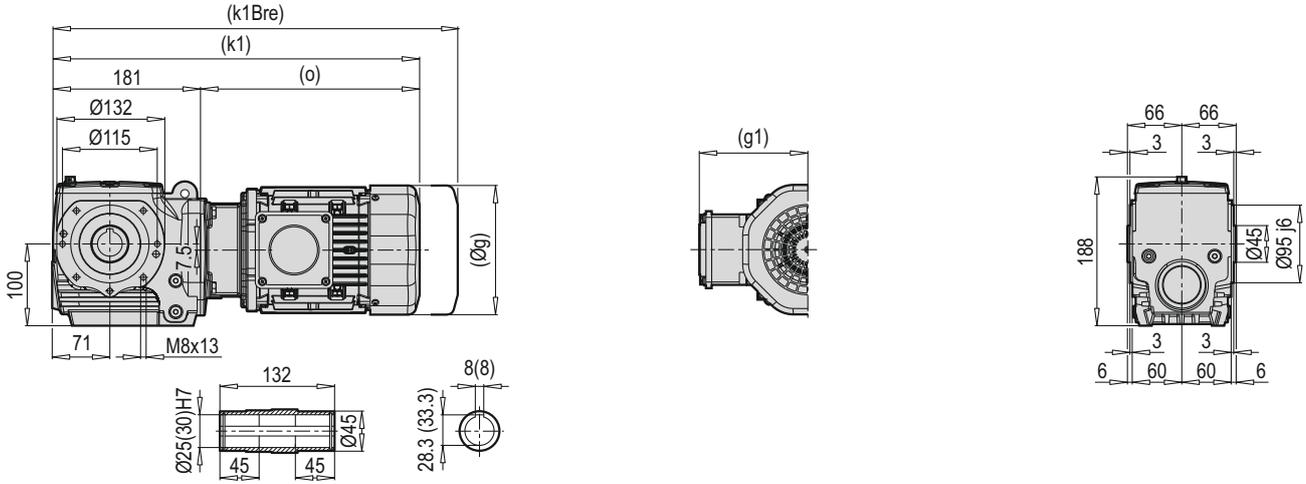
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|-------|
| 160 | 110 | 10 | 130 | 3.5 | 4 x 9 |

| | 80 M | 90 L | | | | |
|-------------------|-----------|---------------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k/k1 | 452 / 447 | 517.5 / 512.5 | | | | |
| kBre/k1Bre | 522 / 517 | 526 / 521 | | | | |
| o | 266 | 331.5 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

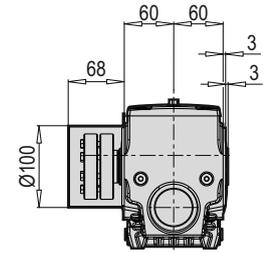
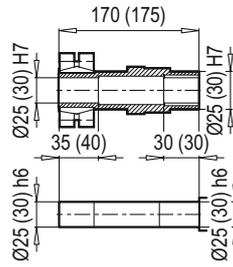
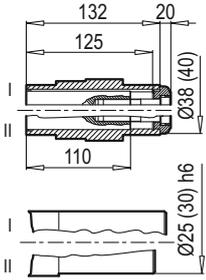
PSH 2050 DG/B14



PSH 2050 DG/Ç  51 - 52

PSH 2050 DG/KS  44

PSH 2050 DG/KS/KK  47

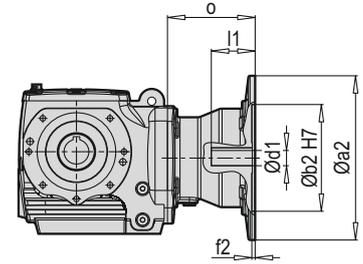
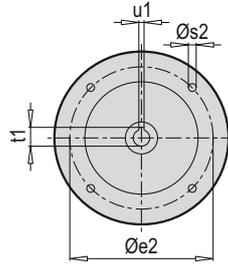
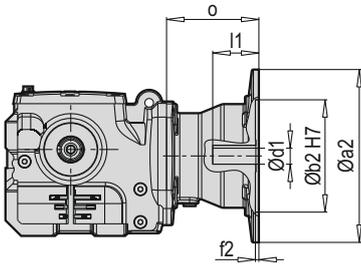


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 25/35 | 182 | 2.8 | 2.3 | M5x25 | 8 | 7 |
| KS 30/40 | 182 | 5.4 | 4.7 | M6x35* | 8 | 12 |

| | 80 M | 90 L | | | | |
|--------------|-------|-------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k1 | 447 | 512.5 | | | | |
| k1Bre | 517 | 521 | | | | |
| o | 266 | 331.5 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

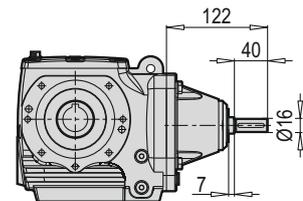
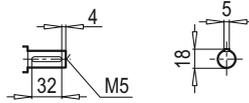
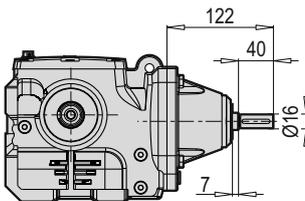
PSH 2050 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2050 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 105 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 105 |

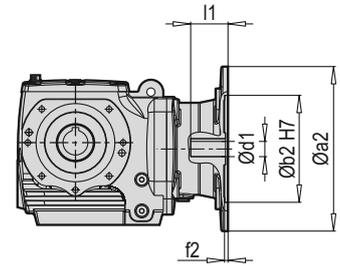
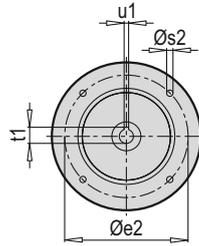
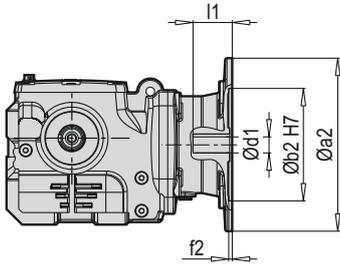
| ~Kg | |
|-----|----------|
| IEC | PSH 2050 |
| 63 | 19 |
| 71 | 20 |
| 80 | 23 |
| 90 | 23 |

PSH 2050 W



| W ~Kg | |
|----------|----|
| PSH 2050 | 18 |

PSH 2050 PAM B5/B14



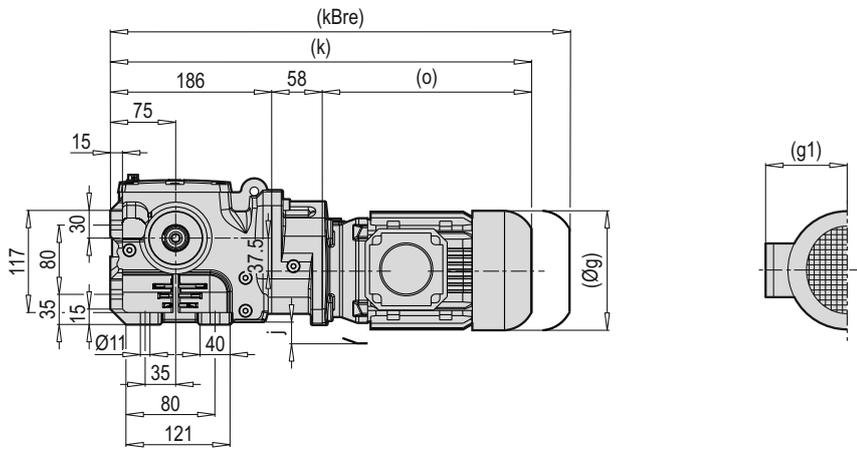
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2050 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 74 |

| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2050 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 75 |

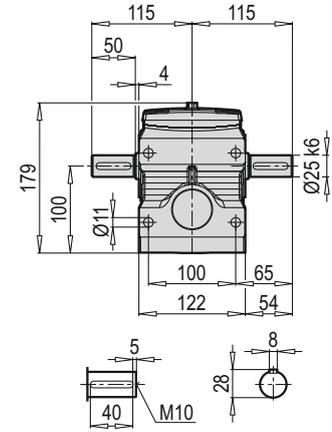
| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2050 |
| 63 | 16 |
| 71 | 16 |
| 80 | 17 |
| 90 | 17 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2050 |
| 63 | 15 |
| 71 | 15 |
| 80 | 16 |
| 90 | 16 |

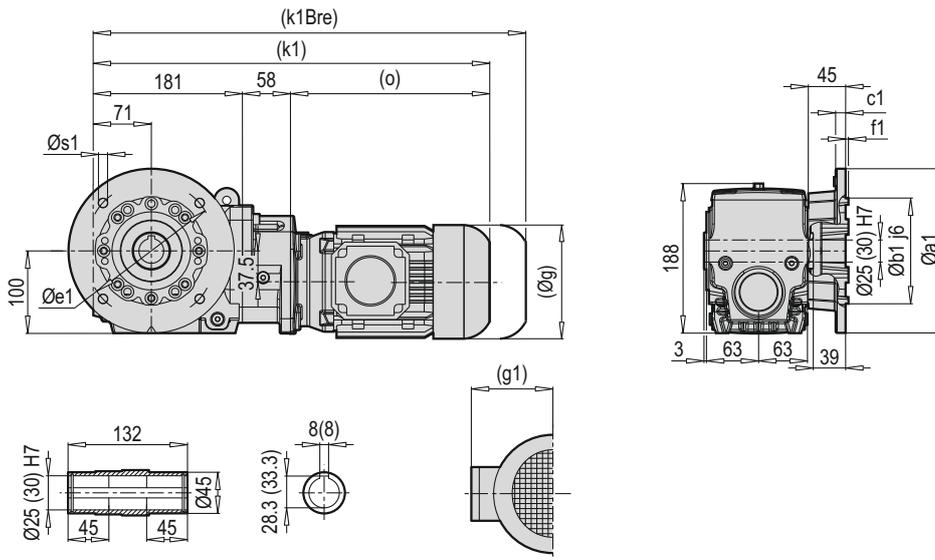
PSH 3050 TMA



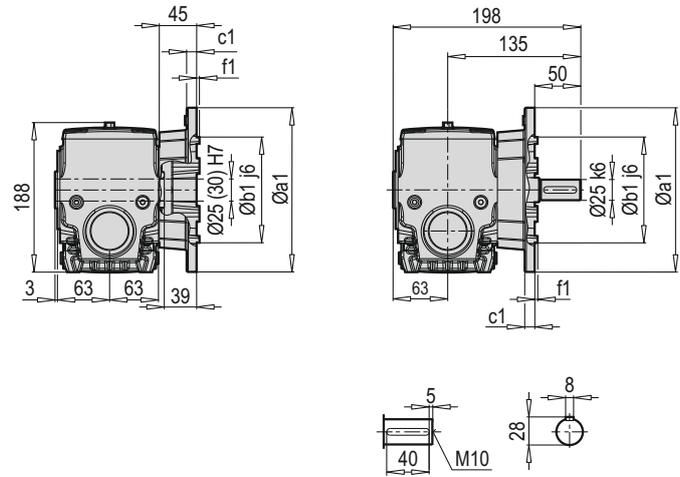
PSH 3050 ÇMA



PSH 3050 DG/B5



PSH 3050 TMG/B5



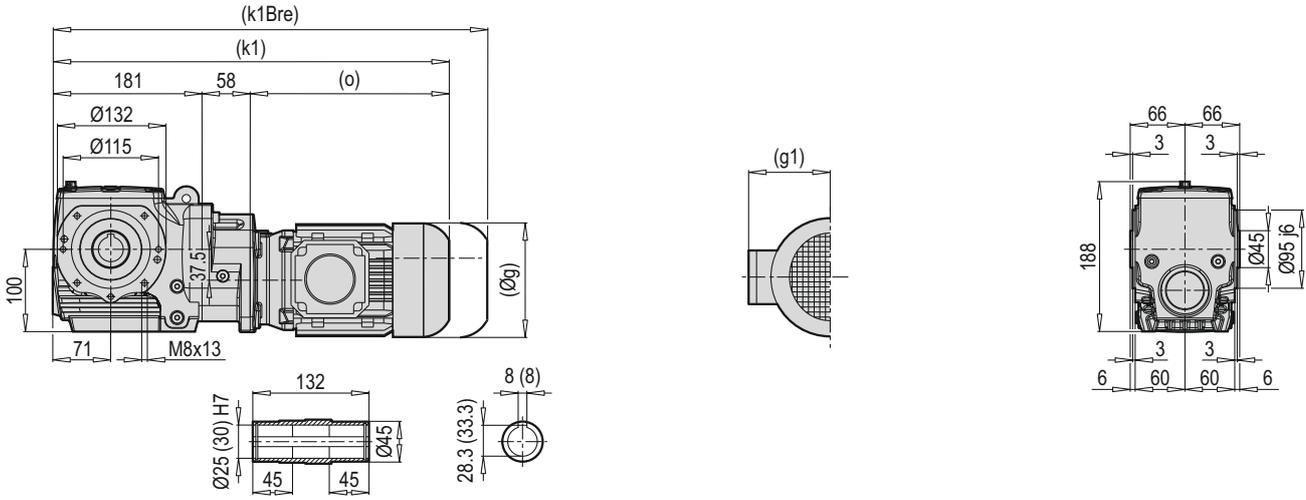
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|-------|
| 160 | 110 | 10 | 130 | 3.5 | 4 x 9 |

| | 63 M | 71 M | | | | |
|-------------------|-----------|-----------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k/k1 | 442 / 437 | 484 / 479 | | | | |
| kBre/k1Bre | 494 / 489 | 544 / 539 | | | | |
| o | 198 | 240 | | | | |
| j | 2.5 | 10 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

PSH 3050 DG/B14



PSH 3050 DG/Ç

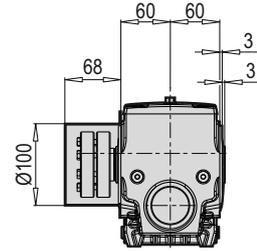
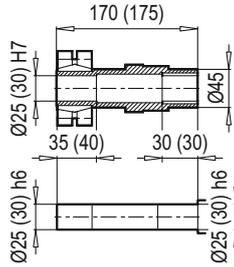
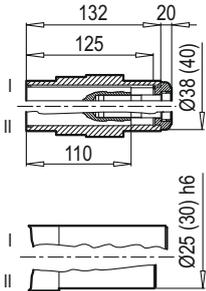
51 - 52

PSH 3050 DG/KS

44

PSH 3050 DG/KS/KK

47

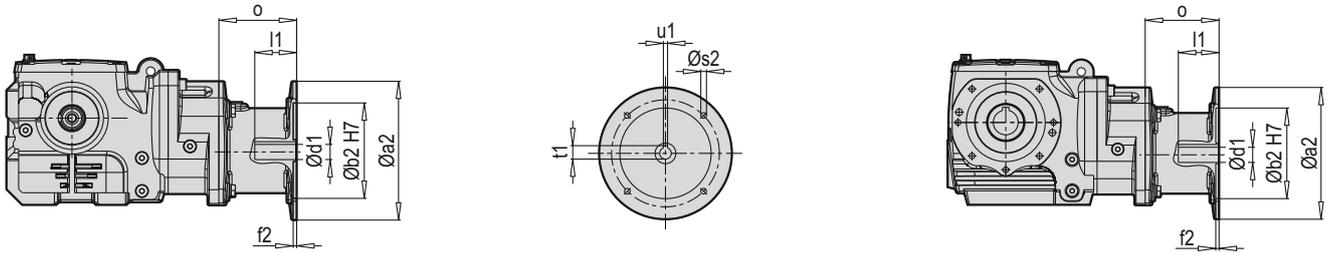


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı cıvata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 25/35 | 182 | 2.8 | 2.3 | M5x25 | 8 | 7 |
| KS 30/40 | 182 | 5.4 | 4.7 | M6x35* | 8 | 12 |

| | 63 M | 71 M | | | | |
|-------|------|------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k1 | 437 | 479 | | | | |
| k1Bre | 489 | 539 | | | | |
| o | 198 | 240 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

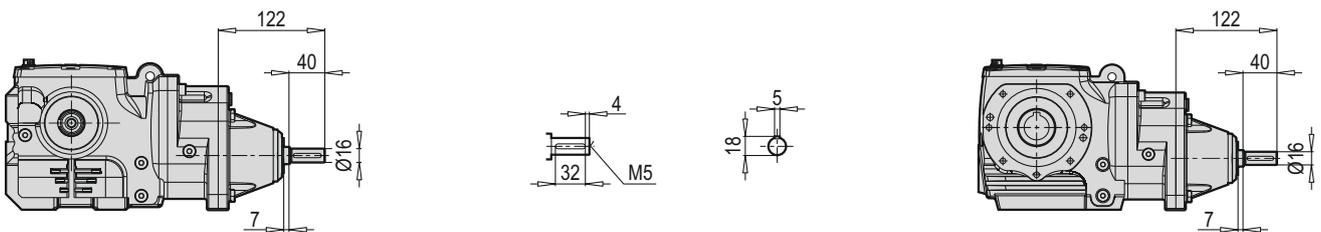
PSH 3050 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3050 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |

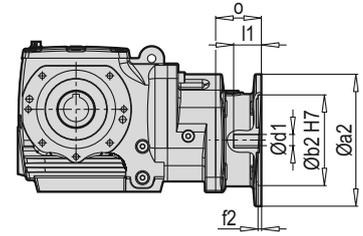
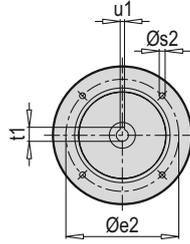
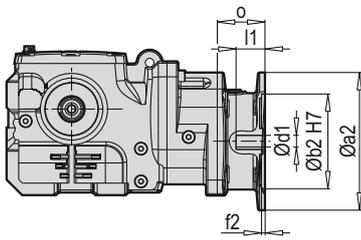
| ~ Kg | |
|------|----------|
| IEC | PSH 3050 |
| 63 | 24 |
| 71 | 25 |

PSH 3050 W



| W ~ Kg | |
|----------|----|
| PSH 3050 | 23 |

PSH 3050 PAM B5/B14



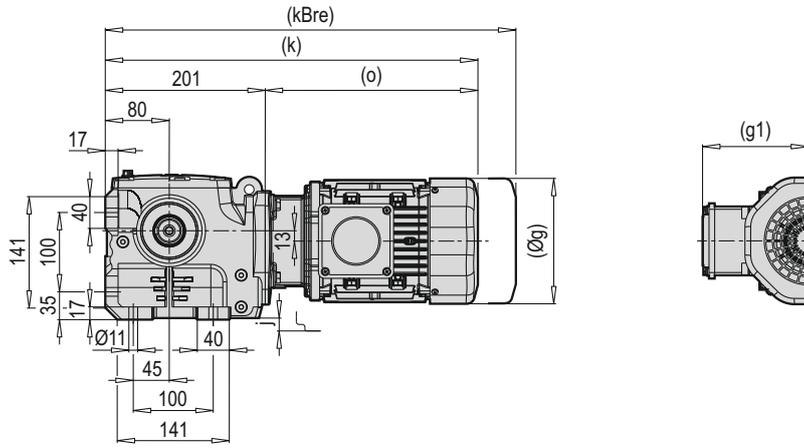
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3050 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |

| ~Kg | |
|--------|----------|
| PAM B5 | PSH 3050 |
| 63 | 21 |
| 71 | 21 |

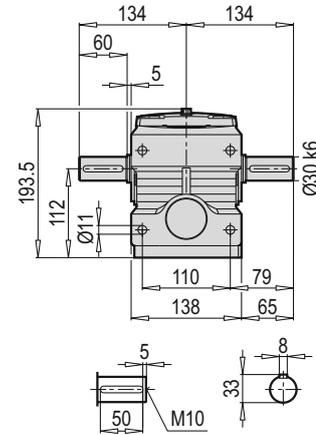
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3050 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |

| ~Kg | |
|---------|----------|
| PAM B14 | PSH 3050 |
| 63 | 20 |
| 71 | 20 |

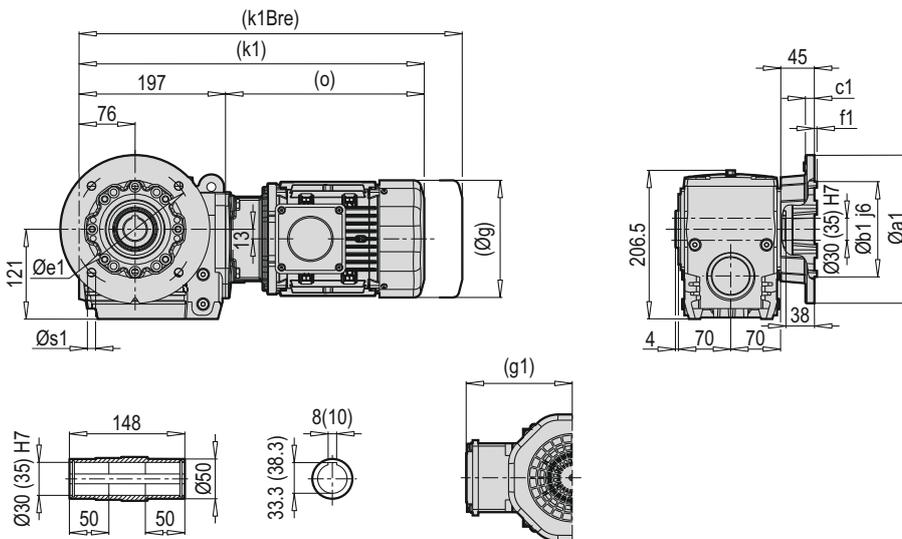
PSH 2063 TMA



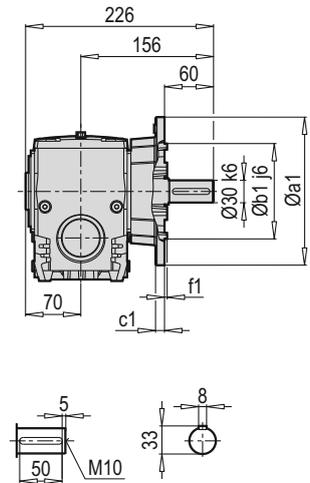
PSH 2063 ÇMA



PSH 2063 DG/B5



PSH 2063 TMG/B5



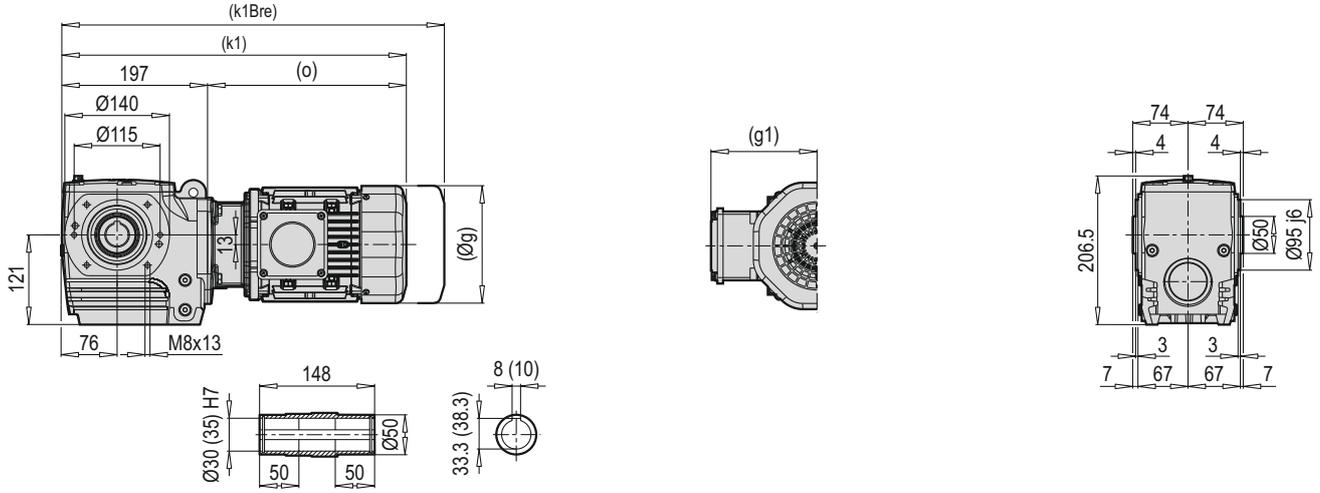
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| | 80 M | 90 L | 100L | | | |
|------------|-----------|---------------|---------------|--|--|--|
| g | 172 | 182 | 202 | | | |
| g1 | 130.5 | 130 | 153 | | | |
| k/k1 | 467 / 463 | 532.5 / 528.5 | 584 / 580 | | | |
| kBre/k1Bre | 537 / 533 | 541 / 537 | 667.5 / 663.5 | | | |
| o | 266 | 331.5 | 383 | | | |
| j | - | - | - | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

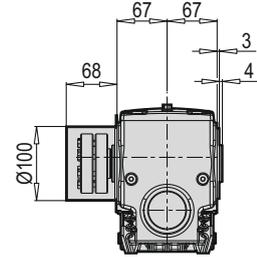
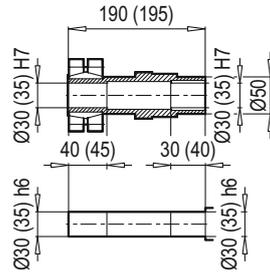
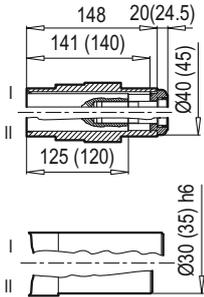
PSH 2063 DG/B14



PSH 2063 DG/Ç  51 - 52

PSH 2063 DG/KS  44

PSH 2063 DG/KS/KK  47

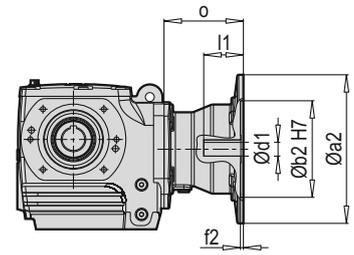
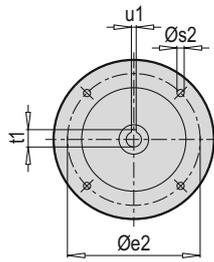
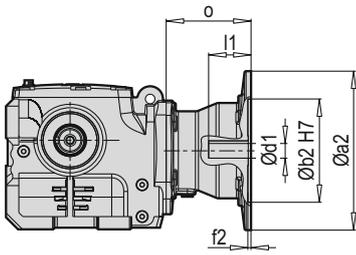


| Konik sıkırtma / Shrink disc / Schrupfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|---|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 30/40 | 383 | 2.6 | 2.2 | M6x35* | 8 | 12 |
| KS 35/46 | 383 | 3.0 | 3.2 | M6x35* | 10 | 12 |

| | 80 M | 90 L | 100L | | | |
|--------------|-------|-------|-------|--|--|--|
| g | 172 | 182 | 202 | | | |
| g1 | 130.5 | 130 | 153 | | | |
| k1 | 463 | 528.5 | 580 | | | |
| k1Bre | 533 | 537 | 663.5 | | | |
| o | 266 | 331.5 | 383 | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

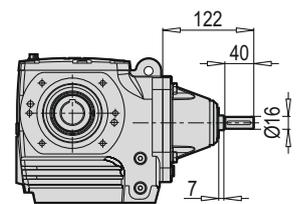
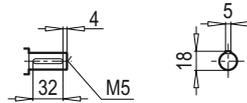
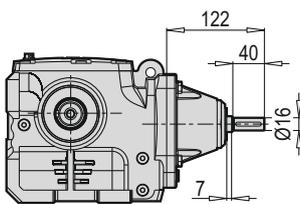
PSH 2063 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2063 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 105 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 105 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 130 |

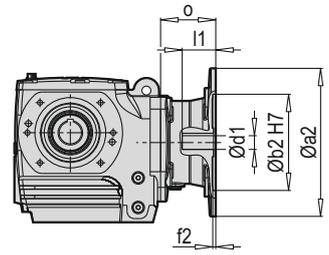
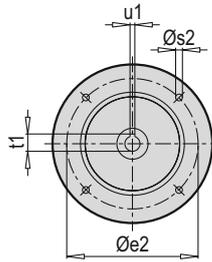
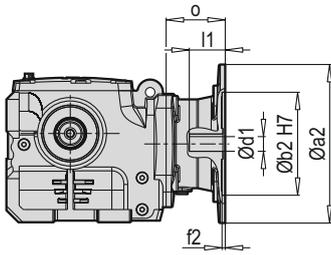
| ~Kg | |
|-----|----------|
| IEC | PSH 2063 |
| 63 | 23 |
| 71 | 24 |
| 80 | 27 |
| 90 | 27 |
| 100 | 34 |

PSH 2063 W



| W ~Kg | |
|----------|----|
| PSH 2063 | 22 |

PSH 2063 PAM B5/B14



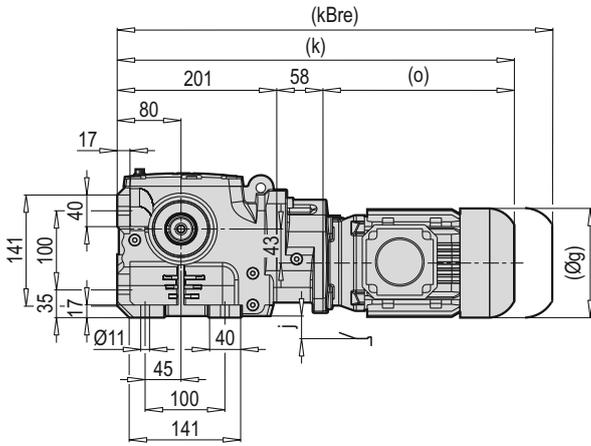
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|-------|
| PSH 2063 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 74 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 131.5 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2063 |
| 63 | 20 |
| 71 | 20 |
| 80 | 21 |
| 90 | 21 |
| 100 | 28 |

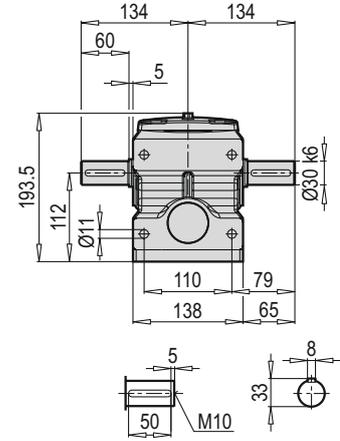
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2063 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 74 |
| | 100 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2063 |
| 63 | 19 |
| 71 | 19 |
| 80 | 20 |
| 90 | 20 |
| 100 | 21 |

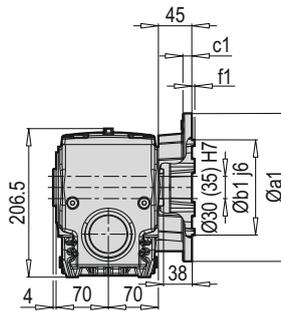
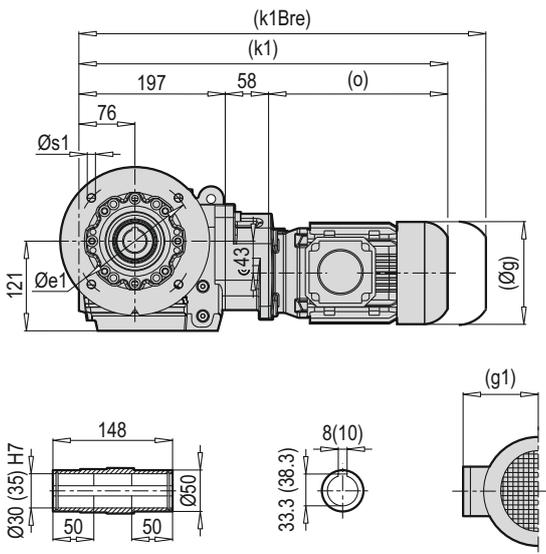
PSH 3063 TMA



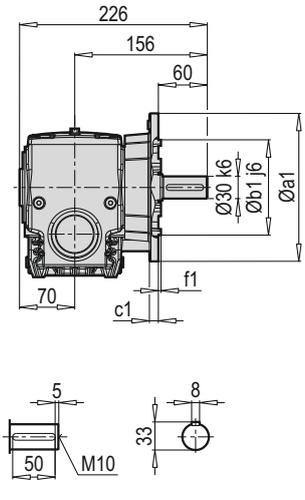
PSH 3063 ÇMA



PSH 3063 DG/B5



PSH 3063 TMG/B5



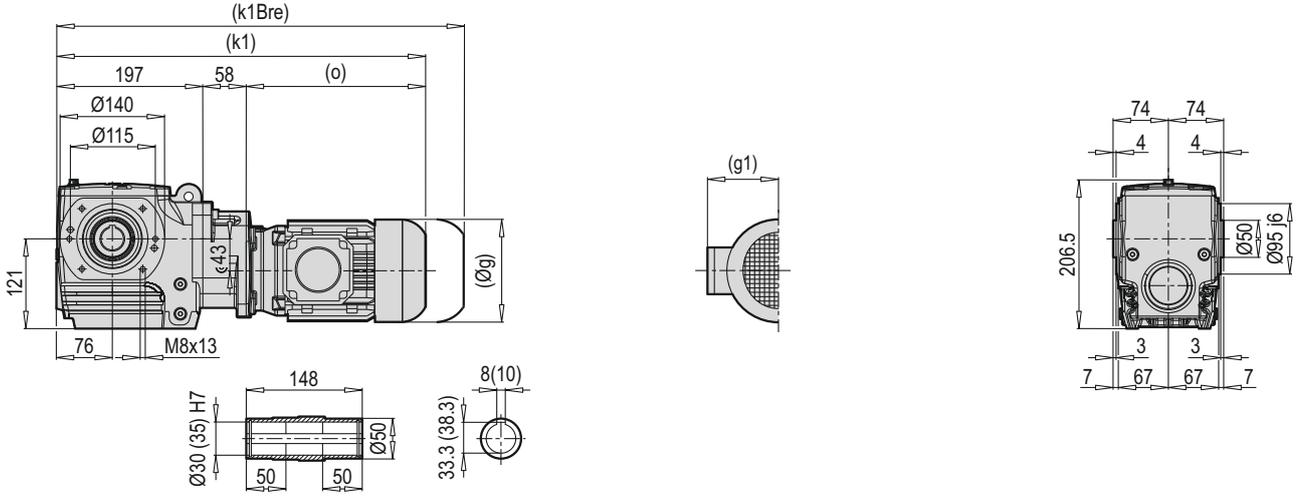
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| | 63 M | 71 M | | | | |
|-------------------|-----------|-----------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k/k1 | 457 / 453 | 499 / 495 | | | | |
| kBre/k1Bre | 509 / 505 | 559 / 555 | | | | |
| o | 198 | 240 | | | | |
| j | - | 3.5 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

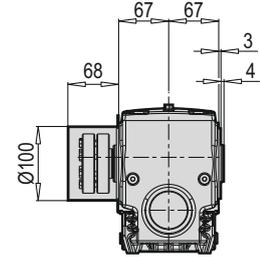
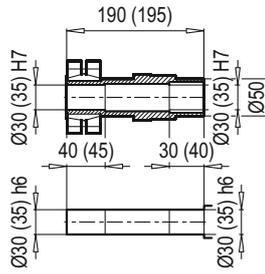
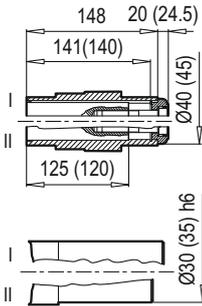
PSH 3063 DG/B14



PSH 3063 DG/Ç  51 - 52

PSH 3063 DG/KS  44

PSH 3063 DG/KS/KK  47

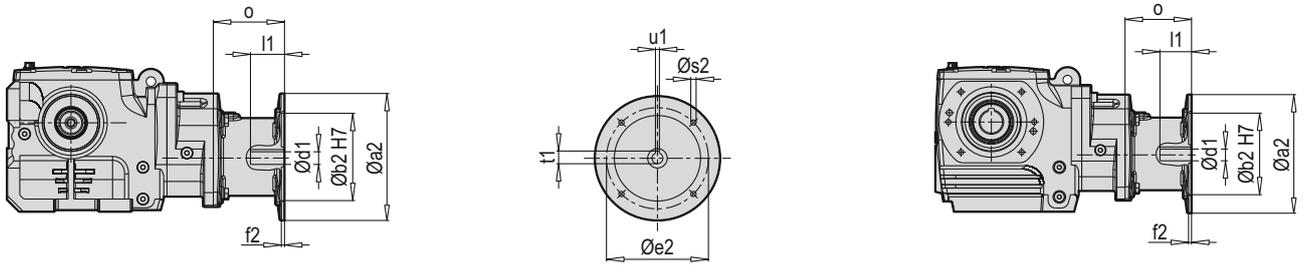


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 30/40 | 383 | 2.6 | 2.2 | M6x35* | 8 | 12 |
| KS 35/46 | 383 | 3.0 | 3.2 | M6x35* | 10 | 12 |

| | 63 M | 71 M | | | | |
|--------------|------|------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k1 | 453 | 495 | | | | |
| k1Bre | 505 | 555 | | | | |
| o | 198 | 240 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

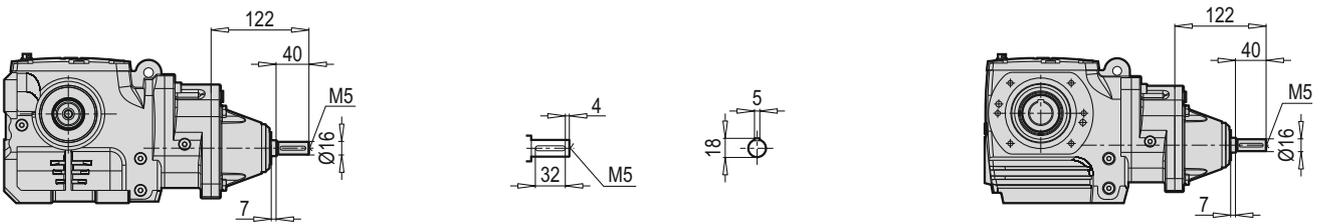
PSH 3063 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3063 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |

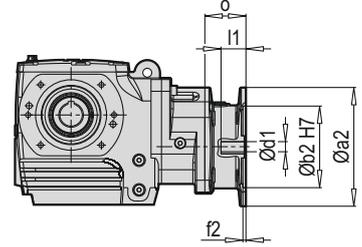
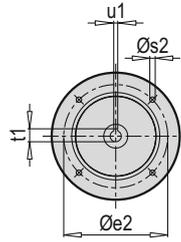
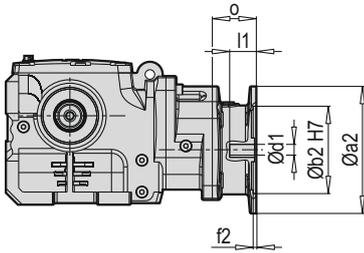
| ~Kg | |
|-----|----------|
| IEC | PSH 3063 |
| 63 | 28 |
| 71 | 29 |

PSH 3063 W



| W ~Kg | |
|----------|----|
| PSH 3063 | 27 |

PSH 3063 PAM B5/B14



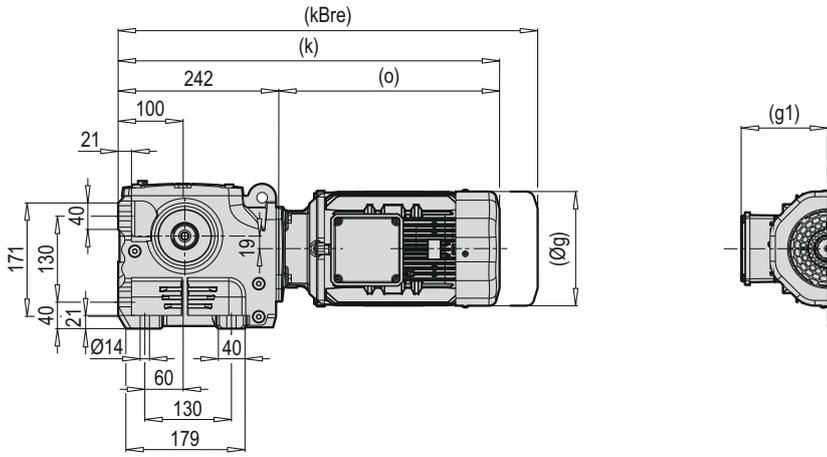
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3063 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 3063 |
| 63 | 25 |
| 71 | 25 |

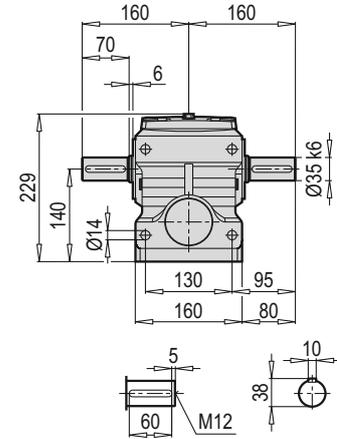
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3063 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 3063 |
| 63 | 24 |
| 71 | 24 |

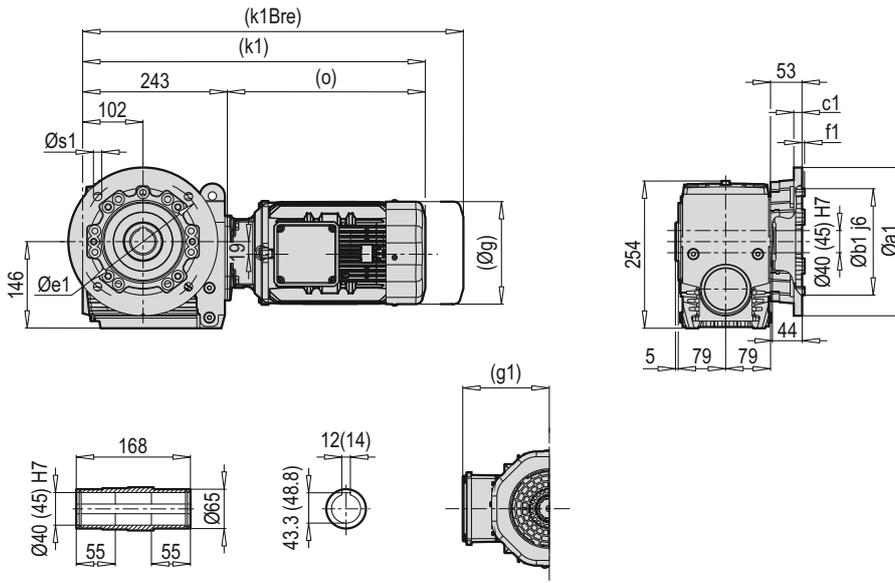
PSH 2080 TMA



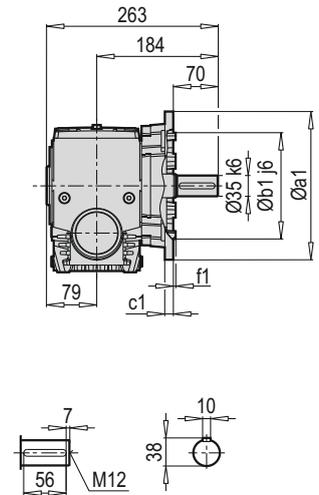
PSH 2080 ÇMA



PSH 2080 DG/B5



PSH 2080 TMG/B5



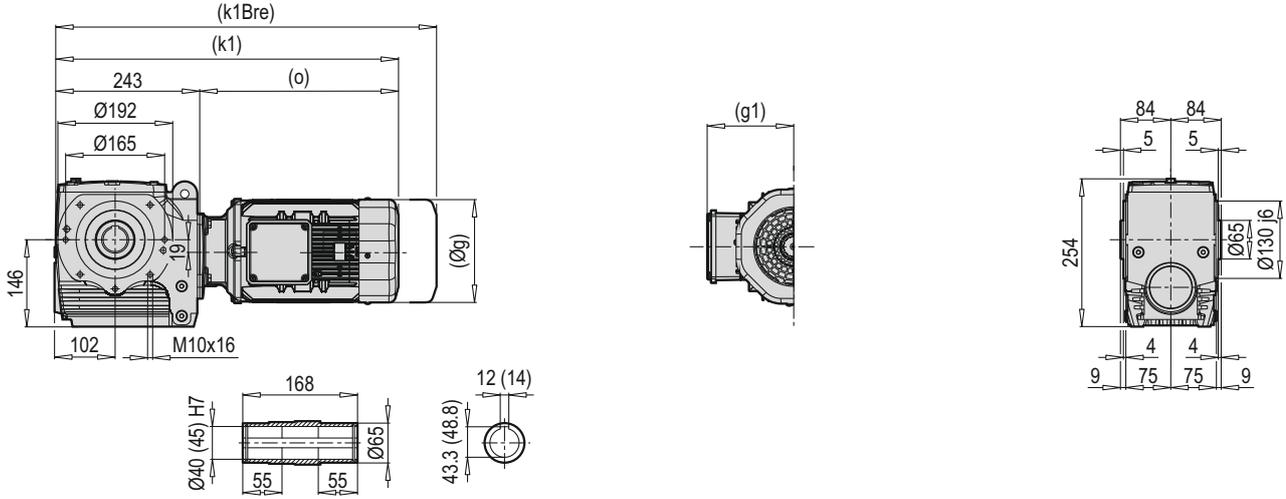
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 250 | 180 | 15 | 215 | 4 | 4 x 14 |
| 300 | 230 | 20 | 265 | 4 | 4 x 14 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| | 80 M | 90 L | 100 L | 112 M | | |
|-------------------|-----------|---------------|---------------|---------------|--|--|
| g | 172 | 182 | 102 | 220 | | |
| g1 | 130.5 | 130 | 153 | 158.5 | | |
| k/k1 | 508 / 509 | 573.5 / 574.5 | 625 / 626 | 620 / 621 | | |
| kBre/k1Bre | 578 / 579 | 582 / 583 | 708.5 / 709.5 | 719.5 / 720.5 | | |
| o | 266 | 331.5 | 383 | 378 | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

PSH 2080 DG/B14



PSH 2080 DG/Ç

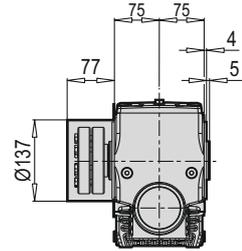
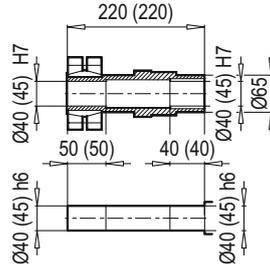
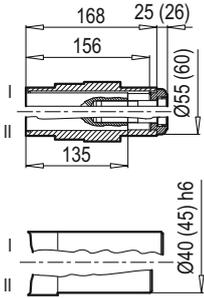
51 - 52

PSH 2080 DG/KS

44

PSH 2080 DG/KS/KK

47

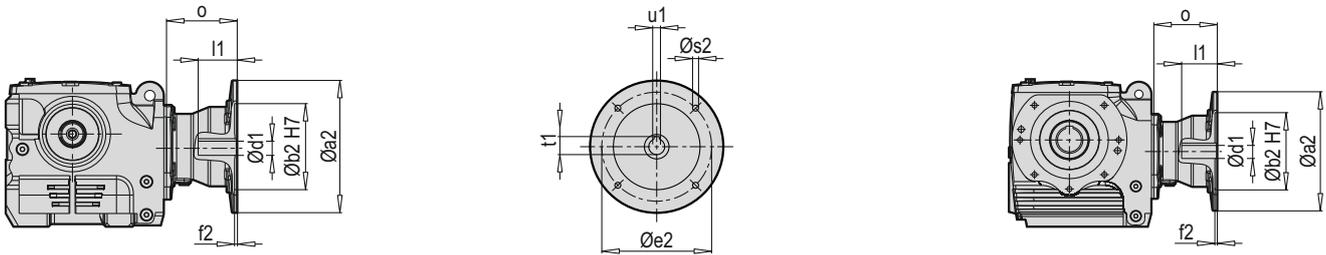


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 40/55 | 779 | 3.0 | 2.6 | M8x40 | 8 | 30 |
| KS 45/55 | 779 | 4.1 | 3.8 | M8x40 | 8 | 30 |

| | 80 M | 90 L | 100 L | 112 M | | |
|--------------|-------|-------|-------|-------|--|--|
| g | 172 | 182 | 102 | 220 | | |
| g1 | 130.5 | 130 | 153 | 158.5 | | |
| k1 | 509 | 574.5 | 626 | 621 | | |
| k1Bre | 579 | 583 | 709.5 | 720.5 | | |
| o | 266 | 331.5 | 383 | 378 | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

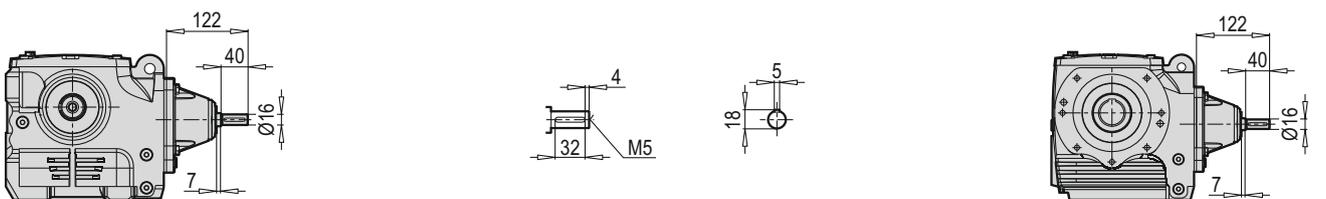
PSH 2080 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2080 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 105 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 105 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 130 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 130 |

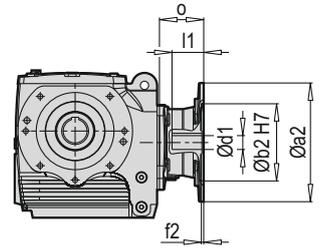
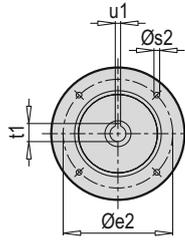
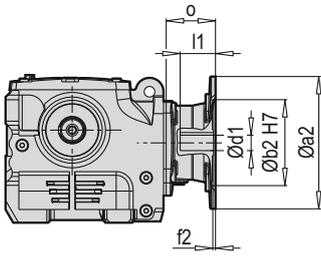
| ~ Kg | |
|------|----------|
| IEC | PSH 2080 |
| 63 | 33 |
| 71 | 34 |
| 80 | 37 |
| 90 | 37 |
| 100 | 44 |
| 112 | 44 |

PSH 2080 W



| W ~ Kg | |
|----------|----|
| PSH 2080 | 32 |

PSH 2080 PAM B5/B14



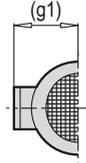
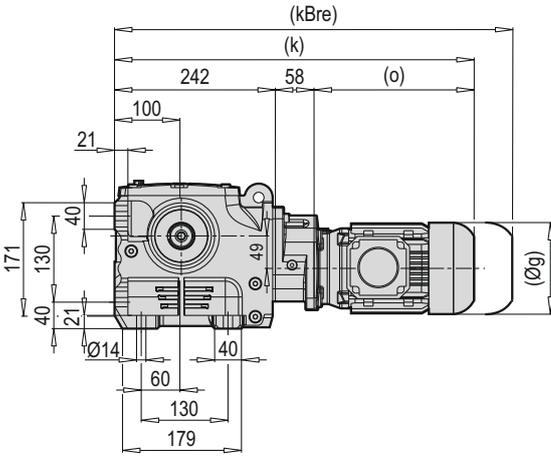
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|-------|
| PSH 2080 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 74 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 131.5 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 131.5 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2080 |
| 63 | 30 |
| 71 | 30 |
| 80 | 31 |
| 90 | 31 |
| 100 | 38 |
| 112 | 38 |

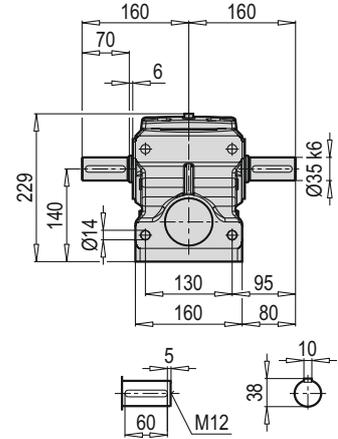
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2080 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 74 |
| | 100 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2080 |
| 63 | 29 |
| 71 | 29 |
| 80 | 30 |
| 90 | 30 |
| 100 | 31 |
| 112 | 31 |

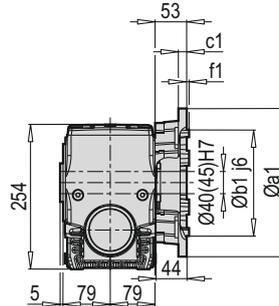
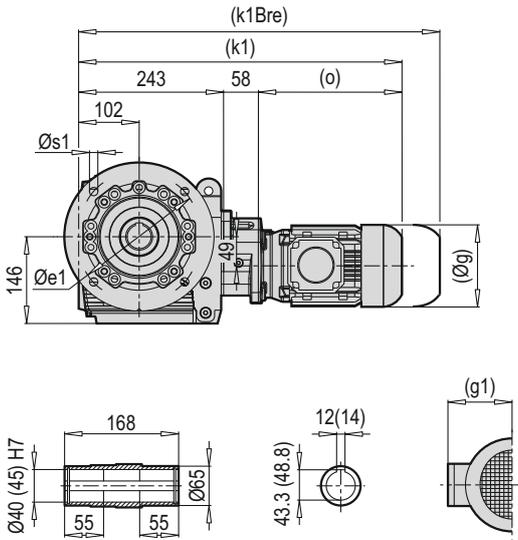
PSH 3080 TMA



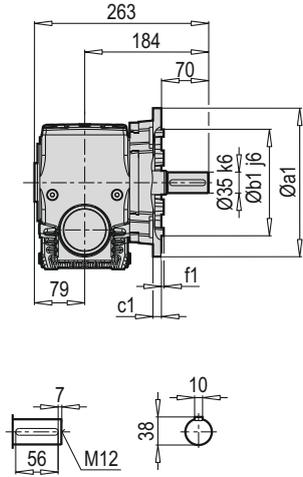
PSH 3080 ÇMA



PSH 3080 DG/B5



PSH 3080 TMG/B5



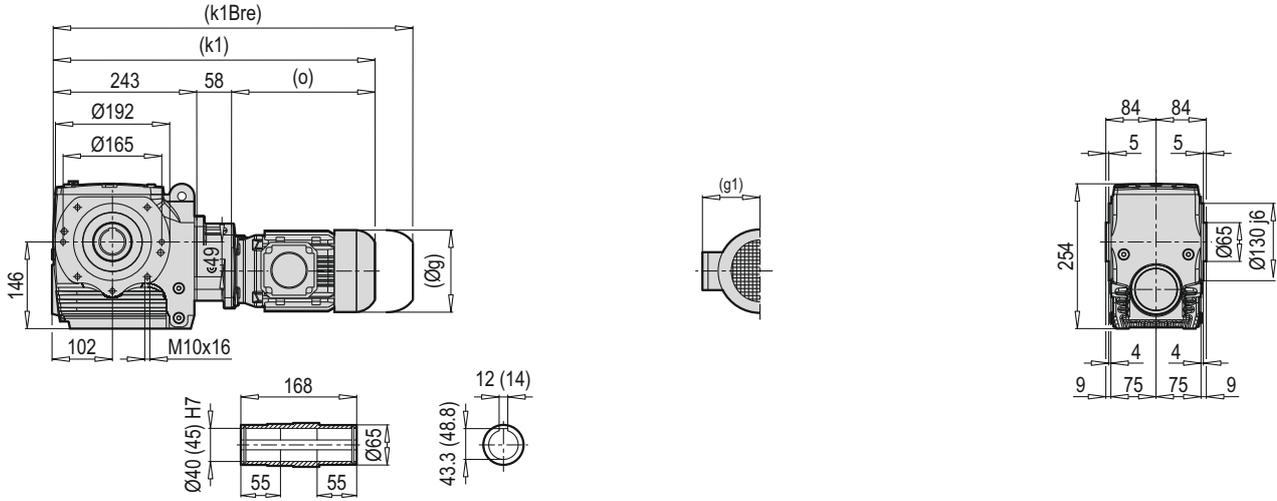
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 250 | 180 | 15 | 215 | 4 | 4 x 14 |
| 300 | 230 | 20 | 265 | 4 | 4 x 14 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|-----|--------|
| 200 | 130 | 12 | 165 | 3.5 | 4 x 11 |

| | 63 M | 71 M | | | | |
|-------------------|-----------|-----------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k/k1 | 498 / 499 | 540 / 541 | | | | |
| kBre/k1Bre | 550 / 551 | 600 / 601 | | | | |
| o | 198 | 240 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

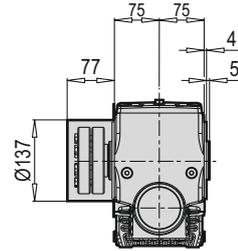
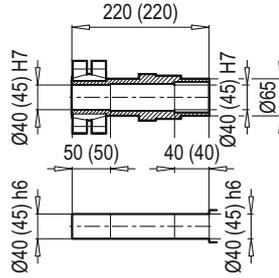
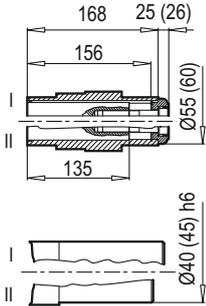
PSH 3080 DG/B14



PSH 3080 DG/Ç  51 - 52

PSH 3080 DG/KS  44

PSH 3080 DG/KS/KK  47

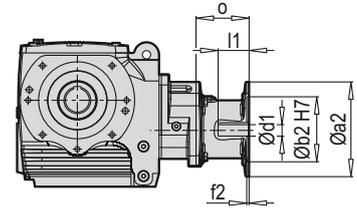
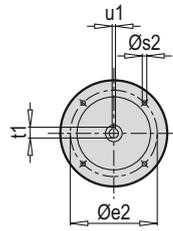
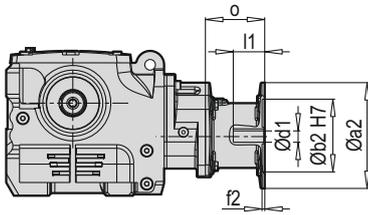


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 40/55 | 779 | 3.0 | 2.6 | M8x40 | 8 | 30 |
| KS 45/55 | 779 | 4.1 | 3.8 | M8x40 | 8 | 30 |

| | 63 M | 71 M | | | | |
|--------------|------|------|--|--|--|--|
| g | 124 | 140 | | | | |
| g1 | 111 | 119 | | | | |
| k1 | 499 | 541 | | | | |
| k1Bre | 551 | 601 | | | | |
| o | 198 | 240 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

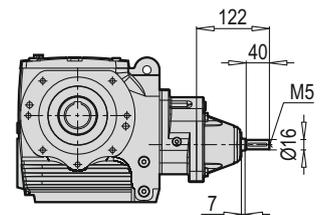
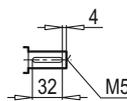
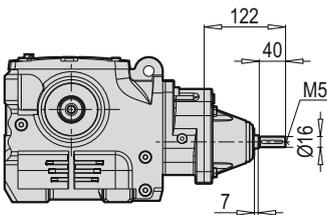
PSH 3080 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3080 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |

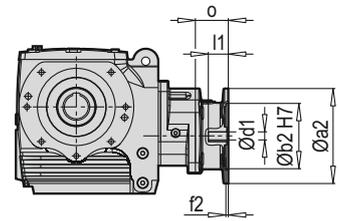
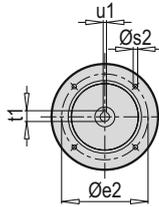
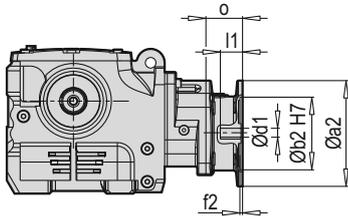
| ~ Kg | |
|------|----------|
| IEC | PSH 3080 |
| 63 | 38 |
| 71 | 39 |

PSH 3080 W



| W ~ Kg | |
|----------|----|
| PSH 3080 | 37 |

PSH 3080 PAM B5/B14



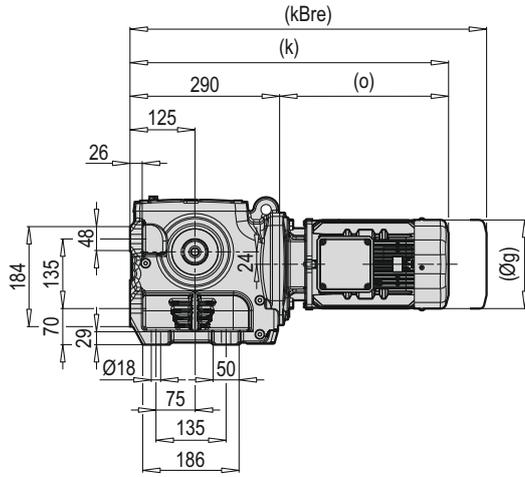
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3080 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 3080 |
| 63 | 35 |
| 71 | 35 |

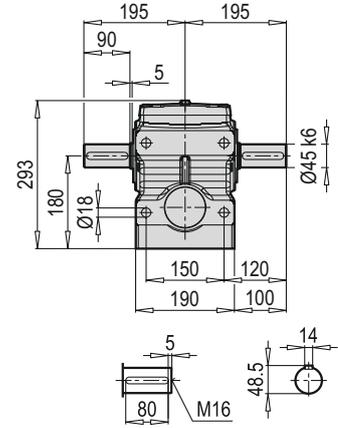
| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3080 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 3080 |
| 63 | 34 |
| 71 | 34 |

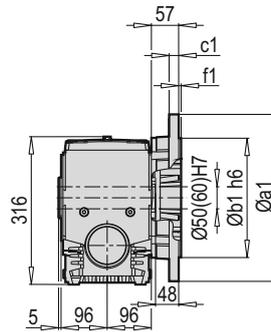
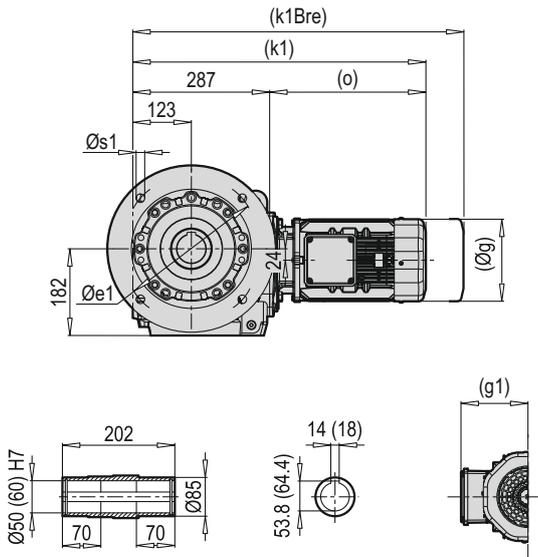
PSH 2100 TMA



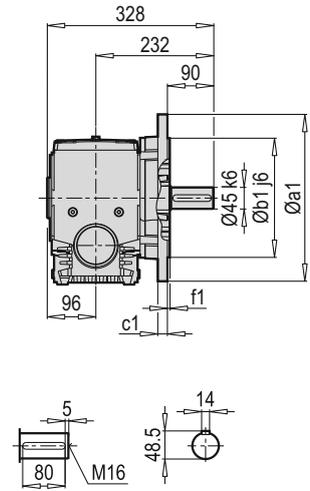
PSH 2100 ÇMA



PSH 2100 DG/B5



PSH 2100 TMG/B5



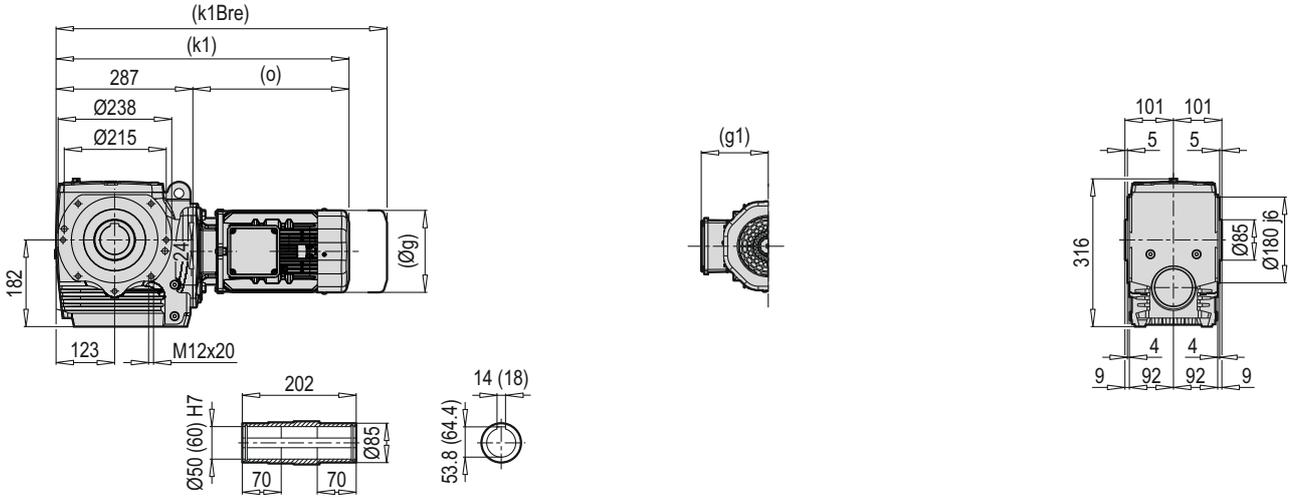
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 350 | 250 | 20 | 300 | 5 | 4 x 18 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 250 | 180 | 16 | 215 | 4 | 4 x 14 |

| | 80 M | 90 L | 100 L | 112 M | 132 S | 132 M | | |
|-------------------|-----------|---------------|---------------|---------------|---------------|---------------|--|--|
| g | 172 | 182 | 202 | 220 | 270.5 | 270.5 | | |
| g1 | 130.5 | 130 | 153 | 158.5 | 187.5 | 187.5 | | |
| k/k1 | 550 / 547 | 615.5 / 612.5 | 667 / 664 | 661.5 / 658.5 | 736.5 / 733.5 | 736.5 / 733.5 | | |
| kBre/k1Bre | 620 / 617 | 684 / 681 | 750.5 / 747.5 | 761.5 / 758.5 | 836 / 833 | 863.5 / 860.5 | | |
| o | 260 | 325.5 | 377 | 371.5 | 446.5 | 446.5 | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

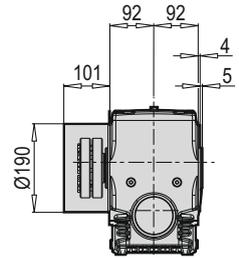
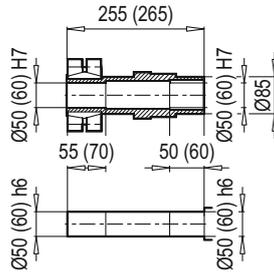
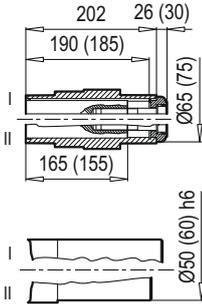
PSH 2100 DG/B14



PSH 2100 DG/Ç  51 - 52

PSH 2100 DG/KS  44

PSH 2100 DG/KS/KK  47



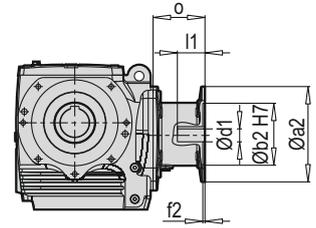
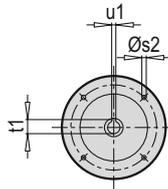
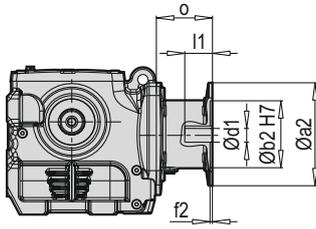
 47

| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 50/62 | 1604 | 2.7 | 2.6 | M8x40 | 10 | 30 |
| KS 60/76 | 1604 | 5.1 | 4.7 | M10x50 | 10 | 59 |

| | 80 M | 90 L | 100 L | 112 M | 132 S | 132 M | | |
|--------------|-------|-------|-------|-------|-------|-------|--|--|
| g | 172 | 182 | 202 | 220 | 270.5 | 270.5 | | |
| g1 | 130.5 | 130 | 153 | 158.5 | 187.5 | 187.5 | | |
| k1 | 547 | 612.5 | 664 | 658.5 | 733.5 | 733.5 | | |
| k1Bre | 617 | 681 | 747.5 | 758.5 | 833 | 860.5 | | |
| o | 260 | 325.5 | 377 | 371.5 | 446.5 | 446.5 | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

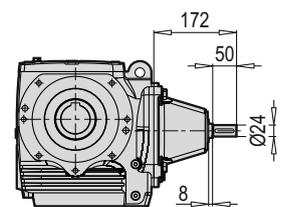
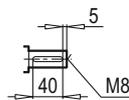
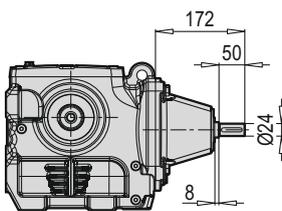
PSH 2100 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 2100 | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 107 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 107 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 124 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 124 |
| | 132 | 300 | 230 | 265 | 5.0 | M12 | 38 | 80 | 41.3 | 10 | 156 |

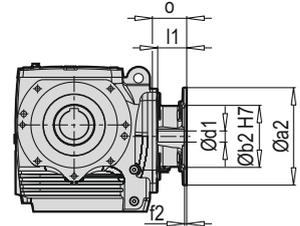
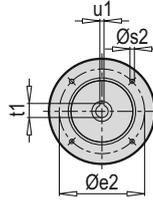
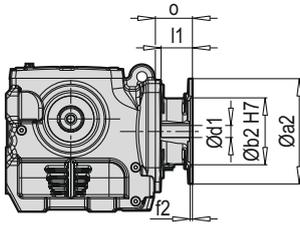
| ~Kg | |
|-----|----------|
| IEC | PSH 2100 |
| 71 | 61 |
| 80 | 65 |
| 90 | 65 |
| 100 | 69 |
| 112 | 69 |
| 132 | 78 |

PSH 2100 W



| W ~Kg | |
|----------|----|
| PSH 2100 | 63 |

PSH 2100 PAM B5/B14



| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2100 | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 72 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |
| | 132 | 300 | 230 | 265 | 5.0 | M12 | 38 | 80 | 41.3 | 10 | 94 |

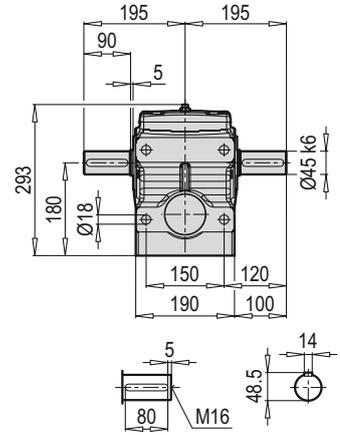
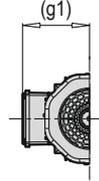
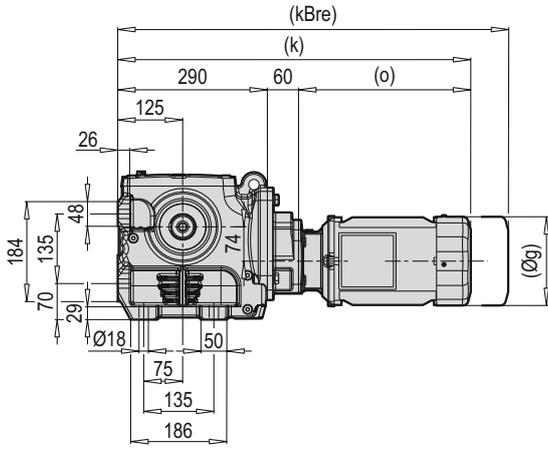
| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2100 |
| 71 | 55.5 |
| 80 | 56.5 |
| 90 | 56.5 |
| 100 | 57.5 |
| 112 | 57.5 |
| 132 | 67.5 |

| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2100 | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 72 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 132 | 200 | 130 | 165 | 5.0 | 11 | 38 | 80 | 41.3 | 10 | 94 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2100 |
| 71 | 53.5 |
| 80 | 54.5 |
| 90 | 54.5 |
| 100 | 56.5 |
| 112 | 56.5 |
| 132 | 60.5 |

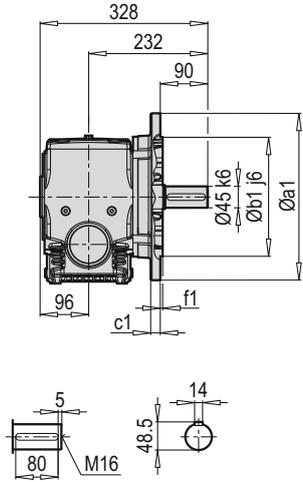
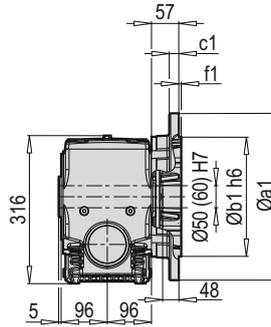
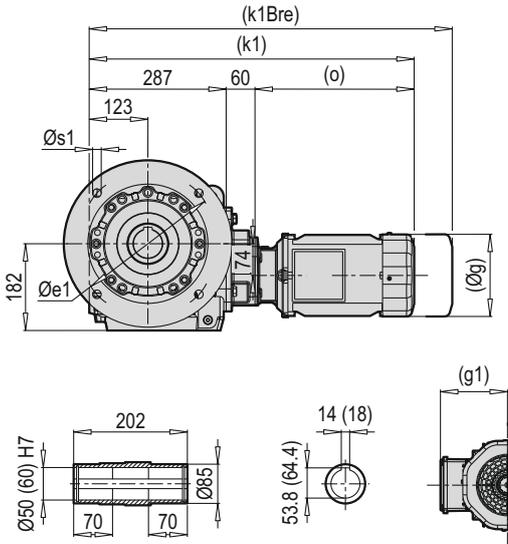
PSH 3100 TMA

PSH 3100 ÇMA



PSH 3100 DG/B5

PSH 3100 TMG/B5



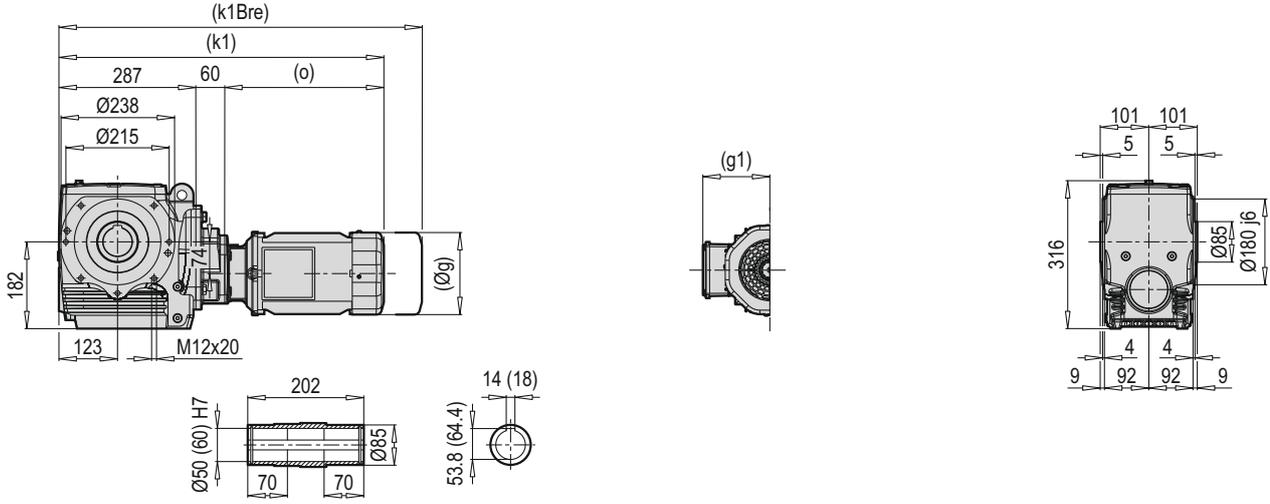
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 350 | 250 | 20 | 300 | 5 | 4 x 18 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 250 | 180 | 16 | 215 | 4 | 4 x 14 |

| | 80 M | 90 L | | | | |
|-------------------|-----------|---------------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k/k1 | 616 / 613 | 681.5 / 678.5 | | | | |
| kBre/k1Bre | 686 / 683 | 690 / 687 | | | | |
| o | 266 | 331.5 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

PSH 3100 DG/B14



PSH 3100 DG/Ç



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PSH 3100 DG/KS

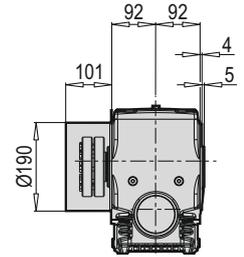
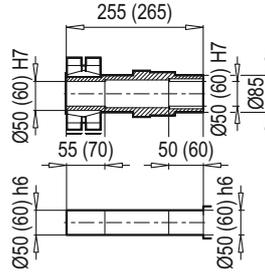
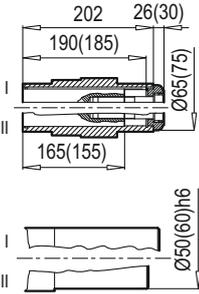


44

PSH 3100 DG/KS/KK



47

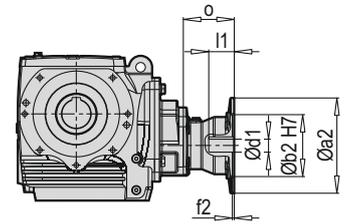
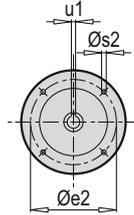
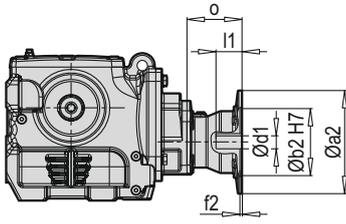


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı cıvata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 50/62 | 1604 | 2.7 | 2.6 | M8x40 | 10 | 30 |
| KS 60/76 | 1604 | 5.1 | 4.7 | M10x50 | 10 | 59 |

| | 80 M | 90 L | | | | |
|--------------|-------|-------|--|--|--|--|
| g | 172 | 182 | | | | |
| g1 | 130.5 | 130 | | | | |
| k1 | 613 | 678.5 | | | | |
| k1Bre | 683 | 687 | | | | |
| o | 266 | 331.5 | | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

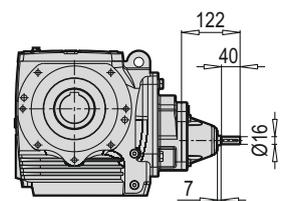
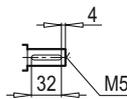
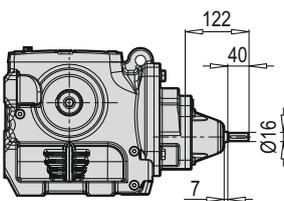
PSH 3100 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 3100 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 89 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 105 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 105 |

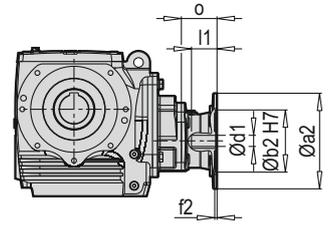
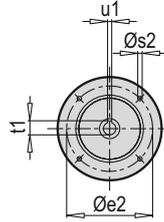
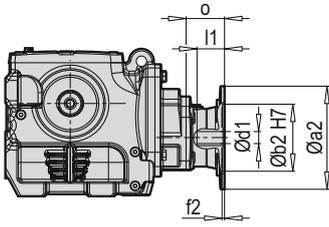
| ~ Kg | |
|------|----------|
| IEC | PSH 3100 |
| 63 | 66 |
| 71 | 67 |
| 80 | 70 |
| 90 | 70 |

PSH 3100 W



| W ~ Kg | |
|----------|----|
| PSH 3100 | 65 |

PSH 3100 PAM B5/B14



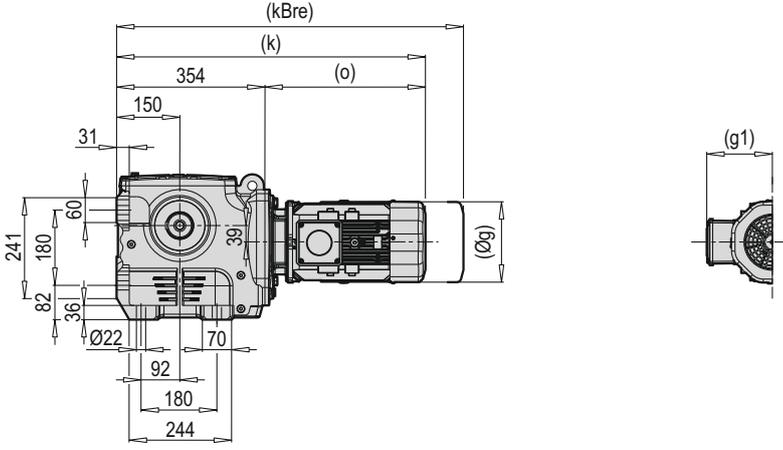
| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3100 | 63 | 140 | 95 | 115 | 3.5 | M8 | 11 | 23 | 12.8 | 4 | 85 |
| | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 74 |

| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3100 | 63 | 90 | 60 | 75 | 4.0 | 6 | 11 | 23 | 12.8 | 4 | 60 |
| | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 55 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 74 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 74 |

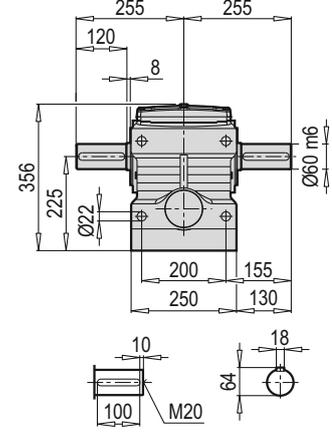
| ~Kg | |
|--------|----------|
| PAM B5 | PSH 3100 |
| 63 | 60.5 |
| 71 | 60.5 |
| 80 | 61.5 |
| 90 | 61.5 |

| ~Kg | |
|---------|----------|
| PAM B14 | PSH 3100 |
| 63 | 59.5 |
| 71 | 59.5 |
| 80 | 60.5 |
| 90 | 60.5 |

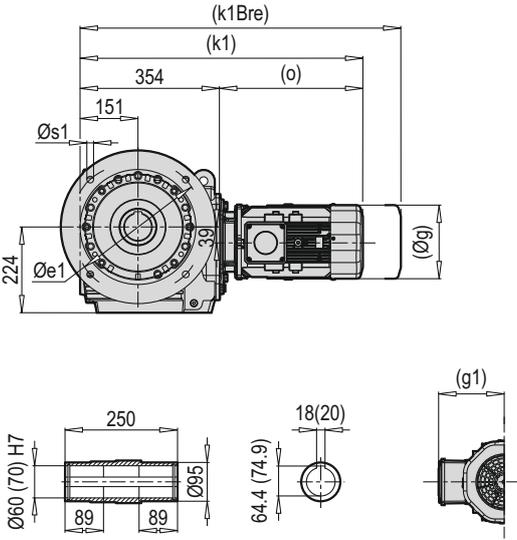
PSH 2125 TMA



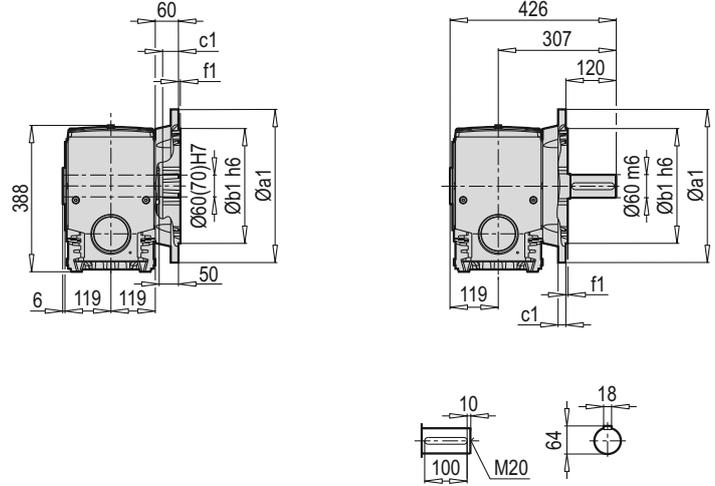
PSH 2125 ÇMA



PSH 2125 DG/B5



PSH 2125 TMG/B5



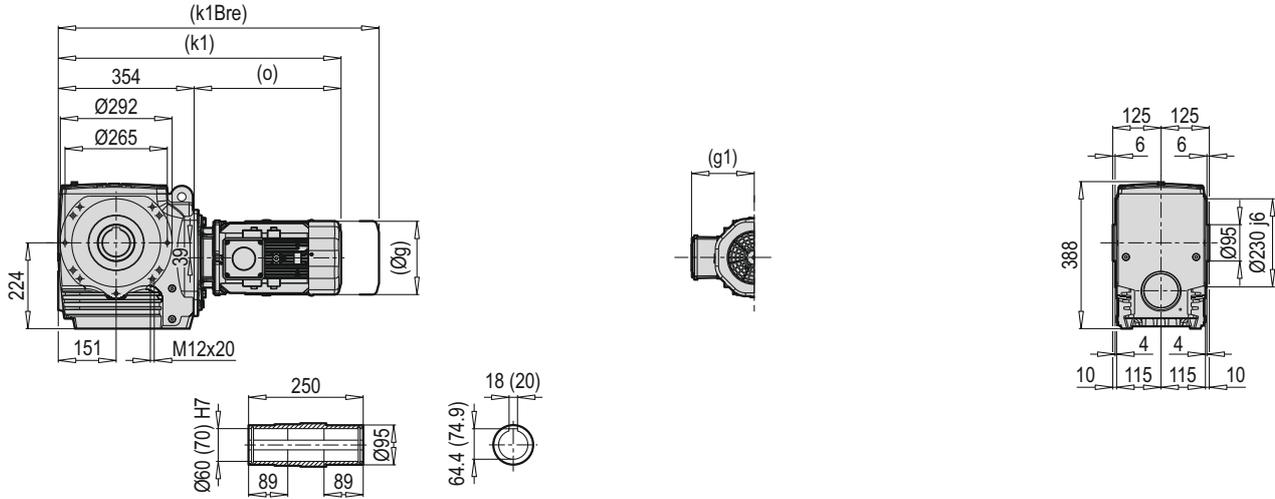
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 400 | 300 | 20 | 350 | 5 | 4 x 18 |
| 450 | 350 | 22 | 400 | 5 | 8 x 18 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 350 | 250 | 20 | 300 | 5 | 4 x 18 |

| | 90 L | 100 L | 112 M | 132 S | 132 M | 160 M/L |
|------------|-------|-------|-------|-------|-------|---------|
| g | 182 | 202 | 220 | 270.5 | 270.5 | 321.5 |
| g1 | 130 | 153 | 158.5 | 187.5 | 187.5 | 214 |
| k/k1 | 683.5 | 735 | 733.5 | 795.5 | 795.5 | 884 |
| kBre/k1Bre | 751.5 | 818.5 | 833.5 | 895 | 915 | 988.5 |
| o | 329.5 | 381 | 379.5 | 441.5 | 441.5 | 530 |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

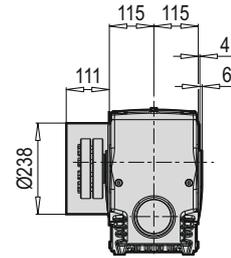
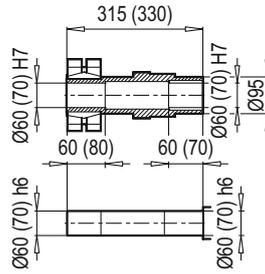
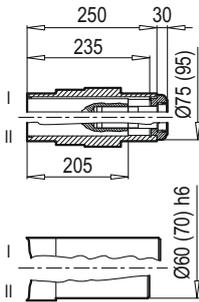
PSH 2125 DG/B14



PSH 2125 DG/Ç  51 - 52

PSH 2125 DG/KS  44

PSH 2125 DG/KS/KK  47

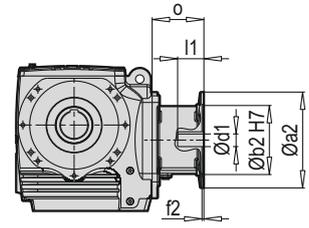
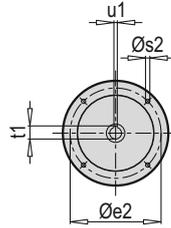
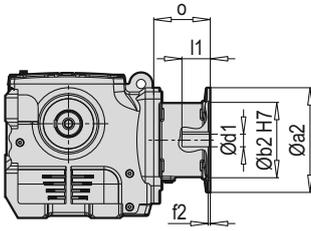


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s ^{h6} | s ^{f6} | dxl | Zs | MA (Nm) |
| KS 60/76 | 3120 | 2.6 | 2.4 | M10x50 | 10 | 59 |
| KS 70/90 | 3120 | 4.4 | 4.1 | M12x70* | 10 | 100 |

| | 90 L | 100 L | 112 M | 132 S | 132 M | 160 M/L | |
|--------------|-------|-------|-------|-------|-------|---------|--|
| g | 182 | 202 | 220 | 270.5 | 270.5 | 321.5 | |
| g1 | 130 | 153 | 158.5 | 187.5 | 187.5 | 214 | |
| k1 | 683.5 | 735 | 733.5 | 795.5 | 795.5 | 884 | |
| k1Bre | 751.5 | 818.5 | 833.5 | 895 | 915 | 988.5 | |
| o | 329.5 | 381 | 379.5 | 441.5 | 441.5 | 530 | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

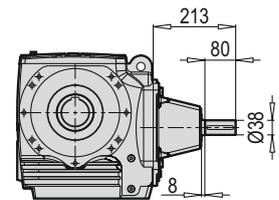
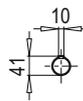
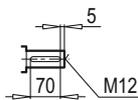
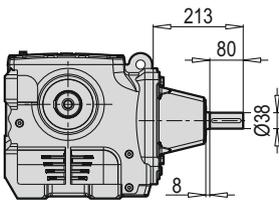
PSH 2125 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|----|-----|
| PSH 2125 | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 109 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 133 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 133 |
| | 132 | 300 | 230 | 265 | 5.0 | M12 | 38 | 80 | 41.3 | 10 | 190 |
| | 160 | 350 | 250 | 300 | 6.0 | M16 | 42 | 110 | 45.3 | 12 | 194 |

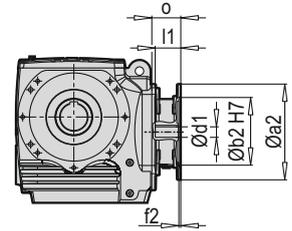
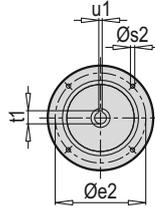
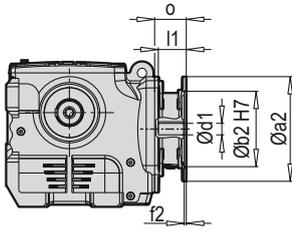
| ~ Kg | |
|------|----------|
| IEC | PSH 2125 |
| 90 | 107 |
| 100 | 114 |
| 112 | 114 |
| 132 | 128 |
| 160 | 138 |

PSH 2125 W



| W ~ Kg | |
|----------|-----|
| PSH 2125 | 112 |

PSH 2125 PAM B5/B14



| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|--------|-----|-----|-----|-----|-----|-----|-----|------|----|-----|
| PSH 2125 | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |
| | 132 | 300 | 230 | 265 | 5.0 | M12 | 38 | 80 | 41.3 | 10 | 94 |
| | 160 | 350 | 250 | 300 | 6.0 | M16 | 42 | 110 | 45.3 | 12 | 120 |

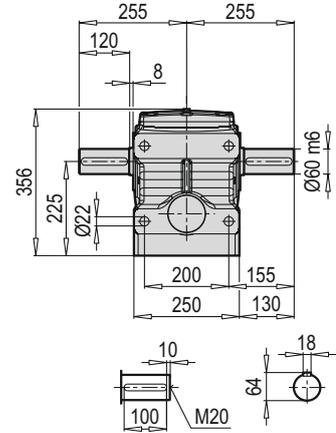
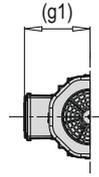
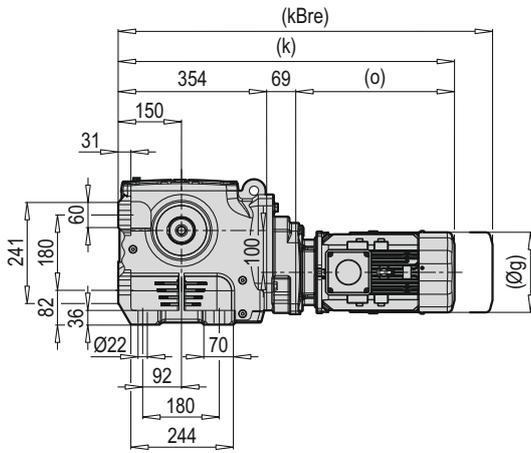
| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 2125 |
| 90 | 96 |
| 100 | 97 |
| 112 | 97 |
| 132 | 106 |
| 160 | 114 |

| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 2125 | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 132 | 200 | 130 | 165 | 5.0 | 11 | 38 | 80 | 41.3 | 10 | 94 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 2125 |
| 90 | 95 |
| 100 | 96 |
| 112 | 96 |
| 132 | 101 |

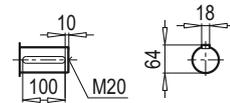
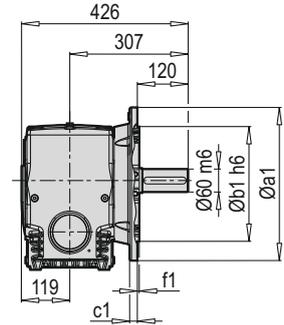
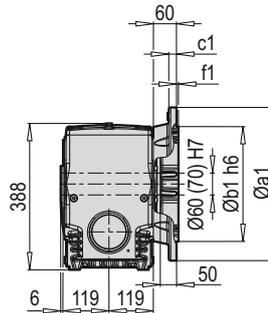
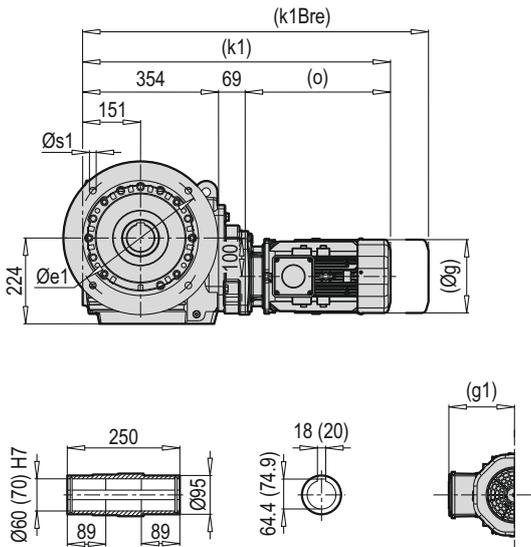
PSH 3125 TMA

PSH 3125 ÇMA



PSH 3125 DG/B5

PSH 3125 TMG/B5



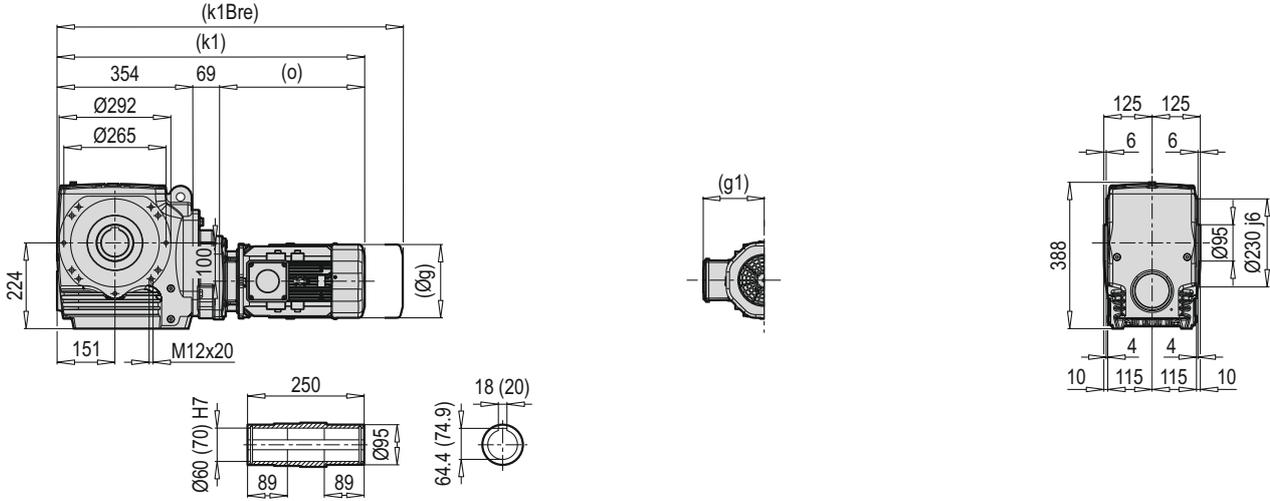
| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 400 | 300 | 20 | 350 | 5 | 4 x 18 |
| 450 | 350 | 22 | 400 | 5 | 8 x 18 |

| a1 | b1 | c1 | e1 | f1 | s1 |
|-----|-----|----|-----|----|--------|
| 350 | 250 | 20 | 300 | 5 | 4 x 18 |

| | 80 M | 90 L | 100 L | 112 M | | |
|-------------------|-----------|---------------|---------------|---------------|--|--|
| g | 172 | 182 | 202 | 220 | | |
| g1 | 130.5 | 130 | 153 | 158.5 | | |
| k/k1 | 683 / 684 | 748.5 / 749.5 | 800 / 801 | 794.5 / 795.5 | | |
| kBre/k1Bre | 753 / 754 | 817 / 818 | 883.5 / 884.5 | 894.5 / 895.5 | | |
| o | 260 | 325.5 | 377 | 371.5 | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

PSH 3125 DG/B14



PSH 3125 DG/Ç

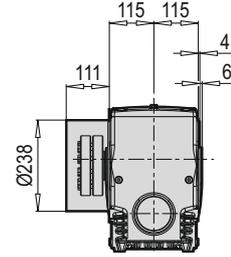
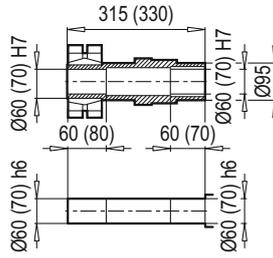
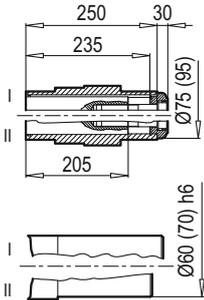
51 - 52

PSH 3125 DG/KS

44

PSH 3125 DG/KS/KK

47

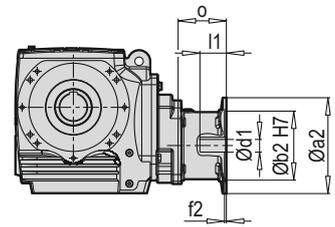
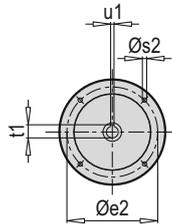
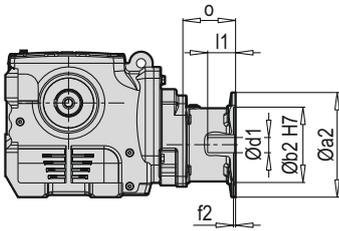


| Konik sıkırtma / Shrink disc / Schrumpfscheibe | | | | Altıköşe başlı civata / Hexagonal screw / Sechskantschraube DIN 931 / DIN 933* 10.9Vz | | |
|--|------------------------|-----------------|-----------------|--|----|---------|
| Tip / Type / Typ | M _{amax} (Nm) | s _{h6} | s _{f6} | dxl | Zs | MA (Nm) |
| KS 60/76 | 3120 | 2.6 | 2.4 | M10x50 | 10 | 59 |
| KS 70/90 | 3120 | 4.4 | 4.1 | M12x70* | 10 | 100 |

| | 80 M | 90 L | 100 L | 112 M | | | |
|--------------|-------|-------|-------|-------|--|--|--|
| g | 172 | 182 | 202 | 220 | | | |
| g1 | 130.5 | 130 | 153 | 158.5 | | | |
| k1 | 684 | 749.5 | 801 | 795.5 | | | |
| k1Bre | 754 | 818 | 884.5 | 895.5 | | | |
| o | 260 | 325.5 | 377 | 371.5 | | | |

Not: (...) İşaretili olan ölçüler motor markasına göre farklılık gösterir. / Note : The dimensions which have (...) sign vary depending on the motor.

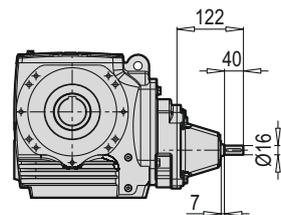
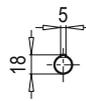
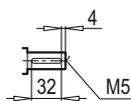
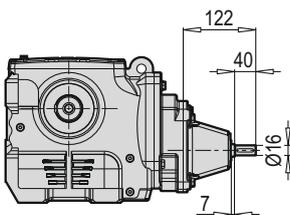
PSH 3125 IEC



| Tip / Type / Typ | IEC | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|------------------|-----|-----|-----|-----|-----|-----|-----|----|------|----|-----|
| PSH 3125 | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 107 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 107 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 124 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 124 |

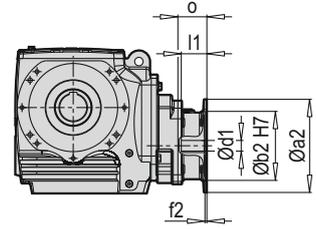
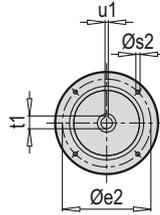
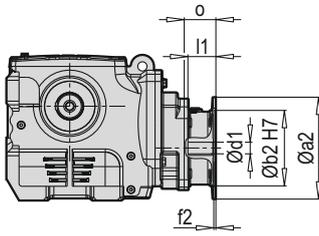
| ~ Kg | |
|------|----------|
| IEC | PSH 3125 |
| 71 | 117 |
| 80 | 121 |
| 90 | 121 |
| 100 | 125 |
| 112 | 125 |

PSH 3125 W



| W ~ Kg | |
|----------|-----|
| PSH 3125 | 119 |

PSH 3125 PAM B5/B14



| Tip / Type / Typ | PAM B5 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|--------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3125 | 71 | 160 | 110 | 130 | 4.0 | M8 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 200 | 130 | 165 | 4.0 | M10 | 19 | 40 | 21.8 | 6 | 72 |
| | 90 | 200 | 130 | 165 | 4.0 | M10 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 250 | 180 | 215 | 5.0 | M12 | 28 | 60 | 31.3 | 8 | 75 |

| ~ Kg | |
|--------|----------|
| PAM B5 | PSH 3125 |
| 71 | 107 |
| 80 | 108 |
| 90 | 108 |
| 100 | 109 |
| 112 | 109 |

| Tip / Type / Typ | PAM B14 | Øa2 | Øb2 | Øe2 | f2 | Øs2 | Ød1 | l1 | t1 | u1 | o |
|---------------------|---------|-----|-----|-----|-----|-----|-----|----|------|----|----|
| PSH 3125 | 71 | 105 | 70 | 85 | 4.0 | 7 | 14 | 30 | 16.3 | 5 | 88 |
| | 80 | 120 | 80 | 100 | 4.0 | 7 | 19 | 40 | 21.8 | 6 | 72 |
| | 90 | 140 | 95 | 115 | 4.0 | 9 | 24 | 50 | 27.3 | 8 | 72 |
| | 100 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |
| | 112 | 160 | 110 | 130 | 5.0 | 9 | 28 | 60 | 31.3 | 8 | 75 |

| ~ Kg | |
|---------|----------|
| PAM B14 | PSH 3125 |
| 71 | 105 |
| 80 | 106 |
| 90 | 106 |
| 100 | 108 |
| 112 | 108 |

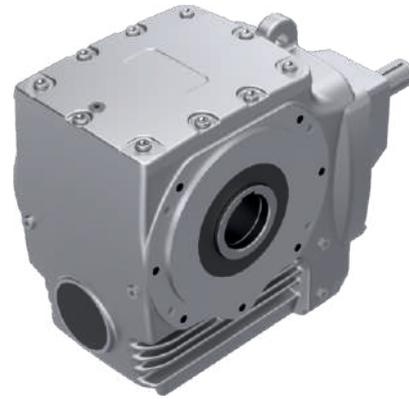
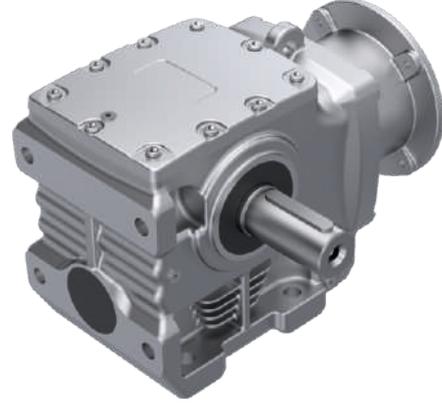


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W - IEC ve PAM Adaptörü Seçim Tabloları

Selection Of W-IEC and
PAM Adapters

Auswahltablelle von
W - PAM - IEC Adapters



PSH



A series of horizontal dotted lines spanning the width of the page, intended for writing or drawing.

TR **TEKNİK AÇIKLAMALAR**

EN **TECHNICAL DESCRIPTIONS**

DE **TECHNISCHE BESCHREIBUNGEN**

W, IEC ve PAM adaptörü performans tabloları yapısı:
Performance tables for W - IEC and PAM adapter type
Der Aufbau der Leistungstabelle für W - IEC und PAM-Adapter

IEC'li yada PAM adaptörlü girişler için geçerli olan servis faktörü doğrudan motor montajlı redüktörlerle aynıdır. IEC ve PAM montajlı redüktörlerin servis faktörü f_B motorlu seçim sayfalarından bulunabilir.

Service factor f_B could be checked from selection of geared motor tables. Because this value is the same for geared motor and geared motor with IEC-PAM adapters

Der Betriebsfaktor f_B für Antriebe mit IEC- oder PAM-Adapter ist der gleiche wie für Getriebe mit Motordirektanschluss. Den Betriebsfaktor f_B für Getriebe mit IEC- und PAM-Adapter finden Sie auf den Motorauswahltabellen.

Helisel dişli tahvilleri
Helical gear reduction ratio
Schrägverzahnte Übersetzungen

Sonsuz vida dişli bilgileri
Worm gear information
Informationen zum Schneckengetriebe

Max. Giriş Gücü
Max. Input Power
Max. Antriebsleistung

Verim
Efficiency
Leistung

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 700 min ⁻¹ | | | | W n ₁ = 465 min ⁻¹ | | | | W n ₁ = 250 min ⁻¹ | | | | IEC - PAM | | | |
|-----------------|------------------|----------------|---------------------------------|--|------------------------|------------------------|-------|--|------------------------|------------------------|-------|--|------------------------|------------------------|-------|--------------------------|-----|-----|-----|
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | f _B → 57 - 92 | | | |
| PSH 2040 | 304.20 | 7.80 | 39/1 | 2.3 | 107 | 0.05 | 48 | 1.5 | 112 | 0.04 | 47 | 0.82 | 119 | 0.02 | 47 | 63* | 71* | 80* | |
| | 237.90 | 6.10 | 39/1 | 2.9 | 109 | 0.07 | 48 | 2.0 | 113 | 0.05 | 47 | 1.1 | 120 | 0.03 | 47 | 63* | 71* | 80* | |
| | 128.70 | 7.80 | 33/2 | 5.4 | 107 | 0.09 | 66 | 3.6 | 112 | 0.06 | 66 | 1.9 | 119 | 0.04 | 65 | 63* | 71* | 80* | |
| | 115.23 | 2.95 | 39/1 | 6.1 | 104 | 0.13 | 50 | 4.0 | 111 | 0.09 | 49 | 2.2 | 117 | 0.06 | 48 | 63 | 71* | 80* | 90* |
| | 100.65 | 6.10 | 33/2 | 7.0 | 109 | 0.12 | 67 | 4.6 | 113 | 0.08 | 66 | 2.5 | 120 | 0.05 | 66 | 63 | 71* | 80* | |
| | 99.45 | 2.55 | 39/1 | 7.0 | 103 | 0.15 | 50 | 4.7 | 110 | 0.11 | 49 | 2.5 | 116 | 0.06 | 48 | 63 | 71* | 80* | 90* |
| | 86.86 | 2.23 | 39/1 | 8.1 | 99 | 0.16 | 51 | 5.4 | 105 | 0.12 | 49 | 2.9 | 112 | 0.07 | 48 | 63 | 71* | 80* | 90* |
| | 76.38 | 1.96 | 39/1 | 9.2 | 98 | 0.18 | 52 | 6.1 | 104 | 0.13 | 50 | 3.3 | 112 | 0.08 | 48 | 63 | 71* | 80* | 90* |
| | 67.50 | 1.73 | 39/1 | 10.4 | 96 | 0.20 | 52 | 6.9 | 102 | 0.15 | 50 | 3.7 | 110 | 0.09 | 49 | 63 | 71* | 80* | 90* |

Tip W azami tahrik gücü hesaplanırken italik olmayan değerler alınmıştır. P_{1max} ile f_B = 1
P_{1max} value which is non-italic calculated when service factor f_B is equal to one.
Bei der Berechnung der maximalen Antriebsleistung des Typs W wurden nicht kursive Werte verwendet.
P_{1max} und f_B = 1

P_{1max} hesaplanırken italik olan değerlerde f_B >1 alınmıştır.
P_{1max} value which is italic, is calculated when service factor f_B is greater than one.
Bei der Berechnung von P_{1max} wurden für kursiv gedruckte Werte f_B >1 verwendet.

Max. çıkış momenti
Max. output torque
Antriebsdrehmoment

Çıkış Devri
Output speed
Leistungsgeschwindigkeit

Redüktör Tahvili
Reduction ratio
Verkleinerungsfaktor

Redüktör Tipi
Gear unit type
Getriebetyp

IEC motor büyüklükleri ve IEC standart çıkışları DIN EN 50347' e göredir.
IEC motor sizes and IEC standart outputs as per DIN EN 50347
IEC-Motorgrößen und IEC-Standard-Abtriebe entsprechen DIN EN 50347.

Yıldız işareti : Dikkat Tip W sütunundaki P_{1max} değerlerini aşmamalıdır.

Asterix indicates: caution, don't exceed the max. driver power P_{1max} as per Type W column
*: Achtung P_{1max} in Spalte W darf nicht überschritten werden.

63 Rakamlı alanlar IEC adaptörünün, IEC motor büyüklüğü ve tahvil oranına uygun olduğunu belirtir.
This area which is colorless is shown IEC adapter is applicable for this IEC motor size and reduction ratio.
Digitale Bereiche zeigen, dass IEC Adapter für IEC Motorgröße und der Wechselkurse ist.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 1400 min ⁻¹ | | | | W n ₁ = 900 min ⁻¹ | | | | IEC - PAM | | | | | |
|--------------------|------------------|----------------|---------------------------------|---|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--------------------------|-----|-----|-----|--|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | |
| PSH 2040 | 304.20 | 7.80 | 39/1 | 4.6 | 100 | 0.10 | 49 | 3.0 | 105 | 0.07 | 48 | 63* | 71* | 80* | | | |
| | 237.90 | 6.10 | 39/1 | 5.9 | 100 | 0.12 | 50 | 3.8 | 105 | 0.09 | 49 | 63* | 71* | 80* | | | |
| | 128.70 | 7.80 | 33/2 | 10.9 | 100 | 0.17 | 68 | 7.0 | 105 | 0.12 | 67 | 63* | 71* | 80* | | | |
| W - IEC | 115.23 | 2.95 | 39/1 | 12.1 | 94 | 0.22 | 53 | 7.8 | 99 | 0.17 | 51 | 63 | 71* | 80* | 90* | | |
| | 100.65 | 6.10 | 33/2 | 13.9 | 100 | 0.21 | 68 | 8.9 | 105 | 0.15 | 67 | 63 | 71* | 80* | | | |
| | 99.45 | 2.55 | 39/1 | 14.1 | 92 | 0.25 | 54 | 9.0 | 97 | 0.19 | 52 | 63 | 71* | 80* | 90* | | |
| | 86.86 | 2.23 | 39/1 | 16.1 | 87 | 0.27 | 54 | 10.4 | 91 | 0.20 | 52 | 63 | 71* | 80* | 90* | | |
| + | 76.38 | 1.96 | 39/1 | 18.3 | 85 | 0.30 | 55 | 11.8 | 89 | 0.22 | 53 | 63 | 71* | 80* | 90* | | |
| PAM | 67.50 | 1.73 | 39/1 | 20.7 | 82 | 0.32 | 56 | 13.3 | 86 | 0.24 | 54 | 63 | 71* | 80* | 90* | | |
| | 59.80 | 7.80 | 23/3 | 23.4 | 100 | 0.31 | 78 | 15.1 | 105 | 0.22 | 78 | 63 | 71* | 80* | | | |
| | 52.00 | 1.33 | 39/1 | 26.9 | 81 | 0.39 | 58 | 17.3 | 85 | 0.31 | 55 | 63 | 71 | 80* | 90* | | |
| | 46.77 | 6.10 | 23/3 | 29.9 | 100 | 0.40 | 79 | 19.2 | 105 | 0.28 | 78 | 63 | 71 | 80* | | | |
| | 45.00 | 1.15 | 39/1 | 31.1 | 81 | 0.45 | 59 | 20.0 | 85 | 0.32 | 56 | 63 | 71 | 80* | 90* | | |
| | 42.08 | 2.55 | 33/2 | 33.3 | 85 | 0.42 | 71 | 21.4 | 89 | 0.30 | 70 | 63 | 71 | 80* | 90* | | |
| | 36.75 | 2.23 | 33/2 | 38.1 | 81 | 0.45 | 72 | 24.5 | 85 | 0.33 | 70 | 63 | 71 | 80* | 90* | | |
| | 32.31 | 1.96 | 33/2 | 43.3 | 78 | 0.49 | 72 | 27.9 | 82 | 0.36 | 71 | 63 | 71 | 80* | 90* | | |
| | 28.56 | 1.73 | 33/2 | 49.0 | 75 | 0.53 | 73 | 31.5 | 79 | 0.40 | 71 | 63 | 71 | 80* | 90* | | |
| | 22.00 | 1.33 | 33/2 | 63.6 | 73 | 0.66 | 74 | 40.9 | 77 | 0.50 | 72 | 63 | 71 | 80* | 90* | | |
| | 19.55 | 2.55 | 23/3 | 71.6 | 80 | 0.74 | 81 | 46.0 | 84 | 0.54 | 80 | 63 | 71 | 80* | 90* | | |
| | 17.08 | 2.23 | 23/3 | 82.0 | 78 | 0.83 | 81 | 52.7 | 82 | 0.61 | 80 | 63 | 71 | 80 | 90* | | |
| | 15.01 | 1.96 | 23/3 | 93.3 | 75 | 0.89 | 82 | 60.0 | 79 | 0.66 | 81 | 63 | 71 | 80 | 90* | | |
| | 13.27 | 1.73 | 23/3 | 105.5 | 73 | 0.98 | 82 | 67.8 | 77 | 0.73 | 81 | 63 | 71 | 80 | 90* | | |
| | 10.22 | 1.33 | 23/3 | 137.0 | 68 | 1.10 | 83 | 88.1 | 71 | 0.73 | 82 | 63 | 71 | 80 | 90* | | |
| | 8.85 | 1.15 | 23/3 | 159.1 | 65 | 1.10 | 83 | 102.3 | 68 | 0.73 | 82 | 63 | 71 | 80 | 90* | | |
| | 7.51 | 1.96 | 23/6 | 186.4 | 57 | 1.10 | 87 | 119.8 | 60 | 0.73 | 86 | 63 | 71 | 80 | 90* | | |
| | 6.63 | 1.73 | 23/6 | 211.2 | 54 | 1.10 | 87 | 135.7 | 57 | 0.73 | 86 | 63 | 71 | 80 | 90* | | |
| | 5.11 | 1.33 | 23/6 | 274.0 | 48 | 1.10 | 88 | 176.1 | 50 | 0.73 | 87 | 63 | 71 | 80 | 90* | | |
| | 4.40 | 1.15 | 23/6 | 318.2 | 46 | 1.10 | 88 | 204.5 | 48 | 0.73 | 87 | 63 | 71 | 80 | 90* | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | $W \quad n_1 = 700 \text{ min}^{-1}$ | | | | $W \quad n_1 = 465 \text{ min}^{-1}$ | | | | $W \quad n_1 = 250 \text{ min}^{-1}$ | | | | IEC - PAM | | | |
|---|---|--------------|-------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|--|-----|-----|-----|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B \rightarrow \text{IEC} \quad 57 - 92$ | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | |
| PSH 2040 | 304.20 | 7.80 | 39/1 | 2.3 | 107 | 0.05 | 48 | 1.5 | 112 | 0.04 | 47 | 0.82 | 119 | 0.02 | 47 | 63* | 71* | 80* | |
| | 237.90 | 6.10 | 39/1 | 2.9 | 109 | 0.07 | 48 | 2.0 | 113 | 0.05 | 47 | 1.1 | 120 | 0.03 | 47 | 63* | 71* | 80* | |
| | 128.70 | 7.80 | 33/2 | 5.4 | 107 | 0.09 | 66 | 3.6 | 112 | 0.06 | 66 | 1.9 | 119 | 0.04 | 65 | 63* | 71* | 80* | |
| W - IEC | 115.23 | 2.95 | 39/1 | 6.1 | 104 | 0.13 | 50 | 4.0 | 111 | 0.09 | 49 | 2.2 | 117 | 0.06 | 48 | 63 | 71* | 80* | 90* |
| |  | 100.65 | 6.10 | 33/2 | 7.0 | 109 | 0.12 | 67 | 4.6 | 113 | 0.08 | 66 | 2.5 | 120 | 0.05 | 66 | 63 | 71* | 80* |
|  | 99.45 | 2.55 | 39/1 | 7.0 | 103 | 0.15 | 50 | 4.7 | 110 | 0.11 | 49 | 2.5 | 116 | 0.06 | 48 | 63 | 71* | 80* | 90* |
| | 86.86 | 2.23 | 39/1 | 8.1 | 99 | 0.16 | 51 | 5.4 | 105 | 0.12 | 49 | 2.9 | 112 | 0.07 | 48 | 63 | 71* | 80* | 90* |
| + | 76.38 | 1.96 | 39/1 | 9.2 | 98 | 0.18 | 52 | 6.1 | 104 | 0.13 | 50 | 3.3 | 112 | 0.08 | 48 | 63 | 71* | 80* | 90* |
| | PAM | 67.50 | 1.73 | 39/1 | 10.4 | 96 | 0.20 | 52 | 6.9 | 102 | 0.15 | 50 | 3.7 | 110 | 0.09 | 49 | 63 | 71* | 80* |
|  | 59.80 | 7.80 | 23/3 | 11.7 | 107 | 0.17 | 77 | 7.8 | 112 | 0.12 | 77 | 4.2 | 119 | 0.07 | 77 | 63 | 71* | 80* | |
| | 52.00 | 1.33 | 39/1 | 13.5 | 97 | 0.26 | 53 | 8.9 | 105 | 0.19 | 51 | 4.8 | 114 | 0.12 | 49 | 63 | 71 | 80* | 90* |
|  | 46.77 | 6.10 | 23/3 | 15.0 | 109 | 0.22 | 78 | 9.9 | 113 | 0.15 | 77 | 5.3 | 120 | 0.09 | 77 | 63 | 71 | 80* | |
| | 45.00 | 1.15 | 39/1 | 15.6 | 99 | 0.30 | 54 | 10.3 | 108 | 0.23 | 52 | 5.6 | 118 | 0.14 | 50 | 63 | 71 | 80* | 90* |
| | 42.08 | 2.55 | 33/2 | 16.6 | 95 | 0.24 | 69 | 11.1 | 101 | 0.17 | 68 | 5.9 | 107 | 0.10 | 66 | 63 | 71 | 80* | 90* |
| | 36.75 | 2.23 | 33/2 | 19.0 | 92 | 0.27 | 69 | 12.7 | 98 | 0.19 | 68 | 6.8 | 104 | 0.11 | 67 | 63 | 71 | 80* | 90* |
| | 32.31 | 1.96 | 33/2 | 21.7 | 90 | 0.29 | 70 | 14.4 | 95 | 0.21 | 68 | 7.7 | 102 | 0.12 | 67 | 63 | 71 | 80* | 90* |
| | 28.56 | 1.73 | 33/2 | 24.5 | 87 | 0.32 | 70 | 16.3 | 93 | 0.23 | 69 | 8.8 | 101 | 0.14 | 67 | 63 | 71 | 80* | 90* |
| | 22.00 | 1.33 | 33/2 | 31.8 | 88 | 0.41 | 71 | 21.1 | 95 | 0.30 | 69 | 11.4 | 103 | 0.18 | 68 | 63 | 71 | 80* | 90* |
| | 19.55 | 2.55 | 23/3 | 35.8 | 90 | 0.43 | 79 | 23.8 | 95 | 0.30 | 78 | 12.8 | 101 | 0.17 | 78 | 63 | 71 | 80* | 90* |
| | 17.08 | 2.23 | 23/3 | 41.0 | 88 | 0.47 | 80 | 27.2 | 94 | 0.34 | 79 | 14.6 | 100 | 0.20 | 78 | 63 | 71 | 80 | 90* |
| | 15.01 | 1.96 | 23/3 | 46.6 | 86 | 0.52 | 80 | 31.0 | 92 | 0.38 | 79 | 16.7 | 99 | 0.22 | 78 | 63 | 71 | 80 | 90* |
| | 13.27 | 1.73 | 23/3 | 52.8 | 85 | 0.59 | 80 | 35.0 | 90 | 0.42 | 79 | 18.8 | 98 | 0.25 | 78 | 63 | 71 | 80 | 90* |
| | 10.22 | 1.33 | 23/3 | 68.5 | 82 | 0.55 | 81 | 45.5 | 88 | 0.36 | 80 | 24.5 | 96 | 0.20 | 78 | 63 | 71 | 80 | 90* |
| | 8.85 | 1.15 | 23/3 | 79.5 | 80 | 0.55 | 81 | 52.8 | 87 | 0.36 | 80 | 28.4 | 94 | 0.20 | 79 | 63 | 71 | 80 | 90* |
| | 7.51 | 1.96 | 23/6 | 93.2 | 66 | 0.55 | 85 | 61.9 | 70 | 0.36 | 84 | 33.3 | 75 | 0.20 | 84 | 63 | 71 | 80 | 90* |
| | 6.63 | 1.73 | 23/6 | 105.6 | 63 | 0.55 | 86 | 70.1 | 67 | 0.36 | 85 | 37.7 | 72 | 0.20 | 84 | 63 | 71 | 80 | 90* |
| | 5.11 | 1.33 | 23/6 | 137.0 | 58 | 0.55 | 86 | 91.0 | 62 | 0.36 | 85 | 48.9 | 68 | 0.20 | 84 | 63 | 71 | 80 | 90* |
| | 4.40 | 1.15 | 23/6 | 159.1 | 56 | 0.55 | 86 | 105.7 | 61 | 0.36 | 85 | 56.8 | 67 | 0.20 | 84 | 63 | 71 | 80 | 90* |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 1400 min ⁻¹ | | | | W n ₁ = 900 min ⁻¹ | | | | IEC - PAM | | | | | |
|--------------------|------------------|----------------|---------------------------------|---|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|---------------------------|-----|-----|--|--|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | |
| PSH 3050 | 3016.29 | 59.14 | 51/1 | 0.46 | 195 | 0.02 | 47 | 0.3 | 205 | 0.01 | 46 | 63* | 71* | | | | |
| | 2248.25 | 44.08 | 51/1 | 0.62 | 195 | 0.03 | 47 | 0.4 | 205 | 0.02 | 46 | 63* | 71* | | | | |
| | 1969.48 | 38.62 | 51/1 | 0.71 | 195 | 0.03 | 47 | 0.5 | 205 | 0.02 | 47 | 63* | 71* | | | | |
| W - IEC | 1746.47 | 34.24 | 51/1 | 0.80 | 195 | 0.03 | 47 | 0.5 | 205 | 0.02 | 47 | 63* | 71* | | | | |
| | 1330.71 | 59.14 | 45/2 | 1.1 | 195 | 0.03 | 65 | 0.7 | 205 | 0.02 | 65 | 63* | 71* | | | | |
| | 104 | 991.88 | 45/2 | 1.4 | 195 | 0.04 | 66 | 0.9 | 205 | 0.03 | 65 | 63* | 71* | | | | |
| + | 868.89 | 38.62 | 45/2 | 1.6 | 195 | 0.05 | 66 | 1.0 | 205 | 0.04 | 65 | 63* | 71* | | | | |
| | 755.93 | 14.82 | 51/1 | 1.9 | 195 | 0.08 | 48 | 1.2 | 205 | 0.05 | 47 | 63* | 71* | | | | |
| | PAM | 663.52 | 13.01 | 51/1 | 2.1 | 195 | 0.09 | 48 | 1.4 | 205 | 0.06 | 47 | 63* | 71* | | | |
| 586.50 | | 11.50 | 51/1 | 2.4 | 195 | 0.10 | 48 | 1.5 | 205 | 0.07 | 48 | 63* | 71* | | | | |
| 105 | | 473.94 | 9.29 | 51/1 | 3.0 | 195 | 0.13 | 49 | 1.9 | 205 | 0.09 | 48 | 63* | 71* | | | |
| | 412.72 | 8.09 | 51/1 | 3.4 | 195 | 0.14 | 49 | 2.2 | 205 | 0.10 | 48 | 63* | 71* | | | | |
| | 333.50 | 14.82 | 45/2 | 4.2 | 195 | 0.13 | 67 | 2.7 | 205 | 0.09 | 66 | 63* | 71* | | | | |
| | 292.73 | 13.01 | 45/2 | 4.8 | 195 | 0.15 | 67 | 3.1 | 205 | 0.10 | 66 | 63* | 71* | | | | |
| | 209.09 | 9.29 | 45/2 | 6.7 | 195 | 0.20 | 68 | 4.3 | 205 | 0.14 | 67 | 63 | 71* | | | | |
| | 182.08 | 8.09 | 45/2 | 7.7 | 195 | 0.23 | 68 | 4.9 | 205 | 0.16 | 67 | 63 | 71* | | | | |
| | 158.10 | 14.82 | 32/3 | 8.9 | 195 | 0.23 | 78 | 5.7 | 205 | 0.16 | 77 | 63 | 71* | | | | |
| | 138.77 | 13.01 | 32/3 | 10.1 | 195 | 0.26 | 78 | 6.5 | 205 | 0.18 | 77 | 63 | 71* | | | | |
| | 122.67 | 11.50 | 32/3 | 11.4 | 195 | 0.30 | 78 | 7.3 | 205 | 0.21 | 77 | 63 | 71* | | | | |
| | 99.12 | 9.29 | 32/3 | 14.1 | 190 | 0.36 | 78 | 9.1 | 200 | 0.25 | 78 | 63 | 71* | | | | |
| | 86.32 | 8.09 | 32/3 | 16.2 | 180 | 0.37 | 79 | 10.4 | 189 | 0.24 | 78 | 63 | 71 | | | | |
| | 76.58 | 14.82 | 31/6 | 18.3 | 140 | 0.32 | 83 | 11.8 | 147 | 0.22 | 83 | 63 | 71* | | | | |
| | 67.22 | 13.01 | 31/6 | 20.8 | 130 | 0.34 | 84 | 13.4 | 137 | 0.24 | 83 | 63 | 71* | | | | |
| | 59.42 | 11.50 | 31/6 | 23.6 | 130 | 0.37 | 84 | 15.1 | 137 | 0.24 | 83 | 63 | 71 | | | | |
| | 48.01 | 9.29 | 31/6 | 29.2 | 110 | 0.37 | 84 | 18.7 | 116 | 0.24 | 83 | 63 | 71 | | | | |
| | 41.81 | 8.09 | 31/6 | 33.5 | 110 | 0.37 | 84 | 21.5 | 116 | 0.24 | 84 | 63 | 71 | | | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | W $n_1=700 \text{ min}^{-1}$ | | | | W $n_1=465 \text{ min}^{-1}$ | | | | W $n_1=250 \text{ min}^{-1}$ | | | | IEC - PAM | | | |
|-----------------|-----------|--------|-------------|-------------------------------|--------------------|--------------------|---------------|-------------------------------|--------------------|--------------------|---------------|-------------------------------|--------------------|--------------------|---------------|---------------------------|-----|-----|--|
| | | | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B \rightarrow$ 57 - 92 | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | |
| PSH 3050 | 3016.29 | 59.14 | 51/1 | 0.23 | 202 | 0.01 | 46 | 0.15 | 215 | 0.01 | 46 | 0.08 | 232 | - | 46 | 63* | 71* | | |
| | 2248.25 | 44.08 | 51/1 | 0.31 | 204 | 0.01 | 46 | 0.21 | 207 | 0.01 | 46 | 0.11 | 230 | 0.01 | 46 | 63* | 71* | | |
| | 1969.48 | 38.62 | 51/1 | 0.36 | 205 | 0.02 | 46 | 0.24 | 209 | 0.01 | 46 | 0.13 | 229 | 0.01 | 46 | 63* | 71* | | |
| W - IEC | 1746.47 | 34.24 | 51/1 | 0.40 | 207 | 0.02 | 46 | 0.27 | 211 | 0.01 | 46 | 0.14 | 227 | 0.01 | 46 | 63* | 71* | | |
| | 1330.71 | 59.14 | 45/2 | 0.53 | 202 | 0.02 | 65 | 0.35 | 215 | 0.01 | 65 | 0.19 | 232 | 0.01 | 65 | 63* | 71* | | |
| | 104 | 991.88 | 44.08 | 45/2 | 0.71 | 204 | 0.02 | 65 | 0.47 | 207 | 0.02 | 65 | 0.25 | 230 | 0.01 | 65 | 63* | 71* | |
| + PAM | 868.89 | 38.62 | 45/2 | 0.81 | 205 | 0.03 | 65 | 0.54 | 209 | 0.02 | 65 | 0.29 | 229 | 0.01 | 65 | 63* | 71* | | |
| | 755.93 | 14.82 | 51/1 | 0.93 | 208 | 0.04 | 47 | 0.62 | 219 | 0.03 | 47 | 0.33 | 227 | 0.02 | 46 | 63* | 71* | | |
| | 663.52 | 13.01 | 51/1 | 1.1 | 208 | 0.05 | 47 | 0.70 | 219 | 0.03 | 47 | 0.38 | 229 | 0.02 | 46 | 63* | 71* | | |
| 105 | 586.50 | 11.50 | 51/1 | 1.2 | 208 | 0.06 | 47 | 0.79 | 218 | 0.04 | 47 | 0.43 | 229 | 0.02 | 46 | 63* | 71* | | |
| | 473.94 | 9.29 | 51/1 | 1.5 | 209 | 0.07 | 48 | 1.0 | 216 | 0.05 | 47 | 0.53 | 231 | 0.03 | 47 | 63* | 71* | | |
| | 412.72 | 8.09 | 51/1 | 1.7 | 209 | 0.08 | 48 | 1.1 | 217 | 0.05 | 47 | 0.61 | 232 | 0.03 | 47 | 63 | 71* | | |
| | 333.50 | 14.82 | 45/2 | 2.1 | 208 | 0.07 | 66 | 1.4 | 219 | 0.05 | 65 | 0.75 | 227 | 0.03 | 65 | 63* | 71* | | |
| | 292.73 | 13.01 | 45/2 | 2.4 | 208 | 0.08 | 66 | 1.6 | 219 | 0.06 | 66 | 0.85 | 229 | 0.03 | 65 | 63* | 71* | | |
| | 209.09 | 9.29 | 45/2 | 3.3 | 209 | 0.11 | 66 | 2.2 | 216 | 0.08 | 66 | 1.2 | 231 | 0.04 | 65 | 63* | 71* | | |
| | 182.08 | 8.09 | 45/2 | 3.8 | 209 | 0.13 | 66 | 2.6 | 217 | 0.09 | 66 | 1.4 | 232 | 0.05 | 66 | 63 | 71* | | |
| | 158.10 | 14.82 | 32/3 | 4.4 | 208 | 0.12 | 77 | 2.9 | 219 | 0.09 | 77 | 1.6 | 227 | 0.05 | 77 | 63 | 71* | | |
| | 138.77 | 13.01 | 32/3 | 5.0 | 208 | 0.14 | 77 | 3.4 | 219 | 0.10 | 77 | 1.8 | 229 | 0.06 | 77 | 63 | 71* | | |
| | 122.67 | 11.50 | 32/3 | 5.7 | 208 | 0.16 | 77 | 3.8 | 218 | 0.11 | 77 | 2.0 | 229 | 0.06 | 77 | 63 | 71* | | |
| | 99.12 | 9.29 | 32/3 | 7.1 | 203 | 0.20 | 77 | 4.7 | 211 | 0.13 | 77 | 2.5 | 225 | 0.08 | 77 | 63 | 71* | | |
| | 86.32 | 8.09 | 32/3 | 8.1 | 193 | 0.21 | 78 | 5.4 | 199 | 0.12 | 77 | 2.9 | 199 | 0.07 | 77 | 63 | 71* | | |
| | 76.58 | 14.82 | 31/6 | 9.1 | 141 | 0.16 | 83 | 6.1 | 141 | 0.12 | 83 | 3.3 | 139 | 0.06 | 82 | 63 | 71* | | |
| | 67.22 | 13.01 | 31/6 | 10.4 | 139 | 0.18 | 83 | 6.9 | 139 | 0.12 | 83 | 3.7 | 138 | 0.07 | 82 | 63 | 71* | | |
| | 59.42 | 11.50 | 31/6 | 11.8 | 138 | 0.19 | 83 | 7.8 | 138 | 0.12 | 83 | 4.2 | 137 | 0.07 | 82 | 63 | 71* | | |
| 48.01 | 9.29 | 31/6 | 14.6 | 118 | 0.19 | 83 | 9.7 | 120 | 0.12 | 83 | 5.2 | 120 | 0.07 | 83 | 63 | 71* | | | |
| 41.81 | 8.09 | 31/6 | 16.7 | 109 | 0.19 | 83 | 11.1 | 109 | 0.12 | 83 | 6.0 | 109 | 0.07 | 83 | 63 | 71* | | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max} -Werte nicht überschritten werden.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 1400 min ⁻¹ | | | | W n ₁ = 900 min ⁻¹ | | | | IEC - PAM f _B → 57 - 92 | | | | | |
|-----------------|------------------|----------------|---------------------------------|---|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|---------------------------------------|-----|-----|-----|--|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | |
| PSH 2050 | 524.57 | 10.29 | 51/1 | 2.7 | 185 | 0.11 | 49 | 1.7 | 194 | 0.08 | 48 | 63* | 71* | | | | |
| | 439.88 | 8.62 | 51/1 | 3.2 | 185 | 0.13 | 49 | 2.0 | 194 | 0.09 | 48 | 63* | 71* | | | | |
| | 385.33 | 7.56 | 51/1 | 3.6 | 185 | 0.14 | 50 | 2.3 | 194 | 0.10 | 48 | 63* | 71* | | | | |
| W - IEC | 341.70 | 6.70 | 51/1 | 4.1 | 185 | 0.16 | 50 | 2.6 | 194 | 0.11 | 49 | | 71* | 80* | | | |
| | 231.43 | 10.29 | 45/2 | 6.0 | 185 | 0.17 | 67 | 3.9 | 194 | 0.12 | 67 | 63* | 71* | | | | |
| 100 | 194.06 | 8.62 | 45/2 | 7.2 | 185 | 0.21 | 68 | 4.6 | 194 | 0.14 | 67 | 63 | 71* | | | | |
| | 170.00 | 7.56 | 45/2 | 8.2 | 185 | 0.23 | 68 | 5.3 | 194 | 0.17 | 67 | 63 | 71* | | | | |
| + | 147.90 | 2.90 | 51/1 | 9.5 | 175 | 0.32 | 54 | 6.1 | 184 | 0.24 | 52 | 63 | 71* | 80* | 90* | | |
| | 129.82 | 2.55 | 51/1 | 10.8 | 168 | 0.35 | 55 | 6.9 | 176 | 0.26 | 52 | 63 | 71* | 80* | 90* | | |
| PAM | 114.75 | 2.25 | 51/1 | 12.2 | 168 | 0.38 | 56 | 7.8 | 176 | 0.29 | 53 | 63 | 71 | 80* | 90* | | |
| | 92.73 | 1.82 | 51/1 | 15.1 | 168 | 0.47 | 57 | 9.7 | 176 | 0.36 | 54 | 63 | 71 | 80* | 90* | | |
| 101 | 80.75 | 1.58 | 51/1 | 17.3 | 168 | 0.52 | 58 | 11.1 | 176 | 0.41 | 55 | 63 | 71 | 80* | 90* | | |
| | 65.25 | 2.90 | 45/2 | 21.5 | 168 | 0.53 | 72 | 13.8 | 176 | 0.39 | 70 | 63 | 71 | 80* | 90* | | |
| | 57.27 | 2.55 | 45/2 | 24.4 | 168 | 0.60 | 72 | 15.7 | 176 | 0.44 | 70 | 63 | 71 | 80* | 90* | | |
| | 50.63 | 2.25 | 45/2 | 27.7 | 155 | 0.62 | 73 | 17.8 | 163 | 0.46 | 71 | 63 | 71 | 80* | 90* | | |
| | 40.91 | 1.82 | 45/2 | 34.2 | 155 | 0.75 | 74 | 22.0 | 163 | 0.56 | 72 | 63 | 71 | 80 | 90* | | |
| | 35.63 | 1.58 | 45/2 | 39.3 | 155 | 0.85 | 75 | 25.3 | 163 | 0.65 | 72 | 63 | 71 | 80 | 90* | | |
| | 30.93 | 2.90 | 32/3 | 45.3 | 155 | 0.91 | 81 | 29.1 | 163 | 0.65 | 80 | 63 | 71 | 80 | 90* | | |
| | 27.15 | 2.55 | 32/3 | 51.6 | 155 | 1.02 | 82 | 33.1 | 163 | 0.75 | 80 | 63 | 71 | 80 | 90* | | |
| | 24.00 | 2.25 | 32/3 | 58.3 | 155 | 1.15 | 82 | 37.5 | 163 | 0.84 | 81 | 63 | 71 | 80 | 90* | | |
| | 19.39 | 1.82 | 32/3 | 72.2 | 145 | 1.32 | 83 | 46.4 | 152 | 0.98 | 82 | 63 | 71 | 80 | 90* | | |
| | 16.89 | 1.58 | 32/3 | 82.9 | 120 | 1.26 | 83 | 53.3 | 126 | 0.94 | 82 | 63 | 71 | 80 | 90* | | |
| | 14.77 | 1.38 | 32/3 | 94.8 | 113 | 1.34 | 84 | 60.9 | 119 | 1.02 | 82 | 63 | 71 | 80 | 90* | | |
| | 13.15 | 2.55 | 31/6 | 106.5 | 120 | 1.50 | 87 | 68.4 | 126 | 0.99 | 86 | 63 | 71 | 80 | 90 | | |
| | 11.63 | 2.25 | 31/6 | 120.4 | 113 | 1.50 | 87 | 77.4 | 119 | 0.99 | 86 | 63 | 71 | 80 | 90 | | |
| | 9.39 | 1.82 | 31/6 | 149.1 | 110 | 1.50 | 88 | 95.8 | 116 | 0.99 | 87 | 63 | 71 | 80 | 90 | | |
| | 8.18 | 1.58 | 31/6 | 171.1 | 110 | 1.50 | 88 | 110.0 | 116 | 0.99 | 87 | 63 | 71 | 80 | 90 | | |
| | 7.15 | 1.38 | 31/6 | 195.8 | 105 | 1.50 | 88 | 125.9 | 110 | 0.99 | 87 | 63 | 71 | 80 | 90 | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 700 min ⁻¹ | | | | W n ₁ = 465 min ⁻¹ | | | | W n ₁ = 250 min ⁻¹ | | | | IEC - PAM | | | |
|---|--|----------------|---------------------------------|--|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--|-----|-----|-----|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B →  57 - 92 | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | |
| PSH 2050 | 524.57 | 10.29 | 51/1 | 1.3 | 198 | 0.06 | 47 | 0.89 | 206 | 0.04 | 47 | 0.48 | 218 | 0.02 | 47 | 63* | 71* | | |
| | 439.88 | 8.62 | 51/1 | 1.6 | 198 | 0.07 | 48 | 1.1 | 205 | 0.05 | 47 | 0.57 | 219 | 0.03 | 47 | 63* | 71* | | |
| | 385.33 | 7.56 | 51/1 | 1.8 | 198 | 0.08 | 48 | 1.2 | 207 | 0.06 | 47 | 0.65 | 220 | 0.03 | 47 | 63* | 71* | | |
| W - IEC | 341.70 | 6.70 | 51/1 | 2.0 | 199 | 0.09 | 48 | 1.4 | 208 | 0.06 | 47 | 0.73 | 221 | 0.04 | 47 | | 71* | 80* | |
| |  231.43 | 10.29 | 45/2 | 3.0 | 198 | 0.09 | 66 | 2.0 | 206 | 0.07 | 66 | 1.1 | 211 | 0.04 | 65 | 63* | 71* | | |
| |  194.06 | 8.62 | 45/2 | 3.6 | 198 | 0.11 | 66 | 2.4 | 205 | 0.08 | 66 | 1.3 | 219 | 0.05 | 65 | 63 | 71* | | |
| + PAM | 170.00 | 7.56 | 45/2 | 4.1 | 198 | 0.13 | 67 | 2.7 | 207 | 0.09 | 66 | 1.5 | 220 | 0.05 | 66 | 63 | 71* | | |
| | 147.90 | 2.90 | 51/1 | 4.7 | 194 | 0.19 | 51 | 3.1 | 207 | 0.14 | 49 | 1.7 | 219 | 0.08 | 48 | 63 | 71* | 80* | 90* |
| | 129.82 | 2.55 | 51/1 | 5.4 | 188 | 0.21 | 51 | 3.6 | 201 | 0.15 | 49 | 1.9 | 212 | 0.09 | 48 | 63 | 71* | 80* | 90* |
|  114.75 | 2.25 | 51/1 | 6.1 | 190 | 0.23 | 52 | 4.1 | 203 | 0.17 | 50 | 2.2 | 216 | 0.10 | 48 | 63 | 71* | 80* | 90* | |
| |  92.73 | 1.82 | 51/1 | 7.5 | 195 | 0.29 | 53 | 5.0 | 207 | 0.21 | 51 | 2.7 | 224 | 0.13 | 49 | 63 | 71 | 80* | 90* |
| | 80.75 | 1.58 | 51/1 | 8.7 | 198 | 0.34 | 53 | 5.8 | 211 | 0.25 | 51 | 3.1 | 229 | 0.15 | 49 | 63 | 71 | 80* | 90* |
| 65.25 | 2.90 | 45/2 | 10.7 | 186 | 0.30 | 69 | 7.1 | 199 | 0.22 | 68 | 3.8 | 210 | 0.13 | 66 | 63 | 71 | 80* | 90* | |
| 57.27 | 2.55 | 45/2 | 12.2 | 188 | 0.35 | 69 | 8.1 | 201 | 0.25 | 68 | 4.4 | 212 | 0.15 | 67 | 63 | 71 | 80* | 90* | |
| 50.63 | 2.25 | 45/2 | 13.8 | 176 | 0.36 | 70 | 9.2 | 187 | 0.26 | 68 | 4.9 | 199 | 0.15 | 67 | 63 | 71 | 80* | 90* | |
| 40.91 | 1.82 | 45/2 | 17.1 | 180 | 0.45 | 71 | 11.4 | 191 | 0.33 | 69 | 6.1 | 206 | 0.20 | 67 | 63 | 71 | 80* | 90* | |
| 35.63 | 1.58 | 45/2 | 19.6 | 183 | 0.53 | 71 | 13.1 | 195 | 0.39 | 69 | 7.0 | 211 | 0.23 | 68 | 63 | 71 | 80* | 90* | |
| 30.93 | 2.90 | 32/3 | 22.6 | 172 | 0.52 | 79 | 15.0 | 183 | 0.37 | 78 | 8.1 | 194 | 0.21 | 78 | 63 | 71 | 80* | 90* | |
| 27.15 | 2.55 | 32/3 | 25.8 | 174 | 0.59 | 80 | 17.1 | 185 | 0.42 | 79 | 9.2 | 196 | 0.24 | 78 | 63 | 71 | 80 | 90* | |
| 24.00 | 2.25 | 32/3 | 29.2 | 176 | 0.67 | 80 | 19.4 | 187 | 0.48 | 79 | 10.4 | 199 | 0.28 | 78 | 63 | 71 | 80 | 90* | |
| 19.39 | 1.82 | 32/3 | 36.1 | 168 | 0.78 | 81 | 24.0 | 178 | 0.57 | 79 | 12.9 | 193 | 0.33 | 78 | 63 | 71 | 80 | 90* | |
| 16.89 | 1.58 | 32/3 | 41.4 | 141 | 0.75 | 81 | 27.5 | 151 | 0.54 | 80 | 14.8 | 164 | 0.33 | 78 | 63 | 71 | 80 | 90* | |
| 14.77 | 1.38 | 32/3 | 47.4 | 135 | 0.83 | 81 | 31.5 | 146 | 0.60 | 80 | 16.9 | 158 | 0.35 | 79 | 63 | 71 | 80 | 90* | |
| 13.15 | 2.55 | 31/6 | 53.2 | 134 | 0.75 | 85 | 35.4 | 141 | 0.50 | 84 | 19.0 | 139 | 0.27 | 83 | 63 | 71 | 80 | 90* | |
| 11.63 | 2.25 | 31/6 | 60.2 | 128 | 0.75 | 85 | 40.0 | 136 | 0.50 | 85 | 21.5 | 140 | 0.27 | 84 | 63 | 71 | 80 | 90* | |
| 9.39 | 1.82 | 31/6 | 74.5 | 128 | 0.75 | 86 | 49.5 | 135 | 0.50 | 85 | 26.6 | 137 | 0.27 | 84 | 63 | 71 | 80 | 90* | |
| 8.18 | 1.58 | 31/6 | 85.6 | 130 | 0.75 | 86 | 56.8 | 137 | 0.50 | 85 | 30.6 | 135 | 0.27 | 84 | 63 | 71 | 80 | 90 | |
| 7.15 | 1.38 | 31/6 | 97.9 | 126 | 0.75 | 87 | 65.0 | 136 | 0.50 | 86 | 35.0 | 133 | 0.27 | 84 | 63 | 71 | 80 | 90 | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | W $n_1=1400 \text{ min}^{-1}$ | | | | W $n_1=900 \text{ min}^{-1}$ | | | | IEC - PAM | | | | | |
|--|--|--------|-------------|--------------------------------|--------------------|--------------------|---------------|--------------------------------|--------------------|--------------------|---------------|---|-----|-----|--|--|--|
| | | | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B \rightarrow$  57 - 92 | | | | | |
| | | | | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | | |
| PSH 3063 | 3628.29* | 71.14 | 51/1 | 0.39 | 380 | 0.03 | 45 | 0.2 | 399 | 0.02 | 45 | 63* | 71* | | | | |
| | 2704.42* | 53.03 | 51/1 | 0.52 | 380 | 0.04 | 46 | 0.3 | 399 | 0.03 | 45 | 63* | 71* | | | | |
| | 2374.96* | 46.57 | 51/1 | 0.59 | 380 | 0.05 | 46 | 0.4 | 399 | 0.04 | 45 | 63* | 71* | | | | |
| W - IEC | 2111.40* | 41.40 | 51/1 | 0.66 | 380 | 0.06 | 46 | 0.4 | 399 | 0.04 | 45 | 63* | 71* | | | | |
| |  1343.24* | 62.48 | 43/2 | 1.0 | 380 | 0.06 | 64 | 0.7 | 399 | 0.04 | 64 | 63* | 71* | | | | |
|  112 | 1140.10* | 53.03 | 43/2 | 1.2 | 380 | 0.07 | 64 | 0.8 | 399 | 0.05 | 64 | 63* | 71* | | | | |
| | 938.40 | 18.40 | 51/1 | 1.5 | 380 | 0.13 | 47 | 1.0 | 399 | 0.09 | 46 | 63* | 71* | | | | |
| + | 738.56 | 14.48 | 51/1 | 1.9 | 380 | 0.16 | 48 | 1.2 | 399 | 0.11 | 47 | 63* | 71* | | | | |
| | PAM | 604.27 | 11.85 | 51/1 | 2.3 | 380 | 0.19 | 48 | 1.5 | 399 | 0.13 | 47 | 63 | 71* | | | |
|  532.19 | | 10.44 | 51/1 | 2.6 | 380 | 0.21 | 49 | 1.7 | 399 | 0.15 | 47 | 63 | 71* | | | | |
|  113 | 471.21 | 9.24 | 51/1 | 3.0 | 380 | 0.24 | 49 | 1.9 | 399 | 0.17 | 48 | 63 | 71* | | | | |
| | 395.60 | 18.40 | 43/2 | 3.5 | 380 | 0.21 | 66 | 2.3 | 399 | 0.15 | 65 | 63 | 71* | | | | |
| | 349.65 | 16.26 | 43/2 | 4.0 | 380 | 0.24 | 66 | 2.6 | 399 | 0.17 | 65 | 63 | 71* | | | | |
| | 311.35 | 14.48 | 43/2 | 4.5 | 380 | 0.27 | 66 | 2.9 | 399 | 0.19 | 66 | 63 | 71* | | | | |
| | 254.74 | 11.85 | 43/2 | 5.5 | 370 | 0.32 | 67 | 3.5 | 389 | 0.23 | 66 | 63 | 71* | | | | |
| | 224.36 | 10.44 | 43/2 | 6.2 | 370 | 0.36 | 67 | 4.0 | 389 | 0.25 | 66 | 63 | 71* | | | | |
| | 198.65 | 9.24 | 43/2 | 7.0 | 360 | 0.37 | 68 | 4.5 | 378 | 0.24 | 66 | 63 | 71 | | | | |
| | 178.60 | 14.48 | 37/3 | 7.8 | 340 | 0.37 | 76 | 5.0 | 357 | 0.24 | 75 | 63 | 71 | | | | |
| | 146.13 | 11.85 | 37/3 | 9.6 | 330 | 0.37 | 77 | 6.2 | 347 | 0.24 | 76 | 63 | 71 | | | | |
| | 128.70 | 10.44 | 37/3 | 10.9 | 300 | 0.37 | 77 | 7.0 | 315 | 0.24 | 76 | 63 | 71 | | | | |
| | 113.95 | 9.24 | 37/3 | 12.3 | 260 | 0.37 | 77 | 7.9 | 273 | 0.24 | 76 | 63 | 71 | | | | |
| | 97.18 | 7.88 | 37/3 | 14.4 | 230 | 0.37 | 78 | 9.3 | 242 | 0.24 | 77 | 63 | 71 | | | | |
| | 79.65 | 14.48 | 33/6 | 17.6 | 200 | 0.37 | 84 | 11.3 | 210 | 0.24 | 83 | 63 | 71 | | | | |
| | 65.17 | 11.85 | 33/6 | 21.5 | 170 | 0.37 | 84 | 13.8 | 179 | 0.24 | 83 | 63 | 71 | | | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max} -Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | $W \quad n_1 = 700 \text{ min}^{-1}$ | | | | $W \quad n_1 = 465 \text{ min}^{-1}$ | | | | $W \quad n_1 = 250 \text{ min}^{-1}$ | | | | IEC - PAM | | | |
|------------------|-----------|-------|-------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|----------------------------------|-----|--|--|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B \rightarrow \text{57 - 92}$ | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | |
| PSH 3063 | 3628.29* | 71.14 | 51/1 | 0.19 | 392 | 0.02 | 45 | 0.13 | 426 | 0.01 | 45 | 0.07 | 454 | 0.01 | 45 | 63* | 71* | | |
| | 2704.42* | 53.03 | 51/1 | 0.26 | 394 | 0.02 | 45 | 0.17 | 413 | 0.02 | 45 | 0.09 | 451 | 0.01 | 45 | 63* | 71* | | |
| | 2374.96* | 46.57 | 51/1 | 0.29 | 397 | 0.03 | 45 | 0.20 | 406 | 0.02 | 45 | 0.11 | 449 | 0.01 | 45 | 63* | 71* | | |
| W - IEC | 2111.40* | 41.40 | 51/1 | 0.33 | 399 | 0.03 | 45 | 0.22 | 406 | 0.02 | 45 | 0.12 | 447 | 0.01 | 45 | 63* | 71* | | |
| | 1343.24* | 62.48 | 43/2 | 0.52 | 392 | 0.03 | 64 | 0.35 | 421 | 0.02 | 64 | 0.19 | 452 | 0.01 | 64 | 63* | 71* | | |
| | 1140.10* | 53.03 | 43/2 | 0.61 | 394 | 0.04 | 64 | 0.41 | 413 | 0.03 | 64 | 0.22 | 428 | 0.02 | 64 | 63* | 71* | | |
| + PAM | 938.40 | 18.40 | 51/1 | 0.75 | 407 | 0.07 | 46 | 0.50 | 424 | 0.05 | 45 | 0.27 | 437 | 0.03 | 45 | 63* | 71* | | |
| | 738.56 | 14.48 | 51/1 | 0.95 | 405 | 0.09 | 46 | 0.63 | 427 | 0.06 | 46 | 0.34 | 444 | 0.04 | 45 | 63* | 71* | | |
| | 604.27 | 11.85 | 51/1 | 1.2 | 405 | 0.11 | 47 | 0.77 | 425 | 0.07 | 46 | 0.41 | 447 | 0.04 | 45 | 63 | 71* | | |
| 113 | 532.19 | 10.44 | 51/1 | 1.3 | 406 | 0.12 | 47 | 0.87 | 423 | 0.08 | 46 | 0.47 | 448 | 0.05 | 45 | 63 | 71* | | |
| | 471.21 | 9.24 | 51/1 | 1.5 | 406 | 0.14 | 47 | 1.0 | 421 | 0.10 | 46 | 0.53 | 449 | 0.05 | 46 | 63 | 71* | | |
| | 395.60 | 18.40 | 43/2 | 1.8 | 407 | 0.12 | 65 | 1.2 | 424 | 0.08 | 64 | 0.63 | 437 | 0.05 | 64 | 63 | 71* | | |
| | 349.65 | 16.26 | 43/2 | 2.0 | 406 | 0.13 | 65 | 1.3 | 425 | 0.09 | 65 | 0.72 | 440 | 0.05 | 64 | 63 | 71* | | |
| | 311.35 | 14.48 | 43/2 | 2.2 | 405 | 0.14 | 65 | 1.5 | 427 | 0.10 | 65 | 0.80 | 444 | 0.06 | 64 | 63 | 71* | | |
| | 254.74 | 11.85 | 43/2 | 2.7 | 395 | 0.17 | 65 | 1.8 | 414 | 0.12 | 65 | 1.0 | 435 | 0.07 | 64 | 63 | 71* | | |
| | 224.36 | 10.44 | 43/2 | 3.1 | 395 | 0.19 | 66 | 2.1 | 412 | 0.14 | 65 | 1.1 | 430 | 0.08 | 64 | 63 | 71* | | |
| | 198.65 | 9.24 | 43/2 | 3.5 | 385 | 0.19 | 66 | 2.3 | 388 | 0.12 | 65 | 1.3 | 382 | 0.07 | 64 | 63 | 71* | | |
| | 178.60 | 14.48 | 37/3 | 3.9 | 363 | 0.19 | 75 | 2.6 | 382 | 0.12 | 75 | 1.4 | 396 | 0.07 | 74 | 63 | 71* | | |
| | 146.13 | 11.85 | 37/3 | 4.8 | 329 | 0.19 | 75 | 3.2 | 329 | 0.12 | 75 | 1.7 | 325 | 0.07 | 74 | 63 | 71* | | |
| | 128.70 | 10.44 | 37/3 | 5.4 | 292 | 0.19 | 75 | 3.6 | 292 | 0.12 | 75 | 1.9 | 288 | 0.07 | 74 | 63 | 71 | | |
| | 113.95 | 9.24 | 37/3 | 6.1 | 260 | 0.19 | 76 | 4.1 | 257 | 0.12 | 75 | 2.2 | 257 | 0.07 | 75 | 63 | 71 | | |
| | 97.18 | 7.88 | 37/3 | 7.2 | 224 | 0.19 | 76 | 4.8 | 221 | 0.12 | 75 | 2.6 | 221 | 0.07 | 75 | 63 | 71 | | |
| | 79.65 | 14.48 | 33/6 | 8.8 | 198 | 0.19 | 83 | 5.8 | 196 | 0.12 | 82 | 3.1 | 196 | 0.07 | 82 | 63 | 71 | | |
| | 65.17 | 11.85 | 33/6 | 10.7 | 168 | 0.19 | 83 | 7.1 | 168 | 0.12 | 83 | 3.8 | 166 | 0.07 | 82 | 63 | 71 | | |

* İşareti belirtilen tahvil oranlarının B14 veya B5 flanşlı gövde bağlantılılar için geçerli olduğunu gösterir.
Sign shows that this reduction ratio is valid for geared motor with B14 and B5 flange
Das Vorzeichen zeigt an, dass die angegebenen Übersetzungen für B14- oder B5-Flanschschnitte gültig sind.

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63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 1400 min ⁻¹ | | | | W n ₁ = 900 min ⁻¹ | | | | IEC - PAM | | | | | |
|-----------------------|------------------|----------------|---------------------------------|---|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--------------------------|-----|-----|-----|------|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | 63* | 71* | 80* | 90* | 100* | |
| PSH 2063 | 626.57* | 12.29 | 51/1 | 2.2 | 360 | 0.17 | 48 | 1.4 | 378 | 0.13 | 47 | 63* | 71* | | | | |
| | 529.13* | 10.38 | 51/1 | 2.6 | 360 | 0.20 | 49 | 1.7 | 378 | 0.15 | 47 | 63 | 71* | | | | |
| | 464.67* | 9.11 | 51/1 | 3.0 | 360 | 0.23 | 49 | 1.9 | 378 | 0.16 | 48 | 63 | 71* | | | | |
| W - IEC mm 108 | 413.10* | 8.10 | 51/1 | 3.4 | 360 | 0.26 | 50 | 2.2 | 378 | 0.19 | 48 | | 71* | 80* | | | |
| | 264.14* | 12.29 | 43/2 | 5.3 | 350 | 0.29 | 67 | 3.4 | 368 | 0.19 | 66 | 63 | 71* | | | | |
| | 223.06* | 10.38 | 43/2 | 6.3 | 360 | 0.35 | 67 | 4.0 | 378 | 0.25 | 66 | 63 | 71* | | | | |
| + PAM mm 109 | 195.89* | 9.11 | 43/2 | 7.1 | 360 | 0.39 | 68 | 4.6 | 378 | 0.27 | 67 | 63 | 71 | | | | |
| | 183.60 | 3.60 | 51/1 | 7.6 | 325 | 0.48 | 54 | 4.9 | 341 | 0.35 | 52 | 63 | 71 | 80* | 90* | | |
| | 162.27 | 3.18 | 51/1 | 8.6 | 310 | 0.51 | 55 | 5.5 | 326 | 0.38 | 52 | 63 | 71 | 80* | 90* | | |
| | 144.50 | 2.83 | 51/1 | 9.7 | 300 | 0.54 | 56 | 6.2 | 315 | 0.41 | 53 | 63 | 71 | 80* | 90* | 100* | |
| | 118.23 | 2.32 | 51/1 | 11.8 | 295 | 0.63 | 58 | 7.6 | 310 | 0.49 | 54 | 63 | 71 | 80* | 90* | 100* | |
| | 104.13 | 2.04 | 51/1 | 13.4 | 295 | 0.70 | 59 | 8.6 | 310 | 0.55 | 55 | 63 | 71 | 80* | 90* | 100* | |
| | 92.19 | 1.81 | 51/1 | 15.2 | 295 | 0.78 | 60 | 9.8 | 310 | 0.61 | 56 | 63 | 71 | 80 | 90* | 100* | |
| | 77.40 | 3.60 | 43/2 | 18.1 | 305 | 0.80 | 72 | 11.6 | 320 | 0.58 | 70 | 63 | 71 | 80 | 90* | | |
| | 68.41 | 3.18 | 43/2 | 20.5 | 295 | 0.87 | 73 | 13.2 | 310 | 0.64 | 70 | 63 | 71 | 80 | 90* | | |
| | 60.92 | 2.83 | 43/2 | 23.0 | 280 | 0.92 | 73 | 14.8 | 294 | 0.68 | 71 | 63 | 71 | 80 | 90* | 100* | |
| | 49.84 | 2.32 | 43/2 | 28.1 | 262 | 1.03 | 75 | 18.1 | 275 | 0.77 | 72 | 63 | 71 | 80 | 90* | 100* | |
| | 43.90 | 2.04 | 43/2 | 31.9 | 250 | 1.11 | 75 | 20.5 | 263 | 0.83 | 73 | 63 | 71 | 80 | 90* | 100* | |
| | 38.87 | 1.81 | 43/2 | 36.0 | 245 | 1.22 | 76 | 23.2 | 257 | 0.91 | 74 | 63 | 71 | 80 | 90* | 100* | |
| | 34.94 | 2.83 | 37/3 | 40.1 | 262 | 1.36 | 81 | 25.8 | 275 | 0.98 | 80 | 63 | 71 | 80 | 90* | 100* | |
| | 28.59 | 2.32 | 37/3 | 49.0 | 245 | 1.53 | 82 | 31.5 | 257 | 1.12 | 81 | 63 | 71 | 80 | 90 | 100* | |
| | 25.18 | 2.04 | 37/3 | 55.6 | 245 | 1.72 | 83 | 35.7 | 257 | 1.28 | 81 | 63 | 71 | 80 | 90 | 100* | |
| | 22.29 | 1.81 | 37/3 | 62.8 | 245 | 1.94 | 83 | 40.4 | 257 | 1.44 | 82 | 63 | 71 | 80 | 90 | 100* | |
| | 19.01 | 1.54 | 37/3 | 73.6 | 215 | 1.97 | 84 | 47.3 | 226 | 1.50 | 82 | 63 | 71 | 80 | 90 | 100* | |
| | 15.58 | 2.83 | 33/6 | 89.9 | 190 | 2.06 | 87 | 57.8 | 200 | 1.48 | 86 | 63 | 71 | 80 | 90 | 100* | |
| | 12.75 | 2.32 | 33/6 | 109.8 | 180 | 2.20 | 88 | 70.6 | 189 | 1.45 | 87 | 63 | 71 | 80 | 90 | 100* | |
| | 11.23 | 2.04 | 33/6 | 124.7 | 175 | 2.20 | 88 | 80.1 | 184 | 1.45 | 87 | 63 | 71 | 80 | 90 | 100* | |
| | 9.94 | 1.81 | 33/6 | 140.8 | 170 | 2.20 | 89 | 90.5 | 179 | 1.45 | 88 | 63 | 71 | 80 | 90 | 100* | |
| | 8.48 | 1.54 | 33/6 | 165.1 | 166 | 2.20 | 89 | 106.1 | 174 | 1.45 | 88 | 63 | 71 | 80 | 90 | 100* | |
| | 7.40 | 1.35 | 33/6 | 189.2 | 156 | 2.20 | 90 | 121.6 | 164 | 1.45 | 88 | 63 | 71 | 80 | 90 | 100* | |

* İşareti belirtilen tahvil oranlarının B14 veya B5 flanşlı gövde bağlantılılar için geçerli olduğunu gösterir.
 Sign shows that this reduction ratio is valid for geared motor with B14 and B5 flange
 Das Vorzeichen zeigt an, dass die angegebenen Übersetzungen für B14- oder B5-Flanschschnitte gültig sind.

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk /
 Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | $W \quad n_1 = 700 \text{ min}^{-1}$ | | | | $W \quad n_1 = 465 \text{ min}^{-1}$ | | | | $W \quad n_1 = 250 \text{ min}^{-1}$ | | | | IEC - PAM | | | | |
|--------------------|---------------|-------|-------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|------------------------------------|-----|-----|-----|------|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B \rightarrow \text{IEC 57-92}$ | | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | |
| PSH 2063 | 626.57* | 12.29 | 51/1 | 1.1 | 384 | 0.10 | 46 | 0.74 | 403 | 0.07 | 46 | 0.40 | 423 | 0.04 | 45 | 63* | 71* | | | |
| | 529.13* | 10.38 | 51/1 | 1.3 | 385 | 0.11 | 47 | 0.88 | 401 | 0.08 | 46 | 0.47 | 424 | 0.05 | 45 | 63 | 71* | | | |
| | 464.67* | 9.11 | 51/1 | 1.5 | 385 | 0.13 | 47 | 1.0 | 399 | 0.09 | 46 | 0.54 | 426 | 0.05 | 46 | 63 | 71* | | | |
| W - IEC | 413.10* | 8.10 | 51/1 | 1.7 | 385 | 0.15 | 47 | 1.1 | 401 | 0.10 | 46 | 0.61 | 428 | 0.06 | 46 | | 71* | 80* | | |
| | 264.14* | 12.29 | 43/2 | 2.7 | 344 | 0.15 | 65 | 1.8 | 344 | 0.10 | 65 | 0.95 | 338 | 0.05 | 64 | 63 | 71* | | | |
| | 223.06* | 10.38 | 43/2 | 3.1 | 385 | 0.19 | 66 | 2.1 | 401 | 0.14 | 65 | 1.1 | 424 | 0.08 | 64 | 63 | 71* | | | |
| + PAM | 195.89* | 9.11 | 43/2 | 3.6 | 385 | 0.22 | 66 | 2.4 | 399 | 0.15 | 65 | 1.3 | 426 | 0.09 | 64 | 63 | 71* | | | |
| | 183.60 | 3.60 | 51/1 | 3.8 | 359 | 0.29 | 50 | 2.5 | 377 | 0.21 | 48 | 1.4 | 399 | 0.12 | 47 | 63 | 71 | 80* | 90* | |
| | 162.27 | 3.18 | 51/1 | 4.3 | 343 | 0.30 | 51 | 2.9 | 363 | 0.22 | 49 | 1.5 | 384 | 0.13 | 47 | 63 | 71 | 80* | 90* | |
| 109 | 144.50 | 2.83 | 51/1 | 4.8 | 333 | 0.33 | 51 | 3.2 | 355 | 0.24 | 49 | 1.7 | 376 | 0.14 | 47 | 63 | 71 | 80* | 90* | 100* |
| | 118.23 | 2.32 | 51/1 | 5.9 | 333 | 0.39 | 53 | 3.9 | 355 | 0.29 | 50 | 2.1 | 377 | 0.17 | 48 | 63 | 71 | 80* | 90* | 100* |
| | 104.13 | 2.04 | 51/1 | 6.7 | 338 | 0.45 | 53 | 4.5 | 359 | 0.33 | 51 | 2.4 | 385 | 0.20 | 48 | 63 | 71 | 80* | 90* | 100* |
| | 92.19 | 1.81 | 51/1 | 7.6 | 343 | 0.51 | 54 | 5.0 | 363 | 0.37 | 51 | 2.7 | 393 | 0.23 | 49 | 63 | 71 | 80* | 90* | 100* |
| | 77.40 | 3.60 | 43/2 | 9.0 | 336 | 0.46 | 69 | 6.0 | 353 | 0.33 | 67 | 3.2 | 374 | 0.19 | 66 | 63 | 71 | 80* | 90* | |
| | 68.41 | 3.18 | 43/2 | 10.2 | 327 | 0.51 | 69 | 6.8 | 345 | 0.37 | 67 | 3.7 | 366 | 0.21 | 66 | 63 | 71 | 80* | 90* | |
| | 60.92 | 2.83 | 43/2 | 11.5 | 311 | 0.54 | 70 | 7.6 | 332 | 0.39 | 68 | 4.1 | 351 | 0.23 | 66 | 63 | 71 | 80 | 90* | 100* |
| | 49.84 | 2.32 | 43/2 | 14.0 | 296 | 0.61 | 71 | 9.3 | 315 | 0.44 | 69 | 5.0 | 335 | 0.26 | 67 | 63 | 71 | 80 | 90* | 100* |
| | 43.90 | 2.04 | 43/2 | 15.9 | 286 | 0.67 | 71 | 10.6 | 304 | 0.49 | 69 | 5.7 | 326 | 0.29 | 67 | 63 | 71 | 80 | 90* | 100* |
| | 38.87 | 1.81 | 43/2 | 18.0 | 285 | 0.75 | 72 | 12.0 | 301 | 0.54 | 70 | 6.4 | 327 | 0.33 | 67 | 63 | 71 | 80 | 90* | 100* |
| | 34.94 | 2.83 | 37/3 | 20.0 | 291 | 0.77 | 79 | 13.3 | 310 | 0.56 | 77 | 7.2 | 328 | 0.33 | 76 | 63 | 71 | 80 | 90* | 100* |
| | 28.59 | 2.32 | 37/3 | 24.5 | 277 | 0.90 | 79 | 16.3 | 295 | 0.65 | 78 | 8.7 | 313 | 0.38 | 76 | 63 | 71 | 80 | 90* | 100* |
| | 25.18 | 2.04 | 37/3 | 27.8 | 281 | 1.02 | 80 | 18.5 | 298 | 0.74 | 78 | 9.9 | 320 | 0.43 | 77 | 63 | 71 | 80 | 90* | 100* |
| | 22.29 | 1.81 | 37/3 | 31.4 | 285 | 1.17 | 80 | 20.9 | 301 | 0.83 | 79 | 11.2 | 327 | 0.50 | 77 | 63 | 71 | 80 | 90* | 100* |
| | 19.01 | 1.54 | 37/3 | 36.8 | 254 | 1.21 | 81 | 24.5 | 272 | 0.88 | 79 | 13.2 | 295 | 0.53 | 77 | 63 | 71 | 80 | 90 | 100* |
| | 15.58 | 2.83 | 33/6 | 44.9 | 211 | 1.15 | 86 | 29.8 | 225 | 0.84 | 84 | 16.0 | 238 | 0.48 | 83 | 63 | 71 | 80 | 90 | 100* |
| | 12.75 | 2.32 | 33/6 | 54.9 | 203 | 1.10 | 86 | 36.5 | 216 | 0.73 | 85 | 19.6 | 230 | 0.40 | 84 | 63 | 71 | 80 | 90 | 100* |
| | 11.23 | 2.04 | 33/6 | 62.3 | 200 | 1.10 | 86 | 41.4 | 213 | 0.73 | 85 | 22.3 | 228 | 0.40 | 84 | 63 | 71 | 80 | 90 | 100* |
| | 9.94 | 1.81 | 33/6 | 70.4 | 197 | 1.10 | 87 | 46.8 | 209 | 0.73 | 86 | 25.2 | 227 | 0.40 | 84 | 63 | 71 | 80 | 90 | 100* |
| | 8.48 | 1.54 | 33/6 | 82.5 | 196 | 1.10 | 87 | 54.8 | 210 | 0.73 | 86 | 29.5 | 228 | 0.40 | 85 | 63 | 71 | 80 | 90 | 100* |
| | 7.40 | 1.35 | 33/6 | 94.6 | 187 | 1.10 | 88 | 62.8 | 202 | 0.73 | 86 | 33.8 | 220 | 0.40 | 85 | 63 | 71 | 80 | 90 | 100* |

* İşareti belirtilen tahvil oranlarının B14 veya B5 flanşlı gövde bağlantılılar için geçerli olduğunu gösterir.
Sign shows that this reduction ratio is valid for geared motor with B14 and B5 flange
Das Vorzeichen zeigt an, dass die angegebenen Übersetzungen für B14- oder B5-Flanschanschlüsse gültig sind.

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | W $n_1 = 1400 \text{ min}^{-1}$ | | | | W $n_1 = 900 \text{ min}^{-1}$ | | | | IEC - PAM | | | | | | | |
|--------------------|--------------|---------------|-------------|---------------------------------|--------------------|--------------------|---------------|--------------------------------|--------------------|--------------------|---------------|---------------------------|-----|-----|-----|-----|------|------|--|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B \rightarrow$ 57 - 92 | | | | | | | |
| | | | | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | | | | |
| PSH 3080 | 3356.08* | 65.81 | 51/1 | 0.42 | 770 | 0.08 | 45 | 0.3 | 809 | 0.05 | 45 | 63* | 71* | | | | | | |
| | 2658.80* | 52.13 | 51/1 | 0.53 | 770 | 0.09 | 45 | 0.3 | 809 | 0.06 | 45 | 63* | 71* | | | | | | |
| | 2059.27* | 40.38 | 51/1 | 0.68 | 770 | 0.12 | 46 | 0.4 | 809 | 0.08 | 45 | 63* | 71* | | | | | | |
| | W - IEC | 1199.07 | 23.51 | 51/1 | 1.2 | 770 | 0.21 | 47 | 0.8 | 809 | 0.14 | 46 | 63 | 71* | | | | | |
| | | 955.78 | 18.74 | 51/1 | 1.5 | 770 | 0.26 | 47 | 0.9 | 809 | 0.18 | 46 | 63 | 71* | | | | | |
| | | 805.70 | 15.80 | 51/1 | 1.7 | 770 | 0.29 | 48 | 1.1 | 809 | 0.21 | 47 | 63 | 71* | | | | | |
| | | 705.97 | 13.84 | 51/1 | 2.0 | 770 | 0.33 | 49 | 1.3 | 809 | 0.23 | 47 | 63 | 71* | | | | | |
| | + PAM | 631.62 | 12.38 | 51/1 | 2.2 | 770 | 0.36 | 49 | 1.4 | 809 | 0.27 | 47 | 63 | 71* | | | | | |
| | | 543.06 | 10.65 | 51/1 | 2.6 | 770 | 0.37 | 50 | 1.7 | 809 | 0.24 | 48 | 63 | 71 | | | | | |
| | | 481.23 | 9.44 | 51/1 | 2.9 | 770 | 0.37 | 50 | 1.9 | 809 | 0.24 | 48 | 63 | 71 | | | | | |
| | | 402.93 | 18.74 | 43/2 | 3.5 | 770 | 0.37 | 67 | 2.2 | 809 | 0.24 | 66 | 63 | 71 | | | | | |
| | | 339.66 | 15.80 | 43/2 | 4.1 | 700 | 0.37 | 68 | 2.6 | 735 | 0.24 | 66 | 63 | 71 | | | | | |
| | | 297.62 | 13.84 | 43/2 | 4.7 | 610 | 0.37 | 68 | 3.0 | 641 | 0.24 | 67 | 63 | 71 | | | | | |
| | | 266.27 | 12.38 | 43/2 | 5.3 | 570 | 0.37 | 68 | 3.4 | 599 | 0.24 | 67 | 63 | 71 | | | | | |
| | | 228.94 | 10.65 | 43/2 | 6.1 | 570 | 0.37 | 69 | 3.9 | 599 | 0.24 | 67 | 63 | 71 | | | | | |
| | | 193.65 | 18.74 | 31/3 | 7.2 | 450 | 0.37 | 78 | 4.6 | 473 | 0.24 | 77 | 63 | 71 | | | | | |
| | | 163.25 | 15.80 | 31/3 | 8.6 | 380 | 0.37 | 78 | 5.5 | 399 | 0.24 | 77 | 63 | 71 | | | | | |
| | 143.04 | 13.84 | 31/3 | 9.8 | 340 | 0.37 | 78 | 6.3 | 357 | 0.24 | 77 | 63 | 71 | | | | | | |
| | 127.97 | 12.38 | 31/3 | 10.9 | 300 | 0.37 | 79 | 7.0 | 315 | 0.24 | 78 | 63 | 71 | | | | | | |
| | 110.03 | 10.65 | 31/3 | 12.7 | 260 | 0.37 | 79 | 8.2 | 273 | 0.24 | 78 | 63 | 71 | | | | | | |
| 97.50 | 9.44 | 31/3 | 14.4 | 230 | 0.37 | 79 | 9.2 | 242 | 0.24 | 78 | 63 | 71 | | | | | | | |
| PSH 2080 | 656.63* | 12.88 | 51/1 | 2.1 | 710 | 0.32 | 49 | 1.4 | 746 | 0.23 | 47 | 63 | 71* | | | | | | |
| | 520.20* | 10.20 | 51/1 | 2.7 | 710 | 0.40 | 50 | 1.7 | 746 | 0.29 | 48 | | 71 | 80* | | | | | |
| | 402.90* | 7.90 | 51/1 | 3.5 | 710 | 0.51 | 51 | 2.2 | 746 | 0.36 | 49 | | 71 | 80* | | | | | |
| | W - IEC | 276.81* | 12.88 | 43/2 | 5.1 | 710 | 0.56 | 68 | 3.3 | 746 | 0.39 | 67 | 63 | 71 | | | | | |
| | | 234.60 | 4.60 | 51/1 | 6.0 | 710 | 0.81 | 55 | 3.8 | 746 | 0.61 | 52 | 63 | 71 | 80 | 90* | | | |
| | | 187.00 | 3.67 | 51/1 | 7.5 | 670 | 0.92 | 57 | 4.8 | 704 | 0.68 | 54 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 157.64 | 3.09 | 51/1 | 8.9 | 670 | 1.08 | 58 | 5.7 | 704 | 0.80 | 55 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | + PAM | 138.13 | 2.71 | 51/1 | 10.1 | 645 | 1.14 | 60 | 6.5 | 677 | 0.87 | 56 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 123.58 | 2.42 | 51/1 | 11.3 | 620 | 1.20 | 61 | 7.3 | 651 | 0.92 | 57 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 106.25 | 2.08 | 51/1 | 13.2 | 590 | 1.32 | 62 | 8.5 | 620 | 1.02 | 58 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 94.15 | 1.85 | 51/1 | 14.9 | 560 | 1.39 | 63 | 9.6 | 588 | 1.08 | 59 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 78.83 | 3.67 | 43/2 | 17.8 | 655 | 1.63 | 75 | 11.4 | 688 | 1.18 | 72 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 66.45 | 3.09 | 43/2 | 21.1 | 630 | 1.83 | 76 | 13.5 | 662 | 1.35 | 73 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 58.23 | 2.71 | 43/2 | 24.0 | 600 | 1.96 | 77 | 15.5 | 630 | 1.46 | 74 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 52.10 | 2.42 | 43/2 | 26.9 | 575 | 2.10 | 77 | 17.3 | 604 | 1.55 | 75 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 44.79 | 2.08 | 43/2 | 31.3 | 550 | 2.31 | 78 | 20.1 | 578 | 1.72 | 76 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 37.89 | 3.67 | 31/3 | 36.9 | 550 | 2.56 | 83 | 23.8 | 578 | 1.81 | 82 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 31.94 | 3.09 | 31/3 | 43.8 | 525 | 2.87 | 84 | 28.2 | 551 | 2.08 | 82 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 27.99 | 2.71 | 31/3 | 50.0 | 510 | 3.14 | 85 | 32.2 | 536 | 2.30 | 83 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 25.04 | 2.42 | 31/3 | 55.9 | 490 | 3.37 | 85 | 35.9 | 515 | 2.48 | 83 | 63 | 71 | 80 | 90 | 100 | 112* | |
| 21.53 | | 2.08 | 31/3 | 65.0 | 470 | 3.72 | 86 | 41.8 | 494 | 2.76 | 84 | 63 | 71 | 80 | 90 | 100 | 112* | | |
| 19.08 | | 1.85 | 31/3 | 73.4 | 455 | 4.00 | 86 | 47.2 | 478 | 2.64 | 85 | 63 | 71 | 80 | 90 | 100 | 112 | | |
| 15.97 | | 3.09 | 31/6 | 87.7 | 395 | 4.00 | 89 | 56.4 | 415 | 2.64 | 88 | 63 | 71 | 80 | 90 | 100 | 112 | | |
| 13.99 | 2.71 | 31/6 | 100.1 | 365 | 4.00 | 89 | 64.3 | 383 | 2.64 | 88 | 63 | 71 | 80 | 90 | 100 | 112 | | | |
| 12.52 | 2.42 | 31/6 | 111.8 | 345 | 4.00 | 90 | 71.9 | 362 | 2.64 | 88 | 63 | 71 | 80 | 90 | 100 | 112 | | | |
| 10.76 | 2.08 | 31/6 | 130.1 | 340 | 4.00 | 90 | 83.6 | 357 | 2.64 | 89 | 63 | 71 | 80 | 90 | 100 | 112 | | | |
| 9.54 | 1.85 | 31/6 | 146.8 | 340 | 4.00 | 90 | 94.3 | 357 | 2.64 | 89 | 63 | 71 | 80 | 90 | 100 | 112 | | | |
| 7.55 | 1.46 | 31/6 | 185.4 | 295 | 4.00 | 91 | 119.2 | 310 | 2.64 | 90 | | | | 90 | 100 | 112 | | | |

* İşareti belirtilen tahvil oranlarının B14 veya B5 flanşlı gövde bağlantılılar için geçerli olduğunu gösterir. / Sign shows that this reduction ratio is valid for geared motor with B14 and B5 flange Das Vorzeichen zeigt an, dass die angegebenen Übersetzungen für B14- oder B5-Flanschanschlüsse gültig sind.

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| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 700 min ⁻¹ | | | | W n ₁ = 465 min ⁻¹ | | | | W n ₁ = 250 min ⁻¹ | | | | IEC - PAM | | | | | | | |
|-----------------|------------------|----------------|---------------------------------|--|------------------------|------------------------|-------|--|------------------------|------------------------|-------|--|------------------------|------------------------|-------|---------------------------|-----|-----|-----|-----|------|------|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | | | |
| PSH 3080 | 3356.08* | 65.81 | 51/1 | 0.21 | 793 | 0.04 | 45 | 0.14 | 857 | 0.03 | 45 | 0.07 | 918 | 0.02 | 44 | 63* | 71* | | | | | | |
| | 2658.80* | 52.13 | 51/1 | 0.26 | 800 | 0.05 | 45 | 0.17 | 835 | 0.03 | 45 | 0.09 | 912 | 0.02 | 44 | 63* | 71* | | | | | | |
| | 2059.27* | 40.38 | 51/1 | 0.34 | 809 | 0.06 | 45 | 0.23 | 823 | 0.04 | 45 | 0.12 | 905 | 0.03 | 44 | 63* | 71* | | | | | | |
| | W - IEC | 1199.07 | 23.51 | 51/1 | 0.58 | 828 | 0.11 | 46 | 0.39 | 853 | 0.08 | 45 | 0.21 | 874 | 0.04 | 45 | 63 | 71* | | | | | |
| | | 955.78 | 18.74 | 51/1 | 0.73 | 825 | 0.14 | 46 | 0.49 | 858 | 0.10 | 45 | 0.26 | 884 | 0.05 | 45 | 63 | 71* | | | | | |
| | 120 | 805.70 | 15.80 | 51/1 | 0.87 | 823 | 0.16 | 46 | 0.58 | 862 | 0.11 | 46 | 0.31 | 894 | 0.06 | 45 | 63 | 71* | | | | | |
| | + | 705.97 | 13.84 | 51/1 | 1.0 | 821 | 0.19 | 46 | 0.66 | 866 | 0.13 | 46 | 0.35 | 902 | 0.07 | 45 | 63 | 71* | | | | | |
| | | 631.62 | 12.38 | 51/1 | 1.1 | 821 | 0.20 | 47 | 0.74 | 863 | 0.15 | 46 | 0.40 | 851 | 0.08 | 45 | 63 | 71* | | | | | |
| | PAM | 543.06 | 10.65 | 51/1 | 1.3 | 764 | 0.19 | 47 | 0.86 | 748 | 0.12 | 46 | 0.46 | 732 | 0.07 | 45 | 63 | 71 | | | | | |
| | | 481.23 | 9.44 | 51/1 | 1.5 | 724 | 0.19 | 47 | 1.0 | 709 | 0.12 | 46 | 0.52 | 693 | 0.07 | 45 | 63 | 71 | | | | | |
| | 121 | 402.93 | 18.74 | 43/2 | 1.7 | 798 | 0.19 | 66 | 1.2 | 786 | 0.12 | 65 | 0.62 | 786 | 0.07 | 65 | 63 | 71* | | | | | |
| | | 339.66 | 15.80 | 43/2 | 2.1 | 679 | 0.19 | 66 | 1.4 | 669 | 0.12 | 65 | 0.74 | 669 | 0.07 | 65 | 63 | 71 | | | | | |
| | | 297.62 | 13.84 | 43/2 | 2.4 | 592 | 0.19 | 66 | 1.6 | 583 | 0.12 | 65 | 0.84 | 583 | 0.07 | 65 | 63 | 71 | | | | | |
| | | 266.27 | 12.38 | 43/2 | 2.6 | 554 | 0.19 | 66 | 1.7 | 554 | 0.12 | 66 | 0.94 | 545 | 0.07 | 65 | 63 | 71 | | | | | |
| | | 228.94 | 10.65 | 43/2 | 3.1 | 554 | 0.19 | 67 | 2.0 | 545 | 0.12 | 66 | 1.1 | 537 | 0.07 | 65 | 63 | 71 | | | | | |
| | | 193.65 | 18.74 | 31/3 | 3.6 | 442 | 0.19 | 76 | 2.4 | 442 | 0.12 | 76 | 1.3 | 442 | 0.07 | 76 | 63 | 71 | | | | | |
| | 163.25 | 15.80 | 31/3 | 4.3 | 377 | 0.19 | 77 | 2.8 | 372 | 0.12 | 76 | 1.5 | 372 | 0.07 | 76 | 63 | 71 | | | | | | |
| | 143.04 | 13.84 | 31/3 | 4.9 | 335 | 0.19 | 77 | 3.3 | 331 | 0.12 | 76 | 1.7 | 331 | 0.07 | 76 | 63 | 71 | | | | | | |
| | 127.97 | 12.38 | 31/3 | 5.5 | 295 | 0.19 | 77 | 3.6 | 291 | 0.12 | 76 | 2.0 | 291 | 0.07 | 76 | 63 | 71 | | | | | | |
| | 110.03 | 10.65 | 31/3 | 6.4 | 254 | 0.19 | 77 | 4.2 | 254 | 0.12 | 77 | 2.3 | 250 | 0.07 | 76 | 63 | 71 | | | | | | |
| | 97.50 | 9.44 | 31/3 | 7.2 | 229 | 0.19 | 78 | 4.8 | 226 | 0.12 | 77 | 2.6 | 223 | 0.07 | 76 | 63 | 71 | | | | | | |
| PSH 2080 | 656.63* | 12.88 | 51/1 | 1.1 | 757 | 0.19 | 47 | 0.71 | 797 | 0.13 | 46 | 0.38 | 833 | 0.07 | 45 | 63 | 71* | | | | | | |
| | 520.20* | 10.20 | 51/1 | 1.3 | 759 | 0.22 | 47 | 0.89 | 791 | 0.16 | 46 | 0.48 | 838 | 0.09 | 45 | | 71 | 80* | | | | | |
| | 402.90* | 7.90 | 51/1 | 1.7 | 761 | 0.28 | 48 | 1.2 | 792 | 0.21 | 47 | 0.62 | 844 | 0.12 | 46 | | 71 | 80* | | | | | |
| | W - IEC | 276.81* | 12.88 | 43/2 | 2.5 | 731 | 0.29 | 66 | 1.7 | 731 | 0.20 | 66 | 0.90 | 720 | 0.10 | 65 | 63 | 71 | | | | | |
| | | 234.60 | 4.60 | 51/1 | 3.0 | 779 | 0.49 | 50 | 2.0 | 810 | 0.35 | 48 | 1.1 | 857 | 0.21 | 47 | 63 | 71 | 80* | 90* | | | |
| | 116 | 187.00 | 3.67 | 51/1 | 3.7 | 739 | 0.55 | 52 | 2.5 | 775 | 0.41 | 49 | 1.3 | 820 | 0.24 | 47 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | + | 157.64 | 3.09 | 51/1 | 4.4 | 742 | 0.65 | 53 | 2.9 | 787 | 0.48 | 50 | 1.6 | 832 | 0.29 | 48 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 138.13 | 2.71 | 51/1 | 5.1 | 719 | 0.71 | 54 | 3.4 | 767 | 0.54 | 51 | 1.8 | 811 | 0.32 | 48 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | PAM | 123.58 | 2.42 | 51/1 | 5.7 | 698 | 0.76 | 55 | 3.8 | 743 | 0.57 | 52 | 2.0 | 787 | 0.34 | 49 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 106.25 | 2.08 | 51/1 | 6.6 | 674 | 0.83 | 56 | 4.4 | 716 | 0.62 | 53 | 2.4 | 767 | 0.39 | 49 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | 117 | 94.15 | 1.85 | 51/1 | 7.4 | 649 | 0.88 | 57 | 4.9 | 688 | 0.67 | 53 | 2.7 | 744 | 0.42 | 50 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 78.83 | 3.67 | 43/2 | 8.9 | 722 | 0.95 | 71 | 5.9 | 758 | 0.68 | 69 | 3.2 | 802 | 0.40 | 67 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 66.45 | 3.09 | 43/2 | 10.5 | 698 | 1.07 | 72 | 7.0 | 740 | 0.79 | 69 | 3.8 | 783 | 0.47 | 67 | 63 | 71 | 80 | 90* | 100* | 112* | |
| | | 58.23 | 2.71 | 43/2 | 12.0 | 668 | 1.17 | 72 | 8.0 | 713 | 0.85 | 70 | 4.3 | 754 | 0.50 | 68 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 52.10 | 2.42 | 43/2 | 13.4 | 647 | 1.24 | 73 | 8.9 | 689 | 0.92 | 70 | 4.8 | 730 | 0.54 | 68 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 44.79 | 2.08 | 43/2 | 15.6 | 629 | 1.39 | 74 | 10.4 | 668 | 1.02 | 71 | 5.6 | 715 | 0.61 | 69 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 37.89 | 3.67 | 31/3 | 18.5 | 607 | 1.47 | 80 | 12.3 | 636 | 1.04 | 79 | 6.6 | 673 | 0.60 | 77 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 31.94 | 3.09 | 31/3 | 21.9 | 582 | 1.65 | 81 | 14.6 | 616 | 1.19 | 79 | 7.8 | 652 | 0.68 | 78 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 27.99 | 2.71 | 31/3 | 25.0 | 568 | 1.81 | 82 | 16.6 | 606 | 1.32 | 80 | 8.9 | 641 | 0.77 | 78 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 25.04 | 2.42 | 31/3 | 28.0 | 551 | 1.97 | 82 | 18.6 | 587 | 1.43 | 80 | 10.0 | 622 | 0.84 | 78 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 21.53 | 2.08 | 31/3 | 32.5 | 537 | 2.20 | 83 | 21.6 | 571 | 1.59 | 81 | 11.6 | 611 | 0.94 | 79 | 63 | 71 | 80 | 90 | 100* | 112* | |
| | | 19.08 | 1.85 | 31/3 | 36.7 | 528 | 2.00 | 83 | 24.4 | 559 | 1.32 | 81 | 13.1 | 604 | 0.72 | 79 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 15.97 | 3.09 | 31/6 | 43.8 | 417 | 2.00 | 87 | 29.1 | 408 | 1.32 | 85 | 15.7 | 403 | 0.72 | 84 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 13.99 | 2.71 | 31/6 | 50.0 | 407 | 2.00 | 87 | 33.2 | 409 | 1.32 | 86 | 17.9 | 399 | 0.72 | 84 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 12.52 | 2.42 | 31/6 | 55.9 | 388 | 2.00 | 87 | 37.1 | 406 | 1.32 | 86 | 20.0 | 401 | 0.72 | 85 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 10.76 | 2.08 | 31/6 | 65.1 | 389 | 2.00 | 88 | 43.2 | 406 | 1.32 | 87 | 23.2 | 397 | 0.72 | 85 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 9.54 | 1.85 | 31/6 | 73.4 | 394 | 2.00 | 88 | 48.7 | 402 | 1.32 | 87 | 26.2 | 393 | 0.72 | 85 | 63 | 71 | 80 | 90 | 100 | 112* | |
| | | 7.55 | 1.46 | 31/6 | 92.7 | 351 | 2.00 | 89 | 61.6 | 377 | 1.32 | 88 | 33.1 | 390 | 0.72 | 86 | | | | 90 | 100 | 112* | |

* İşareti belirtilen tahvil oranlarının B14 veya B5 flanşlı gövde bağlantılılar için geçerli olduğunu gösterir. / Sign shows that this reduction ratio is valid for geared motor with B14 and B5 flange Das Vorzeichen zeigt an, dass die angegebenen Übersetzungen für B14- oder B5-Flanschanschlüsse gültig sind.

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

IEC - PAM bağlantısı yapılıncaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | W $n_1 = 1400 \text{ min}^{-1}$ | | | | W $n_1 = 900 \text{ min}^{-1}$ | | | | IEC - PAM $f_B \rightarrow$ 57 - 92 | | | | | | |
|--------------------|---------------------|---------------|-------------|---------------------------------|--------------------|--------------------|---------------|--------------------------------|--------------------|--------------------|---------------|--|-----|-----|------|------|------|------|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | | | | | | | |
| | | | | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | | | |
| PSH 3100 | 5876.67 | 117.53 | 50/1 | 0.24 | 1590 | 0.09 | 45 | 0.2 | 1670 | 0.06 | 45 | 63* | 71* | | | | | |
| | 4646.67 | 92.93 | 50/1 | 0.30 | 1590 | 0.11 | 46 | 0.2 | 1670 | 0.08 | 45 | 63* | 71* | | | | | |
| | 3735.56 | 74.71 | 50/1 | 0.37 | 1590 | 0.13 | 46 | 0.2 | 1670 | 0.09 | 45 | 63* | 71* | | | | | |
| | W - IEC | 2201.85 | 44.04 | 50/1 | 0.64 | 1590 | 0.23 | 47 | 0.4 | 1670 | 0.16 | 46 | 63 | 71* | | | | |
| | | 1670.37 | 33.41 | 50/1 | 0.84 | 1590 | 0.30 | 47 | 0.5 | 1670 | 0.21 | 46 | 63 | 71* | | | | |
| | | 1506.84 | 30.14 | 50/1 | 0.93 | 1590 | 0.32 | 48 | 0.6 | 1670 | 0.23 | 47 | 63 | 71* | | | | |
| | + PAM | 1173.93 | 23.48 | 50/1 | 1.2 | 1590 | 0.42 | 48 | 0.8 | 1670 | 0.29 | 47 | 63 | 71 | | | | |
| | | 660.00 | 13.20 | 50/1 | 2.1 | 1590 | 0.69 | 51 | 1.4 | 1670 | 0.50 | 49 | 63 | 71 | 80* | 90* | | |
| | | 519.44 | 10.39 | 50/1 | 2.7 | 1590 | 0.86 | 52 | 1.7 | 1670 | 0.62 | 50 | 63 | 71 | 80 | 90* | | |
| | | 468.59 | 9.37 | 50/1 | 3.0 | 1590 | 0.94 | 53 | 1.9 | 1670 | 0.69 | 50 | 63 | 71 | 80 | 90* | | |
| | | 365.06 | 7.30 | 50/1 | 3.8 | 1510 | 1.09 | 55 | 2.5 | 1586 | 0.80 | 52 | 63 | 71 | 80 | 90* | | |
| | | 298.69 | 5.97 | 50/1 | 4.7 | 1510 | 1.33 | 56 | 3.0 | 1586 | 0.98 | 53 | 63 | 71 | 80 | 90* | | |
| | | 257.40 | 13.20 | 39/2 | 5.4 | 1510 | 1.22 | 70 | 3.5 | 1586 | 0.86 | 69 | 63 | 71 | 80 | 90* | | |
| | | 182.75 | 9.37 | 39/2 | 7.7 | 1420 | 1.50 | 72 | 4.9 | 1491 | 0.99 | 70 | 63 | 71 | 80 | | | |
| | | 142.38 | 7.30 | 39/2 | 9.8 | 1310 | 1.50 | 74 | 6.3 | 1376 | 0.99 | 71 | 63 | 71 | 80 | 90 | | |
| 121.20 | | 10.39 | 35/3 | 11.6 | 1190 | 1.50 | 80 | 7.4 | 1250 | 0.99 | 78 | 63 | 71 | 80 | 90 | | | |
| 109.34 | | 9.37 | 35/3 | 12.8 | 1190 | 1.50 | 80 | 8.2 | 1250 | 0.99 | 79 | 63 | 71 | 80 | 90 | | | |
| 85.18 | | 7.30 | 35/3 | 16.4 | 1080 | 1.50 | 81 | 10.6 | 1134 | 0.99 | 80 | 63 | 71 | 80 | 90 | | | |
| 69.69 | 5.97 | 35/3 | 20.1 | 1080 | 1.50 | 82 | 12.9 | 1134 | 0.99 | 80 | 63 | 71 | 80 | 90 | | | | |
| 53.68 | 10.39 | 31/6 | 26.1 | 690 | 1.50 | 86 | 16.8 | 725 | 0.99 | 85 | 63 | 71 | 80 | 90 | | | | |
| PSH 2100 | 645.00 | 12.90 | 50/1 | 2.2 | 1420 | 0.64 | 51 | 1.4 | 1491 | 0.44 | 49 | 71 | 80* | 90* | | | | |
| | 510.00 | 10.20 | 50/1 | 2.7 | 1420 | 0.77 | 52 | 1.8 | 1491 | 0.56 | 50 | | 80 | 90* | | | | |
| | 410.00 | 8.20 | 50/1 | 3.4 | 1355 | 0.89 | 54 | 2.2 | 1423 | 0.67 | 51 | | | 90* | 100* | 112* | | |
| | W - IEC | 303.85 | 6.08 | 50/1 | 4.6 | 1420 | 1.22 | 56 | 3.0 | 1491 | 0.92 | 53 | | | 90* | | | |
| | | 241.67 | 4.83 | 50/1 | 5.8 | 1420 | 1.49 | 58 | 3.7 | 1491 | 1.09 | 55 | 71 | 80 | 90* | 100* | 112* | |
| | | 183.33 | 3.67 | 50/1 | 7.6 | 1365 | 1.78 | 61 | 4.9 | 1433 | 1.35 | 57 | 71 | 80 | 90 | 100* | 112* | |
| | + PAM | 165.38 | 3.31 | 50/1 | 8.5 | 1330 | 1.91 | 62 | 5.4 | 1397 | 1.43 | 58 | 71 | 80 | 90 | 100* | 112* | |
| | | 128.85 | 2.58 | 50/1 | 10.9 | 1240 | 2.18 | 65 | 7.0 | 1302 | 1.68 | 60 | 71 | 80 | 90 | 100* | 112* | 132* |
| | | 103.85 | 2.08 | 50/1 | 13.5 | 1170 | 2.47 | 67 | 8.7 | 1229 | 1.91 | 63 | | | 90 | 100* | 112* | 132* |
| | | 94.25 | 4.83 | 39/2 | 14.9 | 1310 | 2.69 | 76 | 9.5 | 1376 | 1.95 | 74 | 71 | 80 | 90 | 100* | 112* | |
| | | 71.50 | 3.67 | 39/2 | 19.6 | 1220 | 3.21 | 78 | 12.6 | 1281 | 2.33 | 75 | 71 | 80 | 90 | 100 | 112* | |
| | | 64.50 | 3.31 | 39/2 | 21.7 | 1190 | 3.42 | 79 | 14.0 | 1250 | 2.51 | 76 | 71 | 80 | 90 | 100 | 112* | |
| | | 50.25 | 2.58 | 39/2 | 27.9 | 1110 | 4.05 | 80 | 17.9 | 1166 | 2.97 | 78 | 71 | 80 | 90 | 100 | 112 | 132* |
| | | 42.78 | 3.67 | 35/3 | 32.7 | 1100 | 4.43 | 85 | 21.0 | 1155 | 3.17 | 83 | 71 | 80 | 90 | 100 | 112 | |
| | | 38.59 | 3.31 | 35/3 | 36.3 | 1100 | 4.92 | 85 | 23.3 | 1155 | 3.55 | 83 | 71 | 80 | 90 | 100 | 112 | |
| | | 34.29 | 1.76 | 39/2 | 40.8 | 1090 | 5.61 | 83 | 26.2 | 1145 | 4.26 | 80 | | | 90 | 100 | 112 | 132* |
| | | 30.06 | 2.58 | 35/3 | 46.6 | 1050 | 5.96 | 86 | 29.9 | 1103 | 4.36 | 84 | 71 | 80 | 90 | 100 | 112 | 132* |
| | | 24.23 | 2.08 | 35/3 | 57.8 | 1020 | 7.10 | 87 | 37.1 | 1071 | 5.26 | 85 | | | 90 | 100 | 112 | 132* |
| | | 20.52 | 1.76 | 35/3 | 68.2 | 840 | 6.82 | 88 | 43.9 | 882 | 5.11 | 86 | | | 90 | 100 | 112 | 132* |
| | | 18.94 | 3.67 | 31/6 | 73.9 | 720 | 6.19 | 90 | 47.5 | 756 | 4.21 | 88 | 71 | 80 | 90 | 100 | 112 | 132* |
| | | 17.09 | 3.31 | 31/6 | 81.9 | 710 | 6.77 | 90 | 52.7 | 746 | 4.64 | 89 | 71 | 80 | 90 | 100 | 112 | 132* |
| 16.25 | | 1.39 | 35/3 | 86.2 | 750 | 7.50 | 89 | 55.4 | 788 | 4.95 | 87 | | | 90 | 100 | 112 | 132* | |
| 13.31 | | 2.58 | 31/6 | 105.2 | 710 | 7.50 | 91 | 67.6 | 746 | 4.95 | 89 | 71 | 80 | 90 | 100 | 112 | 132* | |
| 10.73 | | 2.08 | 31/6 | 130.5 | 725 | 7.50 | 91 | 83.9 | 761 | 4.95 | 90 | | | 90 | 100 | 112 | 132* | |
| 9.09 | 1.76 | 31/6 | 154.0 | 725 | 7.50 | 92 | 99.0 | 761 | 4.95 | 91 | | | 90 | 100 | 112 | 132* | | |
| 7.20 | 1.39 | 31/6 | 194.4 | 680 | 7.50 | 92 | 125.0 | 714 | 4.95 | 91 | | | 90 | 100 | 112 | 132* | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max} -Werte nicht überschritten werden.

| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 700 min ⁻¹ | | | | W n ₁ = 465 min ⁻¹ | | | | W n ₁ = 250 min ⁻¹ | | | | IEC - PAM | | | | | | | |
|-----------------|------------------|----------------|---------------------------------|--|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--------------------------|-----|-----|------|------|------|------|------|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | | | |
| PSH 3100 | 5876.67 | 117.53 | 50/1 | 0.12 | 1760 | 0.05 | 45 | 0.08 | 1845 | 0.03 | 45 | 0.04 | 1913 | 0.02 | 45 | 63* | 71* | | | | | | |
| | 4646.67 | 92.93 | 50/1 | 0.15 | 1712 | 0.06 | 45 | 0.10 | 1820 | 0.04 | 45 | 0.05 | 1907 | 0.02 | 45 | 63* | 71* | | | | | | |
| | 3735.56 | 74.71 | 50/1 | 0.19 | 1655 | 0.07 | 45 | 0.12 | 1791 | 0.05 | 45 | 0.07 | 1900 | 0.03 | 45 | 63* | 71* | | | | | | |
| | 2201.85 | 44.04 | 50/1 | 0.32 | 1664 | 0.12 | 46 | 0.21 | 1690 | 0.08 | 45 | 0.11 | 1874 | 0.05 | 45 | 63 | 71* | | | | | | |
| | 1670.37 | 33.41 | 50/1 | 0.42 | 1690 | 0.16 | 46 | 0.28 | 1726 | 0.11 | 46 | 0.15 | 1853 | 0.06 | 45 | 63 | 71* | | | | | | |
| | 1506.84 | 30.14 | 50/1 | 0.46 | 1703 | 0.18 | 46 | 0.31 | 1743 | 0.12 | 46 | 0.17 | 1843 | 0.07 | 45 | 63 | 71* | | | | | | |
| | 1173.93 | 23.48 | 50/1 | 0.60 | 1710 | 0.23 | 47 | 0.40 | 1762 | 0.16 | 46 | 0.21 | 1805 | 0.09 | 45 | 63 | 71 | | | | | | |
| | 660.00 | 13.20 | 50/1 | 1.1 | 1695 | 0.41 | 48 | 0.70 | 1785 | 0.28 | 47 | 0.38 | 1865 | 0.16 | 46 | 63 | 71 | 80* | 90* | | | | |
| | PAM | 519.44 | 10.39 | 50/1 | 1.3 | 1698 | 0.47 | 49 | 0.90 | 1772 | 0.36 | 47 | 0.48 | 1875 | 0.20 | 46 | 63 | 71 | 80 | 90* | | | |
| | ↔ | 468.59 | 9.37 | 50/1 | 1.5 | 1700 | 0.54 | 49 | 1.0 | 1764 | 0.38 | 48 | 0.53 | 1880 | 0.23 | 46 | 63 | 71 | 80 | 90* | | | |
| 128 | 365.06 | 7.30 | 50/1 | 1.9 | 1619 | 0.64 | 50 | 1.3 | 1692 | 0.48 | 48 | 0.68 | 1800 | 0.27 | 47 | 63 | 71 | 80 | 90* | | | | |
| + | 298.69 | 5.97 | 50/1 | 2.3 | 1642 | 0.78 | 51 | 1.6 | 1715 | 0.59 | 49 | 0.84 | 1815 | 0.34 | 47 | 63 | 71 | 80 | 90* | | | | |
| | 257.40 | 13.20 | 39/2 | 2.7 | 1610 | 0.67 | 68 | 1.8 | 1696 | 0.48 | 67 | 1.0 | 1771 | 0.27 | 66 | 63 | 71 | 80 | 90* | | | | |
| | 182.75 | 9.37 | 39/2 | 3.8 | 1518 | 0.75 | 69 | 2.5 | 1576 | 0.50 | 68 | 1.4 | 1679 | 0.27 | 67 | 63 | 71 | 80 | 90* | | | | |
| | 142.38 | 7.30 | 39/2 | 4.9 | 1405 | 0.75 | 70 | 3.3 | 1468 | 0.50 | 68 | 1.8 | 1562 | 0.27 | 67 | 63 | 71 | 80 | 90 | | | | |
| | 121.20 | 10.39 | 35/3 | 5.8 | 1271 | 0.75 | 78 | 3.8 | 1326 | 0.50 | 77 | 2.1 | 1403 | 0.27 | 76 | 63 | 71 | 80 | 90 | | | | |
| | 109.34 | 9.37 | 35/3 | 6.4 | 1272 | 0.75 | 78 | 4.3 | 1320 | 0.50 | 77 | 2.3 | 1397 | 0.27 | 76 | 63 | 71 | 80 | 90 | | | | |
| | 85.18 | 7.30 | 35/3 | 8.2 | 1158 | 0.75 | 79 | 5.5 | 1210 | 0.50 | 77 | 2.9 | 1287 | 0.27 | 76 | 63 | 71 | 80 | 90 | | | | |
| | 69.69 | 5.97 | 35/3 | 10.0 | 1174 | 0.75 | 79 | 6.7 | 1227 | 0.50 | 78 | 3.6 | 1298 | 0.27 | 76 | 63 | 71 | 80 | 90 | | | | |
| | 53.68 | 10.39 | 31/6 | 13.0 | 688 | 0.75 | 84 | 8.7 | 688 | 0.50 | 84 | 4.7 | 680 | 0.27 | 83 | 63 | 71 | 80 | 90 | | | | |
| PSH 2100 | 645.00 | 12.90 | 50/1 | 1.1 | 1514 | 0.36 | 48 | 0.72 | 1593 | 0.26 | 47 | 0.39 | 1666 | 0.15 | 46 | | 80* | 90* | | | | | |
| | 510.00 | 10.20 | 50/1 | 1.4 | 1517 | 0.45 | 49 | 0.91 | 1581 | 0.32 | 47 | 0.49 | 1675 | 0.19 | 46 | | 80 | 90* | | | | | |
| | 410.00 | 8.20 | 50/1 | 1.7 | 1451 | 0.52 | 50 | 1.1 | 1508 | 0.36 | 48 | 0.61 | 1609 | 0.22 | 47 | | | 90* | 100* | 112* | | | |
| | W - IEC | 303.85 | 6.08 | 50/1 | 2.3 | 1542 | 0.73 | 51 | 1.5 | 1611 | 0.52 | 49 | 0.82 | 1706 | 0.31 | 47 | | | 90* | | | | |
| | ↔ | 241.67 | 4.83 | 50/1 | 2.9 | 1558 | 0.89 | 53 | 1.9 | 1621 | 0.65 | 50 | 1.0 | 1709 | 0.37 | 48 | 71 | 80 | 90* | 100* | 112* | | |
| | 124 | 183.33 | 3.67 | 50/1 | 3.8 | 1505 | 1.09 | 55 | 2.5 | 1579 | 0.79 | 52 | 1.4 | 1671 | 0.50 | 49 | 71 | 80 | 90 | 100* | 112* | | |
| | + | 165.38 | 3.31 | 50/1 | 4.2 | 1470 | 1.18 | 55 | 2.8 | 1552 | 0.88 | 52 | 1.5 | 1642 | 0.53 | 49 | 71 | 80 | 90 | 100* | 112* | | |
| | | 128.85 | 2.58 | 50/1 | 5.4 | 1387 | 1.35 | 58 | 3.6 | 1479 | 1.03 | 54 | 1.9 | 1564 | 0.62 | 50 | 71 | 80 | 90 | 100* | 112* | 132* | |
| | | PAM | 103.85 | 2.08 | 50/1 | 6.7 | 1337 | 1.56 | 60 | 4.5 | 1420 | 1.19 | 56 | 2.4 | 1521 | 0.75 | 51 | | | 90 | 100* | 112* | 132* |
| | ↔ | 94.25 | 4.83 | 39/2 | 7.4 | 1437 | 1.55 | 72 | 4.9 | 1495 | 1.10 | 70 | 2.7 | 1576 | 0.65 | 68 | 71 | 80 | 90 | 100* | 112* | | |
| | 125 | 71.50 | 3.67 | 39/2 | 9.8 | 1345 | 1.89 | 73 | 6.5 | 1412 | 1.35 | 71 | 3.5 | 1494 | 0.79 | 69 | 71 | 80 | 90 | 100* | 112* | | |
| | | 64.50 | 3.31 | 39/2 | 10.9 | 1316 | 2.03 | 74 | 7.2 | 1389 | 1.45 | 72 | 3.9 | 1469 | 0.87 | 69 | 71 | 80 | 90 | 100* | 112* | | |
| | | 50.25 | 2.58 | 39/2 | 13.9 | 1242 | 2.38 | 76 | 9.3 | 1324 | 1.77 | 73 | 5.0 | 1400 | 1.05 | 70 | 71 | 80 | 90 | 100 | 112* | 132* | |
| | | 42.78 | 3.67 | 35/3 | 16.4 | 1213 | 2.57 | 81 | 10.9 | 1273 | 1.84 | 79 | 5.8 | 1347 | 1.05 | 78 | 71 | 80 | 90 | 100 | 112* | | |
| | | 38.59 | 3.31 | 35/3 | 18.1 | 1216 | 2.81 | 82 | 12.0 | 1284 | 2.02 | 80 | 6.5 | 1358 | 1.18 | 78 | 71 | 80 | 90 | 100 | 112* | | |
| | | 34.29 | 1.76 | 39/2 | 20.4 | 1269 | 3.48 | 78 | 13.6 | 1346 | 2.56 | 75 | 7.3 | 1459 | 1.55 | 72 | | | 90 | 100 | 112 | 132* | |
| | | 30.06 | 2.58 | 35/3 | 23.3 | 1175 | 3.45 | 83 | 15.5 | 1252 | 2.51 | 81 | 8.3 | 1324 | 1.46 | 79 | 71 | 80 | 90 | 100 | 112 | 132* | |
| | | 24.23 | 2.08 | 35/3 | 28.9 | 1166 | 4.20 | 84 | 19.2 | 1238 | 3.04 | 82 | 10.3 | 1326 | 1.81 | 79 | | | 90 | 100 | 112 | 132* | |
| | | 20.52 | 1.76 | 35/3 | 34.1 | 978 | 4.11 | 85 | 22.7 | 1037 | 2.97 | 83 | 12.2 | 1125 | 1.80 | 80 | | | 90 | 100 | 112 | 132* | |
| | | 18.94 | 3.67 | 31/6 | 37.0 | 712 | 3.17 | 87 | 24.6 | 704 | 2.11 | 86 | 13.2 | 688 | 1.13 | 84 | 71 | 80 | 90 | 100 | 112 | 132 | |
| | | 17.09 | 3.31 | 31/6 | 41.0 | 717 | 3.50 | 88 | 27.2 | 700 | 2.32 | 86 | 14.6 | 692 | 1.24 | 85 | 71 | 80 | 90 | 100 | 112 | | |
| | | 16.25 | 1.39 | 35/3 | 43.1 | 897 | 3.75 | 86 | 28.6 | 968 | 2.48 | 84 | 15.4 | 1051 | 1.35 | 81 | 71 | 80 | 90 | 100 | 112 | 132* | |
| | | 13.31 | 2.58 | 31/6 | 52.6 | 712 | 3.75 | 89 | 34.9 | 696 | 2.48 | 87 | 18.8 | 680 | 1.35 | 85 | 71 | 80 | 90 | 100 | 112 | 132* | |
| | | 10.73 | 2.08 | 31/6 | 65.2 | 709 | 3.75 | 89 | 43.3 | 701 | 2.48 | 88 | 23.3 | 685 | 1.35 | 86 | | | 90 | 100 | 112 | 132* | |
| | | 9.09 | 1.76 | 31/6 | 77.0 | 709 | 3.75 | 90 | 51.2 | 694 | 2.48 | 88 | 27.5 | 678 | 1.35 | 86 | | | 90 | 100 | 112 | 132* | |
| | 7.20 | 1.39 | 31/6 | 97.2 | 680 | 3.75 | 91 | 64.6 | 665 | 2.48 | 89 | 34.7 | 650 | 1.35 | 87 | | | 90 | 100 | 112 | 132* | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | W $n_1=1400 \text{ min}^{-1}$ | | | | W $n_1=900 \text{ min}^{-1}$ | | | | IEC - PAM | | | | | | |
|--------------------|---------------|---------|-------------|--------------------------------|--------------------|--------------------|---------------|--------------------------------|--------------------|--------------------|---------------|---------------------------|-------|-------|-------|-------|--|--|
| | | | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B \rightarrow$ 57 - 92 | | | | | | |
| | | | | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min^{-1}] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | f_B | f_B | f_B | f_B | f_B | | |
| PSH 3125 | 7095.12 | 150.96 | 47/1 | 0.20 | 3000 | 0.13 | 47 | 0.1 | 3150 | 0.09 | 47 | 71* | 80* | 90* | | | | |
| | 5055.49 | 107.56 | 47/1 | 0.28 | 3090 | 0.19 | 48 | 0.2 | 3245 | 0.13 | 47 | 71* | 80* | 90* | | | | |
| | 3442.96 | 73.25 | 47/1 | 0.41 | 3090 | 0.28 | 48 | 0.3 | 3245 | 0.19 | 48 | 71* | 80* | 90* | | | | |
| W - IEC 136 | 2527.75 | 53.78 | 47/1 | 0.55 | 3090 | 0.36 | 49 | 0.4 | 3245 | 0.26 | 48 | 71* | 80* | 90* | | | | |
| | 2057.43 | 43.78 | 47/1 | 0.68 | 3090 | 0.45 | 49 | 0.4 | 3245 | 0.31 | 48 | 71 | 80* | 90* | | | | |
| | 1862.28 | 39.62 | 47/1 | 0.75 | 3090 | 0.50 | 49 | 0.5 | 3245 | 0.35 | 48 | 71 | 80* | 90* | | | | |
| + | 1637.95 | 34.85 | 47/1 | 0.85 | 3090 | 0.55 | 50 | 0.5 | 3245 | 0.39 | 49 | 71 | 80* | 90* | | | | |
| | 1475.08 | 31.38 | 47/1 | 0.95 | 3090 | 0.61 | 50 | 0.6 | 3245 | 0.43 | 49 | 71 | 80* | 90* | | | | |
| | PAM 137 | 1198.50 | 25.50 | 47/1 | 1.2 | 3090 | 0.76 | 51 | 0.8 | 3245 | 0.54 | 49 | 71 | 80 | 90* | | | |
| 928.25 | | 19.75 | 47/1 | 1.5 | 3090 | 0.93 | 52 | 1.0 | 3245 | 0.67 | 50 | | 80 | 90* | | | | |
| 793.81 | | 16.89 | 47/1 | 1.8 | 3090 | 1.10 | 53 | 1.1 | 3245 | 0.79 | 51 | | 80 | 90* | | | | |
| + | 690.49 | 30.69 | 45/2 | 2.0 | 2830 | 0.87 | 68 | 1.3 | 2972 | 0.60 | 67 | | 80 | 90* | | | | |
| | 607.31 | 26.99 | 45/2 | 2.3 | 2670 | 0.95 | 68 | 1.5 | 2804 | 0.66 | 67 | | 80 | 90* | | | | |
| | 546.92 | 24.31 | 45/2 | 2.6 | 3090 | 1.22 | 69 | 1.6 | 3245 | 0.86 | 67 | | 80 | 90* | | | | |
| | 444.38 | 19.75 | 45/2 | 3.2 | 2990 | 1.45 | 69 | 2.0 | 3140 | 0.98 | 68 | | 80 | 90* | | | | |
| | 380.02 | 16.89 | 45/2 | 3.7 | 2610 | 1.44 | 70 | 2.4 | 2741 | 0.96 | 69 | | 80 | 90* | | | | |
| | 323.00 | 14.39 | 45/2 | 4.3 | 2400 | 1.52 | 71 | 2.8 | 2520 | 1.03 | 69 | | 80 | 90 | | | | |
| | 270.16 | 12.01 | 45/2 | 5.2 | 2810 | 2.13 | 72 | 3.3 | 2951 | 1.49 | 70 | 71 | 80 | 90 | 100* | 112* | | |
| | 236.72 | 10.52 | 45/2 | 5.9 | 2810 | 2.38 | 73 | 3.8 | 2951 | 1.70 | 70 | 71 | 80 | 90 | 100* | 112* | | |
| | 187.50 | 8.33 | 45/2 | 7.5 | 2590 | 2.75 | 74 | 4.8 | 2720 | 1.96 | 72 | 71 | 80 | 90 | 100* | 112* | | |
| | 152.34 | 6.77 | 45/2 | 9.2 | 2590 | 3.28 | 76 | 5.9 | 2720 | 2.38 | 73 | 71 | 80 | 90 | 100 | 112* | | |
| | 130.28 | 5.79 | 45/2 | 10.7 | 2480 | 3.61 | 77 | 6.9 | 2604 | 2.64 | 74 | 71 | 80 | 90 | 100 | 112* | | |
| | 110.99 | 4.93 | 45/2 | 12.6 | 2370 | 4.00 | 78 | 8.1 | 2489 | 2.64 | 75 | 71 | 80 | 90 | 100 | 112 | | |
| | 86.11 | 8.33 | 31/3 | 16.3 | 1760 | 3.62 | 83 | 10.5 | 1848 | 2.55 | 81 | 71 | 80 | 90 | 100 | 112* | | |
| | 69.97 | 6.77 | 31/3 | 20.0 | 1560 | 3.89 | 84 | 12.9 | 1638 | 2.78 | 82 | 71 | 80 | 90 | 100 | 112* | | |
| | 62.60 | 6.06 | 31/3 | 22.4 | 1570 | 4.00 | 85 | 14.4 | 1649 | 2.64 | 83 | 71 | 80 | 90 | 100 | 112 | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max} -Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | $W \quad n_1 = 700 \text{ min}^{-1}$ | | | | $W \quad n_1 = 465 \text{ min}^{-1}$ | | | | $W \quad n_1 = 250 \text{ min}^{-1}$ | | | | IEC - PAM | | | | |
|-----------------|---------------|---------|-------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|--------------------------------------|--------------------|--------------------|---------------|---------------------------|-----|-----|------|------|
| | | | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B = 1$ | | $f_B \geq 1$ | | $f_B \rightarrow$ 57 - 92 | | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | |
| PSH 3125 | 7095.12 | 150.96 | 47/1 | 0.10 | 3000 | 0.07 | 47 | 0.07 | 3000 | 0.05 | 47 | 0.04 | 3000 | 0.03 | 47 | 71* | 80* | 90* | | |
| | 5055.49 | 107.56 | 47/1 | 0.14 | 3388 | 0.11 | 47 | 0.09 | 3569 | 0.07 | 47 | 0.05 | 3714 | 0.04 | 47 | 71* | 80* | 90* | | |
| | 3442.96 | 73.25 | 47/1 | 0.20 | 3204 | 0.14 | 47 | 0.14 | 3475 | 0.11 | 47 | 0.07 | 3691 | 0.06 | 47 | 71* | 80* | 90* | | |
| W - IEC | 2527.75 | 53.78 | 47/1 | 0.28 | 3206 | 0.20 | 48 | 0.18 | 3364 | 0.13 | 47 | 0.10 | 3665 | 0.08 | 47 | 71 | 80* | 90* | | |
| | 2057.43 | 43.78 | 47/1 | 0.34 | 3235 | 0.24 | 48 | 0.23 | 3286 | 0.17 | 47 | 0.12 | 3641 | 0.10 | 47 | 71 | 80* | 90* | | |
| | 1862.28 | 39.62 | 47/1 | 0.38 | 3252 | 0.27 | 48 | 0.25 | 3309 | 0.18 | 47 | 0.13 | 3628 | 0.11 | 47 | 71 | 80* | 90* | | |
| + | 1637.95 | 34.85 | 47/1 | 0.43 | 3276 | 0.31 | 48 | 0.28 | 3342 | 0.20 | 48 | 0.15 | 3608 | 0.12 | 47 | 71 | 80* | 90* | | |
| | 1475.08 | 31.38 | 47/1 | 0.47 | 3299 | 0.34 | 48 | 0.32 | 3374 | 0.24 | 48 | 0.17 | 3589 | 0.14 | 47 | 71 | 80* | 90* | | |
| | PAM | 1198.50 | 25.50 | 47/1 | 0.58 | 3325 | 0.41 | 49 | 0.39 | 3420 | 0.29 | 48 | 0.21 | 3380 | 0.16 | 47 | 71 | 80* | 90* | |
| 928.25 | | 19.75 | 47/1 | 0.75 | 3315 | 0.53 | 49 | 0.50 | 3439 | 0.38 | 48 | 0.27 | 3538 | 0.21 | 48 | | 80 | 90* | | |
| 793.81 | | 16.89 | 47/1 | 0.88 | 3306 | 0.61 | 50 | 0.59 | 3453 | 0.44 | 49 | 0.31 | 3571 | 0.24 | 48 | | 80 | 90* | | |
| 137 | 690.49 | 30.69 | 45/2 | 1.0 | 3027 | 0.48 | 66 | 0.67 | 3097 | 0.33 | 66 | 0.36 | 3282 | 0.19 | 65 | | 80 | 90* | | |
| | 607.31 | 26.99 | 45/2 | 1.2 | 2875 | 0.54 | 67 | 0.77 | 2952 | 0.36 | 66 | 0.41 | 3063 | 0.20 | 65 | | 80 | 90* | | |
| | 546.92 | 24.31 | 45/2 | 1.3 | 3324 | 0.68 | 67 | 0.85 | 3396 | 0.46 | 66 | 0.46 | 3396 | 0.25 | 66 | | 80 | 90* | | |
| | 444.38 | 19.75 | 45/2 | 1.6 | 2977 | 0.74 | 67 | 1.0 | 2933 | 0.47 | 66 | 0.56 | 2933 | 0.26 | 66 | | 80 | 90* | | |
| | 380.02 | 16.89 | 45/2 | 1.8 | 2587 | 0.72 | 68 | 1.2 | 2549 | 0.48 | 67 | 0.66 | 2511 | 0.26 | 66 | | 80 | 90* | | |
| | 323.00 | 14.39 | 45/2 | 2.2 | 2298 | 0.78 | 68 | 1.4 | 2265 | 0.50 | 67 | 0.77 | 2231 | 0.27 | 66 | | 80 | 90* | | |
| | 270.16 | 12.01 | 45/2 | 2.6 | 2998 | 1.18 | 69 | 1.7 | 3146 | 0.84 | 67 | 0.93 | 3302 | 0.49 | 66 | 71 | 80 | 90 | 100* | 112* |
| | 236.72 | 10.52 | 45/2 | 3.0 | 3001 | 1.37 | 69 | 2.0 | 3132 | 0.96 | 68 | 1.1 | 3312 | 0.58 | 66 | 71 | 80 | 90 | 100* | 112* |
| | 187.50 | 8.33 | 45/2 | 3.7 | 2772 | 1.53 | 70 | 2.5 | 2880 | 1.11 | 68 | 1.3 | 3073 | 0.62 | 67 | 71 | 80 | 90 | 100* | 112* |
| | 152.34 | 6.77 | 45/2 | 4.6 | 2786 | 1.89 | 71 | 3.1 | 2916 | 1.37 | 69 | 1.6 | 3096 | 0.77 | 67 | 71 | 80 | 90 | 100* | 112* |
| | 130.28 | 5.79 | 45/2 | 5.4 | 2705 | 2.12 | 72 | 3.6 | 2824 | 1.52 | 70 | 1.9 | 2986 | 0.87 | 68 | 71 | 80 | 90 | 100 | 112* |
| | 110.99 | 4.93 | 45/2 | 6.3 | 2599 | 2.00 | 73 | 4.2 | 2706 | 1.32 | 71 | 2.3 | 2849 | 0.72 | 68 | 71 | 80 | 90 | 100 | 112* |
| | 86.11 | 8.33 | 31/3 | 8.1 | 1884 | 2.00 | 80 | 5.4 | 1866 | 1.34 | 79 | 2.9 | 1842 | 0.72 | 78 | 71 | 80 | 90 | 100 | 112* |
| | 69.97 | 6.77 | 31/3 | 10.0 | 1678 | 2.17 | 81 | 6.6 | 1756 | 1.52 | 80 | 3.6 | 1810 | 0.87 | 78 | 71 | 80 | 90 | 100 | 112* |
| | 62.60 | 6.06 | 31/3 | 11.2 | 1705 | 2.00 | 82 | 7.4 | 1782 | 1.32 | 80 | 4.0 | 1810 | 0.72 | 78 | 71 | 80 | 90 | 100 | 112 |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

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| Tip Type Typ | i _{ges} | i ₁ | Z ₂ / Z ₁ | W n ₁ = 1400 min ⁻¹ | | | | W n ₁ = 900 min ⁻¹ | | | | IEC - PAM | | | | | |
|--------------------|------------------|----------------|---------------------------------|---|---------------------------|---------------------------|----------|--|---------------------------|---------------------------|----------|--------------------------|------|------|------|------|--|
| | | | | f _B =1 | | f _B ≥1 | | f _B =1 | | f _B ≥1 | | f _B → 57 - 92 | | | | | |
| | | | | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | n ₂ [min ⁻¹] | M _{amax} [Nm] | P _{1max} [kW] | η [%] | | | | | | |
| PSH 2125 | 695.60 | 14.80 | 47/1 | 2.0 | 2850 | 1.11 | 54 | 1.3 | 2993 | 0.79 | 51 | 90* | | | | | |
| | 495.64 | 10.55 | 47/1 | 2.8 | 2850 | 1.49 | 56 | 1.8 | 2993 | 1.11 | 53 | 90* | 100* | 112* | | | |
| W - IEC | 337.55 | 7.18 | 47/1 | 4.1 | 2850 | 2.07 | 59 | 2.7 | 2993 | 1.56 | 56 | | 100* | 112* | 132* | | |
| | 247.82 | 5.27 | 47/1 | 5.6 | 2760 | 2.61 | 62 | 3.6 | 2898 | 2.01 | 58 | | | | 132* | | |
| 132 | 201.71 | 4.29 | 47/1 | 6.9 | 2630 | 2.92 | 65 | 4.5 | 2762 | 2.23 | 60 | 90 | 100* | 112* | | | |
| | 182.58 | 3.88 | 47/1 | 7.7 | 2560 | 3.13 | 66 | 4.9 | 2688 | 2.36 | 61 | 90 | 100 | 112* | | | |
| + | 160.58 | 3.42 | 47/1 | 8.7 | 2470 | 3.36 | 67 | 5.6 | 2594 | 2.52 | 63 | 90 | 100 | 112* | | | |
| | 144.62 | 3.08 | 47/1 | 9.7 | 2390 | 3.57 | 68 | 6.2 | 2510 | 2.67 | 64 | 90 | 100 | 112* | 132* | 160* | |
| PAM | 117.50 | 2.50 | 47/1 | 11.9 | 2240 | 3.93 | 71 | 7.7 | 2352 | 3.03 | 66 | 90 | 100 | 112* | 132* | 160* | |
| | 100.48 | 2.14 | 47/1 | 13.9 | 2130 | 4.31 | 72 | 9.0 | 2237 | 3.32 | 68 | 90 | 100 | 112 | 132* | 160* | |
| 133 | 87.40 | 3.88 | 45/2 | 16.0 | 2360 | 4.94 | 80 | 10.3 | 2478 | 3.59 | 77 | 90 | 100 | 112 | 132* | | |
| | 76.88 | 3.42 | 45/2 | 18.2 | 2290 | 5.39 | 81 | 11.7 | 2405 | 3.94 | 78 | 90 | 100 | 112 | 132* | | |
| | 69.23 | 3.08 | 45/2 | 20.2 | 2220 | 5.80 | 81 | 13.0 | 2331 | 4.26 | 78 | 90 | 100 | 112 | 132* | 160* | |
| | 56.25 | 2.50 | 45/2 | 24.9 | 2060 | 6.47 | 83 | 16.0 | 2163 | 4.81 | 80 | 90 | 100 | 112 | 132* | 160* | |
| | 48.10 | 2.14 | 45/2 | 29.1 | 1960 | 7.11 | 84 | 18.7 | 2058 | 5.32 | 81 | 90 | 100 | 112 | 132* | 160* | |
| | 40.98 | 1.82 | 45/2 | 34.2 | 1840 | 7.75 | 85 | 22.0 | 1932 | 5.87 | 82 | 90 | 100 | 112 | 132* | 160* | |
| | 35.31 | 3.42 | 31/3 | 39.6 | 1600 | 7.54 | 88 | 25.5 | 1680 | 5.42 | 86 | 90 | 100 | 112 | 132* | | |
| | 31.79 | 3.08 | 31/3 | 44.0 | 1840 | 9.63 | 88 | 28.3 | 1932 | 7.00 | 86 | 90 | 100 | 112 | 132 | 160* | |
| | 25.83 | 2.50 | 31/3 | 54.2 | 1710 | 10.90 | 89 | 34.8 | 1796 | 8.00 | 87 | 90 | 100 | 112 | 132 | 160* | |
| | 22.09 | 2.14 | 31/3 | 63.4 | 1610 | 11.88 | 90 | 40.7 | 1691 | 8.78 | 88 | 90 | 100 | 112 | 132 | 160* | |
| | 18.82 | 1.82 | 31/3 | 74.4 | 1510 | 13.07 | 90 | 47.8 | 1586 | 9.66 | 89 | 90 | 100 | 112 | 132 | 160* | |
| | 15.90 | 3.08 | 31/6 | 88.1 | 1240 | 12.43 | 92 | 56.6 | 1302 | 8.85 | 90 | 90 | 100 | 112 | 132 | 160* | |
| | 14.54 | 1.41 | 31/3 | 96.3 | 1340 | 14.85 | 91 | 61.9 | 1407 | 11.21 | 90 | | | | 132 | 160* | |
| | 12.92 | 2.50 | 31/6 | 108.4 | 1240 | 15.00 | 92 | 69.7 | 1302 | 9.90 | 91 | 90 | 100 | 112 | 132 | 160 | |
| | 11.05 | 2.14 | 31/6 | 126.7 | 1240 | 15.00 | 93 | 81.4 | 1302 | 9.90 | 92 | 90 | 100 | 112 | 132 | 160 | |
| | 9.41 | 1.82 | 31/6 | 148.8 | 1140 | 15.00 | 93 | 95.6 | 1197 | 9.90 | 92 | 90 | 100 | 112 | 132 | 160 | |
| | 8.44 | 1.63 | 31/6 | 165.9 | 1140 | 15.00 | 93 | 106.6 | 1197 | 9.90 | 92 | | | | 132 | 160 | |
| | 7.75 | 1.50 | 31/6 | 180.6 | 1010 | 15.00 | 93 | 116.1 | 1061 | 9.90 | 93 | | | | 132 | 160 | |
| | 7.27 | 1.41 | 31/6 | 192.6 | 940 | 15.00 | 93 | 123.8 | 987 | 9.90 | 93 | | | | 132 | 160 | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır - Do not exceed the P_{1max} values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P_{1max}-Werte nicht überschritten werden.

| Tip Type Typ | i_{ges} | i_1 | Z_2 / Z_1 | $W \quad n_1=700 \text{ min}^{-1}$ | | | | $W \quad n_1=465 \text{ min}^{-1}$ | | | | $W \quad n_1=250 \text{ min}^{-1}$ | | | | IEC - PAM | | | | | |
|-------------------|---------------|-------|-------------|------------------------------------|--------------------|--------------------|---------------|------------------------------------|--------------------|--------------------|---------------|------------------------------------|--------------------|--------------------|---------------|---------------------------|------|------|------|------|--|
| | | | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B=1$ | | $f_B \geq 1$ | | $f_B \rightarrow$ 57 - 92 | | | | | |
| | | | | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | n_2 [min ⁻¹] | M_{amax} [Nm] | P_{1max} [kW] | η [%] | | | | | | |
| PSH 2125 | 695.60 | 14.80 | 47/1 | 1.0 | 3041 | 0.64 | 50 | 0.67 | 3068 | 0.44 | 49 | 0.36 | 3005 | 0.24 | 48 | 90* | | | | | |
| | 495.64 | 10.55 | 47/1 | 1.4 | 3044 | 0.86 | 52 | 0.94 | 3177 | 0.63 | 50 | 0.50 | 3359 | 0.37 | 48 | 90* | 100* | 112* | | | |
| | 337.55 | 7.18 | 47/1 | 2.1 | 3056 | 1.24 | 54 | 1.4 | 3196 | 0.92 | 51 | 0.74 | 3399 | 0.54 | 49 | | 100* | 112* | 132* | | |
| W - IEC | 247.82 | 5.27 | 47/1 | 2.8 | 3023 | 1.58 | 56 | 1.9 | 3152 | 1.18 | 53 | 1.0 | 3322 | 0.70 | 50 | | | | 132* | | |
| 201.71 | 4.29 | 47/1 | 3.5 | 2891 | 1.83 | 58 | 2.3 | 3010 | 1.34 | 54 | 1.2 | 3186 | 0.78 | 51 | 90 | 100* | 112* | | | | |
| 132 182.58 | 3.88 | 47/1 | 3.8 | 2820 | 1.90 | 59 | 2.5 | 2950 | 1.40 | 55 | 1.4 | 3122 | 0.88 | 52 | 90 | 100* | 112* | | | | |
| 160.58 | 3.42 | 47/1 | 4.4 | 2729 | 2.10 | 60 | 2.9 | 2874 | 1.56 | 56 | 1.6 | 3041 | 0.98 | 52 | 90 | 100* | 112* | | | | |
| + | 144.62 | 3.08 | 47/1 | 4.8 | 2648 | 2.18 | 61 | 3.2 | 2807 | 1.65 | 57 | 1.7 | 2970 | 1.00 | 53 | 90 | 100 | 112* | 132* | 160* | |
| PAM | 117.50 | 2.50 | 47/1 | 6.0 | 2513 | 2.51 | 63 | 4.0 | 2678 | 1.90 | 59 | 2.1 | 2831 | 1.15 | 54 | 90 | 100 | 112* | 132* | 160* | |
| 100.48 | 2.14 | 47/1 | 7.0 | 2427 | 2.74 | 65 | 4.6 | 2579 | 2.07 | 60 | 2.5 | 2756 | 1.31 | 55 | 90 | 100 | 112* | 132* | 160* | | |
| 133 87.40 | 3.88 | 45/2 | 8.0 | 2599 | 2.90 | 75 | 5.3 | 2720 | 2.10 | 72 | 2.9 | 2878 | 1.27 | 69 | 90 | 100 | 112* | 132* | | | |
| 76.88 | 3.42 | 45/2 | 9.1 | 2530 | 3.21 | 75 | 6.0 | 2665 | 2.29 | 73 | 3.3 | 2820 | 1.39 | 70 | 90 | 100 | 112 | 132* | | | |
| 69.23 | 3.08 | 45/2 | 10.1 | 2459 | 3.42 | 76 | 6.7 | 2608 | 2.51 | 73 | 3.6 | 2759 | 1.49 | 70 | 90 | 100 | 112 | 132* | 160* | | |
| 56.25 | 2.50 | 45/2 | 12.4 | 2311 | 3.85 | 78 | 8.3 | 2462 | 2.85 | 75 | 4.4 | 2604 | 1.69 | 71 | 90 | 100 | 112 | 132* | 160* | | |
| 48.10 | 2.14 | 45/2 | 14.6 | 2233 | 4.32 | 79 | 9.7 | 2373 | 3.17 | 76 | 5.2 | 2536 | 1.92 | 72 | 90 | 100 | 112 | 132* | 160* | | |
| 40.98 | 1.82 | 45/2 | 17.1 | 2136 | 4.78 | 80 | 11.3 | 2263 | 3.48 | 77 | 6.1 | 2450 | 2.14 | 73 | 90 | 100 | 112 | 132* | 160* | | |
| 35.31 | 3.42 | 31/3 | 19.8 | 1767 | 4.36 | 84 | 13.2 | 1862 | 3.14 | 82 | 7.1 | 1904 | 1.77 | 80 | 90 | 100 | 112 | 132* | | | |
| 31.79 | 3.08 | 31/3 | 22.0 | 2008 | 5.44 | 85 | 14.6 | 1960 | 3.61 | 83 | 7.9 | 1890 | 1.95 | 80 | 90 | 100 | 112 | 132 | 160* | | |
| 25.83 | 2.50 | 31/3 | 27.1 | 1918 | 6.33 | 86 | 18.0 | 1949 | 4.37 | 84 | 9.7 | 1880 | 2.36 | 81 | 90 | 100 | 112 | 132 | 160* | | |
| 22.09 | 2.14 | 31/3 | 31.7 | 1834 | 7.00 | 87 | 21.1 | 1917 | 5.04 | 84 | 11.3 | 1872 | 2.70 | 82 | 90 | 100 | 112 | 132 | 160* | | |
| 18.82 | 1.82 | 31/3 | 37.2 | 1753 | 7.85 | 87 | 24.7 | 1857 | 5.65 | 85 | 13.3 | 1829 | 3.11 | 82 | 90 | 100 | 112 | 132 | 160* | | |
| 15.90 | 3.08 | 31/6 | 44.0 | 1285 | 6.65 | 89 | 29.2 | 1271 | 4.42 | 88 | 15.7 | 1242 | 2.37 | 86 | 90 | 100 | 112 | 132 | 160* | | |
| 14.54 | 1.41 | 31/3 | 48.1 | 1599 | 9.05 | 89 | 32.0 | 1725 | 6.64 | 87 | 17.2 | 1801 | 3.86 | 84 | | | | 132 | 160* | | |
| 12.92 | 2.50 | 31/6 | 54.2 | 1300 | 7.50 | 90 | 36.0 | 1271 | 4.95 | 88 | 19.3 | 1242 | 2.70 | 86 | 90 | 100 | 112 | 132 | 160* | | |
| 11.05 | 2.14 | 31/6 | 63.3 | 1283 | 7.50 | 91 | 42.1 | 1255 | 4.95 | 89 | 22.6 | 1226 | 2.70 | 87 | 90 | 100 | 112 | 132 | 160* | | |
| 9.41 | 1.82 | 31/6 | 74.4 | 1251 | 7.50 | 91 | 49.4 | 1238 | 4.95 | 90 | 26.6 | 1196 | 2.70 | 87 | 90 | 100 | 112 | 132 | 160* | | |
| 8.44 | 1.63 | 31/6 | 82.9 | 1220 | 7.50 | 91 | 55.1 | 1207 | 4.95 | 90 | 29.6 | 1180 | 2.70 | 88 | | | | 132 | 160* | | |
| 7.75 | 1.50 | 31/6 | 90.3 | 1196 | 7.50 | 92 | 60.0 | 1207 | 4.95 | 90 | 32.3 | 1180 | 2.70 | 88 | | | | 132 | 160 | | |
| 7.27 | 1.41 | 31/6 | 96.3 | 1122 | 7.50 | 92 | 64.0 | 1189 | 4.95 | 91 | 34.4 | 1150 | 2.70 | 88 | | | | 132 | 160 | | |

IEC - PAM bağlantısı yoktur / No IEC - PAM assembling on empty fields / Keine IEC - PAM-Verbindung

63 IEC - PAM bağlantısı yapılır / IEC - PAM assembling available on numbered fields / IEC - PAM-Verbindung möglich

80* IEC - PAM bağlantısı yapılacaksa P1max değerleri aşılmamalıdır - Do not exceed the P1max values indicated on fields with asterisk / Bei IEC - PAM-Verbindungen, sollten die P1max-Werte nicht überschritten werden.



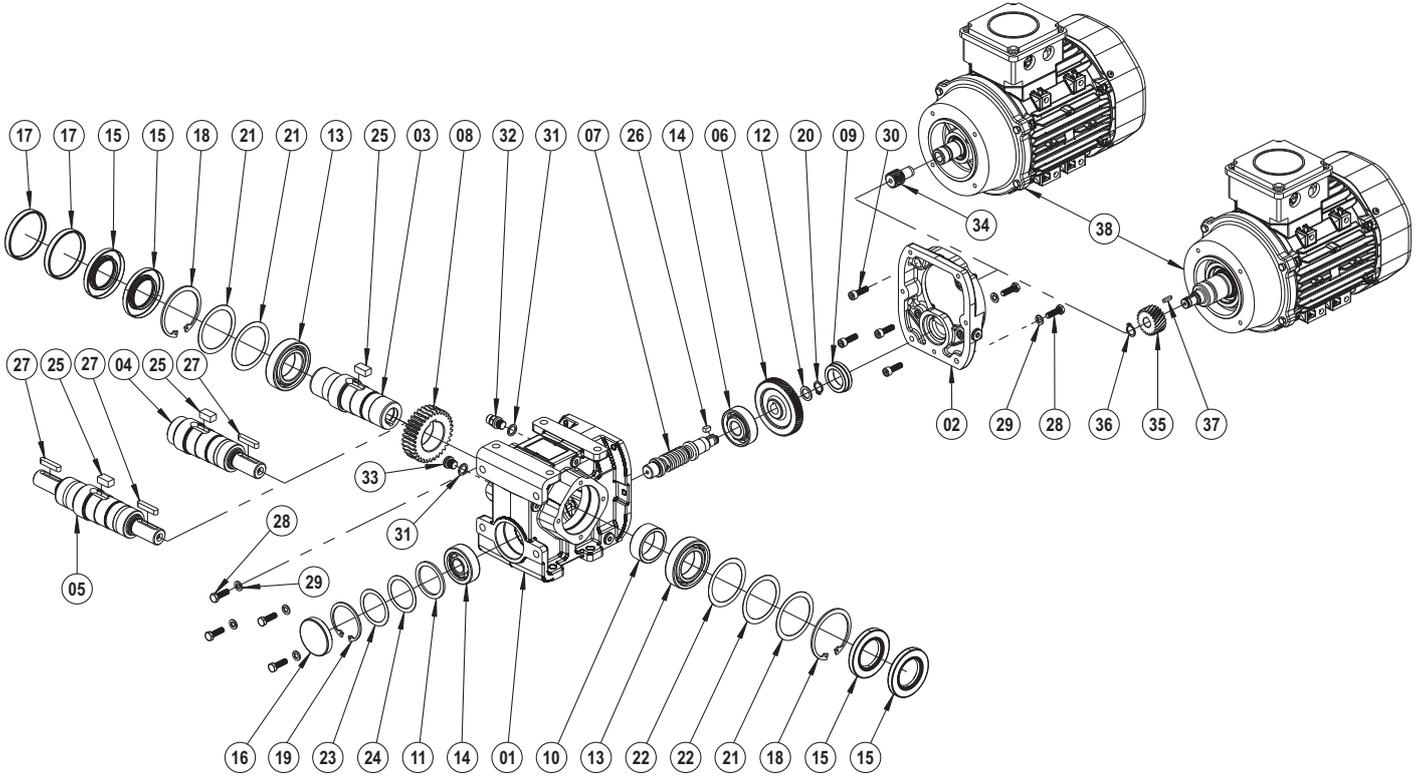
A series of horizontal dotted lines spanning the width of the page, intended for writing or drawing.

PSH 2040
DG - TMA - TMG

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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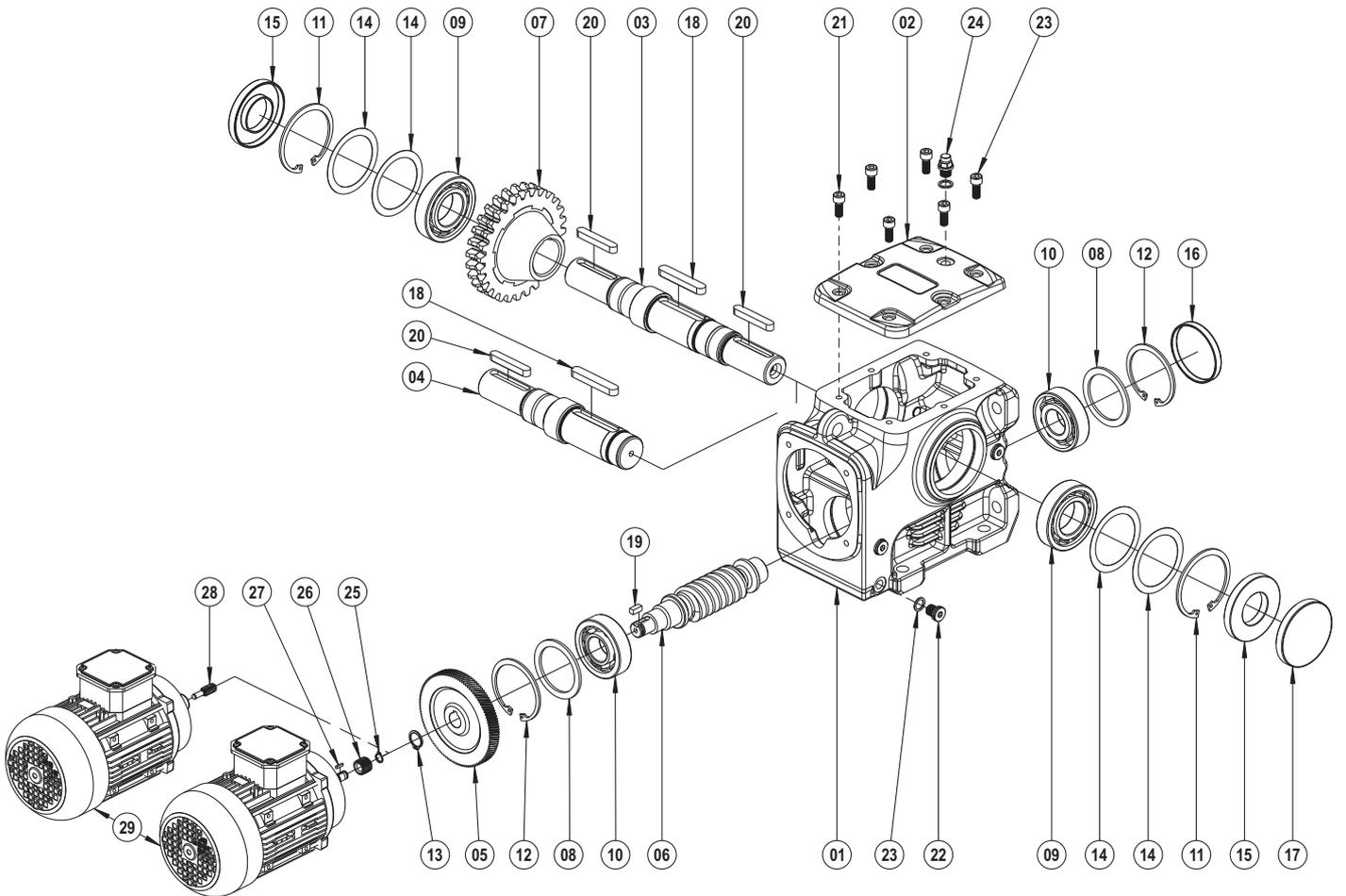
| | | | | | | | | | | | |
|----|---------------------|----|----------------------|----|---------------------|----|---------------------------|----|--------------------------|----|--------------------------------|
| 01 | Gövde | 20 | Segman (DIN 471) | 01 | Gear Case | 20 | Circlip (DIN 471) | 01 | Gehäuse | 20 | Sicherungsring (DIN 471) |
| 02 | Ara Bağlantı Flanşı | 21 | Layner (DIN 988) | 02 | Intermediate Flange | 21 | Shim (DIN 988) | 02 | Zwischenflansch | 21 | Passscheibe (DIN 988) |
| 03 | Çıkış Şaftı | 22 | Layner (DIN 988) | 03 | Hollow Shaft | 22 | Shim (DIN 988) | 03 | Hohlwelle | 22 | Passscheibe (DIN 988) |
| 04 | Tek Çıkış Mili | 23 | Layner (DIN 988) | 04 | Output Solid Shaft | 23 | Shim (DIN 988) | 04 | Abtriebswelle | 23 | Passscheibe (DIN 988) |
| 05 | Çift Çıkış Mili | 24 | Layner (DIN 988) | 05 | Output Solid Shaft | 24 | Shim (DIN 988) | 05 | Abtriebswelle | 24 | Passscheibe (DIN 988) |
| 06 | Z2 Dişlisi | 25 | Kama (DIN 6885) | 06 | Driving Gear | 25 | Key (DIN 6885) | 06 | Antriebsrad | 25 | Passfeder (DIN 6885) |
| 07 | Z3 Dişlisi | 26 | Kama (DIN 6885) | 07 | Pinion Shaft | 26 | Key (DIN 6885) | 07 | Ritzelwelle | 26 | Passfeder (DIN 6885) |
| 08 | Z4 Dişlisi | 27 | Kama (DIN 6885) | 08 | Driven Gear | 27 | Key (DIN 6885) | 08 | Abtriebsrad | 27 | Passfeder (DIN 6885) |
| 09 | Baga | 28 | Cıvata (DIN 933) | 09 | Spacer | 28 | Bolt (DIN 933) | 09 | Distanzbuchse | 28 | Verschrauben (DIN 933) |
| 10 | Burç | 29 | Rondela (DIN 127) | 10 | Spacer | 29 | Washer (DIN 127) | 10 | Distanzbuchse | 29 | Distanzscheibe (DIN 127) |
| 11 | Rondela | 30 | Cıvata (DIN 912) | 11 | Washer | 30 | Bolt (DIN 912) | 11 | Distanzscheibe | 30 | Verschrauben (DIN 912) |
| 12 | Rondela | 31 | Rondela (DIN 7603) | 12 | Washer | 31 | Washer (DIN 7603) | 12 | Distanzscheibe | 31 | Distanzscheibe (DIN 7603) |
| 13 | Rulman | 32 | Havalandırma Tapası | 13 | Bearing | 32 | Vent Plug | 13 | Kugellager | 32 | Entlüftungsstopfen |
| 14 | Rulman | 33 | Yağ Tapası (DIN 908) | 14 | Bearing | 33 | Oil Plug (DIN 908) | 14 | Kugellager | 33 | Ölstöpsel (DIN 908) |
| 15 | Yağ Keçesi | 34 | Z1 Dişlisi | 15 | Oil Seal | 34 | Driving Pinion | 15 | Öldichtung | 34 | Antriebsritzel |
| 16 | Yağ Kapağı | 35 | Z1 Dişlisi (Kamalı) | 16 | Oil Cover | 35 | Driving Pinion (With Key) | 16 | Ölabdeckung | 35 | Antriebsritzel (mit Passfeder) |
| 17 | Yağ Kapağı | 36 | Segman (DIN 471) | 17 | Oil Cover | 36 | Circlip (DIN 471) | 17 | Ölabdeckung | 36 | Sicherungsring (DIN 471) |
| 18 | Segman (DIN 472) | 37 | Kama (DIN 6885) | 18 | Circlip (DIN 472) | 37 | Key (DIN 6885) | 18 | Sicherungsring (DIN 472) | 37 | Passfeder (DIN 6885) |
| 19 | Segman (DIN 472) | 38 | Motor | 19 | Circlip (DIN 472) | 38 | Motor | 19 | Sicherungsring (DIN 472) | 38 | Motor |

PSH 2050 ... 2125
TMA - ÇMA

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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| | | | | | | | | | | | |
|----|------------------|----|----------------------|----|--------------------|----|---------------------------|----|--------------------------|----|--------------------------------|
| 01 | Gövde | 16 | Yağ Kapağı | 01 | Gear Case | 16 | Oil Cover | 01 | Gehäuse | 16 | Ölabdeckung |
| 02 | Kapak | 17 | Yağ Kapağı | 02 | Cover | 17 | Oil Cover | 02 | Abdeckung | 17 | Ölabdeckung |
| 03 | Çift Çıkış Mili | 18 | Kama (DIN 6885) | 03 | Output Solid Shaft | 18 | Key (DIN 6885) | 03 | Abtriebswelle | 18 | Passfeder (DIN 6885) |
| 04 | Tek Çıkış Mili | 19 | Kama (DIN 6885) | 04 | Output Solid Shaft | 19 | Key (DIN 6885) | 04 | Abtriebswelle | 19 | Passfeder (DIN 6885) |
| 05 | Z1 Dişlisi | 20 | Kama (DIN 6885) | 05 | Driving Pinion | 20 | Key (DIN 6885) | 05 | Antriebsritzel | 20 | Passfeder (DIN 6885) |
| 06 | Z2 Dişlisi | 21 | Cıvata (DIN 912) | 06 | Driving Gear | 21 | Bolt (DIN 912) | 06 | Antriebsrad | 21 | Verschrauben (DIN 912) |
| 07 | Çark | 22 | Yağ Tapası (DIN 908) | 07 | Worm Wheel | 22 | Oil Plug (DIN 908) | 07 | Schneckenrad | 22 | Ölstöpsel (DIN 908) |
| 08 | Rondela | 23 | Rondela (DIN 7603) | 08 | Washer | 23 | Washer (DIN 7603) | 08 | Distanzscheibe | 23 | Distanzscheibe (DIN 7603) |
| 09 | Rulman | 24 | Havalandırma Tapası | 09 | Bearing | 24 | Vent Plug | 09 | Kugellager | 24 | Entlüftungsstopfen |
| 10 | Rulman | 25 | Segman (DIN 471) | 10 | Bearing | 25 | Circlip (DIN 471) | 10 | Kugellager | 25 | Sicherungsring (DIN 471) |
| 11 | Segman (DIN 472) | 26 | Z1 Dişlisi (Kamalı) | 11 | Circlip (DIN 472) | 26 | Driving Pinion (With Key) | 11 | Sicherungsring (DIN 472) | 26 | Antriebsritzel (mit Passfeder) |
| 12 | Segman (DIN 472) | 27 | Kama (DIN 6885) | 12 | Circlip (DIN 472) | 27 | Key (DIN 6885) | 12 | Sicherungsring (DIN 472) | 27 | Passfeder (DIN 6885) |
| 13 | Segman (DIN 471) | 28 | Z1 Dişlisi | 13 | Circlip (DIN 471) | 28 | Driving Pinion | 13 | Sicherungsring (DIN 471) | 28 | Antriebsritzel |
| 14 | Layner (DIN 988) | 29 | Motor | 14 | Shim (DIN 988) | 29 | Motor | 14 | Passscheibe (DIN 988) | 29 | Motor |
| 15 | Yağ Keçesi | | | 15 | Oil Seal | | | 15 | Öldichtung | | |

TR

GENEL PARÇA LİSTESİ

EN

GENERAL PART LIST

DE

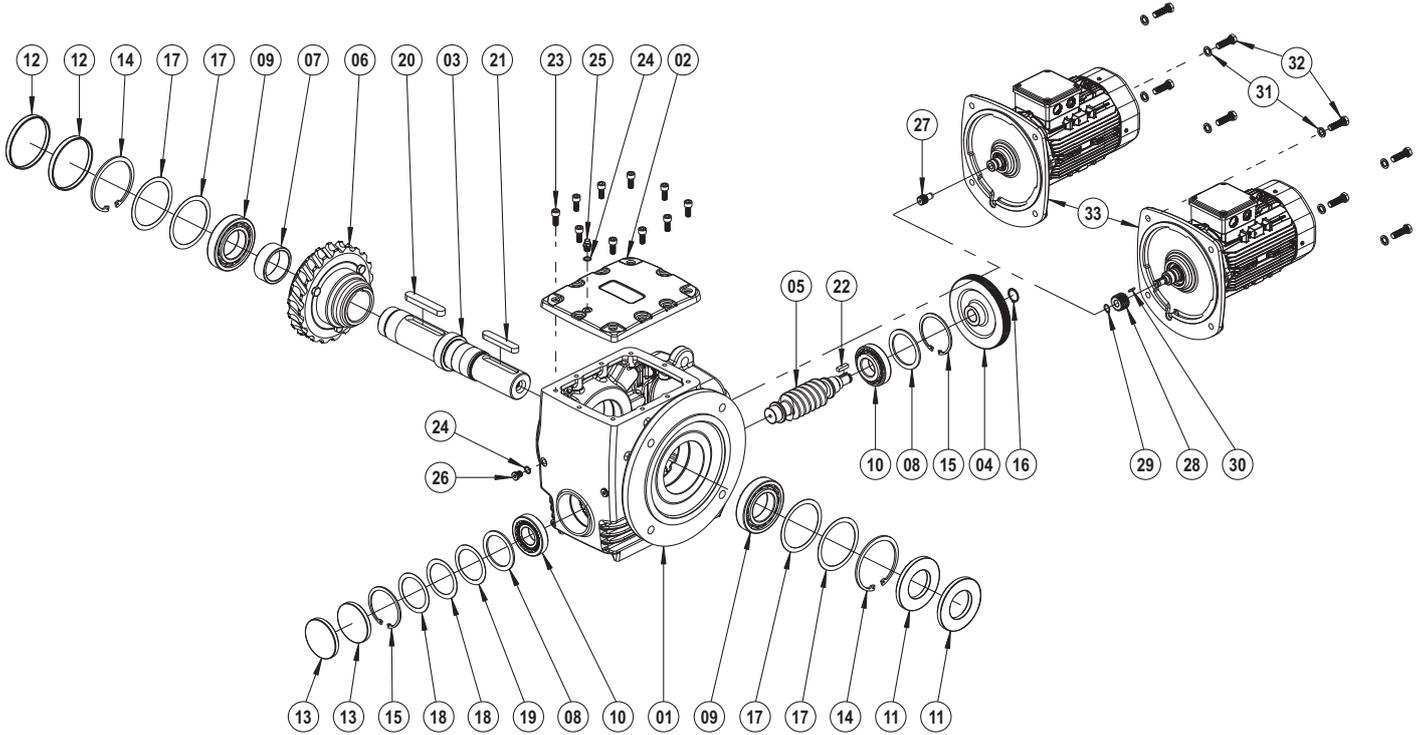
ALLGEMEINE STUCKLISTE

PSH 2050 ... 2125
TMG - B5

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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- 01 Gövde
- 02 Kapak
- 03 Çıkış Mili
- 04 Z2 Dişlisi
- 05 Z1 Dişlisi
- 06 Z2 Dişlisi
- 07 Burç
- 08 Rondela
- 09 Rulman
- 10 Rulman
- 11 Yağ Keçesi
- 12 Yağ Kapağı
- 13 Yağ Kapağı
- 14 Segman (DIN 472)
- 15 Segman (DIN 472)
- 16 Segman (DIN 471)
- 17 Layner (DIN 988)
- 18 Layner (DIN 988)
- 19 Layner (DIN 988)
- 20 Kama (DIN 6885)
- 21 Kama (DIN 6885)
- 22 Kama (DIN 6885)
- 23 Cıvata (DIN 912)
- 24 Rondela (DIN 7603)
- 25 Havalandırma Tapası
- 26 Yağ Tapası (DIN 908)
- 27 Z1 Dişlisi
- 28 Z1 Dişlisi (Kamalı)
- 29 Segman (DIN 471)
- 30 Kama (DIN 6885)
- 31 Rondela (DIN 127)
- 32 Cıvata (DIN 933)
- 33 Motor

- 01 Gear Case
- 02 Cover
- 03 Output Solid Shaft
- 04 Driving Gear
- 05 Driving Pinion
- 06 Driving Gear
- 07 Spacer
- 08 Washer
- 09 Bearing
- 10 Bearing
- 11 Oil Seal
- 12 Oil Cover
- 13 Oil Cover
- 14 Circlip (DIN 472)
- 15 Circlip (DIN 472)
- 16 Circlip (DIN 471)
- 17 Shim (DIN 988)
- 18 Shim (DIN 988)
- 19 Shim (DIN 988)
- 20 Key (DIN 6885)
- 21 Key (DIN 6885)
- 22 Key (DIN 6885)
- 23 Bolt (DIN 912)
- 24 Washer (DIN 7603)
- 25 Vent Plug
- 26 Oil Plug (DIN 908)
- 27 Driving Pinion
- 28 Driving Pinion (With Key)
- 29 Circlip (DIN 471)
- 30 Key (DIN 6885)
- 31 Washer (DIN 127)
- 32 Bolt (DIN 933)
- 33 Motor

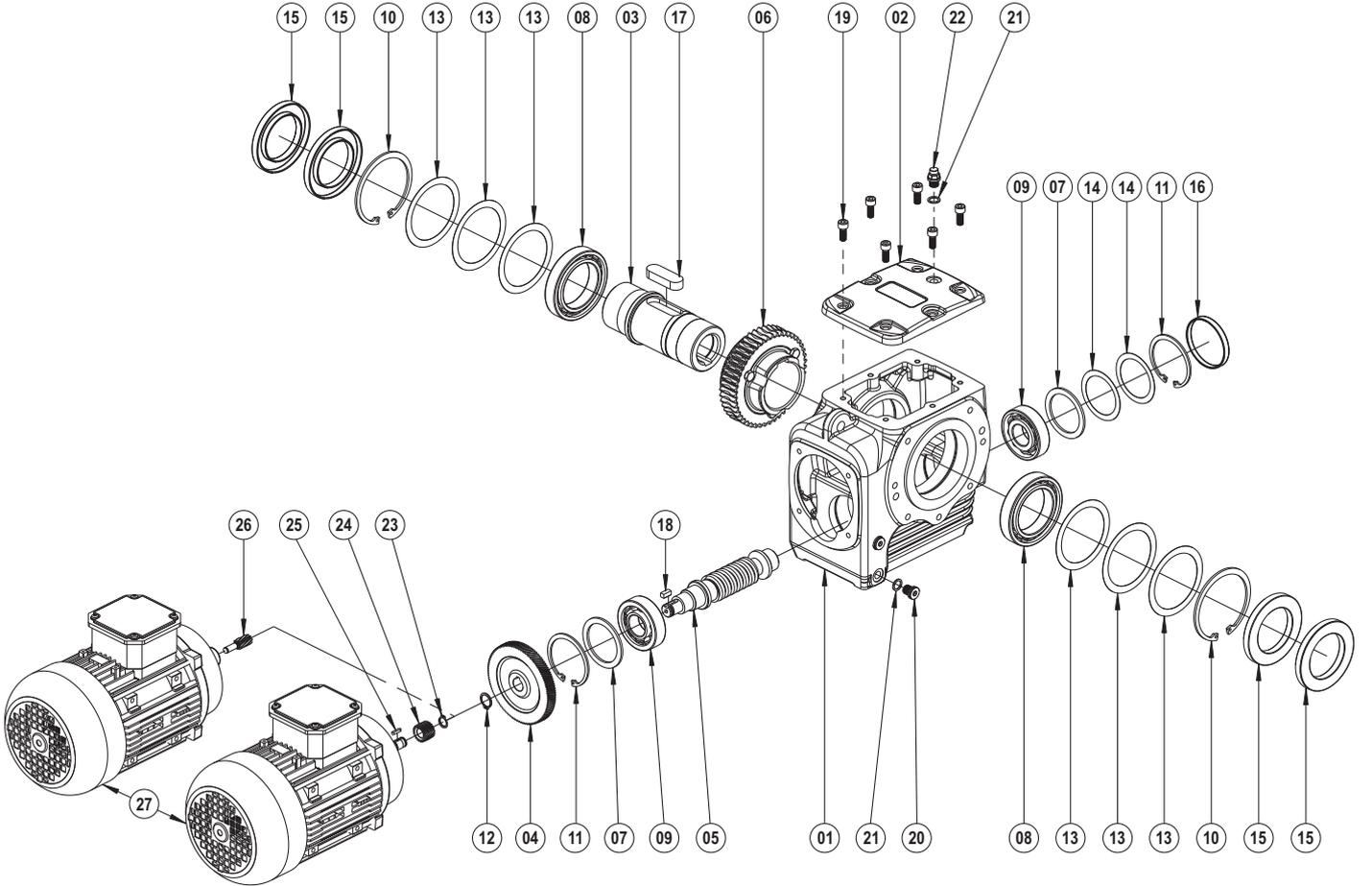
- 01 Gehäuse
- 02 Abdeckung
- 03 Abtriebswelle
- 04 Antriebsrad
- 05 Antriebsritzel
- 06 Antriebsrad
- 07 Distanzbuchse
- 08 Distanzscheibe
- 09 Kugellager
- 10 Kugellager
- 11 Öldichtung
- 12 Ölbedeckung
- 13 Ölbedeckung
- 14 Sicherungsring (DIN 472)
- 15 Sicherungsring (DIN 472)
- 16 Sicherungsring (DIN 471)
- 17 Passscheibe (DIN 988)
- 18 Passscheibe (DIN 988)
- 19 Passscheibe (DIN 988)
- 20 Passfeder (DIN 6885)
- 21 Passfeder (DIN 6885)
- 22 Passfeder (DIN 6885)
- 23 Verschrauben (DIN 912)
- 24 Distanzscheibe (DIN 7603)
- 25 Entlüftungsstopfen
- 26 Ölstöpsel (DIN 908)
- 27 Antriebsritzel
- 28 Antriebsritzel (mit Passfeder)
- 29 Sicherungsring (DIN 471)
- 30 Passfeder (DIN 6885)
- 31 Distanzscheibe (DIN 127)
- 32 Verschrauben (DIN 933)
- 33 Motor

PSH 2050 ... 2125
DG

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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| | |
|----|-----------------------|
| 01 | Gövde |
| 02 | Kapak |
| 03 | Çıkış Şaftı |
| 04 | Z2 Dişlisi |
| 05 | Z1 Dişlisi |
| 06 | Z2 Dişlisi |
| 07 | Rondela |
| 08 | Rulman |
| 09 | Rulman |
| 10 | Segman (DIN 472) |
| 11 | Segman (DIN 472) |
| 12 | Segman (DIN 471) |
| 13 | Layner (DIN 988) |
| 14 | Layner (DIN 988) |
| 15 | Yağ Keçesi |
| 16 | Yağ Kapağı |
| 17 | Kama (DIN 6885) |
| 18 | Kama (DIN 6885) |
| 19 | Çıvata (DIN 912) |
| 20 | Yağ Tapaası (DIN 908) |
| 21 | Rondela (DIN 7603) |
| 22 | Havalandırma Tapaası |
| 23 | Segman (DIN 471) |
| 24 | Z1 Dişlisi (Kamalı) |
| 25 | Kama (DIN 6885) |
| 26 | Z1 Dişlisi |
| 27 | Motor |

| | |
|----|---------------------------|
| 01 | Gear Case |
| 02 | Cover |
| 03 | Hollow Shaft |
| 04 | Driving Gear |
| 05 | Driving Pinion |
| 06 | Driving Gear |
| 07 | Washer |
| 08 | Bearing |
| 09 | Bearing |
| 10 | Circlip (DIN 472) |
| 11 | Circlip (DIN 472) |
| 12 | Circlip (DIN 471) |
| 13 | Shim (DIN 988) |
| 14 | Shim (DIN 988) |
| 15 | Oil Seal |
| 16 | Oil Cover |
| 17 | Key (DIN 6885) |
| 18 | Key (DIN 6885) |
| 19 | Bolt (DIN 912) |
| 20 | Oil Plug (DIN 908) |
| 21 | Washer (DIN 7603) |
| 22 | Vent Plug |
| 23 | Circlip (DIN 471) |
| 24 | Driving Pinion (With Key) |
| 25 | Key (DIN 6885) |
| 26 | Driving Pinion |
| 27 | Motor |

| | |
|----|--------------------------------|
| 01 | Gehäuse |
| 02 | Abdeckung |
| 03 | Hohlwelle |
| 04 | Antriebsrad |
| 05 | Antriebsritzel |
| 06 | Antriebsrad |
| 07 | Distanzscheibe |
| 08 | Kugellager |
| 09 | Kugellager |
| 10 | Sicherungsring (DIN 472) |
| 11 | Sicherungsring (DIN 472) |
| 12 | Sicherungsring (DIN 471) |
| 13 | Passscheibe (DIN 988) |
| 14 | Passscheibe (DIN 988) |
| 15 | Öldichtung |
| 16 | Ölabdeckung |
| 17 | Passfeder (DIN 6885) |
| 18 | Passfeder (DIN 6885) |
| 19 | Verschrauben (DIN 912) |
| 20 | Ölstöpsel (DIN 908) |
| 21 | Distanzscheibe (DIN 7603) |
| 22 | Entlüftungstopfen |
| 23 | Sicherungsring (DIN 471) |
| 24 | Antriebsritzel (mit Passfeder) |
| 25 | Passfeder (DIN 6885) |
| 26 | Antriebsritzel |
| 27 | Motor |

TR

GENEL PARÇA LİSTESİ

EN

GENERAL PART LIST

DE

ALLGEMEINE STUCKLISTE

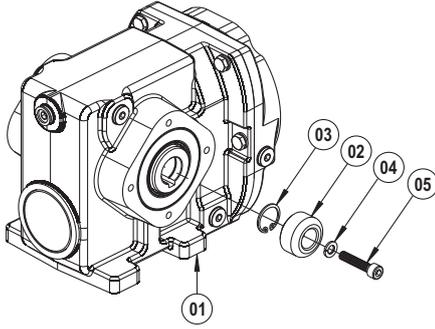
PSH 2040 ... 2125

Aksesuarlar / Accessories / Zubehör

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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Çektirme (Ç)

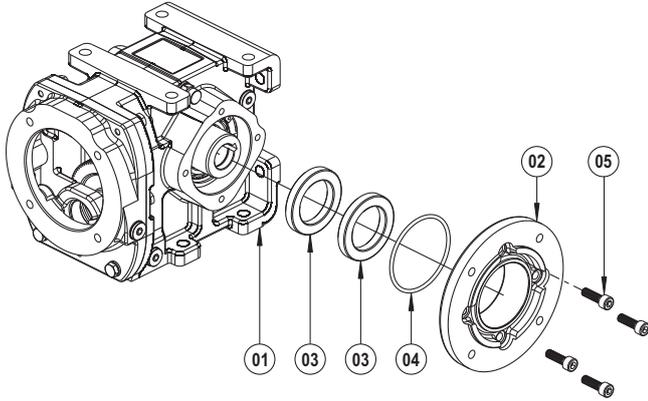
- 01 PSH Kit
- 02 Çektirme Rondelası
- 03 Segman (DIN 472)
- 04 Rondela (DIN 127)
- 05 Cıvata (DIN 912)

Puller (Ç)

- PSH Kit
- Puller Washer
- Circlip (DIN 472)
- Washer (DIN 127)
- Bolt (DIN 912)

Befestigungsbausatz (Ç)

- PSH Bausatz
- Abziehscheibe
- Sicherungsring (DIN 472)
- Distanzscheibe (DIN 127)
- Verschrauben (DIN 912)



B5 Çıkış Flanşı

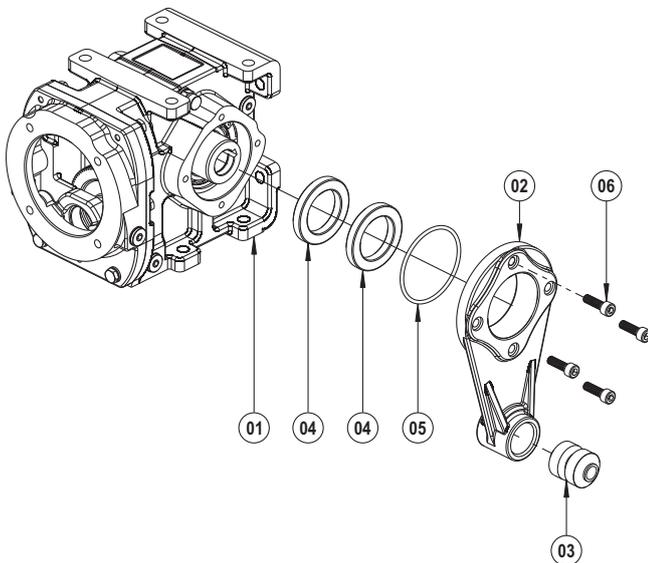
- 01 PSH Kit
- 02 B5 Çıkış Flanşı
- 03 Yağ Keçesi
- 04 O-Ring
- 05 Cıvata (DIN 912)

B5 Output Flange

- PSH Kit
- B5 Output Flange
- Oil Seal
- O-Ring
- Bolt (DIN 912)

B5 Abtriebsflansch

- PSH Bausatz
- B5 Abtriebsflansch
- Öldichtung
- O-Ring
- Verschrauben (DIN 912)



Tork Kolu (TK)

- 01 PSH Kit
- 02 Tork Kolu
- 03 Lastik Takoz
- 04 Yağ Keçesi
- 05 O-Ring
- 06 Cıvata (DIN 912)

Torque Arm (TK)

- PSH Kit
- Torque Arm
- Rubber Buffer
- Oil Seal
- O-Ring
- Bolt (DIN 912)

Drehmomentstütze (TK)

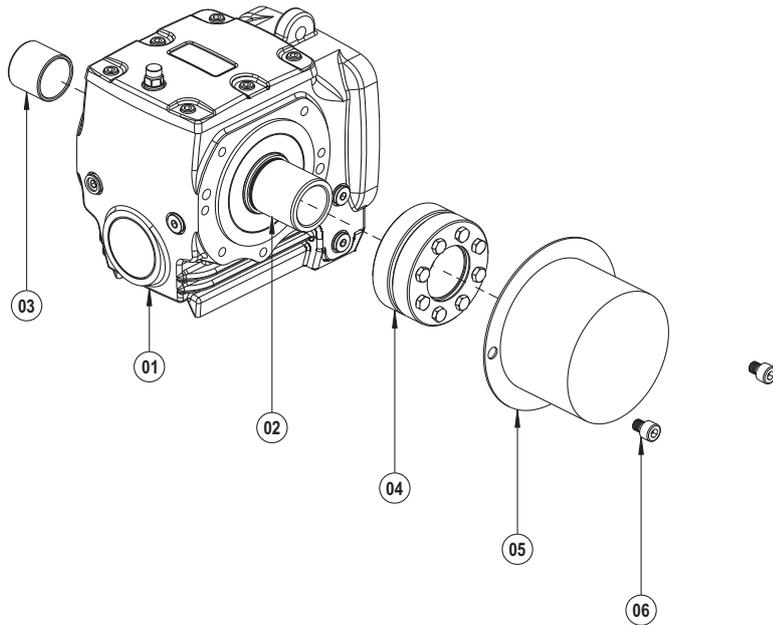
- PSH Bausatz
- Drehmomentstütze
- Gummipuffer
- Öldichtung
- O-Ring
- Verschrauben (DIN 912)

PSH 2050 ... 2125
Aksesuarlar / Accessories / Zubehör

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**Konik Sıkırma (KS)
Koruma Kapağı (KK)**

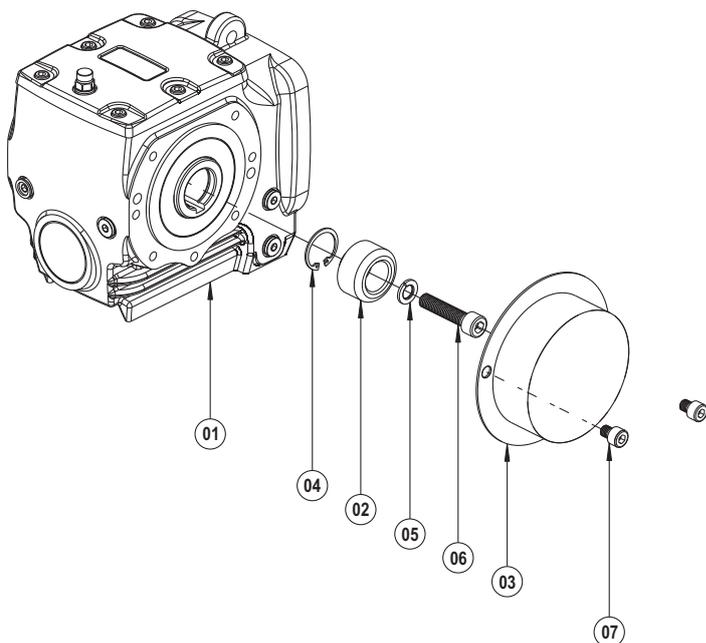
- 01 PSH Kit
- 02 Konik Sıkırma Şaftı
- 03 Konik Sıkırma Burcu
- 04 Konik Sıkırma
- 05 Konik Sıkırma Koruma Kapağı
- 06 Cıvata (DIN 912)

**Shrink Disk (KS)
Protection Cover (KK)**

- 01 PSH Kit
- 02 Shrink Disk Hollow Shaft
- 03 Shrink Disk Bushing
- 04 Shrink Disk
- 05 Shrink Disk Cover
- 06 Bolt (DIN 912)

**Schrumpfscheibe (KS)
Schutzhülle (KK)**

- 01 PSH Bausatz
- 02 Schrumpfscheibe Hohlwelle
- 03 Schrumpfscheibenbuchse
- 04 Schrumpfscheibe
- 05 Schrumpfscheibedeckel
- 06 Verschrauben (DIN 912)


**Çektirme (Ç)
Koruma Kapağı (KK)**

- 01 PSH Kit
- 02 Çektirme Rondelası
- 03 Şaft Koruma Kapağı
- 04 Segman (DIN 472)
- 05 Rondela (DIN 127)
- 06 Cıvata (DIN 912)
- 07 Cıvata (DIN 912)

**Puller (Ç)
Protection Cover (KK)**

- 01 PSH Kit
- 02 Puller Washer
- 03 Protection Cover
- 04 Circlip (DIN 472)
- 05 Washer (DIN 127)
- 06 Bolt (DIN 912)
- 07 Bolt (DIN 912)

**Befestigungsbausatz (Ç)
Schutzhülle (KK)**

- 01 PSH Bausatz
- 02 Abziehscheibe
- 03 Schutzhülle
- 04 Sicherungsring (DIN 472)
- 05 Distanzscheibe (DIN 127)
- 06 Verschrauben (DIN 912)
- 07 Verschrauben (DIN 912)

TR

GENEL PARÇA LİSTESİ

EN

GENERAL PART LIST

DE

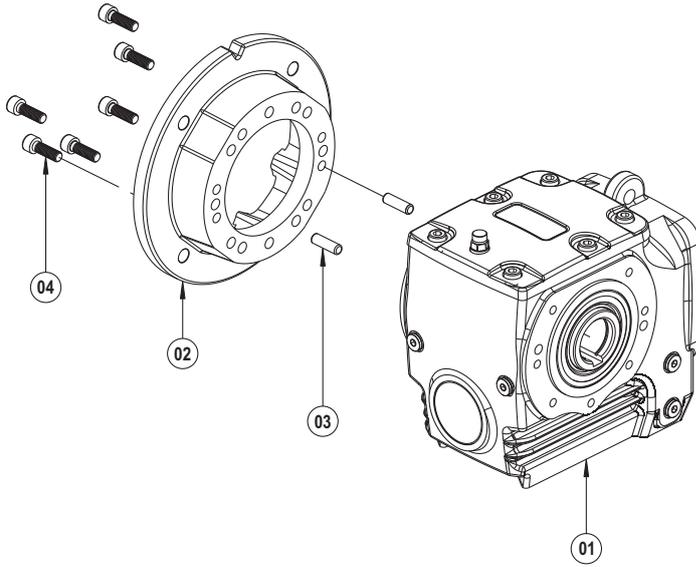
ALLGEMEINE STUCKLISTE

PSH 2050 ... 2125**Aksesuarlar / Accessories / Zubehör**

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.

**B5 Çıkış Flanşı**

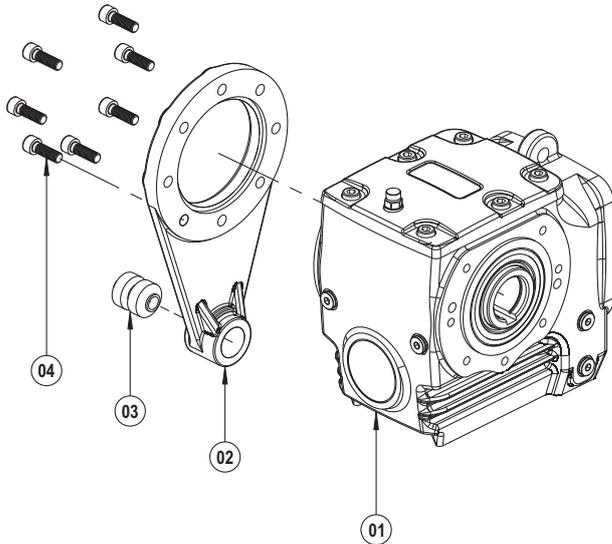
- 01 PSH Kit
- 02 B5 Çıkış Flanşı
- 03 Pim
- 04 Cıvata (DIN 912)

B5 Output Flange

- 01 PSH Kit
- 02 B5 Output Flange
- 03 Pin
- 04 Bolt (DIN 912)

B5 Abtriebsflansch

- 01 PSH Bausatz
- 02 B5 Abtriebsflansch
- 03 Bolzen
- 04 Verschrauben (DIN 912)

**Tork Kolu (TK)**

- 01 PSH Kit
- 02 Tork Kolu
- 03 Lastik Takoz
- 04 Cıvata (DIN 912)

Torque Arm (TK)

- 01 PSH Kit
- 02 Torque Arm
- 03 Rubber Buffer
- 04 Bolt (DIN 912)

Drehmomentstütze (TK)

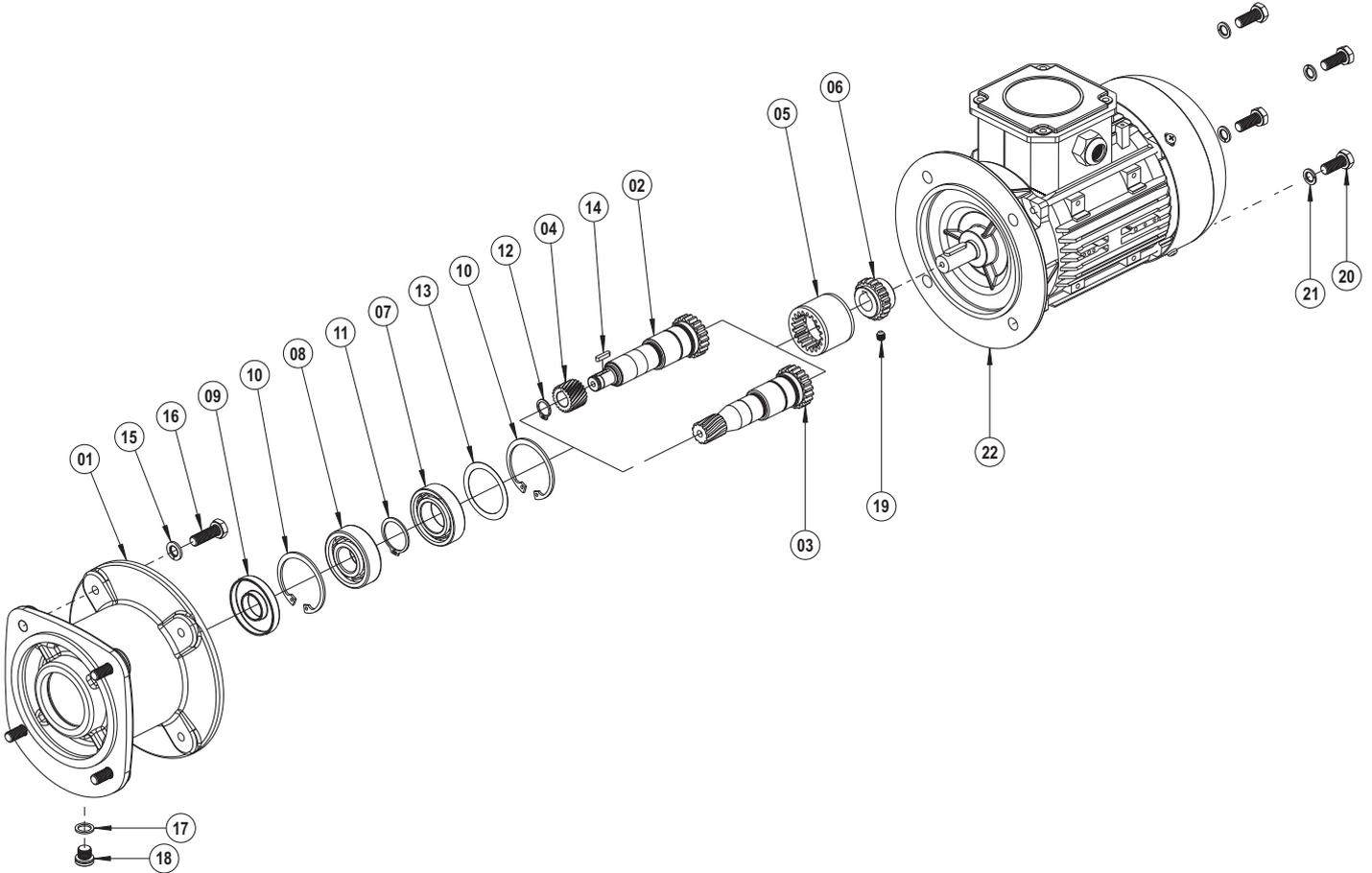
- 01 PSH Bausatz
- 02 Drehmomentstütze
- 03 Gummipuffer
- 04 Verschrauben (DIN 912)

IEC 63 ... 112

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



- 01 Gövde
- 02 IEC Mili (Kamalı)
- 03 IEC Mili (Dişlili)
- 04 Z1 Dişlisi (Kamalı)
- 05 Plastik Kaplin
- 06 Metal Kaplin
- 07 Rulman
- 08 Rulman
- 09 Yağ Keçesi
- 10 Segman (DIN 472)
- 11 Segman (DIN 471)
- 12 Segman (DIN 471)
- 13 Layner (DIN 988)
- 14 Kama (DIN 6885)
- 15 Rondela (DIN 127)
- 16 Cıvata (DIN 933)
- 17 Rondela (DIN 7603)
- 18 Yağ Tapası (DIN 908)
- 19 Cıvata (DIN 916)
- 20 Cıvata (DIN 933)
- 21 Rondela (DIN 127)
- 22 Motor

- 01 Gear Case
- 02 IEC Shaft (With Key)
- 03 IEC Shaft (With Gear)
- 04 Driving Pinion (With Key)
- 05 Plastic Coupling
- 06 Metal Coupling
- 07 Bearing
- 08 Bearing
- 09 Oil Seal
- 10 Circlip (DIN 472)
- 11 Circlip (DIN 471)
- 12 Circlip (DIN 471)
- 13 Shim (DIN 988)
- 14 Key (DIN 6885)
- 15 Washer (DIN 127)
- 16 Bolt (DIN 933)
- 17 Washer (DIN 7603)
- 18 Oil Plug (DIN 908)
- 19 Bolt (DIN 916)
- 20 Bolt (DIN 933)
- 21 Washer (DIN 127)
- 22 Motor

- 01 Gehäuse
- 02 IEC Welle (mit Passfeder)
- 03 IEC Welle (mit Zahnrad)
- 04 Antriebsritzel (Mit Passfeder)
- 05 Kupplung (Plastik)
- 06 Kupplung (Metall)
- 07 Kugellager
- 08 Kugellager
- 09 Öldichtung
- 10 Sicherungsring (DIN 472)
- 11 Sicherungsring (DIN 471)
- 12 Sicherungsring (DIN 471)
- 13 Passscheibe (DIN 988)
- 14 Passfeder (DIN 6885)
- 15 Distanzscheibe (DIN 127)
- 16 Verschrauben (DIN 933)
- 17 Distanzscheibe (DIN 7603)
- 18 Ölstöpsel (DIN 908)
- 19 Verschrauben (DIN 916)
- 20 Verschrauben (DIN 933)
- 21 Distanzscheibe (DIN 127)
- 22 Motor

TR

GENEL PARÇA LİSTESİ

EN

GENERAL PART LIST

DE

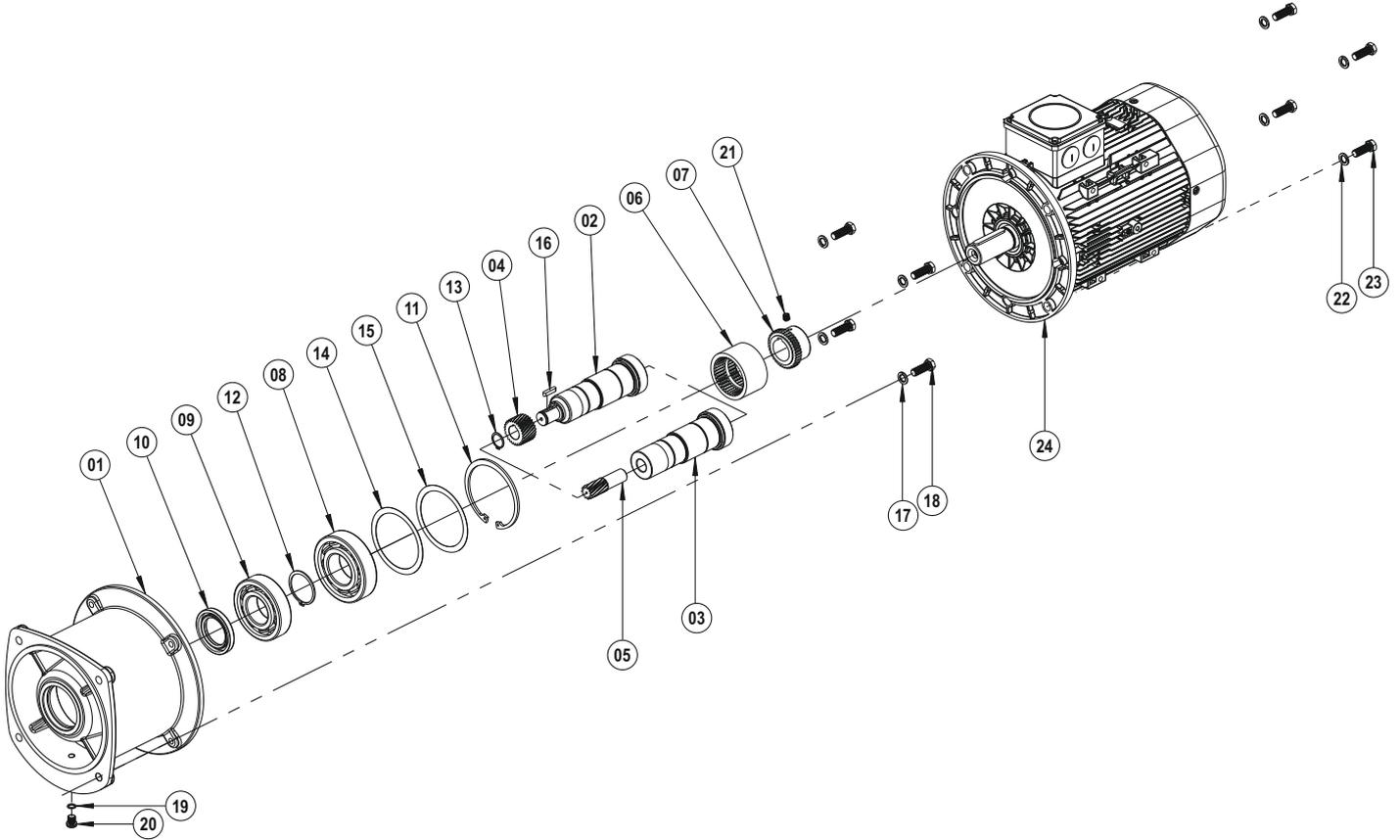
ALLGEMEINE STUCKLISTE

IEC 132 ... 160

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



- 01 Gövde
- 02 IEC Mili (Kamalı)
- 03 IEC Mili
- 04 Z1 Dişlisi (Kamalı)
- 05 Z1 Dişlisi
- 06 Plastik Kaplin
- 07 Metal Kaplin
- 08 Rulman
- 09 Rulman
- 10 Yağ Keçesi
- 11 Segman (DIN 472)
- 12 Segman (DIN 471)
- 13 Segman (DIN 471)
- 14 Layner (DIN 988)
- 15 Layner (DIN 988)
- 16 Kama (DIN 6885)
- 17 Rondela (DIN 127)
- 18 Cıvata (DIN 933)
- 19 Rondela (DIN 7603)
- 20 Yağ Tapası (DIN 908)
- 21 Cıvata (DIN 916)
- 22 Rondela (DIN 127)
- 23 Cıvata (DIN 933)
- 24 Motor

- 01 Gear Case
- 02 IEC Shaft (With Key)
- 03 IEC Shaft
- 04 Driving Pinion (With Key)
- 05 Driving Pinion
- 06 Plastic Coupling
- 07 Metal Coupling
- 08 Bearing
- 09 Bearing
- 10 Oil Seal
- 11 Circlip (DIN 472)
- 12 Circlip (DIN 471)
- 13 Circlip (DIN 471)
- 14 Shim (DIN 988)
- 15 Shim (DIN 988)
- 16 Key (DIN 6885)
- 17 Washer (DIN 127)
- 18 Bolt (DIN 933)
- 19 Washer (DIN 7603)
- 20 Oil Plug (DIN 908)
- 21 Bolt (DIN 916)
- 22 Washer (DIN 127)
- 23 Bolt (DIN 933)
- 24 Motor

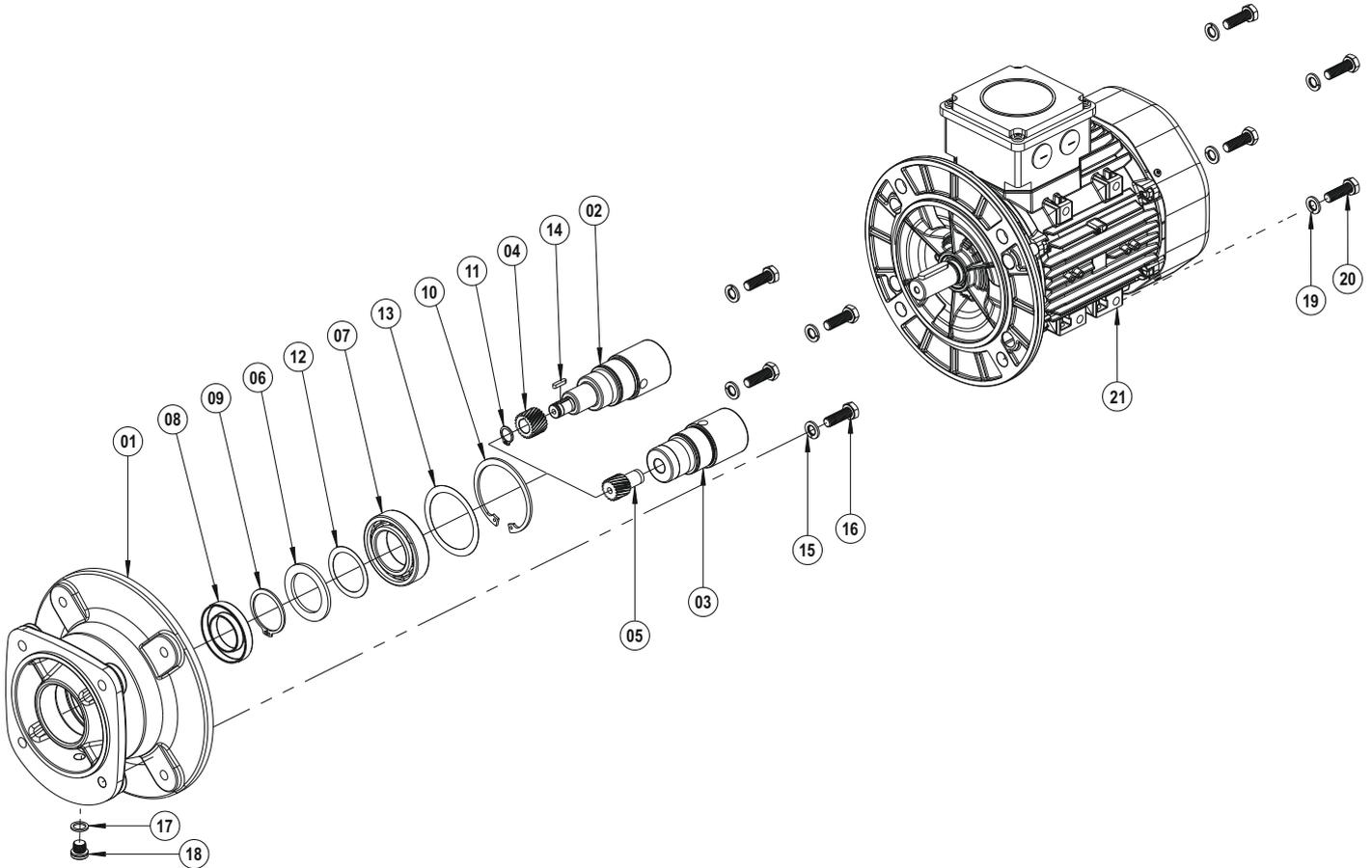
- 01 Gehäuse
- 02 IEC Welle (mit Passfeder)
- 03 IEC Welle
- 04 Antriebsritzel (Mit Passfeder)
- 05 Antriebsritzel
- 06 Kupplung (Plastik)
- 07 Kupplung (Metall)
- 08 Kugellager
- 09 Kugellager
- 10 Öldichtung
- 11 Sicherungsring (DIN 472)
- 12 Sicherungsring (DIN 471)
- 13 Sicherungsring (DIN 471)
- 14 Passscheibe (DIN 988)
- 15 Passscheibe (DIN 988)
- 16 Passfeder (DIN 6885)
- 17 Distanzscheibe (DIN 127)
- 18 Verschrauben (DIN 933)
- 19 Distanzscheibe (DIN 7603)
- 20 Ölstopfel (DIN 908)
- 21 Verschrauben (DIN 933)
- 22 Distanzscheibe (DIN 127)
- 23 Verschrauben (DIN 933)
- 24 Motor

PAM B5 / 63 ... 315

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



- 01 Gövde
- 02 PAM Mili (Kamalı)
- 03 PAM Mili
- 04 Z1 Dişlisi (Kamalı)
- 05 Z1 Dişlisi
- 06 Rondela
- 07 Rulman
- 08 Yağ Keçesi
- 09 Segman (DIN 471)
- 10 Segman (DIN 472)
- 11 Segman (DIN 471)
- 12 Layner (DIN 988)
- 13 Layner (DIN 988)
- 14 Kama (DIN 6885)
- 15 Rondela (DIN 127)
- 16 Cıvata (DIN 933)
- 17 Rondela (DIN 7603)
- 18 Yağ Tıpası (DIN 908)
- 19 Rondela (DIN 127)
- 20 Cıvata (DIN 933)
- 21 Motor

- 01 Gear Case
- 02 PAM Shaft (With Key)
- 03 PAM Shaft
- 04 Driving Pinion (With Key)
- 05 Driving Pinion
- 06 Washer
- 07 Bearing
- 08 Oil Seal
- 09 Circlip (DIN 471)
- 10 Circlip (DIN 472)
- 11 Circlip (DIN 471)
- 12 Shim (DIN 988)
- 13 Shim (DIN 988)
- 14 Key (DIN 6885)
- 15 Washer (DIN 127)
- 16 Bolt (DIN 933)
- 17 Washer (DIN 7603)
- 18 Oil Plug (DIN 908)
- 19 Washer (DIN 127)
- 20 Bolt (DIN 933)
- 21 Motor

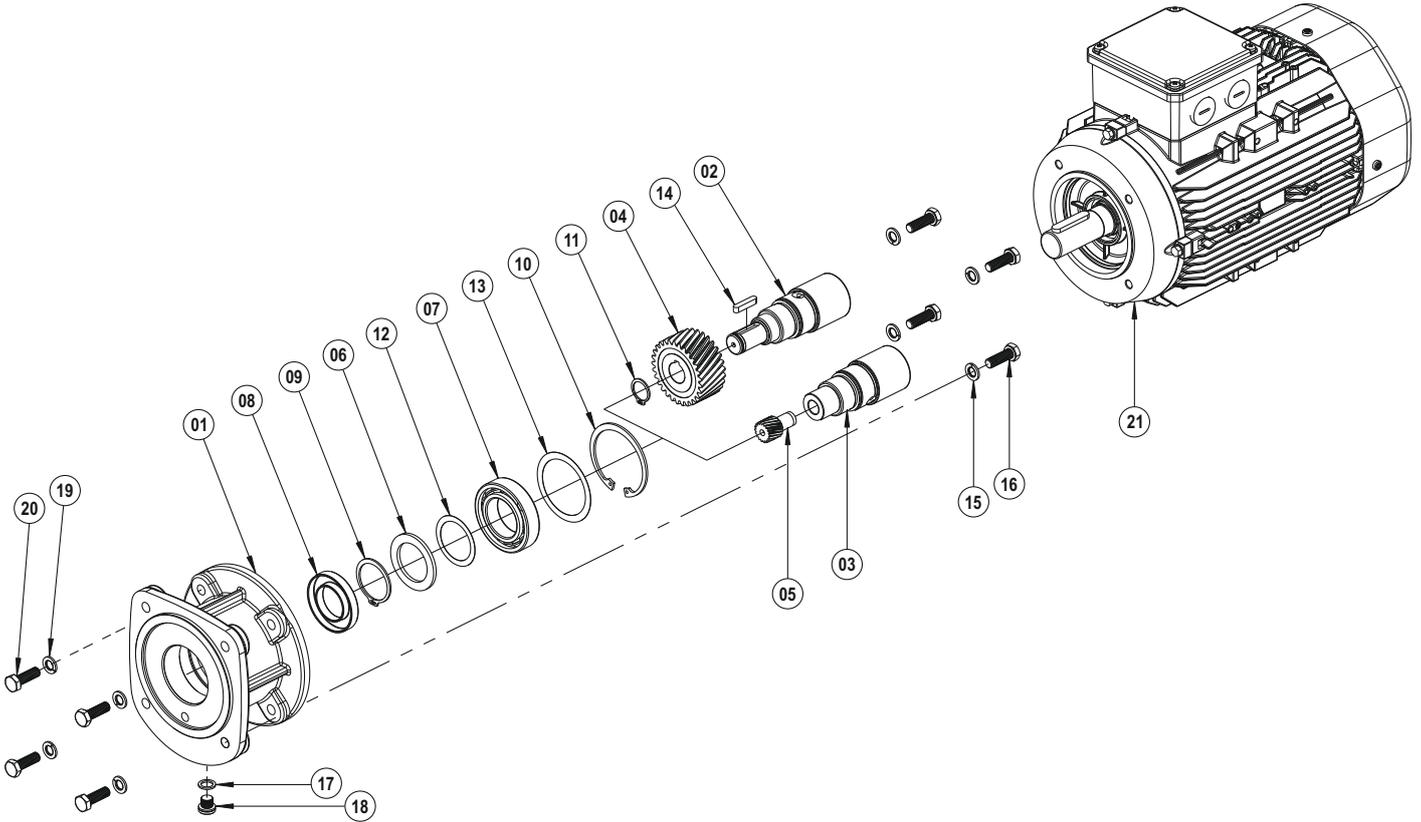
- 01 Gehäuse
- 02 PAM Welle (mit Passfeder)
- 03 PAM Welle
- 04 Antriebsritzel (Mit Passfeder)
- 05 Antriebsritzel
- 06 Distanzscheibe
- 07 Kugellager
- 08 Öldichtung
- 09 Sicherungsring (DIN 471)
- 10 Sicherungsring (DIN 472)
- 11 Sicherungsring (DIN 471)
- 12 Passscheibe (DIN 988)
- 13 Passscheibe (DIN 988)
- 14 Passfeder (DIN 6885)
- 15 Distanzscheibe (DIN 127)
- 16 Verschrauben (DIN 933)
- 17 Distanzscheibe (DIN 7603)
- 18 Ölstöpsel (DIN 908)
- 19 Distanzscheibe (DIN 127)
- 20 Verschrauben (DIN 933)
- 21 Motor

PAM B14 / 63 ... 132

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



- 01 Gövde
- 02 PAM Mili (Kamalı)
- 03 PAM Mili
- 04 Z1 Dişlisi (Kamalı)
- 05 Z1 Dişlisi
- 06 Rondela
- 07 Rulman
- 08 Yağ Keçesi
- 09 Segman (DIN 471)
- 10 Segman (DIN 472)
- 11 Segman (DIN 471)
- 12 Layner (DIN 988)
- 13 Layner (DIN 988)
- 14 Kama (DIN 6885)
- 15 Rondela (DIN 127)
- 16 Cıvata (DIN 933)
- 17 Rondela (DIN 7603)
- 18 Yağ Tıpası (DIN 908)
- 19 Rondela (DIN 127)
- 20 Cıvata (DIN 933)
- 21 Motor

- 01 Gear Case
- 02 PAM Shaft (With Key)
- 03 PAM Shaft
- 04 Driving Pinion (With Key)
- 05 Driving Pinion
- 06 Washer
- 07 Bearing
- 08 Oil Seal
- 09 Circlip (DIN 471)
- 10 Circlip (DIN 472)
- 11 Circlip (DIN 471)
- 12 Shim (DIN 988)
- 13 Shim (DIN 988)
- 14 Key (DIN 6885)
- 15 Washer (DIN 127)
- 16 Bolt (DIN 933)
- 17 Washer (DIN 7603)
- 18 Oil Plug (DIN 908)
- 19 Washer (DIN 127)
- 20 Bolt (DIN 933)
- 21 Motor

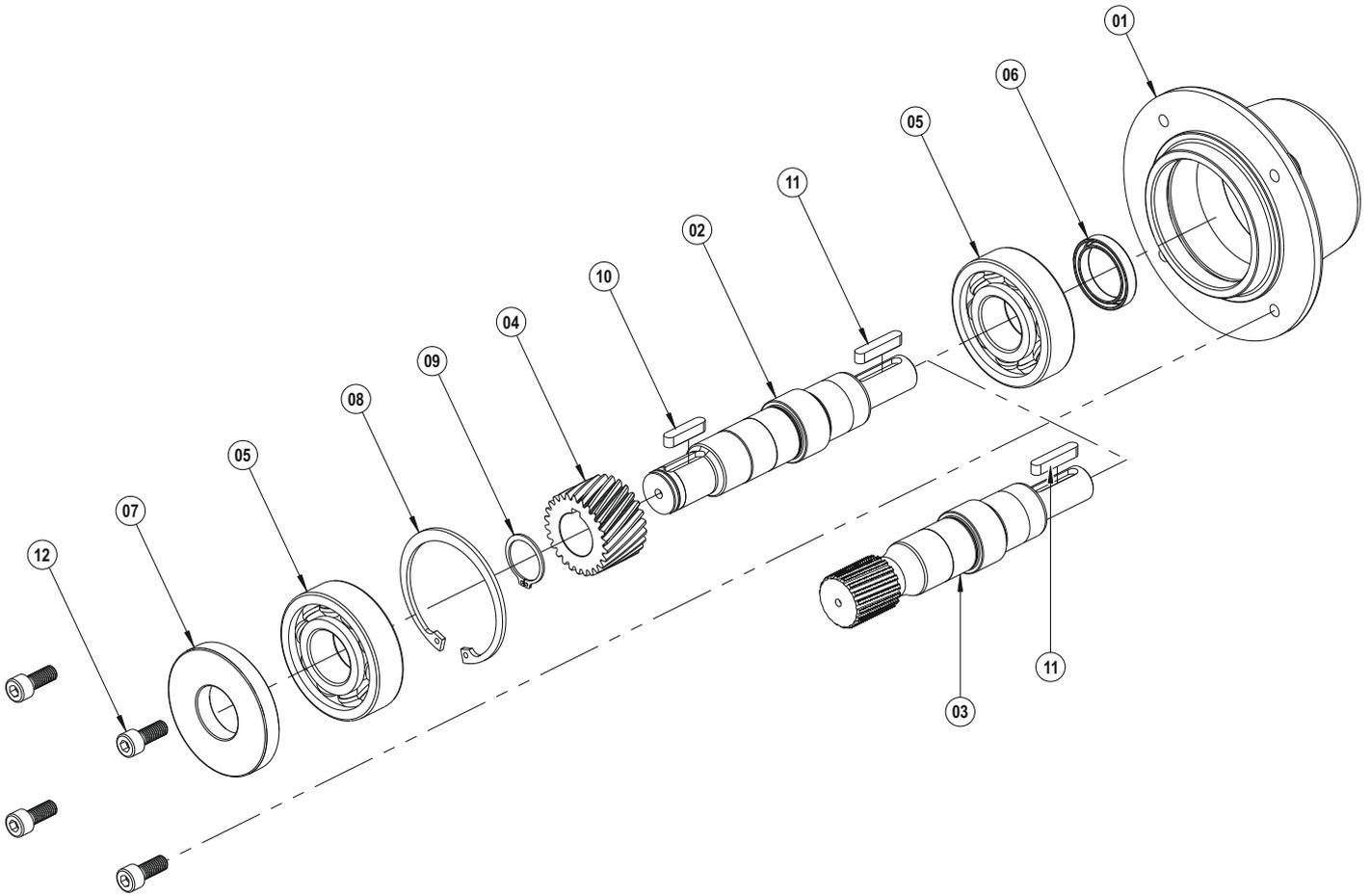
- 01 Gehäuse
- 02 PAM Welle (mit Passfeder)
- 03 PAM Welle
- 04 Antriebsritzel (Mit Passfeder)
- 05 Antriebsritzel
- 06 Distanzscheibe
- 07 Kugellager
- 08 Öldichtung
- 09 Sicherungsring (DIN 471)
- 10 Sicherungsring (DIN 472)
- 11 Sicherungsring (DIN 471)
- 12 Passscheibe (DIN 988)
- 13 Passscheibe (DIN 988)
- 14 Passfeder (DIN 6885)
- 15 Distanzscheibe (DIN 127)
- 16 Verschrauben (DIN 933)
- 17 Distanzscheibe (DIN 7603)
- 18 Ölstöpsel (DIN 908)
- 19 Distanzscheibe (DIN 127)
- 20 Verschrauben (DIN 933)
- 21 Motor

W 109

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

The exploded image may vary depending on the body and motor size, please contact us for the detailed exploded image.

Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



- 01 Gövde
- 02 W Mili (Kamalı)
- 03 W Mili (Dişlili)
- 04 Z1 Dişlisi
- 05 Rulman
- 06 Yağ Keçesi
- 07 Yağ Keçesi
- 08 Segman (DIN 472)
- 09 Segman (DIN 471)
- 10 Kama (DIN 6885)
- 11 Kama (DIN 6885)
- 12 Cıvata (DIN 912)

- 01 Gear Case
- 02 W Shaft (With Key)
- 03 W Shaft (With Gear)
- 04 Driving Pinion
- 05 Bearing
- 06 Oil Seal
- 07 Oil Seal
- 08 Circlip (DIN 472)
- 09 Circlip (DIN 471)
- 10 Key (DIN 6885)
- 11 Key (DIN 6885)
- 12 Bolt (DIN 912)

- 01 Gehäuse
- 02 PAM Welle (mit Passfeder)
- 03 PAM Welle (mit Zahnrad)
- 04 Antriebsritzel
- 05 Kugellager
- 06 Öldichtung
- 07 Öldichtung
- 08 Sicherungsring (DIN 472)
- 09 Sicherungsring (DIN 471)
- 10 Passfeder (DIN 6885)
- 11 Passfeder (DIN 6885)
- 12 Verschrauben (DIN 912)

TR

GENEL PARÇA LİSTESİ

EN

GENERAL PART LIST

DE

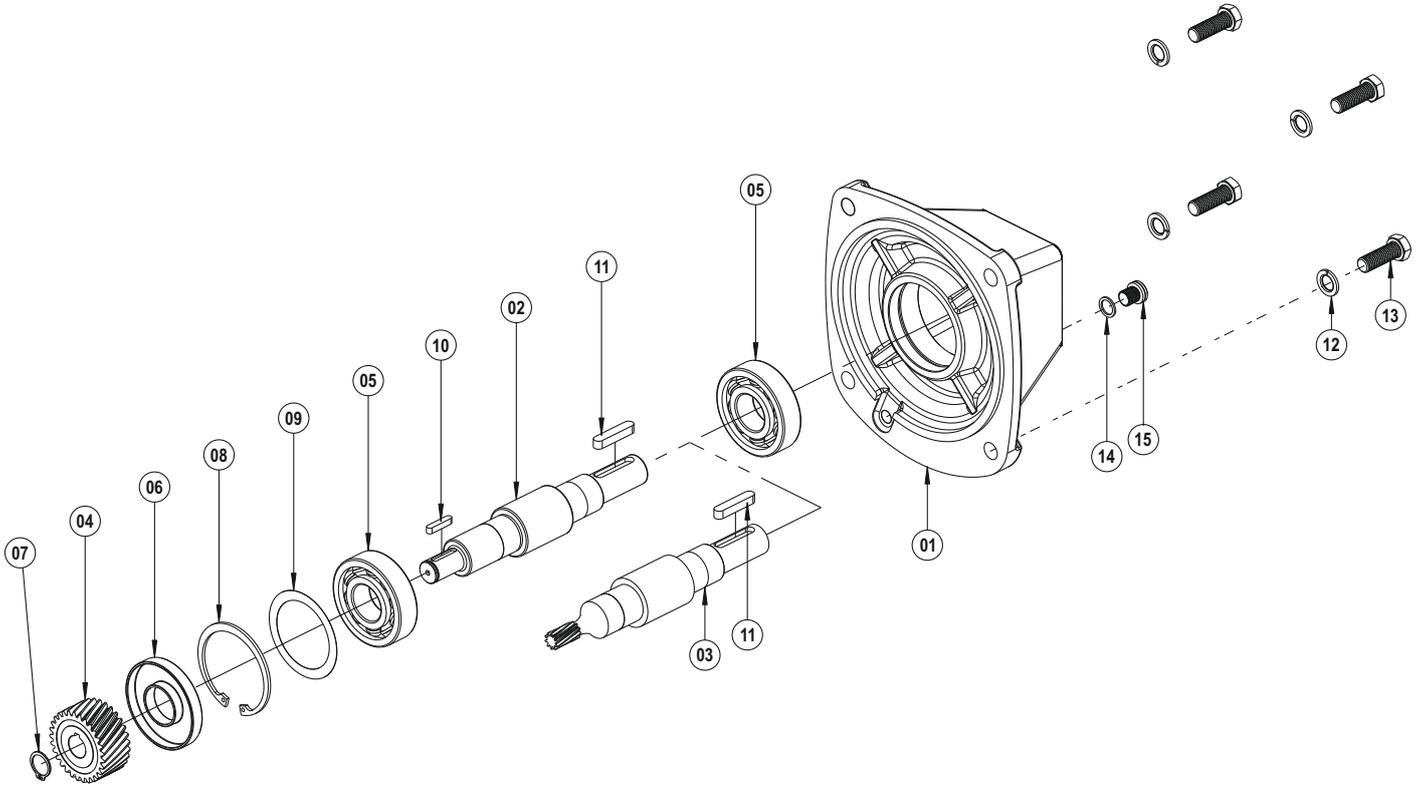
ALLGEMEINE STUCKLISTE

W 122 - 172 - 213

Patlatma resmi gövde boyutu ve motor büyüklüğüne göre değişiklik gösterebilir, ayrıntılı patlatma resmi için firmamız ile iletişime geçiniz.

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Die Explosionszeichnung kann je nach Gehäusegröße und Motorgröße variieren. Für die detaillierte Explosionszeichnung wenden Sie sich bitte an unser Unternehmen.



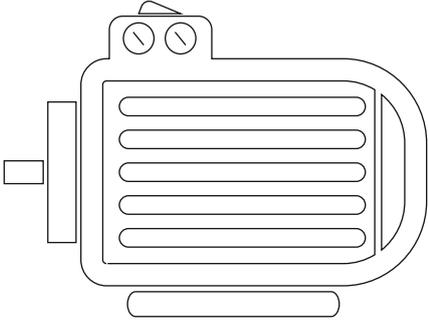
- 01 Gövde
- 02 W Mili (Kamalı)
- 03 W Mili (Dişli)
- 04 Z1 Dişlisi (Kamalı)
- 05 Rulman
- 06 Yağ Keçesi
- 07 Segman (DIN 471)
- 08 Segman (DIN 472)
- 09 Layner (DIN 988)
- 10 Kama (DIN 6885)
- 11 Kama (DIN 6885)
- 12 Rondela (DIN 127)
- 13 Cıvata (DIN 933)
- 14 Rondela (DIN 7603)
- 15 Yağ Tapası (DIN 908)

- 01 Gear Case
- 02 W Shaft (With Key)
- 03 W Shaft (With Gear)
- 04 Driving Pinion (With Key)
- 05 Bearing
- 06 Oil Seal
- 07 Circlip (DIN 471)
- 08 Circlip (DIN 472)
- 09 Shim (DIN 988)
- 10 Key (DIN 6885)
- 11 Key (DIN 6885)
- 12 Washer (DIN 127)
- 13 Bolt (DIN 933)
- 14 Washer (DIN 7603)
- 15 Oil Plug (DIN 908)

- 01 Gehäuse
- 02 W Welle (mit Passfeder)
- 03 W Welle (mit Zahnrad)
- 04 Antriebsritzel (Mit Passfeder)
- 05 Kugellager
- 06 Öldichtung
- 07 Sicherungsring (DIN 471)
- 08 Sicherungsring (DIN 472)
- 09 Passscheibe (DIN 988)
- 10 Passfeder (DIN 6885)
- 11 Passfeder (DIN 6885)
- 12 Distanzscheibe (DIN 127)
- 13 Verschrauben (DIN 933)
- 14 Distanzscheibe (DIN 7603)
- 15 Ölstopfen (DIN 908)

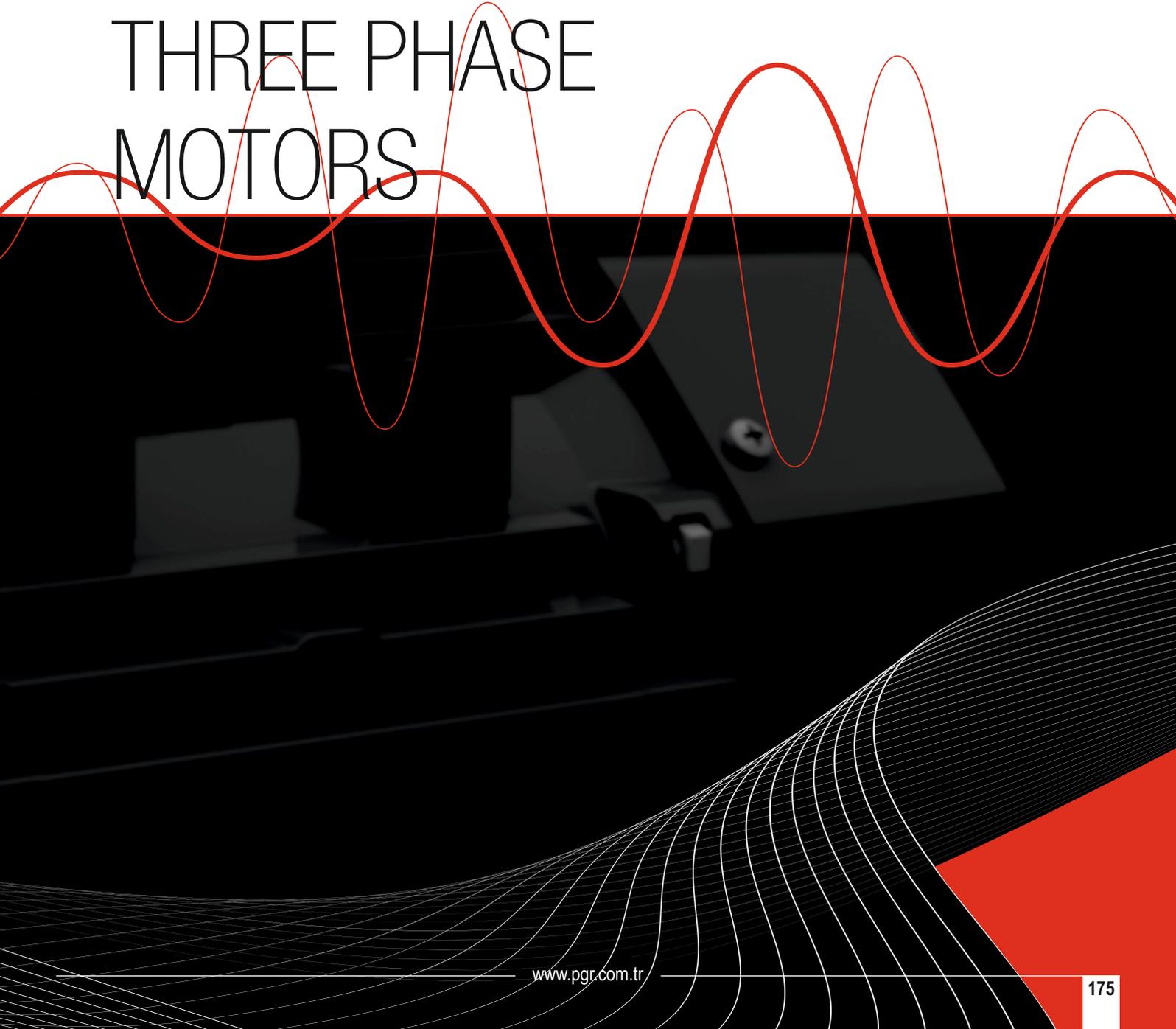


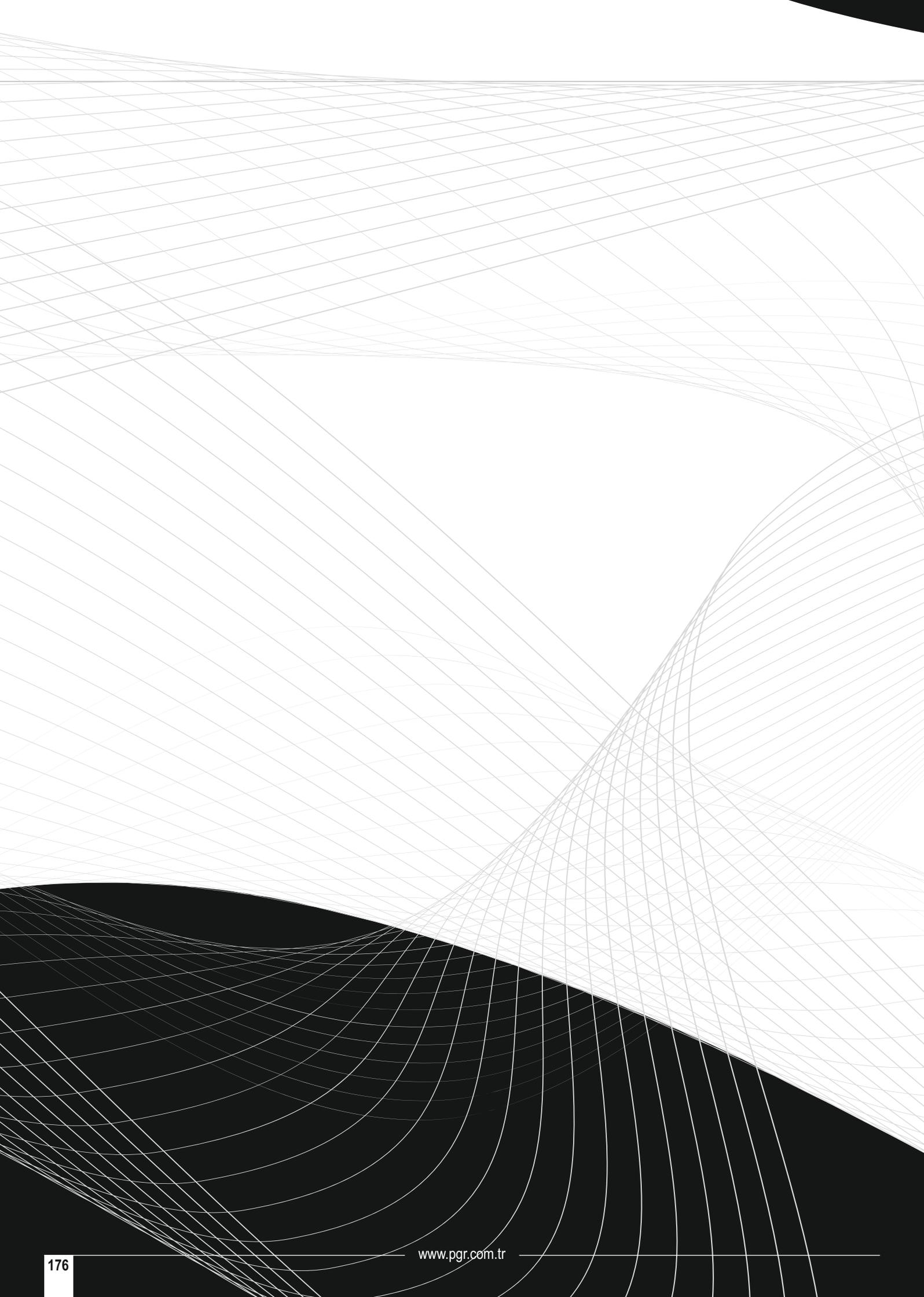
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ÜÇ FAZLI MOTORLAR

THREE PHASE
MOTORS





IE3

ELEKTRİKSEL ÖZELLİKLER - 50 Hz / ELECTRICAL CHARACTERISTICS AT 50 Hz

| MOTOR TİPİ MOTOR TYPE | GÖVDE TIPI HOUSING TYPE | NOMINAL RATED VALUES | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J kgm ² | Ağırlık Weight (B3) kg | Ses Basınç Seviyesi Sound Pressure Level dBA ** | |
|--------------------------------------|----------------------------------|-------------------------|-------|-----------------------|----------------------|------------------------|--|------|---------------------------------|-----|---|-----------------------|------|------|-------|-----------------------|---------------------------------|---|----|
| | | GÜÇ POWER | | DEVİR SPEED rpm | AKIM CURRENT A | MOMENT TORQUE Nm | AKIM CURRENT I_A / I_N | | MOMENT TORQUE M_A / M_N | | | η% | | | | | | | |
| | | kW | HP | | | | λ | Δ | λ | Δ | | 4/4 | 3/4 | 2/4 | | | | | |
| 2 kutup 3000 d/dak / 2 pole 3000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q3H80M2C | Aluminium | 0,75 | 1,0 | 2890 | 1,6 | 2,5 | 8,3 | - | 3,7 | - | 4,2 | 80,7 | 79,8 | 76,1 | 0,85 | 0,0014 | 13 | 57 |
| | Q3H80M2D | Aluminium | 1,1 | 1,5 | 2890 | 2,3 | 3,6 | 9,1 | - | 3,9 | - | 4,3 | 82,7 | 82,2 | 79,3 | 0,85 | 0,0017 | 13 | 57 |
| | Q3H90L2C | Aluminium | 1,5 | 2,0 | 2910 | 3,3 | 4,9 | 10,9 | - | 5,2 | - | 5,4 | 84,2 | 83,3 | 80,5 | 0,80 | 0,0023 | 16 | 62 |
| | Q3H90L2D | Aluminium | 2,2 | 3,0 | 2917 | 4,3 | 7,2 | 9,2 | - | 3,1 | - | 4,9 | 85,9 | 86,4 | 85,2 | 0,87 | 0,0028 | 19 | 62 |
| | Q3H100L2D | Aluminium | 3,0 | 4,0 | 2890 | 5,9 | 9,9 | 8,1 | - | 3,2 | - | 3,5 | 87,1 | 88,1 | 87,7 | 0,85 | 0,0031 | 25 | 66 |
| 400/690V | Q3H112M2C | Aluminium | 4,0 | 5,5 | 2936 | 7,5 | 13,0 | 3,6 | 10,9 | 1,6 | 4,8 | 5,7 | 88,1 | 88,1 | 85,8 | 0,85 | 0,0064 | 29 | 68 |
| | Q3H132S2C | Aluminium | 5,5 | 7,5 | 2918 | 10,5 | 18,0 | 3,6 | 10,7 | 1,2 | 3,7 | 5,1 | 89,2 | 89,0 | 87,2 | 0,86 | 0,0077 | 37 | 69 |
| | Q3H132S2D | Aluminium | 7,5 | 10,0 | 2918 | 13,9 | 24,5 | 3,6 | 10,8 | 1,4 | 4,3 | 5,4 | 90,1 | 90,3 | 89,1 | 0,88 | 0,0093 | 43 | 69 |
| | Q3H160M2C | Aluminium | 11,0 | 15,0 | 2925 | 20,7 | 36,0 | 3,5 | 10,5 | 1,3 | 3,9 | 5,2 | 91,2 | 91,4 | 90,6 | 0,85 | 0,0352 | 65 | 70 |
| | Q3H160M2DE | Aluminium | 15,0 | 20,0 | 2930 | 27,9 | 48,9 | 3,5 | 10,5 | 1,2 | 3,7 | 5,2 | 91,9 | 91,3 | 89,8 | 0,84 | 0,0402 | 79 | 71 |
| | Q3H160L2C | Aluminium | 18,5 | 25,0 | 2960 | 32,8 | 59,9 | 3,6 | 10,8 | 1,1 | 3,4 | 4,8 | 92,4 | 92,5 | 91,6 | 0,89 | 0,0481 | 96 | 70 |
| | Q3H180M2A | Aluminium | 22,0 | 30,0 | 2961 | 39,1 | 70,7 | 3,5 | 10,5 | 1,1 | 3,2 | 5,2 | 92,7 | 92,5 | 91,3 | 0,87 | 0,0587 | 114 | 77 |
| | Q3H200L2C | Aluminium | 30,0 | 40,0 | 2955 | 50,3 | 97,0 | 3,5 | 10,5 | 1,0 | 3,0 | 4,5 | 93,3 | 93,2 | 92,2 | 0,92 | 0,1028 | 153 | 78 |
| | Q3H200L2D | Aluminium | 37,0 | 50,0 | 2960 | 61,9 | 119,4 | 3,3 | 9,9 | 1,0 | 2,9 | 4,4 | 93,7 | 94,4 | 94,0 | 0,92 | 0,1138 | 166 | 78 |
| | Q3E225M2B | Aluminium | 45,0 | 60,0 | 2965 | 77,1 | 144,9 | 2,8 | 8,6 | 0,9 | 2,4 | 3,8 | 94,0 | 93,7 | 92,2 | 0,85 | 0,2350 | 249 | 80 |
| | Q3E250M2A | Aluminium | 55,0 | 75,0 | 2970 | 92,1 | 176,7 | 2,7 | 8 | 0,8 | 2,5 | 3,1 | 94,3 | 94,1 | 92,9 | 0,92 | 0,50903 | 279 | 81 |
| | Q3EP250M2C | Cast Iron | 55,0 | 75,0 | 2982 | 93,8 | 176,1 | 2,3 | 7,0 | 0,9 | 2,7 | 3,4 | 94,3 | 94,0 | 92,6 | 0,90 | 0,4870 | 488 | 81 |
| | Q3EP280M2C | Cast Iron | 75,0 | 100,0 | 2975 | 124,9 | 240,7 | 2,8 | 8,4 | 0,7 | 2,2 | 4,4 | 94,7 | 94,2 | 93,1 | 0,92 | 0,5400 | 585 | 82 |
| | Q3EP280M2D | Cast Iron | 90,0 | 125,0 | 2975 | 150,7 | 288,9 | 2,8 | 8,6 | 0,8 | 2,4 | 5,4 | 95,0 | 94,7 | 93,7 | 0,93 | 0,6450 | 596 | 82 |
| | Q3EP315S2C | Cast Iron | 110,0 | 127,0 | 2,983 | 187 | 358 | 2,4 | 7,2 | 0,6 | 1,7 | 2,6 | 95,2 | 95,2 | 94,0 | 0,89 | 2,19900 | 963 | 83 |
| | Q3EP315M2B | Cast Iron | 132,0 | 152,0 | 2,983 | 224 | 418 | 2,5 | 7,5 | 0,6 | 1,8 | 2,6 | 95,4 | 95,4 | 94,4 | 0,89 | 2,37790 | 1.007 | 83 |
| | Q3EP315L2A | Cast Iron | 160,0 | 184,0 | 2,983 | 271 | 513 | 2,5 | 7,5 | 0,6 | 1,8 | 2,6 | 95,6 | 95,6 | 94,4 | 0,89 | 2,62170 | 1.065 | 83 |
| | Q3EP315L2C | Cast Iron | 200,0 | 230,0 | 2,983 | 339 | 641 | 2,5 | 7,5 | 0,6 | 1,9 | 2,6 | 95,8 | 95,8 | 94,9 | 0,89 | 2,90860 | 1.180 | 83 |
| | Q3EP355M2C | Cast Iron | 250,0 | 280,0 | 2,983 | 419 | 800 | 2,4 | 7,3 | 0,6 | 1,7 | 2,5 | 95,8 | 95,8 | 94,7 | 0,90 | 3,81300 | 1.612 | 91 |
| | Q3EP355L2B | Cast Iron | 315,0 | 353,0 | 2,984 | 527 | 1.008 | 2,4 | 7,3 | 0,6 | 1,8 | 2,5 | 95,8 | 95,7 | 94,4 | 0,90 | 4,52000 | 1.771 | 91 |
| Q3EP355L2C | Cast Iron | 355,0 | 398,0 | 2,981 | 594 | 1.137 | 2,6 | 7,9 | 0,7 | 2,2 | 2,5 | 95,8 | 95,8 | 95,0 | 0,90 | 5,58000 | 2.002 | 91 | |
| 4 kutup 1500 d/dak / 4 pole 1500 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q3H80M4D | Aluminium | 0,75 | 1,0 | 1445 | 1,7 | 5,0 | 6,7 | - | 2,8 | - | 3,4 | 82,5 | 83,2 | 80,6 | 0,77 | 0,00261 | 13 | 52 |
| | Q3H90L4C | Aluminium | 1,1 | 1,5 | 1447 | 2,6 | 7,3 | 7,2 | - | 3,1 | - | 3,7 | 82,7 | 82,4 | 89,5 | 0,74 | 0,00328 | 15 | 54 |
| | Q3H90L4D | Aluminium | 1,5 | 2,0 | 1449 | 3,5 | 9,9 | 8,1 | - | 3,6 | - | 4,2 | 85,3 | 85,0 | 82,1 | 0,76 | 0,00526 | 20 | 53 |
| | Q3H100L4C | Aluminium | 2,2 | 3,0 | 1443 | 4,9 | 14,6 | 9,5 | - | 5,0 | - | 5,5 | 86,7 | 84,3 | 80,6 | 0,75 | 0,00690 | 25 | 55 |
| | Q3H100L4D | Aluminium | 3,0 | 4,0 | 1446 | 6,2 | 19,9 | 8,4 | - | 3,3 | - | 3,8 | 87,7 | 88,0 | 87,0 | 0,81 | 0,01059 | 31 | 56 |
| 400/690V | Q3H112M4D | Aluminium | 4,0 | 5,5 | 1452 | 8,2 | 26,5 | 3,0 | 9,1 | 1,1 | 3,3 | 4,1 | 88,6 | 88,8 | 87,3 | 0,80 | 0,01383 | 32 | 54 |
| | Q3H132S4B | Aluminium | 5,5 | 7,5 | 1467 | 10,6 | 35,8 | 2,8 | 8,5 | 0,7 | 2,0 | 3,8 | 89,6 | 89,1 | 87,6 | 0,84 | 0,03560 | 53 | 60 |
| | Q3H132M4D | Aluminium | 7,5 | 10,0 | 1467 | 15,2 | 48,8 | 2,7 | 8,2 | 0,8 | 2,3 | 3,8 | 90,4 | 90,7 | 89,6 | 0,80 | 0,04030 | 58 | 60 |
| | Q3H160M4C | Aluminium | 11,0 | 15,0 | 1470 | 21,0 | 71,3 | 2,7 | 8,0 | 0,7 | 2,1 | 3,8 | 91,4 | 91,5 | 90,4 | 0,83 | 0,05940 | 84 | 63 |
| | Q3H160L4B | Aluminium | 15,0 | 20,0 | 1477 | 30,9 | 97,1 | 2,6 | 7,8 | 0,9 | 2,8 | 3,3 | 92,1 | 92,0 | 90,8 | 0,76 | 0,09005 | 101 | 62 |
| | Q3H180M4B | Aluminium | 18,5 | 25,0 | 1474 | 39,5 | 119,9 | 2,5 | 7,4 | 0,8 | 2,3 | 3,5 | 92,6 | 91,9 | 91,2 | 0,74 | 0,11398 | 118 | 67 |
| | Q3H180L4B | Aluminium | 22,0 | 30,0 | 1485 | 41,6 | 141,7 | 3,1 | 9,2 | 0,9 | 2,8 | 3,6 | 93,0 | 93,1 | 92,3 | 0,83 | 0,18660 | 158 | 68 |
| | Q3H200L4D | Aluminium | 30,0 | 40,0 | 1475 | 54,8 | 195,5 | 2,7 | 8,0 | 0,8 | 2,5 | 3,1 | 93,6 | 94,6 | 94,8 | 0,85 | 0,22166 | 194 | 68 |
| | Q3E225M4B | Aluminium | 37,0 | 50,0 | 1485 | 68,6 | 237,9 | 2,9 | 8,8 | 1,0 | 3,1 | 3,7 | 93,9 | 93,8 | 92,6 | 0,84 | 0,36400 | 280 | 71 |
| | Q3E225M4C | Aluminium | 45,0 | 60,0 | 1485 | 83,1 | 289,4 | 3,0 | 9,2 | 1,0 | 3,1 | 3,7 | 94,2 | 94,0 | 93,3 | 0,83 | 0,43500 | 276 | 71 |
| | Q3E250M4B | Cast Iron | 55,0 | 75,0 | 1487 | 106,9 | 353,2 | 3,0 | 9,2 | 1,0 | 3,1 | 3,7 | 94,6 | 94,4 | 93,5 | 0,79 | 0,90782 | 506 | 72 |
| | Q3EP280M4C | Cast Iron | 75,0 | 100,0 | 1485 | 138,9 | 482,3 | 2,6 | 7,8 | 1,0 | 3,0 | 3,2 | 95,0 | 94,8 | 94,0 | 0,82 | 1,06100 | 638 | 73 |
| | Q3EP280M4D | Cast Iron | 90,0 | 125,0 | 1485 | 163,5 | 578,7 | 2,6 | 7,9 | 1,0 | 3,0 | 3,2 | 95,2 | 95,0 | 93,9 | 0,86 | 1,14760 | 653 | 73 |
| | Q3EP315S4C | Cast Iron | 110,0 | 127,0 | 1,489 | 194 | 705 | 2,5 | 7,5 | 0,7 | 2,0 | 2,5 | 95,4 | 95,4 | 94,7 | 0,86 | 3,46500 | 867 | 70 |
| | Q3EP315M4B | Cast Iron | 132,0 | 152,0 | 1,489 | 232 | 846 | 2,5 | 7,6 | 0,7 | 2,1 | 2,5 | 95,6 | 95,6 | 95,0 | 0,86 | 3,96600 | 993 | 70 |
| | Q3EP315L4A | Cast Iron | 160,0 | 184,0 | 1,489 | 274 | 1.026 | 2,5 | 7,6 | 0,7 | 2,2 | 2,5 | 95,8 | 95,8 | 95,4 | 0,88 | 4,88320 | 1.165 | 70 |
| | Q3EP315L4C | Cast Iron | 200,0 | 230,0 | 1,489 | 346 | 1.282 | 2,7 | 8,2 | 0,7 | 2,2 | 2,5 | 96,0 | 96,0 | 95,5 | 0,87 | 5,23440 | 1.223 | 70 |
| | Q3EP355M4C | Cast Iron | 250,0 | 280,0 | 1,491 | 422 | 1.601 | 2,5 | 7,5 | 0,6 | 1,9 | 2,4 | 96,0 | 96,0 | 95,5 | 0,89 | 9,30600 | 1.692 | 82 |
| | Q3EP355L4B | Cast Iron | 315,0 | 353,0 | 1,491 | 532 | 2.017 | 2,5 | 7,5 | 0,6 | 1,9 | 2,4 | 96,0 | 96,0 | 95,5 | 0,89 | 10,06700 | 1.879 | 82 |
| | Q3EP355L4C | Cast Iron | 355,0 | 398,0 | 1,491 | 600 | 2.273 | 2,5 | 7,5 | 0,7 | 2,0 | 2,3 | 96,0 | 96,0 | 95,5 | 0,89 | 11,90000 | 1.953 | 82 |

* IEC 60034-2-1'e göre / According to IEC 60034-2-1

** Ses Basınç Seviyeleri motordan 1m uzaktan ölçülmüştür. / The sound pressure measurements are taken 1m away from the motor

*** Tolerans +3 dBA / Tolerance +3 dBA

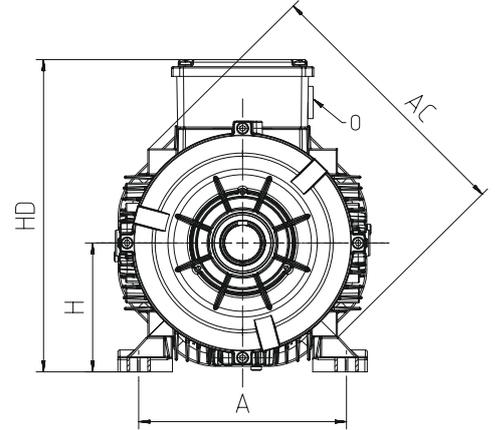
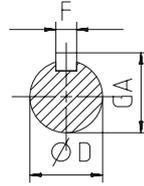
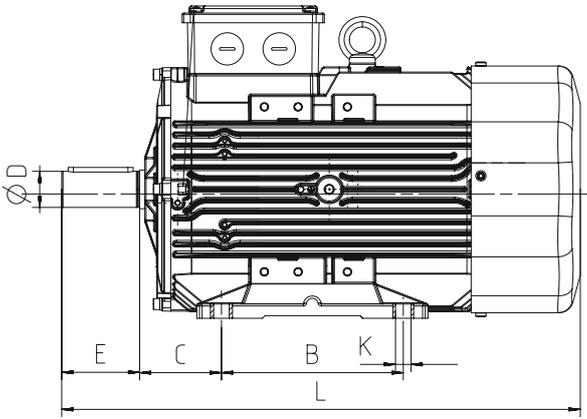
| MOTOR TİPİ MOTOR TYPE | GÖVDE TİPİ HOUSING TYPE | NOMİNAL RATED VALUES | | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J | Ağırlık Weight (B3) | Ses Basınç Seviyesi Sound Pressure Level dBA ** |
|--------------------------------------|----------------------------------|-------------------------|------|----------------|-----------------|------------------|-----------------|--|------------------|-----|-----|---|-----------------------|------|------|-------|---------|---------------------------|---|
| | | GÜÇ POWER | | DEVİR SPEED | AKIM CURRENT | MOMENT TORQUE | AKIM CURRENT | | MOMENT TORQUE | | η% | | | | | | | | |
| | | kW | HP | | | | λ | Δ | λ | Δ | 4/4 | | 3/4 | 2/4 | | | | | |
| 6 kutup 1000 d/dak / 6 pole 1000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q3H90L6C | Aluminium | 0,75 | 1,0 | 950 | 2,1 | 7,6 | 4,9 | - | 2,5 | - | 3,0 | 78,9 | 78,4 | 74,9 | 0,67 | 0,00460 | 18 | 53 |
| | Q3H90L6D | Aluminium | 1,1 | 1,5 | 950 | 3,0 | 11,1 | 4,5 | - | 2,6 | - | 2,9 | 81,0 | 80,6 | 78,3 | 0,67 | 0,00528 | 20 | 53 |
| | Q3H100L6D | Aluminium | 1,5 | 2,0 | 960 | 4,1 | 14,9 | 4,8 | - | 2,6 | - | 3,0 | 82,5 | 81,7 | 78,2 | 0,65 | 0,01059 | 26 | 55 |
| | Q3H112M6D | Aluminium | 2,2 | 3,0 | 957 | 5,2 | 22,0 | 4,9 | - | 2,7 | - | 3,0 | 84,3 | 84,6 | 83,7 | 0,71 | 0,01383 | 32 | 57 |
| 400/690V | Q3H132S6A | Aluminium | 3,0 | 4,0 | 978 | 7,3 | 29,3 | 1,9 | 5,7 | 0,6 | 2,0 | 2,5 | 85,6 | 85,2 | 82,8 | 0,68 | 0,03560 | 53 | 61 |
| | Q3H132M6A | Aluminium | 4,0 | 5,5 | 975 | 9,1 | 39,2 | 2,0 | 6,0 | 0,7 | 2,2 | 2,6 | 86,8 | 85,7 | 82,8 | 0,72 | 0,04030 | 58 | 60 |
| | Q3H132M6B | Aluminium | 5,5 | 7,5 | 971 | 12,0 | 54,1 | 2,1 | 6,3 | 0,7 | 2,1 | 2,6 | 88,0 | 87,6 | 85,3 | 0,75 | 0,05940 | 82 | 60 |
| | Q3H160M6C | Aluminium | 7,5 | 10,0 | 976 | 16,5 | 73,4 | 2,0 | 6,0 | 0,7 | 2,2 | 3,0 | 89,1 | 89,0 | 88,0 | 0,73 | 0,07540 | 88 | 62 |
| | Q3H160L6D | Aluminium | 11,0 | 15,0 | 974 | 24,2 | 107,8 | 2,1 | 6,3 | 0,7 | 2,2 | 3,0 | 90,3 | 90,1 | 89,3 | 0,73 | 0,09000 | 101 | 62 |
| | Q3H180L6B | Aluminium | 15,0 | 20,0 | 980 | 32,2 | 146,2 | 2,2 | 6,6 | 0,7 | 2,1 | 2,9 | 91,2 | 90,9 | 88,7 | 0,75 | 0,18660 | 155 | 68 |
| | Q3H200L6C | Aluminium | 18,5 | 25,0 | 981 | 40,3 | 180,1 | 2,3 | 6,9 | 0,6 | 1,9 | 2,7 | 91,7 | 91,6 | 91,3 | 0,72 | 0,23286 | 194 | 69 |
| | Q3H200L6D | Aluminium | 22,0 | 30,0 | 982 | 50,5 | 213,9 | 2,9 | 5,0 | 0,6 | 1,9 | 2,2 | 92,2 | 92,2 | 91,6 | 0,69 | 0,22166 | 193 | 69 |
| | Q3E225M6C | Aluminium | 30,0 | 40,0 | 975 | 59,1 | 293,8 | 1,9 | 6,1 | 0,6 | 1,8 | 2,5 | 92,9 | 92,8 | 91,8 | 0,80 | 0,52900 | 238 | 71 |

* IEC 60034-2-1'e göre / According to IEC 60034-2-1

** Ses Basınç Seviyeleri motordan 1m uzaklıktan ölçülmüştür. / The sound pressure measurements are taken 1m away from the motor

*** Tolerans +3 dBA / Tolerance +3 dBA

BOYUTLAR - B3 / DIMENSION - B3



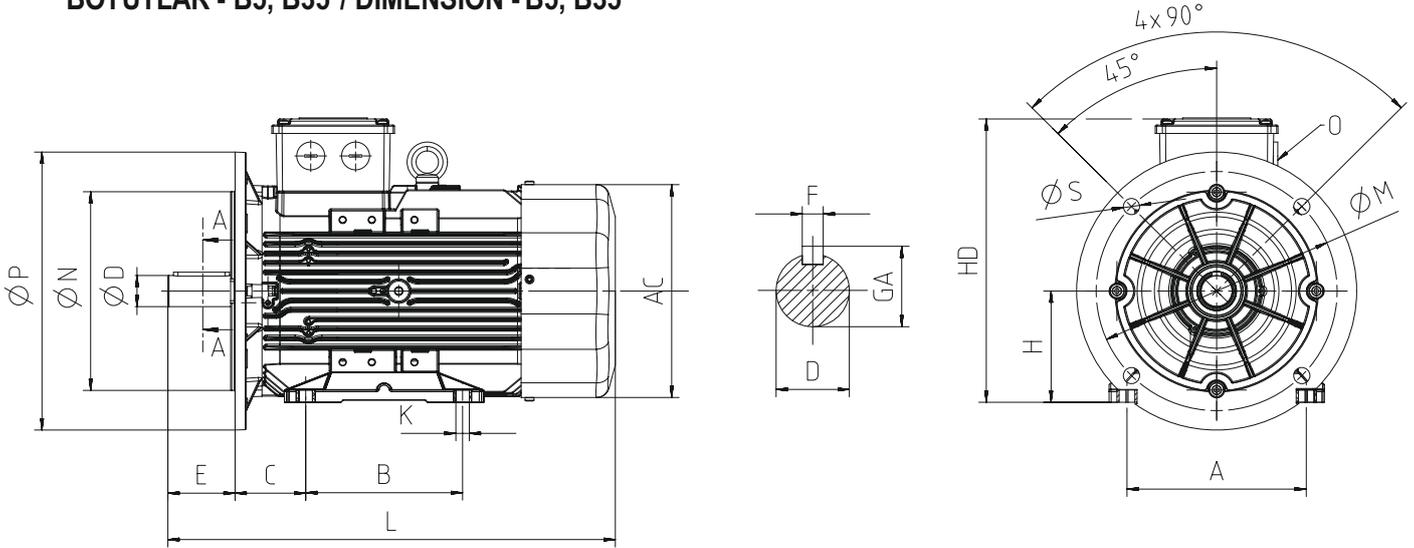
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|------|--------------|------------------|-----|------|-------------------|---------------------------------|---|---------------------------------|---|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side |
| 0,75 | 2 | Q3H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 0,75 | 4 | Q3H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 0,75 | 6 | Q3H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 1,1 | 2 | Q3H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 1,1 | 4 | Q3H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 1,1 | 6 | Q3H90L6D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 1,5 | 2 | Q3H90L2C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 1,5 | 4 | Q3H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 1,5 | 6 | Q3H100L6D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 |
| 2,2 | 2 | Q3H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 2,2 | 4 | Q3H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 2,2 | 6 | Q3H112M6D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 3 | 2 | Q3H100L2D | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 3 | 4 | Q3H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 |
| 3 | 6 | Q3H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 4 | 2 | Q3H112M2C | Aluminium | 191 | 400 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 4 | 4 | Q3H112M4D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 4 | 6 | Q3H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 5,5 | 2 | Q3H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 |
| 5,5 | 4 | Q3H132S4B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 5,5 | 6 | Q3H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 7,5 | 2 | Q3H132S2D | Aluminium | 210 | 448 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 |
| 7,5 | 4 | Q3H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 7,5 | 6 | Q3H160M6C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 11 | 2 | Q3H160M2C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 11 | 4 | Q3H160M4C | Aluminium | 260 | 578 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 11 | 6 | Q3H160L6D | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 15 | 2 | Q3H160M2DE | Aluminium | 260 | 580 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 15 | 4 | Q3H160L4B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 15 | 6 | Q3H180L6B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|------|-------|-------------------------------------|-----|-----|-----|------|-----|------------------|-----|------|------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksi Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksi Non drive Side |
| 18,5 | 2 | Q3H160L2C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 18,5 | 4 | Q3H180M4B | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 |
| 18,5 | 6 | Q3H200L6C | Aluminium | 349 | 750 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 22 | 2 | Q3H180M2B | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 |
| 22 | 4 | Q3H180L4B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 22 | 6 | Q3H200L6D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 2 | Q3H200L2C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 4 | Q3H200L4D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 6 | Q3E225M6C | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 37 | 2 | Q3H200L2D | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 37 | 4 | Q3E225M4B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 45 | 2 | Q3E225M2B | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 45 | 4 | Q3E225M4C | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 55 | 2 | Q3E250M2A | Aluminium | 527 | 886 | 2xM50 | 349 | 406 | 250 | 615 | 24 | 149 | 60 | 140 | 64,0 | 18 | 6315-ZZ | 6313-ZZ | 75*112*12 | 65*100*13 |
| 55 | 2 | Q3EP250M2C | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 149 | 60 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 55 | 4 | Q3E250M4B | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 149 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 75 | 2 | Q3EP280M2C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 75 | 4 | Q3EP280M4C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 75 | 140 | 79,5 | 20 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 90 | 2 | Q3EP280M2D | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 90 | 4 | Q3EP280M4D | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 75 | 140 | 79,5 | 20 | 6316 | 6316 | 80*100*10 | 80*100*10 |
| 110 | 2 | Q3EP315S2C | Cast Iron | 652 | 1176 | 2xM63 | 406 | 508 | 315 | 833 | 28 | 216 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5.5 | 80*100*5.5 |
| 110 | 4 | Q3EP315S4C | Cast Iron | 652 | 1206 | 2xM63 | 406 | 508 | 315 | 833 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 132 | 2 | Q3EP315M2B | Cast Iron | 652 | 1176 | 2xM63 | 457 | 508 | 315 | 833 | 28 | 216 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5.5 | 80*100*5.5 |
| 132 | 4 | Q3EP315M4B | Cast Iron | 652 | 1206 | 2xM63 | 457 | 508 | 315 | 833 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 160 | 2 | Q3EP315L2A | Cast Iron | 652 | 1287 | 2xM63 | 508 | 508 | 315 | 833 | 28 | 216 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5.5 | 80*100*5.5 |
| 160 | 4 | Q3EP315L4A | Cast Iron | 652 | 1317 | 2xM63 | 508 | 508 | 315 | 833 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 200 | 2 | Q3EP315L2C | Cast Iron | 652 | 1287 | 2xM63 | 508 | 508 | 315 | 833 | 28 | 216 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5.5 | 80*100*5.5 |
| 200 | 4 | Q3EP315L4C | Cast Iron | 652 | 1317 | 2xM63 | 508 | 508 | 315 | 833 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 250 | 2 | Q3EP355M2C | Cast Iron | 762 | 1512 | 4xM63 | 560 | 610 | 355 | 997 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 250 | 4 | Q3EP355M4C | Cast Iron | 762 | 1542 | 4xM63 | 560 | 610 | 355 | 997 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |
| 315 | 2 | Q3EP355L2B | Cast Iron | 762 | 1512 | 4xM63 | 630 | 610 | 355 | 997 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 315 | 4 | Q3EP355L4B | Cast Iron | 762 | 1542 | 4xM63 | 630 | 610 | 355 | 997 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |
| 355 | 2 | Q3EP355L2C | Cast Iron | 762 | 1512 | 4xM63 | 630 | 610 | 355 | 997 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 355 | 4 | Q3EP355L4C | Cast Iron | 762 | 1542 | 4xM63 | 630 | 610 | 355 | 997 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

BOYUTLAR - B5, B35 / DIMENSION - B5, B35



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|------|------------------|-----|------|-------------------|---------------------------------|---|---------------------------------|---|-----|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,75 | 2 | Q3H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 0,75 | 4 | Q3H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 0,75 | 6 | Q3H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 2 | Q3H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 4 | Q3H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 6 | Q3H90L6D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 2 | Q3H90L2C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 4 | Q3H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 6 | Q3H100L6D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 2,2 | 2 | Q3H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 2,2 | 4 | Q3H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 2,2 | 6 | Q3H112M6D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 2 | Q3H100L2D | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 4 | Q3H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 6 | Q3H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 4 | 2 | Q3H112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 4 | 4 | Q3H112M4D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 4 | 6 | Q3H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 2 | Q3H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 4 | Q3H132S4B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 6 | Q3H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 7,5 | 2 | Q3H132S2D | Aluminium | 210 | 448 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 300 | 230 | 265 | - | 14,5 |
| 7,5 | 4 | Q3H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 7,5 | 6 | Q3H160M6C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 2 | Q3H160M2C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 4 | Q3H160M4C | Aluminium | 260 | 580 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 6 | Q3H160L6D | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 2 | Q3H160M2DE | Aluminium | 260 | 580 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 4 | Q3H160L4B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 6 | Q3H180L6B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

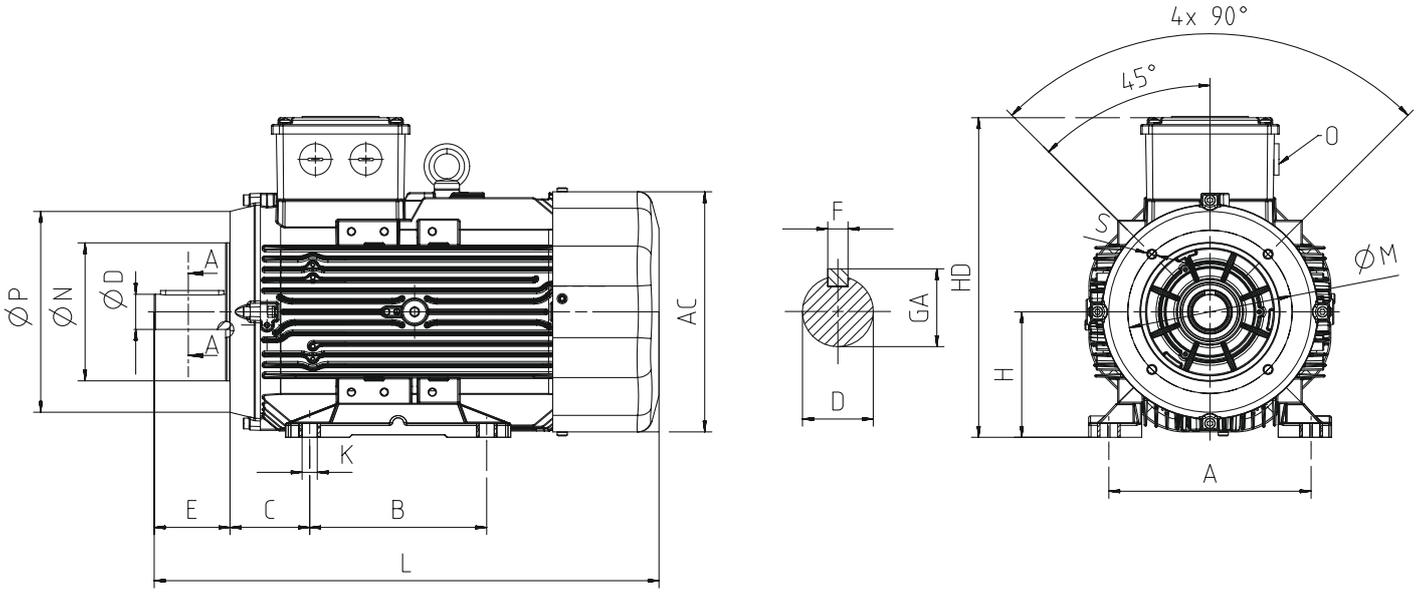
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|------|-------|--|-----|-----|-----|------|------------------|-----|------|------------------|---------------------------------|--|---------------------------------|--|-------------------------------------|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksli Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksli Non drive Side | P | N ⁽³⁾ | M | R | S |
| 18,5 | 4 | Q3H180M4B | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 18,5 | 6 | Q3H200L6C | Aluminium | 349 | 750 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 22 | 2 | Q3H180M2A | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 22 | 4 | Q3H180L4B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 22 | 6 | Q3H200L6D | Aluminium | 349 | 759 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 2 | Q3H200L2C | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 4 | Q3H200L4D | Aluminium | 349 | 759 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 6 | Q3E225M6C | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 37 | 2 | Q3H200L2D | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 37 | 4 | Q3E225M4B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 45 | 2 | Q3E225M2B | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 45 | 4 | Q3E225M4C | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 55 | 2 | Q3E250M2A | Aluminium | 527 | 886 | 2*M50 | 349 | 406 | 250 | 615 | 24 | 60 | 140 | 64,0 | 18 | 6315-ZZ | 6313-ZZ | 75*112*12 | 65*100*13 | 550 | 450 | 500 | - | 18,5 |
| 55 | 2 | Q3EP250M2C | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 60 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 55 | 4 | Q3E250M4B | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 75 | 2 | Q3EP280M2C | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 75 | 4 | Q3EP280M4C | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 75 | 140 | 79,5 | 20 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 90 | 2 | Q3EP280M2D | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 65 | 140 | 69,0 | 18 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 90 | 4 | Q3EP280M4D | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 75 | 140 | 79,5 | 20 | 6316 | 6316 | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 110 | 2 | Q3EP315S2C | Cast Iron | 652 | 1176 | 2*M63 | 406 | 508 | 315 | 833 | 28 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5,5 | 80*100*5,5 | 660 | 550 | 600 | 0 | 24 |
| 110 | 4 | Q3EP315S4C | Cast Iron | 652 | 1206 | 2*M63 | 406 | 508 | 315 | 833 | 28 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5,5 | 95*115*5,5 | 660 | 550 | 600 | 0 | 24 |
| 132 | 2 | Q3EP315M2B | Cast Iron | 652 | 1176 | 2*M63 | 457 | 508 | 315 | 833 | 28 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5,5 | 80*100*5,5 | 660 | 550 | 600 | 0 | 24 |
| 132 | 4 | Q3EP315M4B | Cast Iron | 652 | 1206 | 2*M63 | 457 | 508 | 315 | 833 | 28 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5,5 | 95*115*5,5 | 660 | 550 | 600 | 0 | 24 |
| 160 | 2 | Q3EP315L2A | Cast Iron | 652 | 1287 | 2*M63 | 508 | 508 | 315 | 833 | 28 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5,5 | 80*100*5,5 | 660 | 550 | 600 | 0 | 24 |
| 160 | 4 | Q3EP315L4A | Cast Iron | 652 | 1317 | 2*M63 | 508 | 508 | 315 | 833 | 28 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5,5 | 95*115*5,5 | 660 | 550 | 600 | 0 | 24 |
| 200 | 2 | Q3EP315L2C | Cast Iron | 652 | 1287 | 2*M63 | 508 | 508 | 315 | 833 | 28 | 65 | 140 | 69 | 18 | 6316 | 6316 | 80*100*5,5 | 80*100*5,5 | 660 | 550 | 600 | 0 | 24 |
| 200 | 4 | Q3EP315L4C | Cast Iron | 652 | 1317 | 2*M63 | 508 | 508 | 315 | 833 | 28 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5,5 | 95*115*5,5 | 660 | 550 | 600 | 0 | 24 |
| 250 | 2 | Q3EP355M2C | Cast Iron | 762 | 1512 | 4*M63 | 560 | 610 | 355 | 997 | 28 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5,5 | 85*105*5,5 | 800 | 680 | 740 | 0 | 24 |
| 250 | 4 | Q3EP355M4C | Cast Iron | 762 | 1542 | 4*M63 | 560 | 610 | 355 | 997 | 28 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5,5 | 110*130*5,5 | 800 | 680 | 740 | 0 | 24 |
| 315 | 2 | Q3EP355L2B | Cast Iron | 762 | 1512 | 4*M63 | 630 | 610 | 355 | 997 | 28 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5,5 | 85*105*5,5 | 800 | 680 | 740 | 0 | 24 |
| 315 | 4 | Q3EP355L4B | Cast Iron | 762 | 1542 | 4*M63 | 630 | 610 | 355 | 997 | 28 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5,5 | 110*130*5,5 | 800 | 680 | 740 | 0 | 24 |
| 355 | 2 | Q3EP355L2C | Cast Iron | 762 | 1512 | 4*M63 | 630 | 610 | 355 | 997 | 28 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5,5 | 85*105*5,5 | 800 | 680 | 740 | 0 | 24 |
| 355 | 4 | Q3EP355L4C | Cast Iron | 762 | 1542 | 4*M63 | 630 | 610 | 355 | 997 | 28 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5,5 | 110*130*5,5 | 800 | 680 | 740 | 0 | 24 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14a, B34a / DIMENSION - B14a, B34a



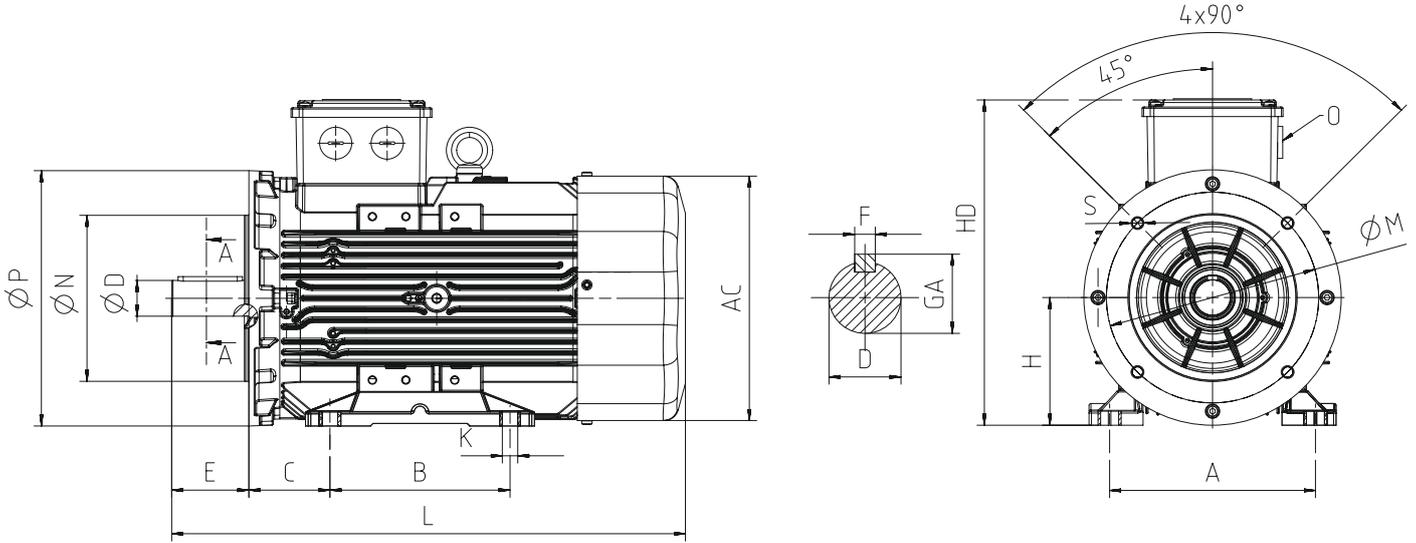
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | Mil Shaft | | Rulman Bearing | | Keçe Seal | | Flanş (FC) (B14a) Flange (FC) (B14a) | | | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|-----------|------------------|----------------|------|------------------|--------------------------|--------------------------------------|--------------------------|------------------------------------|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksli Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksli Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,75 | 2 | Q3H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 0,75 | 4 | Q3H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 0,75 | 6 | Q3H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 1,1 | 2 | Q3H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 1,1 | 4 | Q3H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 1,1 | 6 | Q3H90L6D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 2 | Q3H90L2C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 4 | Q3H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 6 | Q3H100L6D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 2 | Q3H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 2,2 | 4 | Q3H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 6 | Q3H112M6D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 3 | 2 | Q3H100L2D | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3 | 4 | Q3H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 3 | 6 | Q3H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 4 | 2 | Q3H112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4 | 4 | Q3H112M4D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 4 | 6 | Q3H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 5,5 | 2 | Q3H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 4 | Q3H132S4B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 5,5 | 6 | Q3H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 7,5 | 2 | Q3H132S2D | Aluminium | 210 | 448 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 7,5 | 4 | Q3H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14b, B34b / DIMENSION - B14b, B34b



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | Rulman Bearing | | Keçe Seal | | Flanş (FB) (B14b) Flange (FB) (B14b) | | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|----|------------------|----|----------------|------------------|--------------------------|-----------------------------------|--------------------------------------|-----------------------------------|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,75 | 2 | Q3H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 0,75 | 4 | Q3H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 0,75 | 6 | Q3H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 2 | Q3H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 4 | Q3H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 6 | Q3H90L6D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 2 | Q3H90L2C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 4 | Q3H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 6 | Q3H100L6D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 130 | - | M10 |
| 2,2 | 2 | Q3H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 260 | 110 | 130 | - | M8 |
| 2,2 | 4 | Q3H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 2,2 | 6 | Q3H112M6D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 3 | 2 | Q3H100L2D | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 3 | 4 | Q3H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 3 | 6 | Q3H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 4 | 2 | Q3H112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 4 | 4 | Q3H112M4D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 4 | 6 | Q3H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 5,5 | 2 | Q3H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 250 | 180 | 215 | - | M12 |
| 5,5 | 4 | Q3H132S4B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 5,5 | 6 | Q3H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 7,5 | 2 | Q3H132S2D | Aluminium | 210 | 448 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 250 | 180 | 215 | - | M12 |
| 7,5 | 4 | Q3H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

ELEKTRİKSEL ÖZELLİKLER - 50 Hz / ELECTRICAL CHARACTERISTICS AT 50 Hz

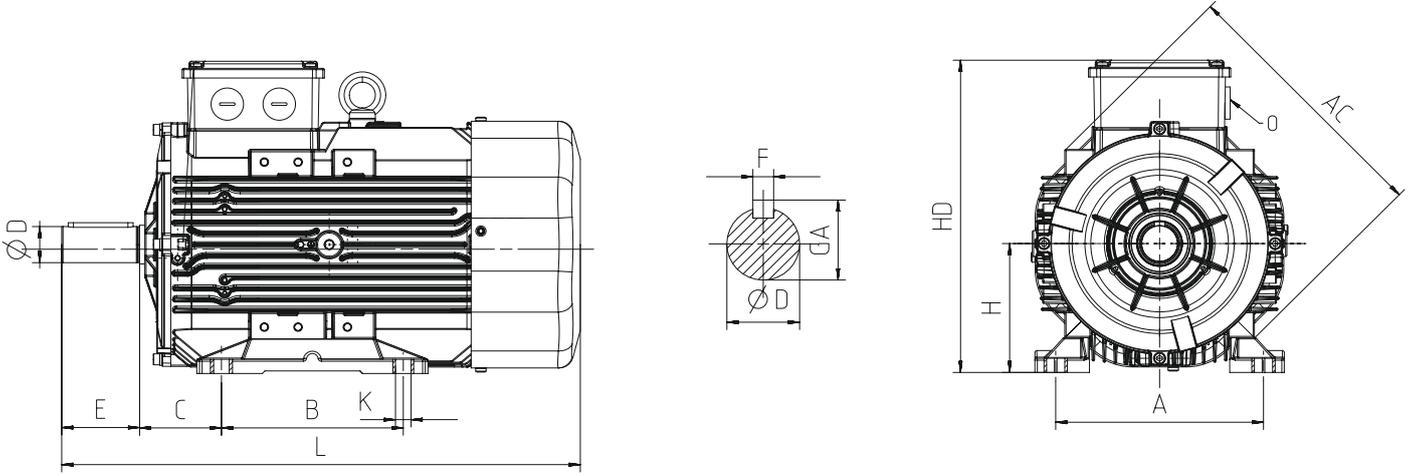
| MOTOR TİPİ MOTOR TYPE | GÖVDE TİPİ HOUSING TYPE | NOMINAL RATED VALUES | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J | Ağırlık Weight (B3) kg | Ses Basınç Seviyesi Sound Pressure Level dB** |
|--------------------------------------|----------------------------------|-------------------------|------|-----------------------|----------------------|------------------------|--|------|---------------------------------|-----|-----|---|-----------------------|------|------|---------|---------|---------------------------------|--|
| | | GÜÇ POWER | | DEVİR SPEED rpm | AKIM CURRENT A | MOMENT TORQUE Nm | AKIM CURRENT I_A / I_N | | MOMENT TORQUE M_A / M_N | | η% | | | | | | | | |
| | | kW | HP | | | | λ | Δ | λ | Δ | 4/4 | | 3/4 | 2/4 | | | | | |
| 2 kutup 3000 d/dak / 2 pole 3000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q3H80M2DE | Aluminium | 1,5 | 2,0 | 2905 | 3,2 | 4,9 | 10,9 | - | 5 | - | 5,4 | 84,2 | 83,3 | 80,5 | 0,80 | 0,00224 | 15 | 59 |
| | Q3H90L2E | Aluminium | 3,0 | 4,0 | 2890 | 5,8 | 9,9 | 8,1 | - | 3 | - | 3,5 | 87,1 | 88,1 | 87,7 | 0,86 | 0,00318 | 19 | 63 |
| 400/690V | Q3H100L2DE | Aluminium | 4,0 | 5,5 | 2936 | 8,0 | 13,0 | 3,6 | 10,9 | 1,6 | 4,8 | 5,7 | 88,1 | 88,1 | 85,8 | 0,82 | 0,00611 | 29 | 66 |
| | Q3H112M2D | Aluminium | 5,5 | 7,5 | 2920 | 10,5 | 18,1 | 3,5 | 10,5 | 1,2 | 3,7 | 5,1 | 89,2 | 89,0 | 87,2 | 0,86 | 0,00741 | 32 | 68 |
| | Q3H112M2DE | Aluminium | 7,5 | 10,0 | 2918 | 13,6 | 24,5 | 3,6 | 10,7 | 1,4 | 4,3 | 5,4 | 90,1 | 90,3 | 89,1 | 0,88 | 0,00921 | 42 | 69 |
| | Q3H132M2A | Aluminium | 11,0 | 15,0 | 2925 | 20,7 | 36,0 | 3,5 | 10,5 | 1,3 | 3,9 | 5,2 | 91,2 | 91,4 | 90,6 | 0,85 | 0,03489 | 61 | 69 |
| | Q3H132M2B | Aluminium | 15,0 | 20,0 | 2935 | 27,6 | 48,8 | 3,5 | 10,4 | 1,2 | 3,7 | 5,2 | 91,9 | 91,3 | 89,8 | 0,86 | 0,00402 | 77 | 71 |
| | Q3H160L2D | Aluminium | 22,0 | 30,0 | 2961 | 39,1 | 71,0 | 3,5 | 10,6 | 1,2 | 3,6 | 5,1 | 92,7 | 92,4 | 91,3 | 0,87 | 0,05539 | 114 | 70 |
| | Q3H180M2B | Aluminium | 30,0 | 40,0 | 2957 | 50,1 | 96,9 | 3,2 | 9,6 | 1,0 | 2,9 | 3,9 | 93,3 | 93,2 | 92,6 | 0,93 | 0,10277 | 148 | 77 |
| Q3H200L2DE | Aluminium | 45,0 | 60,0 | 2964 | 75,2 | 145,0 | 3,6 | 10,7 | 1,0 | 3,0 | 2,7 | 94,0 | 93,3 | 92,8 | 0,92 | 0,14769 | 199 | 78 | |
| 4 kutup 1500 d/dak / 4 pole 1500 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q3H80M4DE | Aluminium | 1,1 | 1,5 | 1448 | 2,6 | 7,3 | 7,2 | - | 3,1 | - | 3,7 | 82,7 | 82,4 | 89,5 | 0,75 | 0,00306 | 14 | 48 |
| | Q3H90L4DE | Aluminium | 2,2 | 3,0 | 1453 | 5,4 | 14,4 | 9,5 | - | 5,0 | - | 5,5 | 86,7 | 84,3 | 80,6 | 0,68 | 0,00690 | 25 | 54 |
| 400/690V | Q3H100L4E | Aluminium | 4,0 | 5,5 | 1445 | 8,8 | 26,4 | 8,6 | - | 3,5 | - | 4,2 | 88,6 | 87,1 | 85,6 | 0,75 | 0,01124 | 35 | 56 |
| | Q3H112M4E | Aluminium | 5,5 | 7,5 | 1443 | 11,25 | 36,4 | 2,8 | 8,3 | 1,0 | 3,1 | 3,8 | 89,6 | 89,2 | 88,3 | 0,80 | 0,01526 | 40 | 57 |
| | Q3H132M4E | Aluminium | 11,0 | 15,0 | 1470 | 19,2 | 71,3 | 2,7 | 8,0 | 0,7 | 2,1 | 3,8 | 91,4 | 91,5 | 90,4 | 0,90 | 0,05940 | 82 | 63 |
| | Q3H160L4C | Aluminium | 18,5 | 25,0 | 1474 | 39,5 | 119,9 | 2,5 | 7,4 | 0,8 | 2,3 | 3,5 | 92,6 | 91,9 | 91,2 | 0,74 | 0,10511 | 114 | 58 |
| | Q3H180L4C | Aluminium | 30,0 | 40,0 | 1475 | 54,8 | 194,2 | 2,5 | 7,6 | 0,8 | 2,3 | 2,8 | 93,6 | 93,2 | 92,3 | 0,85 | 0,22165 | 187 | 69 |

* IEC 60034-2-1'e göre / According to IEC 60034-2-1

** Ses Basınç Seviyeleri motordan 1m uzaklıktan ölçülmüştür. / The sound pressure measurements are taken 1m away from the motor

*** Tolerans +3 dBA / Tolerance +3 dBA

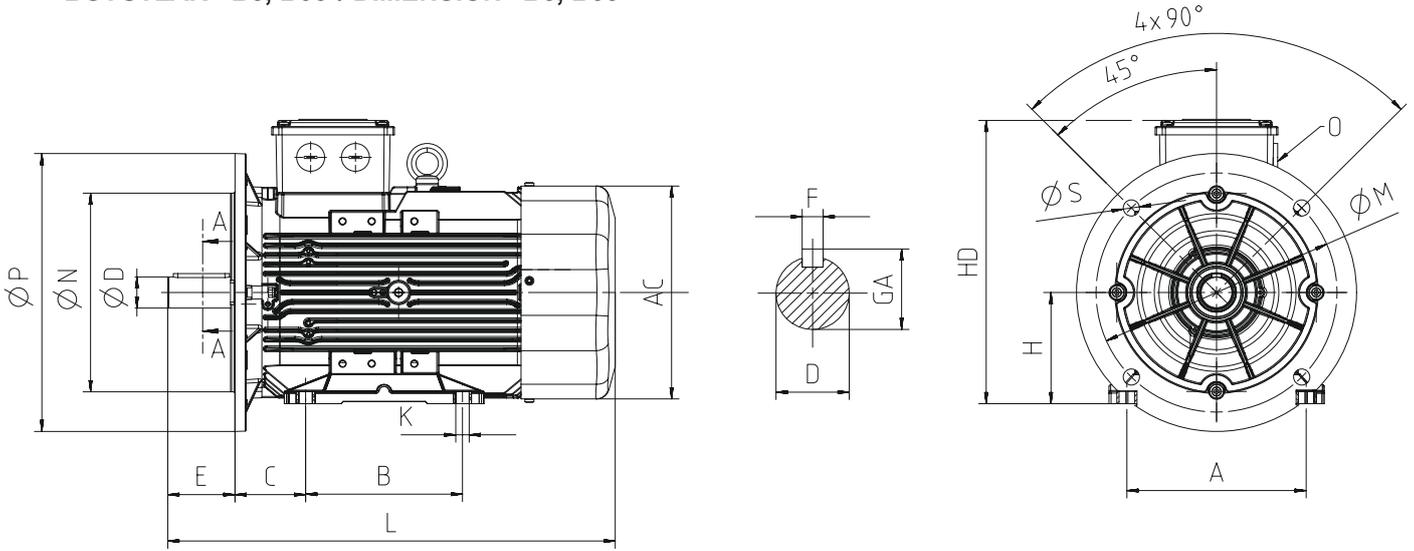
BOYUTLAR - B3 / DIMENSION - B3



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|------|--------------|------------------|-----|------|-------------------|--------------------------------|---|--------------------------------|---|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksi Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksi Non drive Side |
| 1,1 | 4 | Q3H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 1,5 | 2 | Q3H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 2,2 | 4 | Q3H90L4DE | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 3,0 | 2 | Q3H90L2E | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 4,0 | 2 | Q3H100L2DE | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 |
| 4,0 | 4 | Q3H100L4E | Aluminium | 191 | 422 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 |
| 5,5 | 2 | Q3H112M2D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 5,5 | 4 | Q3H112M4E | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 7,5 | 2 | Q3H112M2DE | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 11,0 | 2 | Q3H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 11,0 | 4 | Q3H132M4E | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6309-ZZ | 6209-ZZ | 40*62*10 | 40*62*10 |
| 15,0 | 2 | Q3H132M2B | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 18,5 | 4 | Q3H160L4C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 30,0 | 4 | Q3H180L4C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 22,0 | 2 | Q3H160L2D | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 30,0 | 2 | Q3H180M2B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 45,0 | 2 | Q3H200L2DE | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

BOYUTLAR - B5, B35 / DIMENSION - B5, B35



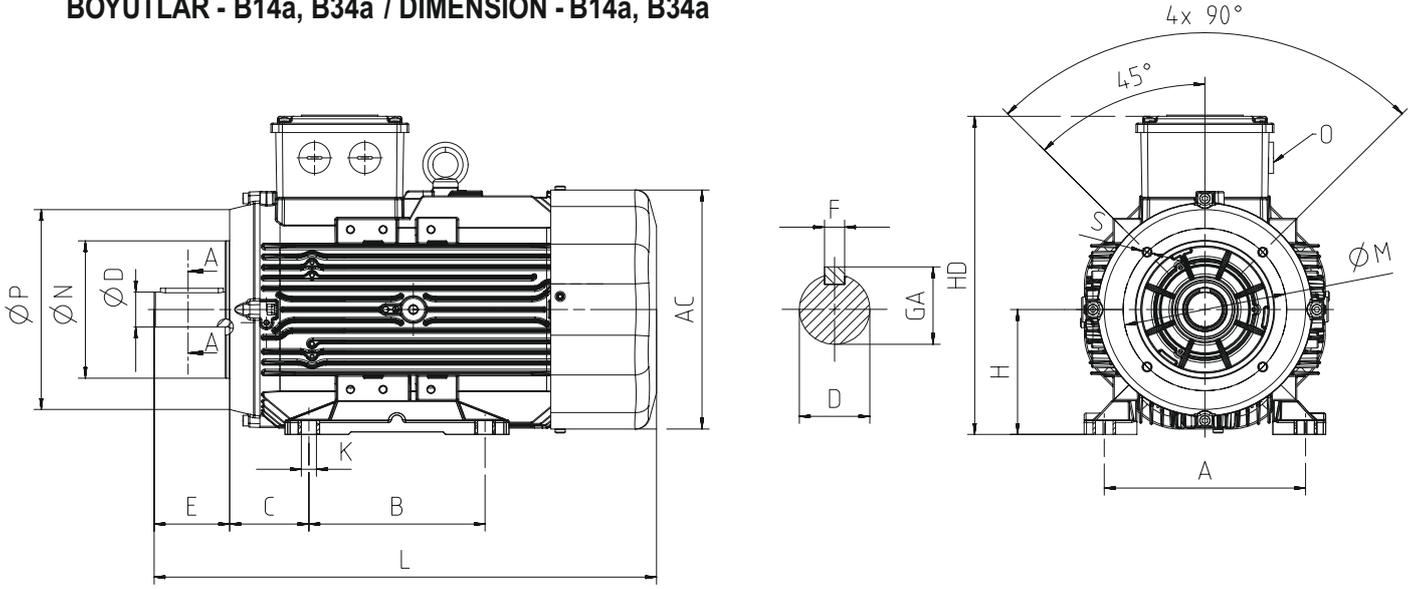
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|------|------------------|-----|------|------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|-----|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q3H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 2 | Q3H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 2,2 | 4 | Q3H90L4DE | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 3 | 2 | Q3H90L2E | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 4 | 2 | Q3H100L2DE | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 4 | 4 | Q3H100L4E | Aluminium | 191 | 422 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 5,5 | 2 | Q3H112M2D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 5,5 | 4 | Q3H112M4E | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 7,5 | 2 | Q3H112M2DE | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 11 | 2 | Q3H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 11 | 4 | Q3H132M4E | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6309-ZZ | 6209-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 15 | 2 | Q3H132M2B | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 18,5 | 4 | Q3H160L4C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 30 | 4 | Q3H180L4C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 22 | 2 | Q3H160L2D | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 30 | 2 | Q3H180M2B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 45 | 2 | Q3H200L2DE | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14a, B34a / DIMENSION - B14a, B34a



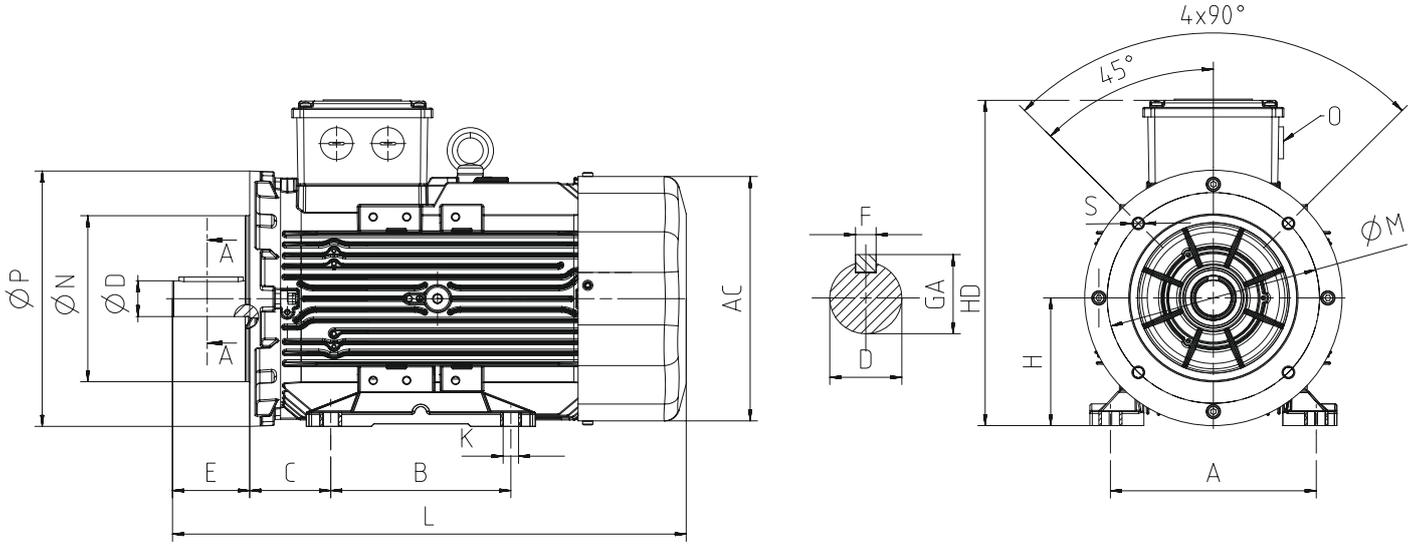
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FC) (B14a) Flange (FC) (B14a) | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|----|------------------|----|------|------------------|--------------------------|------------------------------------|--------------------------|--------------------------------------|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksis Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksis Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q3H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 1,5 | 2 | Q3H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 2,2 | 4 | Q3H90L4DE | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 3 | 2 | Q3H90L2E | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 4 | 2 | Q3H100L2DE | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 4 | 4 | Q3H100L4E | Aluminium | 191 | 422 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 5,5 | 2 | Q3H112M2D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 5,5 | 4 | Q3H112M4E | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 7,5 | 2 | Q3H112M2DE | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 11 | 2 | Q3H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 11 | 4 | Q3H132M4E | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 15 | 2 | Q3H132M2B | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14b, B34b / DIMENSION - B14b, B34b



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FB) (B14b) Flange (FB) (B14b) | | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|----|------------------|----|------|-------------------|---------------------------------|---|---------------------------------|---|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q3H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 2 | Q3H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 4 | Q3H90L4DE | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3 | 2 | Q3H90L2E | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4 | 2 | Q3H100L2DE | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 4 | 4 | Q3H100L4E | Aluminium | 191 | 422 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 2 | Q3H112M2D | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 4 | Q3H112M4E | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 7,5 | 2 | Q3H112M2DE | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 11 | 2 | Q3H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 11 | 4 | Q3H132M4E | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 15 | 2 | Q3H132M2B | Aluminium | 260 | 520 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

IE2

ELEKTRİKSEL ÖZELLİKLER - 50 Hz / ELECTRICAL CHARACTERISTICS AT 50 Hz

| MOTOR TİPİ MOTOR TYPE | GÖVDE TIPI HOUSING TYPE | NOMINAL RATED VALUES | | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J | Ağırlık Weight (B3) | Ses Basınç Seviyesi Sound Pressure Level dBA** |
|--------------------------------------|----------------------------------|-------------------------|-------|----------------|-----------------|------------------|-----------------|--|------------------|-------------|-------------|---|-----------------------|-------------|------|-------|---------|---------------------------|---|
| | | GÜÇ POWER | | DEVİR SPEED | AKIM CURRENT | MOMENT TORQUE | AKIM CURRENT | | MOMENT TORQUE | | η% | | | | | | | | |
| | | kW | HP | | | | rpm | A | Nm | I_A / I_N | $I_Δ / I_N$ | | M_A / M_N | $M_Δ / M_N$ | 4/4 | | | | |
| 2 kutup 3000 d/dak / 2 pole 3000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q2E63M2A | Aluminium | 0,18 | 1/4 | 2810 | 0,4 | 0,6 | 4,7 | - | 2,1 | - | 2,3 | 59,1 | 63,8 | 58,5 | 0,85 | 0,00022 | 5 | 52 |
| | Q2E63M2B | Aluminium | 0,25 | 1/3 | 2820 | 0,6 | 0,8 | 5,6 | - | 2,7 | - | 2,7 | 64,7 | 66,2 | 63,5 | 0,84 | 0,00025 | 6 | 52 |
| | Q2E71M2A | Aluminium | 0,37 | 1/2 | 2850 | 0,8 | 1,2 | 8,1 | - | 4,0 | - | 4,2 | 69,5 | 69,6 | 67,3 | 0,80 | 0,00067 | 8 | 54 |
| | Q2E71M2B | Aluminium | 0,55 | 3/4 | 2880 | 1,2 | 1,8 | 8,2 | - | 4,1 | - | 4,3 | 74,1 | 74,3 | 74,2 | 0,82 | 0,00086 | 10 | 54 |
| | Q2H80M2B | Aluminium | 0,75 | 1,0 | 2850 | 1,7 | 2,5 | 6,4 | - | 2,8 | - | 3,3 | 77,4 | 77,6 | 74,4 | 0,82 | 0,00111 | 9 | 58 |
| | Q2H80M2C | Aluminium | 1,1 | 1,5 | 2860 | 2,5 | 3,7 | 6,7 | - | 2,8 | - | 3,3 | 79,6 | 79,8 | 77,0 | 0,81 | 0,00140 | 11 | 58 |
| | Q2H90L2B | Aluminium | 1,5 | 2,0 | 2875 | 3,8 | 5,0 | 8,0 | - | 3,9 | - | 4,4 | 81,3 | 80,4 | 76,6 | 0,74 | 0,00176 | 13 | 62 |
| | Q2H90L2D | Aluminium | 2,2 | 3,0 | 2870 | 4,7 | 7,3 | 9,1 | - | 3,9 | - | 4,4 | 83,2 | 82,8 | 81,3 | 0,83 | 0,00231 | 16 | 62 |
| | Q2H100L2C | Aluminium | 3,0 | 4,0 | 2887 | 6,3 | 9,9 | 7,3 | - | 2,4 | - | 2,9 | 84,6 | 85,4 | 84,2 | 0,83 | 0,00266 | 19 | 66 |
| 400/690V | Q2H112M2B | Aluminium | 4,0 | 5,5 | 2900 | 8,0 | 13,2 | 3,1 | 9,3 | 1,1 | 3,2 | 4,0 | 85,8 | 86,1 | 84,5 | 0,85 | 0,00487 | 24 | 68 |
| | Q2H132S2B | Aluminium | 5,5 | 7,5 | 2915 | 10,6 | 18,0 | 3,5 | 10,6 | 1,5 | 4,4 | 5,3 | 87,0 | 87,1 | 84,9 | 0,86 | 0,00703 | 34 | 69 |
| | Q2H132S2C | Aluminium | 7,5 | 10,0 | 2900 | 14,6 | 24,7 | 3,5 | 10,6 | 1,3 | 3,8 | 4,6 | 88,1 | 88,6 | 87,6 | 0,85 | 0,00772 | 37 | 69 |
| | Q2H160M2B | Aluminium | 11,0 | 15,0 | 2923 | 21,2 | 35,9 | 3,1 | 9,2 | 1,1 | 3,3 | 4,8 | 89,4 | 89,9 | 88,4 | 0,83 | 0,03517 | 65 | 70 |
| | Q2H160M2C | Aluminium | 15,0 | 20,0 | 2915 | 30,0 | 49,2 | 3,2 | 9,6 | 1,3 | 3,9 | 5,1 | 90,3 | 90,6 | 89,6 | 0,80 | 0,04015 | 67 | 70 |
| | Q2H160M2D | Aluminium | 18,5 | 25,0 | 2930 | 30,8 | 60,3 | 2,7 | 8,0 | 0,6 | 1,9 | 3,6 | 90,9 | 91,7 | 91,1 | 0,95 | 0,04613 | 79 | 70 |
| | Q2H180M2A | Aluminium | 22,0 | 30,0 | 2955 | 40,9 | 71,2 | 3,5 | 10,6 | 1,2 | 3,6 | 5,2 | 91,3 | 92,0 | 90,7 | 0,84 | 0,05141 | 100 | 77 |
| | Q2H200L2B | Aluminium | 30,0 | 40,0 | 2955 | 51,5 | 97,1 | 2,8 | 8,5 | 0,8 | 2,4 | 3,6 | 92,0 | 92,5 | 91,8 | 0,91 | 0,08644 | 175 | 78 |
| | Q2H200L2C | Aluminium | 37,0 | 50,0 | 2965 | 66,2 | 119,6 | 3,4 | 10,1 | 1,0 | 3,1 | 4,5 | 92,5 | 92,5 | 91,2 | 0,87 | 0,10277 | 175 | 78 |
| | Q2E225M2B | Aluminium | 45,0 | 60,0 | 2960 | 82,1 | 145,2 | 2,9 | 8,7 | 0,8 | 2,4 | 2,9 | 92,9 | 92,6 | 91,1 | 0,85 | 0,23500 | 235 | 81 |
| | Q2E250M2A | Cast Iron | 55,0 | 75,0 | 2976 | 92,7 | 177,0 | 2,8 | 8,4 | 0,8 | 2,5 | 3,4 | 93,2 | 93,0 | 91,6 | 0,91 | 0,48700 | 486 | 82 |
| | Q2EP280M2B | Cast Iron | 75,0 | 100,0 | 2975 | 127,9 | 240,8 | 3,5 | 10,6 | 0,9 | 2,7 | 5,1 | 93,8 | 93,7 | 92,5 | 0,92 | 0,54000 | 576 | 84 |
| | Q2EP280M2C | Cast Iron | 90,0 | 125,0 | 2980 | 149,0 | 288,6 | 2,4 | 7,1 | 1,0 | 3,0 | 3,0 | 94,1 | 93,9 | 92,9 | 0,91 | 0,64500 | 585 | 84 |
| | Q2EP315S2C | Cast Iron | 110,0 | 127 | 2,975 | 185 | 353 | 2,6 | 7,8 | 0,7 | 2,2 | 2,4 | 94,3 | 94,3 | 93,1 | 0,91 | 1,43600 | 920 | 87 |
| | Q2EP315M2C | Cast Iron | 132,0 | 152 | 2,975 | 221 | 423 | 2,6 | 7,8 | 0,8 | 2,3 | 2,4 | 94,6 | 94,6 | 93,4 | 0,91 | 1,72300 | 970 | 87 |
| | Q2EP315L2C | Cast Iron | 160,0 | 184 | 2,975 | 268 | 513 | 2,5 | 7,5 | 0,8 | 2,3 | 2,4 | 94,8 | 94,8 | 93,6 | 0,91 | 1,95300 | 1170 | 87 |
| | Q2EP315L2D | Cast Iron | 200,0 | 230 | 2,975 | 334 | 643 | 2,7 | 8 | 0,8 | 2,4 | 2,6 | 95 | 95 | 93,8 | 0,91 | 2,52700 | 1200 | 87 |
| | Q2EP355M2C | Cast Iron | 250,0 | 280 | 2,985 | 422 | 799 | 2,3 | 7 | 0,7 | 2 | 2,4 | 95 | 95 | 93,8 | 0,90 | 3,92000 | 1690 | 87 |
| | Q2EP355L2C | Cast Iron | 315,0 | 353,0 | 2.985 | 532 | 1.007 | 2,5 | 7,4 | 0,7 | 2,0 | 2,3 | 95,0 | 95,0 | 93,8 | 0,90 | 4,17000 | 1.870 | 87 |
| | Q2EP355L2D | Cast Iron | 355,0 | 398,0 | 2985 | 599 | 1.135 | 2,5 | 7,5 | 0,6 | 1,8 | 2,1 | 95,0 | 95,0 | 93,8 | 0,90 | 4,44000 | 1953 | 87 |

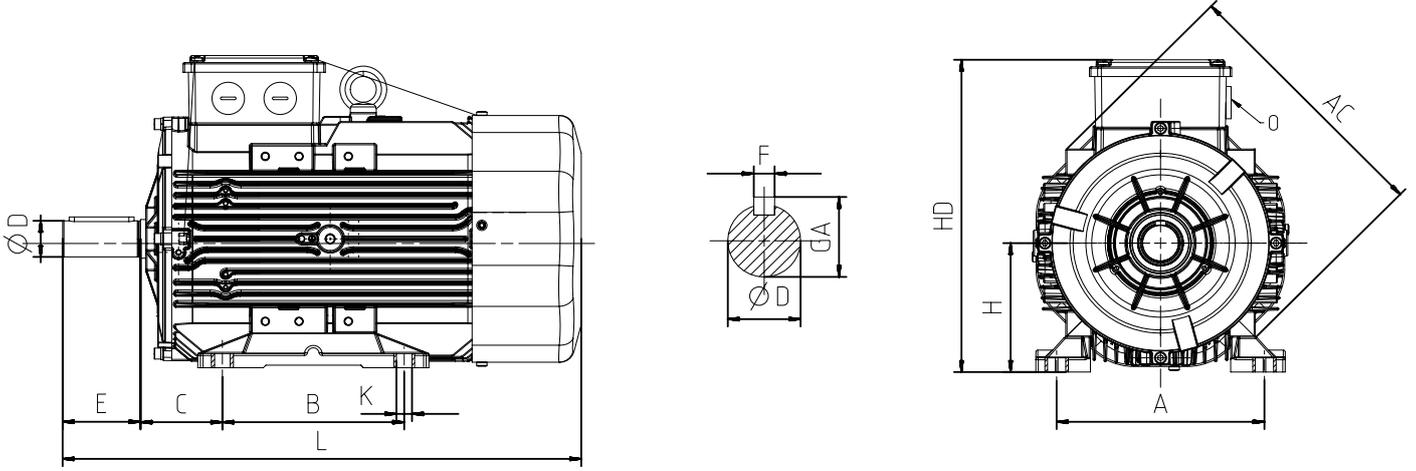
* IEC 60034-2-1'e göre / According to IEC 60034-2-1

** Ses Basınç Seviyeleri motordan 1m uzaklıktan ölçülmüştür. / The sound pressure measurements are taken 1m away from the motor

*** Tolerans +3 dBA / Tolerance +3 dBA

| MOTOR TİPİ MOTOR TYPE | GÖVDE TIPI HOUSING TYPE | NOMİNAL RATED VALUES | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J kgm² | Ağırlık Weight (B3) kg | Ses Basınç Seviyesi Sound Pressure Level dBA ** | |
|--------------------------------------|----------------------------------|-------------------------|-------|-----------------------|----------------------|------------------------|--|-----|---|-----|---|-----------------------|------|------|---------|-----------|---------------------------------|---|-----|
| | | GÜÇ POWER | | DEVİR SPEED rpm | AKIM CURRENT A | MOMENT TORQUE Nm | AKIM CURRENT I _A / I _N | | MOMENT TORQUE M _A / M _N | | | η% | 4/4 | 3/4 | | | | | 2/4 |
| | | kW | HP | | | | λ | Δ | λ | Δ | | | | | | | | | |
| 4 kutup 1500 d/dak / 4 pole 1500 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q2E63M4A | Aluminium | 0,12 | 1/6 | 1420 | 0,5 | 0,9 | 3,4 | - | 2,2 | - | 3,2 | 64,0 | 54,1 | 44,9 | 0,56 | 0,00022 | 5 | 41 |
| | Q2E63M4B | Aluminium | 0,18 | 1/4 | 1400 | 0,6 | 1,2 | 3,7 | - | 2,7 | - | 3,0 | 68,0 | 60,0 | 51,3 | 0,66 | 0,00026 | 6 | 41 |
| | Q2E71M4A | Aluminium | 0,25 | 1/3 | 1415 | 0,6 | 1,7 | 4,6 | - | 2,6 | - | 3,8 | 68,5 | 68,8 | 66,9 | 0,70 | 0,00095 | 9 | 45 |
| | Q2E71M4B | Aluminium | 0,37 | 1/2 | 1425 | 1,1 | 2,5 | 4,6 | - | 2,6 | - | 3,8 | 72,7 | 73,1 | 72,0 | 0,71 | 0,00095 | 9 | 45 |
| | Q2H80M4B | Aluminium | 0,55 | 3/4 | 1435 | 1,3 | 3,6 | 6,4 | - | 2,3 | - | 3,2 | 77,1 | 78,8 | 75,4 | 0,76 | 0,00175 | 10 | 49 |
| | Q2H80M4C | Aluminium | 0,75 | 1,0 | 1440 | 1,8 | 5,0 | 5,5 | - | 2,1 | - | 2,6 | 79,6 | 80,0 | 77,7 | 0,76 | 0,00216 | 11 | 49 |
| | Q2H90L4C | Aluminium | 1,10 | 1,5 | 1430 | 2,5 | 7,4 | 5,7 | - | 2,2 | - | 2,6 | 81,4 | 82,4 | 81,6 | 0,80 | 0,00267 | 13 | 54 |
| | Q2H90L4C | Aluminium | 1,50 | 2,0 | 1427 | 3,3 | 10,0 | 6,4 | - | 2,5 | - | 3,1 | 82,8 | 84,2 | 83,7 | 0,79 | 0,00328 | 15 | 54 |
| | Q2H100L4B | Aluminium | 2,20 | 3,0 | 1437 | 5,3 | 14,6 | 7,6 | - | 3,6 | - | 4,2 | 84,3 | 84,1 | 81,5 | 0,72 | 0,00521 | 21 | 55 |
| Q2H100L4C | Aluminium | 3,00 | 4,0 | 1440 | 7,4 | 20,0 | 6,5 | - | 3,3 | - | 3,7 | 85,5 | 85,3 | 83,0 | 0,70 | 0,00694 | 25 | 55 | |
| 400/690V | Q2H112M4C | Aluminium | 4,00 | 5,5 | 1440 | 8,7 | 26,6 | 2,7 | 8,0 | 1,1 | 3,2 | 3,8 | 86,6 | 85,7 | 83,5 | 0,78 | 0,01085 | 31 | 58 |
| | Q2H132S4A | Aluminium | 5,50 | 7,5 | 1445 | 11,5 | 35,5 | 2,7 | 8,0 | 1,0 | 3,0 | 3,8 | 87,7 | 88,3 | 87,3 | 0,79 | 0,01414 | 38 | 59 |
| | Q2H132M4C | Aluminium | 7,50 | 10,0 | 1460 | 15,0 | 49,1 | 2,4 | 7,1 | 0,5 | 1,5 | 0,6 | 88,7 | 89,4 | 88,7 | 0,82 | 0,03560 | 54 | 62 |
| | Q2H160M4C | Aluminium | 11,00 | 15,0 | 1468 | 21,6 | 71,5 | 2,6 | 7,9 | 0,7 | 2,1 | 3,6 | 89,8 | 91,1 | 90,3 | 0,81 | 0,05468 | 79 | 63 |
| | Q2H160L4B | Aluminium | 15,00 | 20,0 | 1462 | 29,8 | 98,0 | 2,6 | 7,8 | 0,6 | 1,8 | 3,4 | 90,6 | 91,4 | 90,9 | 0,80 | 0,05940 | 83 | 63 |
| | Q2H180M4A | Aluminium | 18,50 | 25,0 | 1470 | 36,0 | 120,2 | 2,3 | 6,8 | 0,7 | 2,2 | 2,9 | 91,2 | 92,0 | 91,6 | 0,81 | 0,10513 | 110 | 67 |
| | Q2H180M4B | Aluminium | 22,00 | 30,0 | 1462 | 41,8 | 143,8 | 1,8 | 5,5 | 0,6 | 1,9 | 2,8 | 91,6 | 92,9 | 93,3 | 0,84 | 0,11398 | 118 | 67 |
| | Q2H200L4C | Aluminium | 30,00 | 40,0 | 1475 | 55,3 | 194,6 | 2,7 | 8,2 | 0,9 | 2,7 | 3,5 | 92,0 | 91,9 | 91,4 | 0,85 | 0,18660 | 195 | 70 |
| | Q2E225M4A | Aluminium | 37,00 | 50,0 | 1480 | 68,3 | 238,8 | 3,0 | 9,1 | 1,2 | 3,6 | 4,0 | 92,7 | 92,6 | 91,3 | 0,84 | 0,36420 | 263 | 71 |
| | Q2E225M4B | Aluminium | 45,00 | 60,0 | 1480 | 81,5 | 290,5 | 3,1 | 9,4 | 1,2 | 3,7 | 3,0 | 93,1 | 93,0 | 91,9 | 0,85 | 0,43500 | 280 | 71 |
| | Q2E250M4A | Cast Iron | 55,00 | 75,0 | 1486 | 104,8 | 353,5 | 2,4 | 7,2 | 0,8 | 2,3 | 3,0 | 93,5 | 93,7 | 93,3 | 0,81 | 0,36400 | 506 | 72 |
| | Q2EP280M4B | Cast Iron | 75,00 | 100,0 | 1485 | 134,2 | 485,7 | 2,6 | 7,8 | 1,0 | 2,9 | 3,4 | 94,0 | 93,9 | 93,2 | 0,86 | 1,06100 | 624 | 73 |
| | Q2EP280M4C | Cast Iron | 90,00 | 125,0 | 1486 | 163,5 | 584,2 | 2,6 | 7,8 | 1,0 | 2,9 | 3,3 | 94,2 | 94,6 | 94,2 | 0,85 | 1,14800 | 638 | 73 |
| | Q2EP315S4C | Cast Iron | 110,0 | 127,0 | 1480 | 191 | 709 | 2,4 | 7,2 | 0,7 | 2,2 | 2,5 | 94,5 | 94,5 | 93,9 | 0,88 | 3,03500 | 925 | 70 |
| | Q2EP315M4C | Cast Iron | 132,0 | 152,0 | 1480 | 229 | 851 | 2,3 | 7,0 | 0,7 | 2,1 | 2,4 | 94,7 | 94,7 | 94,1 | 0,88 | 3,41500 | 1.010 | 70 |
| Q2EP315L4C | Cast Iron | 160,0 | 184,0 | 1480 | 273 | 1.032 | 2,5 | 7,5 | 0,7 | 2,2 | 2,5 | 94,9 | 94,9 | 94,3 | 0,89 | 4,11900 | 1.080 | 76 | |
| Q2EP315L4D | Cast Iron | 200,0 | 230,0 | 1480 | 341 | 1.290 | 2,5 | 7,5 | 0,8 | 2,3 | 2,5 | 95,1 | 95,1 | 94,5 | 0,89 | 5,20300 | 1.200 | 76 | |
| Q2EP355M4C | Cast Iron | 250,0 | 280,0 | 1485 | 426 | 1.607 | 2,6 | 7,9 | 0,8 | 2,3 | 2,5 | 95,1 | 95,1 | 94,5 | 0,89 | 8,79000 | 1.720 | 76 | |
| Q2EP355L4C | Cast Iron | 315,0 | 353,0 | 1485 | 531 | 2.025 | 2,5 | 7,4 | 0,7 | 2,0 | 2,3 | 95,1 | 95,1 | 94,5 | 0,90 | 10,13300 | 1.920 | 87 | |
| Q2EP355L4D | Cast Iron | 355,0 | 398,0 | 1485 | 603 | 2.283 | 2,9 | 8,8 | 0,6 | 1,8 | 2,0 | 95,1 | 95,1 | 94,5 | 0,89 | 10,67800 | 1.953 | 87 | |
| 6 kutup 1000 d/dak / 6 pole 1000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q2H90S6B | Aluminium | 0,75 | 1,0 | 943 | 1,8 | 7,7 | 4,6 | - | 2,1 | - | 2,7 | 75,9 | 75,1 | 71,4 | 0,69 | 0,00383 | 16 | 53 |
| | Q2H90L6C | Aluminium | 1,10 | 1,5 | 938 | 3,0 | 11,2 | 2,8 | - | 2,4 | - | 2,8 | 78,1 | 78,0 | 75,1 | 0,69 | 0,00464 | 18 | 53 |
| | Q2H100L6C | Aluminium | 1,50 | 2,0 | 955 | 4,0 | 15,2 | 3,3 | - | 2,6 | - | 3,2 | 79,8 | 79,3 | 76,3 | 0,67 | 0,00871 | 26 | 56 |
| | Q2H112M6C | Aluminium | 2,20 | 3,0 | 942 | 5,4 | 22,4 | 5,2 | - | 2,0 | - | 2,6 | 81,8 | 81,5 | 79,5 | 0,72 | 0,00936 | 31 | 58 |
| 400/690V | Q2H132S6A | Aluminium | 3,00 | 4,0 | 965 | 14,1 | 29,8 | 1,8 | 5,4 | 1,1 | 3,2 | 3,3 | 83,3 | 82,3 | 79,4 | 0,64 | 0,02950 | 47 | 62 |
| | Q2H132M6A | Aluminium | 4,00 | 5,5 | 970 | 10,4 | 39,8 | 1,9 | 5,8 | 0,7 | 2,2 | 2,6 | 84,6 | 83,5 | 80,7 | 0,65 | 0,03560 | 53 | 61 |
| | Q2H132M6B | Aluminium | 5,50 | 7,5 | 960 | 12,8 | 54,7 | 1,7 | 5,2 | 0,9 | 2,6 | 2,9 | 86,1 | 85,7 | 83,9 | 0,72 | 0,06420 | 67 | 60 |
| | Q2H160M6B | Aluminium | 7,50 | 10,0 | 970 | 18,9 | 74,6 | 2,1 | 6,2 | 1,2 | 3,6 | 3,8 | 87,2 | 84,3 | 81,7 | 0,66 | 0,07540 | 88 | 63 |
| | Q2H160L6B | Aluminium | 11,00 | 15,0 | 970 | 25,5 | 109,4 | 1,7 | 5,2 | 1,0 | 3,0 | 3,1 | 88,7 | 88,5 | 86,3 | 0,71 | 0,07040 | 99 | 63 |
| | Q2H180L6A | Aluminium | 15,00 | 20,0 | 970 | 31,5 | 146,9 | 1,8 | 5,1 | 0,6 | 1,8 | 2,0 | 89,7 | 89,5 | 87,30,0 | 0,76 | 0,16677 | 115 | 69 |
| | Q2H200L6B | Aluminium | 18,50 | 25,0 | 981 | 41,6 | 179,8 | 2,0 | 5,9 | 0,7 | 2,1 | 2,6 | 90,4 | 90,5 | 89,6 | 0,70 | 0,18660 | 160 | 70 |
| | Q2H200L6C | Aluminium | 22,00 | 30,0 | 982 | 48,8 | 214,5 | 1,8 | 5,6 | 0,8 | 2,3 | 2,4 | 90,9 | 91,0 | 90,3 | 0,72 | 0,20643 | 171 | 70 |
| Q2E225M6B | Aluminium | 30,00 | 40,0 | 975 | 57,0 | 287,6 | 1,9 | 5,7 | 0,6 | 1,7 | 2,5 | 91,7 | 91,6 | 90,7 | 0,83 | 0,49334 | 234 | 66 | |

BOYUTLAR - B3 / DIMENSION - B3



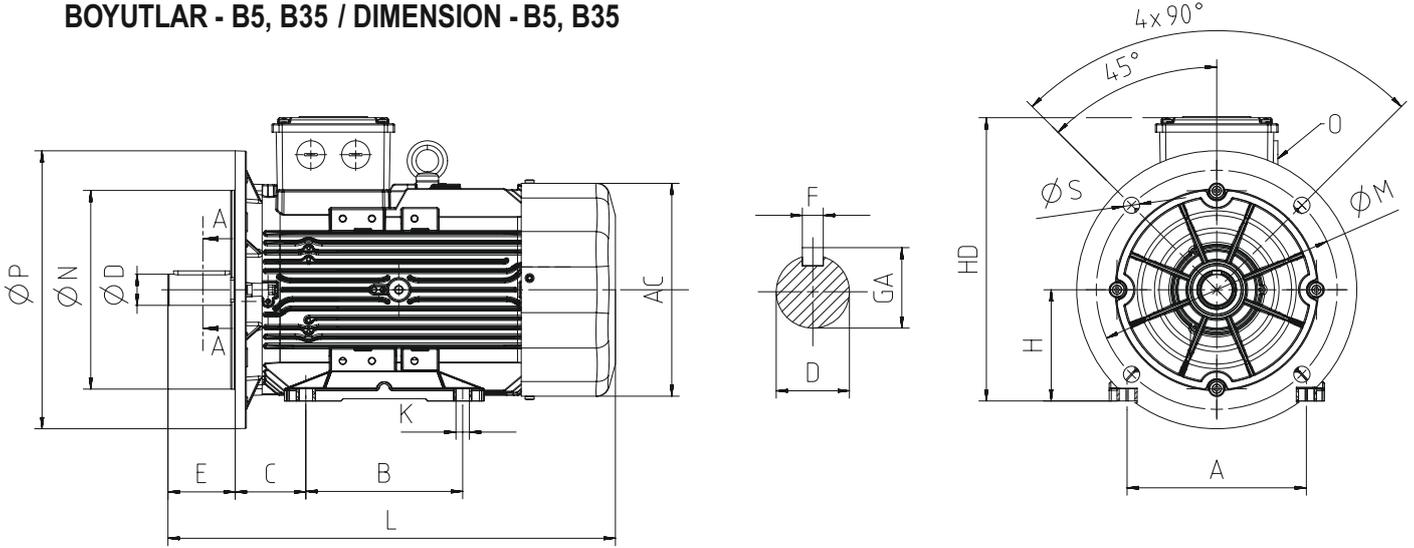
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|----|--------------|------------------|----|------|-------------------|---------------------------------|---|---------------------------------|---|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side |
| 0,12 | 4 | Q2E63M4A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 40 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 |
| 0,18 | 2 | Q2E63M2A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 40 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 |
| 0,18 | 4 | Q2E63M4B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 40 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 |
| 0,25 | 2 | Q2E63M2B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 40 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 |
| 0,25 | 4 | Q2E71M4A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 45 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 |
| 0,37 | 2 | Q2E71M2A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 45 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 |
| 0,37 | 4 | Q2E71M4B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 45 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 |
| 0,55 | 2 | Q2E71M2B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 45 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 |
| 0,55 | 4 | Q2H80M4B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 0,75 | 2 | Q2H80M2B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 0,75 | 4 | Q2H80M4C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 0,75 | 6 | Q2H90S6B | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 1,1 | 2 | Q2H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 1,1 | 4 | Q2H90L4C | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 1,1 | 6 | Q2H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 1,5 | 2 | Q2H90L2B | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 1,5 | 4 | Q2H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 1,5 | 6 | Q2H100L6C | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 |
| 2,2 | 2 | Q2H90L2D | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 |
| 2,2 | 4 | Q2H100L4B | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 2,2 | 6 | Q2H112M6C | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 3 | 2 | Q2H100L2C | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 3 | 4 | Q2H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 3 | 6 | Q2H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 4 | 2 | Q2H112M2B | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 4 | 4 | Q2H112M4C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 4 | 6 | Q2H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 5,5 | 2 | Q2H132S2B | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 |
| 5,5 | 4 | Q2H132S4A | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 |
| 5,5 | 6 | Q2H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|------|-------|-------------------------------------|-----|-----|-----|------|-----|------------------|-----|------|------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side |
| 7,5 | 2 | Q2H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 |
| 7,5 | 4 | Q2H132M4C | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 7,5 | 6 | Q2H160M6B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 11 | 2 | Q2H160M2B | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 11 | 4 | Q2H160M4C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 11 | 6 | Q2H160L6B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 15 | 2 | Q2H160M2C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 15 | 4 | Q2H160L4B | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 15 | 6 | Q2H180L6A | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 18,5 | 2 | Q2H160M2D | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 |
| 18,5 | 4 | Q2H180M4A | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 |
| 18,5 | 6 | Q2H200L6B | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 22 | 2 | Q2H180M2A | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 |
| 22 | 4 | Q2H180M4B | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 |
| 22 | 6 | Q2H200L6C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 2 | Q2H200L2B | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 4 | Q2H200L4C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 30 | 6 | Q2E225M6B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 37 | 2 | Q2H200L2C | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 37 | 4 | Q2E225M4A | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 45 | 2 | Q2E225M2B | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 45 | 4 | Q2E225M4B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 55 | 2 | Q2E250M2A | Aluminium | 527 | 886 | 2*M50 | 349 | 406 | 250 | 615 | 24 | 149 | 60 | 140 | 64,0 | 18 | 6315-ZZ | 6313-ZZ | 75*112*12 | 65*100*13 |
| 55 | 2 | Q2E250M2A | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 149 | 60 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 55 | 4 | Q2E250M4A | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 149 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 75 | 2 | Q2EP280M2B | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 75 | 4 | Q2EP280M4B | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 90 | 2 | Q2EP280M2C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 90 | 4 | Q2EP280M4C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 190 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 110 | 2 | Q2EP315S2C | Cast Iron | 630 | 1180 | 2*M63 | 406 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 18 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 110 | 4 | Q2EP315S4C | Cast Iron | 630 | 1210 | 2*M63 | 406 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 132 | 2 | Q2EP315M2C | Cast Iron | 630 | 1290 | 2*M63 | 457 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 18 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 132 | 4 | Q2EP315M4C | Cast Iron | 630 | 1320 | 2*M63 | 457 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 160 | 2 | Q2EP315L2C | Cast Iron | 630 | 1290 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 18 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 160 | 4 | Q2EP315L4C | Cast Iron | 630 | 1320 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 200 | 2 | Q2EP315L2D | Cast Iron | 630 | 1290 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 18 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 200 | 4 | Q2EP315L4D | Cast Iron | 630 | 1320 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 22 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 |
| 250 | 2 | Q2EP355M2C | Cast Iron | 710 | 1486 | 4*M63 | 560 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 250 | 4 | Q2EP355M4C | Cast Iron | 710 | 1517 | 4*M63 | 560 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |
| 315 | 2 | Q2EP355L2C | Cast Iron | 710 | 1486 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 315 | 4 | Q2EP355L4C | Cast Iron | 710 | 1517 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |
| 355 | 2 | Q2EP355L2D | Cast Iron | 710 | 1486 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 20 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 |
| 355 | 4 | Q2EP355L4D | Cast Iron | 710 | 1517 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 25 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

BOYUTLAR - B5, B35 / DIMENSION - B5, B35



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayıklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|----|------------------|----|------|------------------|---------------------------------|---|---------------------------------|---|-------------------------------------|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,12 | 4 | Q2E63M4A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 140 | 95 | 115 | - | 10 |
| 0,18 | 2 | Q2E63M2A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 140 | 95 | 115 | - | 10 |
| 0,18 | 4 | Q2E63M4B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 140 | 95 | 115 | - | 10 |
| 0,25 | 2 | Q2E63M2B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 140 | 95 | 115 | - | 10 |
| 0,25 | 4 | Q2E71M4A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 160 | 110 | 130 | - | 10 |
| 0,37 | 2 | Q2E71M2A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 160 | 110 | 130 | - | 10 |
| 0,37 | 4 | Q2E71M4B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 160 | 110 | 130 | - | 10 |
| 0,55 | 2 | Q2E71M2B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 160 | 110 | 130 | - | 10 |
| 0,55 | 4 | Q2H80M4B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 0,75 | 2 | Q2H80M2B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 0,75 | 4 | Q2H80M4C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 0,75 | 6 | Q2H90S6B | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 2 | Q2H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 4 | Q2H90L4C | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,1 | 6 | Q2H90L6B | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 2 | Q2H90L2B | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 4 | Q2H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 1,5 | 6 | Q2H100L6C | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 2,2 | 2 | Q2H90L2D | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 200 | 130 | 165 | - | 12 |
| 2,2 | 4 | Q2H100L4B | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 2,2 | 6 | Q2H112M6C | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 2 | Q2H100L2C | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 4 | Q2H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 3 | 6 | Q2H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 4 | 2 | Q2H112M2B | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 4 | 4 | Q2H112M4C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 4 | 6 | Q2H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 2 | Q2H132S2B | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 4 | Q2H132S4A | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 300 | 230 | 265 | - | 14,5 |
| 5,5 | 6 | Q2H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

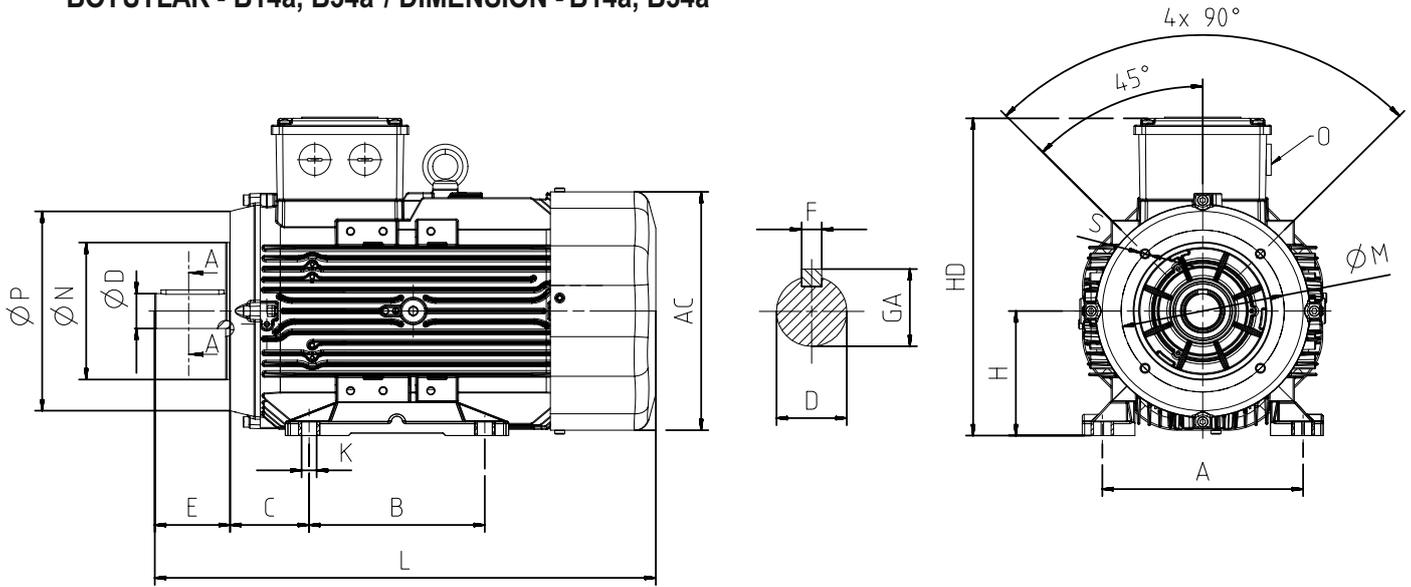
(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

ÜÇ FAZLI MOTORLAR THREE PHASE MOTORS

IE2

| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|------|-------|-------------------------------------|-----|-----|-----|------|------------------|-----|------|------------------|--------------------------|-----------------------------------|--------------------------|-----------------------------------|-----|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 7,5 | 2 | Q2H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 300 | 230 | 265 | - | 14,5 |
| 7,5 | 4 | Q2H132M4C | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 7,5 | 6 | Q2H160M6B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 2 | Q2H160M2B | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 4 | Q2H160M4C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 11 | 6 | Q2H160L6B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 2 | Q2H160M2C | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 4 | Q2H160L4B | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 15 | 6 | Q2H180L6A | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 18,5 | 2 | Q2H160M2D | Aluminium | 260 | 520 | 1xM32 | 210-254 | 254 | 160 | 351 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6208-ZZ | 45*72*10 | 40*62*10 | 350 | 250 | 300 | - | 18,5 |
| 18,5 | 4 | Q2H180M4A | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 18,5 | 6 | Q2H200L6B | Aluminium | 349 | 706 | 1xM50 | 305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 22 | 2 | Q2H180M2A | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 22 | 4 | Q2H180M4B | Aluminium | 305 | 596 | 1xM32 | 241-279 | 279 | 180 | 398 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6209-ZZ | 50*80*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 22 | 6 | Q2H200L6C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 2 | Q2H200L2B | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 4 | Q2H200L4C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 30 | 6 | Q2E225M6B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 37 | 2 | Q2H200L2C | Aluminium | 349 | 706 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 37 | 4 | Q2E225M4A | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 45 | 2 | Q2E225M2B | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 45 | 4 | Q2E225M4B | Aluminium | 456 | 765 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 60 | 140 | 64,0 | 18 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 55 | 2 | Q2E250M2A | Aluminium | 527 | 886 | 2*M50 | 349 | 406 | 250 | 615 | 24 | 60 | 140 | 18 | 64 | 6315-ZZ | 6313-ZZ | 75*112*12 | 65*100*13 | 550 | 450 | 500 | - | 18,5 |
| 55 | 2 | Q2E250M2A | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 60 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 55 | 4 | Q2E250M4A | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 75 | 2 | Q2EP280M2B | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 75 | 4 | Q2EP280M4B | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 90 | 2 | Q2EP280M2C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 90 | 4 | Q2EP280M4C | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 110 | 2 | Q2EP315S2C | Cast Iron | 630 | 1180 | 2*M63 | 406 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 660 | 550 | 600 | - | 24 |
| 110 | 4 | Q2EP315S4C | Cast Iron | 630 | 1210 | 2*M63 | 406 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 | 660 | 550 | 600 | - | 24 |
| 132 | 2 | Q2EP315M2C | Cast Iron | 630 | 1290 | 2*M63 | 457 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 660 | 550 | 600 | - | 24 |
| 132 | 4 | Q2EP315M4C | Cast Iron | 630 | 1320 | 2*M63 | 457 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 | 660 | 550 | 600 | - | 24 |
| 160 | 2 | Q2EP315L2C | Cast Iron | 630 | 1290 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 660 | 550 | 600 | - | 24 |
| 160 | 4 | Q2EP315L4C | Cast Iron | 630 | 1320 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 | 660 | 550 | 600 | - | 24 |
| 200 | 2 | Q2EP315L2D | Cast Iron | 630 | 1290 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 65 | 140 | 69 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 660 | 550 | 600 | - | 24 |
| 200 | 4 | Q2EP315L4D | Cast Iron | 630 | 1320 | 2*M63 | 508 | 508 | 315 | 845 | 28 | 216 | 80 | 170 | 85 | 6319 | 6319 | 95*115*5.5 | 95*115*5.5 | 660 | 550 | 600 | - | 24 |
| 250 | 2 | Q2EP355M2C | Cast Iron | 710 | 1486 | 4*M63 | 560 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 800 | 680 | 740 | - | 24 |
| 250 | 4 | Q2EP355M4C | Cast Iron | 710 | 1517 | 4*M63 | 560 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 | 800 | 680 | 740 | - | 24 |
| 315 | 2 | Q2EP355L2C | Cast Iron | 710 | 1486 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 800 | 680 | 740 | - | 24 |
| 315 | 4 | Q2EP355L4C | Cast Iron | 710 | 1517 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 | 800 | 680 | 740 | - | 24 |
| 355 | 2 | Q2EP355L2D | Cast Iron | 710 | 1486 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 75 | 140 | 80 | 6317 | 6317 | 85*105*5.5 | 85*105*5.5 | 800 | 680 | 740 | - | 24 |
| 355 | 4 | Q2EP355L4D | Cast Iron | 710 | 1517 | 4*M63 | 630 | 610 | 355 | 956 | 28 | 254 | 95 | 170 | 100 | 6322 | 6322 | 110*130*5.5 | 110*130*5.5 | 800 | 680 | 740 | - | 24 |

BOYUTLAR - B14a, B34a / DIMENSION - B14a, B34a



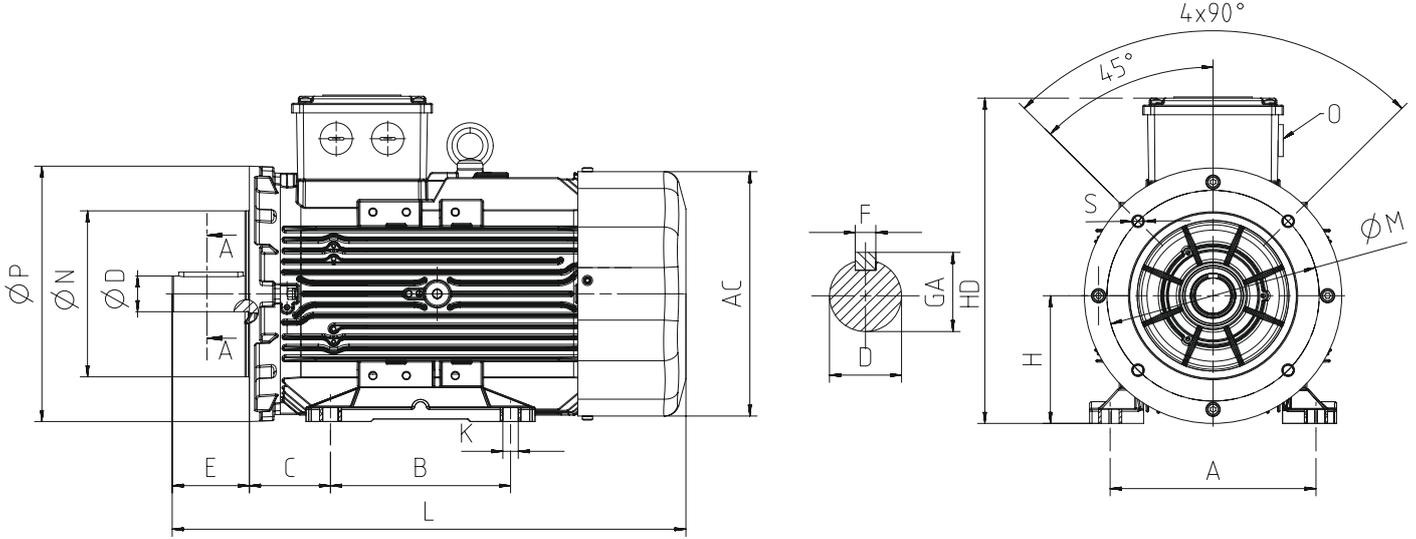
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | Rulman Bearing | | Keçe Seal | | Flanş (FC) (B14a) Flange (FC) (B14a) | | | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|----|------------------|----|-------------------|------------------|---------------------------------|---|---|---|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,12 | 4 | Q2E63M4A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 90 | 60 | 75 | - | M5 |
| 0,18 | 2 | Q2E63M2A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 90 | 60 | 75 | - | M5 |
| 0,18 | 4 | Q2E63M4B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 90 | 60 | 75 | - | M5 |
| 0,25 | 2 | Q2E63M2B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 90 | 60 | 75 | - | M5 |
| 0,25 | 4 | Q2E71M4A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 105 | 70 | 85 | - | M6 |
| 0,37 | 2 | Q2E71M2A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 105 | 70 | 85 | - | M6 |
| 0,37 | 4 | Q2E71M4B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 105 | 70 | 85 | - | M6 |
| 0,55 | 2 | Q2E71M2B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 105 | 70 | 85 | - | M6 |
| 0,55 | 4 | Q2H80M4B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 0,75 | 2 | Q2H80M2B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 0,75 | 4 | Q2H80M4C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 0,75 | 6 | Q2H90S6B | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 1,1 | 2 | Q2H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 1,1 | 4 | Q2H90L4C | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 1,1 | 6 | Q2H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 2 | Q2H90L2B | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 4 | Q2H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 1,5 | 6 | Q2H100L6C | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 2 | Q2H90L2D | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 140 | 95 | 115 | - | M8 |
| 2,2 | 4 | Q2H100L4B | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 6 | Q2H112M6C | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 3 | 2 | Q2H100L2C | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3 | 4 | Q2H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3 | 6 | Q2H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 4 | 2 | Q2H112M2B | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4 | 4 | Q2H112M4C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4 | 6 | Q2H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 5,5 | 2 | Q2H132S2B | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 4 | Q2H132S4A | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 6 | Q2H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 7,5 | 2 | Q2H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 7,5 | 4 | Q2H132M4C | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14b, B34b / DIMENSION - B14b, B34b



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | Rulman Bearing | | Keçe Seal | | Flanş (FB) (B14b) Flange (FB) (B14b) | | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|----|------------------|----|----------------|------------------|--------------------------|-----------------------------------|--------------------------------------|-----------------------------------|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 0,12 | 4 | Q2E63M4A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 120 | 80 | 100 | - | M6 |
| 0,18 | 2 | Q2E63M2A | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 120 | 80 | 100 | - | M6 |
| 0,18 | 4 | Q2E63M4B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 120 | 80 | 100 | - | M6 |
| 0,25 | 2 | Q2E63M2B | Aluminium | 123 | 220 | 1xM20 | 80 | 100 | 63 | 162 | 7 | 11 | 23 | 12,5 | 4 | 6201-ZZ | 6201-ZZ | 12*22*7 | 12*22*7 | 120 | 80 | 100 | - | M6 |
| 0,25 | 4 | Q2E71M4A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 140 | 95 | 115 | - | M8 |
| 0,37 | 2 | Q2E71M2A | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 140 | 95 | 115 | - | M8 |
| 0,37 | 4 | Q2E71M4B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 140 | 95 | 115 | - | M8 |
| 0,55 | 2 | Q2E71M2B | Aluminium | 138 | 253 | 1xM20 | 90 | 112 | 71 | 190 | 7 | 14 | 30 | 16,0 | 5 | 6202-ZZ | 6202-ZZ | 15*24*5 | 15*24*5 | 140 | 95 | 115 | - | M8 |
| 0,55 | 4 | Q2H80M4B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 0,75 | 2 | Q2H80M2B | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 0,75 | 4 | Q2H80M4C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 0,75 | 6 | Q2H90S6B | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 2 | Q2H80M2C | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 4 | Q2H90L4C | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,1 | 6 | Q2H90L6C | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 2 | Q2H90L2B | Aluminium | 158 | 278 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 4 | Q2H90L4C | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 6 | Q2H100L6C | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 2,2 | 2 | Q2H90L2D | Aluminium | 158 | 303 | 1xM25 | 100-125 | 140 | 90 | 213 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6204-ZZ | 25*40*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 4 | Q2H100L4B | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 2,2 | 6 | Q2H112M6C | Aluminium | 210 | 396 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 3 | 2 | Q2H100L2C | Aluminium | 172 | 349 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 3 | 4 | Q2H100L4C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 3 | 6 | Q2H132S6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 4 | 2 | Q2H112M2B | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 4 | 4 | Q2H112M4C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 4 | 6 | Q2H132M6A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 5,5 | 2 | Q2H132S2B | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 250 | 180 | 215 | - | M12 |
| 5,5 | 4 | Q2H132S4A | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 250 | 180 | 215 | - | M12 |
| 5,5 | 6 | Q2H132M6B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 7,5 | 2 | Q2H132S2C | Aluminium | 210 | 422 | 1xM25 | 140-178 | 216 | 132 | 283 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6206-ZZ | 40*62*10 | 30*47*7 | 250 | 180 | 215 | - | M12 |
| 7,5 | 4 | Q2H132M4C | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

ELEKTRİKSEL ÖZELLİKLER - 50 Hz / ELECTRICAL CHARACTERISTICS AT 50 Hz

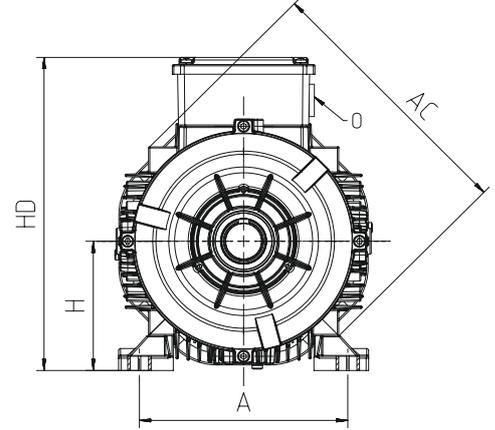
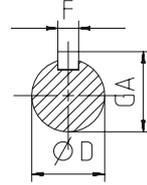
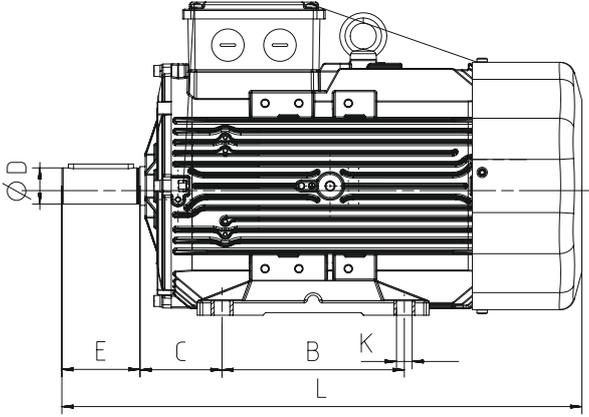
| MOTOR TİPİ MOTOR TYPE | GÖVDE TIPI HOUSING TYPE | NOMINAL RATED VALUES | | | | | | KALKIŞTAKİ DEĞERLER STARTING VALUES | | | | Devrilme Momenti Oranı Breakdown Torque Ratio Mk/ Mn | VERİM* EFFICIENCY* | | | Cos φ | J | Ağırlık Weight (B3) | Ses Basınç Seviyesi Sound Pressure Level dBA** |
|--------------------------------------|----------------------------------|-------------------------|-------|----------------|-----------------|------------------|--------------------------------|--|---------------------------------|-----|-----|---|-----------------------|------|------|---------|---------|---------------------------|---|
| | | GÜÇ POWER | | DEVİR SPEED | AKIM CURRENT | MOMENT TORQUE | AKIM CURRENT I_A / I_N | | MOMENT TORQUE M_A / M_N | | η% | | | | | | | | |
| | | kW | HP | | | | rpm | A | Nm | λ | Δ | | λ | Δ | 4/4 | | | | |
| 2 kutup 3000 d/dak / 2 pole 3000 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q2H80M2D | Aluminium | 1,5 | 2,0 | 2875 | 3,8 | 5,0 | 8,0 | - | 3,9 | - | 4,4 | 81,3 | 80,4 | 76,6 | 0,74 | 0,00169 | 12 | 58 |
| | Q2H80M2DE | Aluminium | 2,2 | 3,0 | 2870 | 4,7 | 7,3 | 9,1 | - | 3,9 | - | 4,4 | 83,2 | 82,8 | 81,3 | 0,83 | 0,00224 | 16 | 59 |
| | Q2H90L2D | Aluminium | 3,0 | 4,0 | 2887 | 6,3 | 9,9 | 7,3 | - | 2,4 | - | 2,9 | 84,6 | 85,4 | 84,2 | 0,83 | 0,00283 | 19 | 61 |
| 400/690V | Q2HS100L2C | Aluminium | 4,0 | 5,5 | 2913 | 8,2 | 13,2 | 3,6 | 10,8 | 1,4 | 4,2 | 4,8 | 85,8 | 87,0 | 86,1 | 0,82 | 0,00381 | 24 | 66 |
| | Q2HS112M2C | Aluminium | 5,5 | 7,5 | 2910 | 10,6 | 18,1 | 3,6 | 10,9 | 1,3 | 3,8 | 4,5 | 87,0 | 87,5 | 86,2 | 0,86 | 0,00637 | 29 | 68 |
| | Q2HS112M2D | Aluminium | 7,5 | 10,0 | 2895 | 14,1 | 24,8 | 3,4 | 10,3 | 1,3 | 3,9 | 4,6 | 88,1 | 89,0 | 88,7 | 0,88 | 0,00751 | 30 | 68 |
| | Q2H132M2A | Aluminium | 11,0 | 15,0 | 2923 | 21,3 | 35,9 | 3,1 | 9,2 | 1,1 | 3,3 | 4,8 | 89,4 | 89,9 | 88,4 | 0,83 | 0,03489 | 57 | 69 |
| | Q2H132M2B | Aluminium | 15,0 | 20,0 | 2915 | 30,0 | 49,2 | 3,2 | 9,6 | 1,3 | 3,9 | 5,1 | 90,3 | 90,6 | 89,6 | 0,80 | 0,03490 | 65 | 69 |
| | Q2H132M2C | Aluminium | 18,5 | 25,0 | 2930 | 30,8 | 60,3 | 2,7 | 8,0 | 0,6 | 1,9 | 3,6 | 90,9 | 91,7 | 91,1 | 0,95 | 0,04685 | 77 | 70 |
| | Q2H160L2C | Aluminium | 22,0 | 30,0 | 2955 | 40,9 | 71,2 | 3,5 | 10,4 | 1,2 | 3,6 | 5,2 | 91,3 | 92,0 | 90,7 | 0,84 | 0,04808 | 96 | 71 |
| | Q2H180M2B | Aluminium | 30,0 | 37,0 | 2955 | 51,5 | 97,1 | 2,8 | 8,5 | 0,8 | 2,4 | 3,6 | 92,0 | 92,5 | 91,8 | 0,91 | 0,08643 | 128 | 77 |
| | Q2H180M2C | Aluminium | 37,0 | 50,0 | 2965 | 66,2 | 119,6 | 3,4 | 10,1 | 1,0 | 3,1 | 4,5 | 92,5 | 92,5 | 91,2 | 0,87 | 0,10277 | 145 | 77 |
| | Q2H200L2D | Aluminium | 45,0 | 60,0 | 2960 | 76,0 | 145,1 | 3,3 | 9,8 | 0,9 | 2,8 | 5,3 | 92,9 | 93,4 | 92,7 | 0,92 | 0,11910 | 166 | 78 |
| | Q2E225M2C | Aluminium | 55,0 | 75,0 | 2970 | 96,6 | 176,9 | 3,5 | 10,6 | 1,0 | 3,0 | 7,1 | 93,2 | 93,7 | 92,4 | 0,88 | 0,29500 | 244 | 80 |
| | Q2EP250M2C | Cast Iron | 75,0 | 100,0 | 2975 | 127,9 | 240,8 | 3,5 | 10,6 | 0,9 | 2,7 | 6,8 | 93,8 | 93,7 | 92,5 | 0,92 | 0,54000 | 565 | 81 |
| Q2EP280M2D | Cast Iron | 110,0 | 150,0 | 2980 | 192,0 | 352,4 | 2,6 | 7,7 | 1,0 | 2,9 | 3,4 | 94,1 | 93,9 | 92,9 | 0,88 | 0,70200 | 640 | 82 | |
| 4 kutup 1500 d/dak / 4 pole 1500 rpm | | | | | | | | | | | | | | | | | | | |
| 230/400V | Q2H80M4D | Aluminium | 1,1 | 1,5 | 1430 | 2,5 | 7,4 | 5,7 | - | 2,2 | - | 2,6 | 81,4 | 82,4 | 81,6 | 0,80 | 0,00260 | 12 | 48 |
| | Q2H80M4DE | Aluminium | 1,5 | 2,0 | 1427 | 3,3 | 10,0 | 6,4 | - | 2,5 | - | 3,1 | 82,8 | 84,2 | 83,7 | 0,79 | 0,00306 | 14 | 48 |
| | Q2H90L4D | Aluminium | 2,2 | 3,0 | 1437 | 5,3 | 14,6 | 7,6 | - | 3,6 | - | 4,2 | 84,3 | 84,1 | 81,5 | 0,72 | 0,00526 | 18 | 52 |
| | Q2H90L4DE | Aluminium | 3,0 | 4,0 | 1440 | 7,4 | 20,0 | 6,5 | - | 3,3 | - | 3,7 | 85,5 | 85,3 | 83,0 | 0,70 | 0,00690 | 25 | 53 |
| | Q2H100L4D | Aluminium | 4,0 | 5,5 | 1440 | 8,7 | 26,6 | 2,7 | 8,0 | 1,1 | 3,2 | 3,8 | 86,6 | 85,7 | 83,5 | 0,78 | 0,01058 | 31 | 57 |
| | Q2H112M4D | Aluminium | 5,5 | 7,5 | 1445 | 11,6 | 35,5 | 2,7 | 8,0 | 1,0 | 3,0 | 3,8 | 87,7 | 88,3 | 87,3 | 0,79 | 0,01382 | 38 | 58 |
| 400/690V | Q2H132M4D | Aluminium | 11,0 | 15,0 | 1468 | 21,6 | 71,5 | 2,6 | 7,9 | 0,7 | 2,1 | 3,6 | 89,8 | 91,1 | 90,3 | 0,81 | 0,05440 | 76 | 61 |
| | Q2H132M4E | Aluminium | 15,0 | 20,0 | 1462 | 29,8 | 98,0 | 2,6 | 7,8 | 0,6 | 1,8 | 3,4 | 90,6 | 91,4 | 90,9 | 0,80 | 0,05940 | 81 | 63 |
| | Q2H160L4B | Aluminium | 18,5 | 25,0 | 1470 | 36,0 | 120,2 | 2,3 | 6,8 | 0,7 | 2,2 | 2,9 | 91,2 | 92,0 | 91,6 | 0,81 | 0,09005 | 101 | 57 |
| | Q2H160L4C | Aluminium | 22,0 | 30,0 | 1462 | 41,8 | 143,8 | 1,8 | 5,5 | 0,6 | 1,9 | 2,8 | 91,6 | 92,9 | 93,3 | 0,84 | 0,11068 | 115 | 58 |
| | Q2H180L4C | Aluminium | 30,0 | 40,0 | 1475 | 55,3 | 194,6 | 2,7 | 8,2 | 0,9 | 2,7 | 3,5 | 92,0 | 91,9 | 91,4 | 0,85 | 0,14694 | 143 | 70 |
| | Q2H200L4D | Aluminium | 37,0 | 50,0 | 1476 | 72,5 | 240,8 | 2,8 | 8,3 | 0,9 | 2,8 | 3,7 | 92,7 | 93,2 | 92,8 | 0,79 | 0,26440 | 177 | 71 |
| | Q2EP250M4E | Cast Iron | 75,0 | 100,0 | 1485 | 134,2 | 485,7 | 2,6 | 7,8 | 1,0 | 2,9 | 3,4 | 94,0 | 93,9 | 93,2 | 0,86 | 1,06110 | 610 | 72 |
| | Q2EP280M4E | Cast Iron | 110,0 | 150,0 | 1485 | 200,3 | 714,0 | 2,6 | 7,9 | 1,0 | 2,9 | 3,4 | 94,5 | 94,3 | 93,1 | 0,84 | 1,25200 | 688 | 73 |

* IEC 60034-2-1'e göre / According to IEC 60034-2-1

** Ses Basınç Seviyeleri motordan 1m uzaklıktan ölçülmüştür. / The sound pressure measurements are taken 1m away from the motor

*** Tolerans +3 dBA / Tolerance +3 dBA

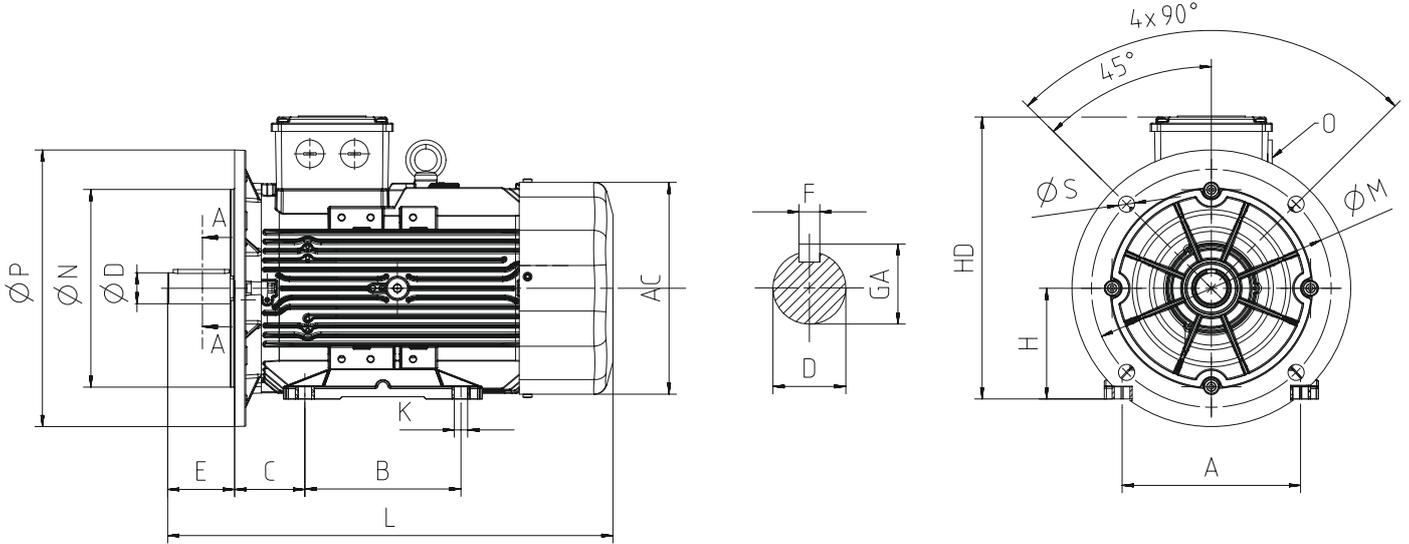
BOYUTLAR - B3 / DIMENSION - B3



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | | Rulman Bearing | | Keçe Seal | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|------|-------|--|-----|-----|-----|------|--------------|------------------|-----|------|-------------------|---------------------------------|---|---------------------------------|---|
| | | | | AC | L | O | B | A | H | HD | K | C | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non Drive Side |
| 1,1 | 4 | Q2H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 1,5 | 2 | Q2H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 1,5 | 4 | Q2H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 2,2 | 2 | Q2H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 50 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 |
| 2,2 | 4 | Q2H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 3,0 | 2 | Q2H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 3,0 | 4 | Q2H90L4DE | Aluminium | 172 | 379 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 56 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 |
| 4,0 | 2 | Q2HS100L2C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 4,0 | 4 | Q2H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 63 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 5,5 | 2 | Q2HS112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 5,5 | 4 | Q2H112M4D | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 |
| 7,5 | 2 | Q2HS112M2D | Aluminium | 191 | 421 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 70 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 |
| 11,0 | 2 | Q2H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 11,0 | 4 | Q2H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 15,0 | 2 | Q2H132M2B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 15,0 | 4 | Q2H132M4E | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 18,5 | 2 | Q2H132M2C | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 89 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 |
| 18,5 | 4 | Q2H160L4B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 22,0 | 2 | Q2H160L2C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 22,0 | 4 | Q2H160L4C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 108 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 |
| 30,0 | 2 | Q2H180M2B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 30,0 | 4 | Q2H180L4C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 37,0 | 2 | Q2H180M2C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 121 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 |
| 37,0 | 4 | Q2H200L4D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 45,0 | 2 | Q2H200L2D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 133 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 |
| 55,0 | 2 | Q2E225M2C | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 149 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 |
| 75,0 | 2 | Q2EP250M2C | Cast Iron | 489 | 893 | 1xM50 | 311-349 | 406 | 250 | 616 | 30 | 149 | 60 | 140 | 64,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 75,0 | 4 | Q2EP250M4E | Cast Iron | 489 | 893 | 1xM50 | 311-349 | 406 | 250 | 616 | 30 | 149 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 110,0 | 2 | Q2EP280M2D | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 190 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |
| 110,0 | 4 | Q2EP280M4E | Cast Iron | 489 | 1025 | 1xM50 | 368-419 | 457 | 280 | 647 | 24 | 130 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm
(2) DIN 6885'e göre / According to DIN 6885

BOYUTLAR - B5, B35 / DIMENSION - B5, B35



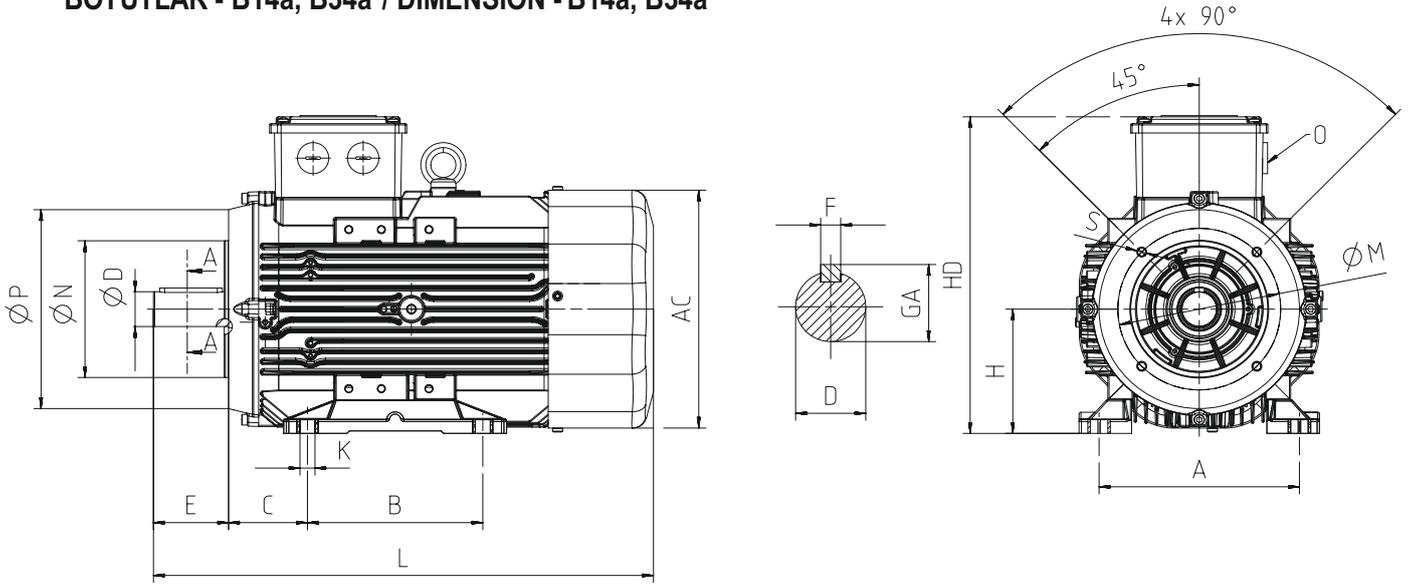
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FA) (B5) Flange (FA) (B5) | | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|------|-------|--|-----|-----|-----|------|------------------|-----|------|-------------------|---------------------------------|--|---------------------------------|--|-----|------------------|-----|---|------|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksli Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksli Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q2H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10,0 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12,0 |
| 1,5 | 2 | Q2H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10,0 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12,0 |
| 1,5 | 4 | Q2H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10,0 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12,0 |
| 2,2 | 2 | Q2H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10,0 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 200 | 130 | 165 | - | 12,0 |
| 2,2 | 4 | Q2H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10,0 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12,0 |
| 3,0 | 2 | Q2H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10,0 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12,0 |
| 3,0 | 4 | Q2H90L4DE | Aluminium | 172 | 379 | 1xM25 | 100-125 | 140 | 90 | 223 | 10,0 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 200 | 130 | 165 | - | 12,0 |
| 4,0 | 2 | Q2HS100L2C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12,0 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 4,0 | 4 | Q2H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12,0 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 5,5 | 2 | Q2HS112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12,0 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 5,5 | 4 | Q2H112M4D | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12,0 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 250 | 180 | 215 | - | 14,5 |
| 7,5 | 2 | Q2HS112M2D | Aluminium | 191 | 421 | 1xM25 | 140 | 190 | 112 | 254 | 12,0 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 250 | 180 | 215 | - | 14,5 |
| 11,0 | 2 | Q2H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12,0 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 11,0 | 4 | Q2H132M4D | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12,0 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 15,0 | 2 | Q2H132M2B | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12,0 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 15,0 | 4 | Q2H132M4E | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12,0 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 18,5 | 2 | Q2H132M2C | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12,0 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 300 | 230 | 265 | - | 14,5 |
| 18,5 | 4 | Q2H160L4B | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 22,0 | 2 | Q2H160L2C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 22,0 | 4 | Q2H160L4C | Aluminium | 305 | 591 | 1xM32 | 210-254 | 254 | 160 | 368 | 14,5 | 42 | 110 | 45,0 | 12 | 6309-ZZ | 6209-ZZ | 45*72*10 | 45*72*10 | 350 | 250 | 300 | - | 18,5 |
| 30,0 | 2 | Q2H180M2B | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 30,0 | 4 | Q2H180L4C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 37,0 | 2 | Q2H180M2C | Aluminium | 349 | 696 | 1xM40 | 241-279 | 279 | 180 | 437 | 14,5 | 48 | 110 | 51,5 | 14 | 6310-ZZ | 6310-ZZ | 50*80*10 | 50*80*10 | 350 | 250 | 300 | - | 18,5 |
| 37,0 | 4 | Q2H200L4D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 45,0 | 2 | Q2H200L2D | Aluminium | 349 | 759 | 1xM50 | 267-305 | 318 | 200 | 455 | 18,5 | 55 | 110 | 59,0 | 16 | 6312-ZZ | 6310-ZZ | 60*90*10 | 60*90*10 | 400 | 300 | 350 | - | 18,5 |
| 55,0 | 2 | Q2E225M2C | Aluminium | 456 | 735 | 1xM50 | 286-311 | 356 | 225 | 485 | 18,5 | 55 | 110 | 59,0 | 16 | 6313-ZZ | 6313-ZZ | 65*100*13 | 65*100*13 | 450 | 350 | 400 | - | 18,5 |
| 75,0 | 2 | Q2EP250M2C | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24,0 | 60 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 75,0 | 4 | Q2EP250M4E | Cast Iron | 489 | 893 | 1xM50 | 349 | 406 | 250 | 616 | 24,0 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 110,0 | 2 | Q2EP280M2D | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24,0 | 65 | 140 | 69,0 | 18 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |
| 110,0 | 4 | Q2EP280M4E | Cast Iron | 489 | 1025 | 1xM50 | 419 | 457 | 280 | 647 | 24,0 | 75 | 140 | 79,5 | 20 | 6316-Z | 6316-Z | 80*100*10 | 80*100*10 | 550 | 450 | 500 | - | 18,5 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14a, B34a / DIMENSION - B14a, B34a



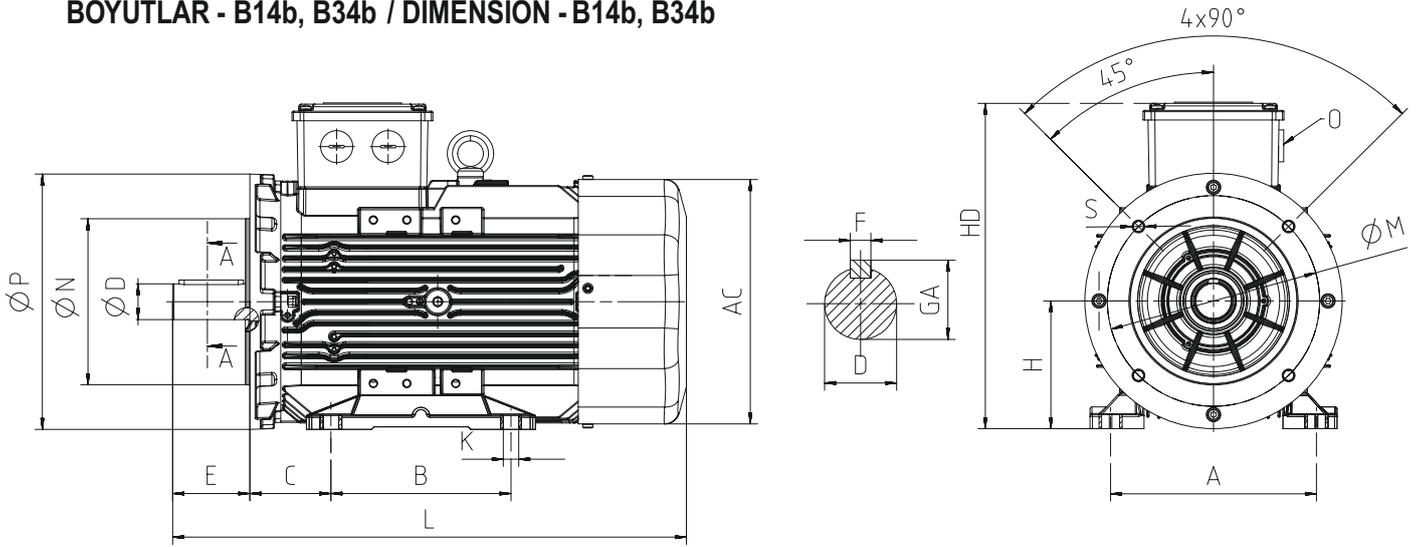
| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | Rulman Bearing | | Keçe Seal | | Flanş (FC) (B14a) Flange (FC) (B14a) | | | | | | |
|----------------|------------------------------|-----------------------|-------------------------|------------------------------|-----|-------|-------------------------------------|-----|-----|-----|----|------------------|----|----------------|------------------|--------------------------|-----------------------------------|--------------------------------------|-----------------------------------|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | Kasnak Tarafı Drive Side | Kasnak Tarafı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q2H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 1,5 | 2 | Q2H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 1,5 | 4 | Q2H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 2,2 | 2 | Q2H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 120 | 80 | 100 | - | M6 |
| 2,2 | 4 | Q2H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 3,0 | 2 | Q2H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 3,0 | 4 | Q2H90L4DE | Aluminium | 172 | 379 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 140 | 95 | 115 | - | M8 |
| 4,0 | 2 | Q2HS100L2C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4,0 | 4 | Q2H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 5,5 | 2 | Q2HS112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 5,5 | 4 | Q2H112M4D | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 160 | 110 | 130 | - | M8 |
| 7,5 | 2 | Q2HS112M2D | Aluminium | 191 | 421 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 11,0 | 2 | Q2H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 11,0 | 4 | Q2H132M4D | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 15,0 | 2 | Q2H132M2B | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 15,0 | 4 | Q2H132M4E | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |
| 18,5 | 2 | Q2H132M2C | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 200 | 130 | 165 | - | M10 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

BOYUTLAR - B14b, B34b / DIMENSION - B14b, B34b



| Güç Power (kW) | Kutup sayısı Number of Poles | Motor Tipi Motor Type | Gövde Tipi Housing Type | Ana Boyutlar Main Dimensions | | | Ayaklı Motorlar Foot Mounted Motors | | | | | Mil Shaft | | | Rulman Bearing | | Keçe Seal | | Flanş (FB) (B14b) Flange (FB) (B14b) | | | | | |
|----------------------|---------------------------------------|--------------------------|----------------------------------|---------------------------------|-----|-------|--|-----|-----|-----|----|------------------|----|------|-------------------|---------------------------------|---|---------------------------------|---|-----|------------------|-----|---|-----|
| | | | | AC | L | O | B | A | H | HD | K | D ⁽¹⁾ | E | GA | F ⁽²⁾ | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | Kasnak Taraflı Drive Side | Kasnak Taraflı Aksı Non drive Side | P | N ⁽³⁾ | M | R | S |
| 1,1 | 4 | Q2H80M4D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 2 | Q2H80M2D | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 1,5 | 4 | Q2H80M4DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 2 | Q2H80M2DE | Aluminium | 158 | 268 | 1xM20 | 100 | 125 | 80 | 216 | 10 | 19 | 40 | 21,5 | 6 | 6204-ZZ | 6204-ZZ | 20*30*7 | 20*30*7 | 160 | 110 | 130 | - | M8 |
| 2,2 | 4 | Q2H90L4D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3,0 | 2 | Q2H90L2D | Aluminium | 172 | 344 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 3,0 | 4 | Q2H90L4DE | Aluminium | 172 | 379 | 1xM25 | 100-125 | 140 | 90 | 223 | 10 | 24 | 50 | 27,0 | 8 | 6305-ZZ | 6205-ZZ | 25*40*7 | 25*40*7 | 160 | 110 | 130 | - | M8 |
| 4,0 | 2 | Q2HS100L2C | Aluminium | 172 | 384 | 1xM25 | 140 | 160 | 100 | 233 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 4,0 | 4 | Q2H100L4D | Aluminium | 191 | 400 | 1xM25 | 140 | 160 | 100 | 243 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 2 | Q2HS112M2C | Aluminium | 191 | 399 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 5,5 | 4 | Q2H112M4D | Aluminium | 210 | 421 | 1xM25 | 140 | 190 | 112 | 265 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6206-ZZ | 30*47*7 | 30*47*7 | 200 | 130 | 165 | - | M10 |
| 7,5 | 2 | Q2HS112M2D | Aluminium | 191 | 421 | 1xM25 | 140 | 190 | 112 | 254 | 12 | 28 | 60 | 31,0 | 8 | 6306-ZZ | 6205-ZZ | 30*47*7 | 25*40*7 | 200 | 130 | 165 | - | M10 |
| 11,0 | 2 | Q2H132M2A | Aluminium | 260 | 481 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 11,0 | 4 | Q2H132M4D | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 15,0 | 2 | Q2H132M2B | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 15,0 | 4 | Q2H132M4E | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |
| 18,5 | 2 | Q2H132M2C | Aluminium | 260 | 539 | 1xM32 | 140-178 | 216 | 132 | 312 | 12 | 38 | 80 | 41,0 | 10 | 6208-ZZ | 6208-ZZ | 40*62*10 | 40*62*10 | 250 | 180 | 215 | - | M12 |

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6" / Tolerance DIN EN 50347 "j6" up to 28mm, "k6" above 28mm

(2) DIN 6885'e göre / According to DIN 6885

(3) Tolerans DIN EN 50347 "j6" / Tolerance DIN EN 50347 "j6"

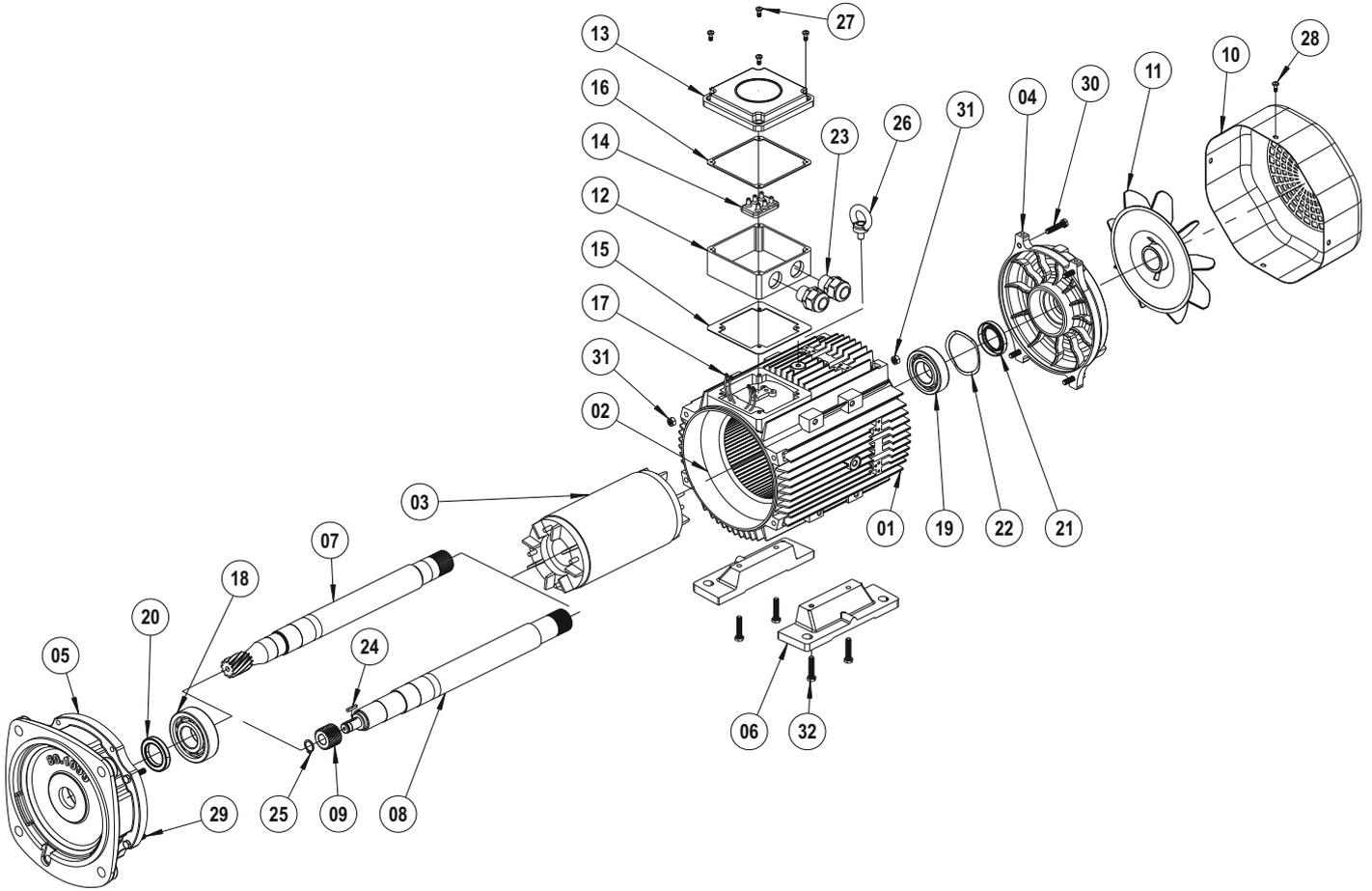


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TR MOTOR PARÇA LİSTESİ

EN MOTOR PART LIST

DE ERSATZTEILLISTE FÜR MOTOR



- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Motor Arka Kapağı
- 05 PGR Motor Bağlantı Flanşı
- 06 Ayak
- 07 Motor Mili (Yekpare)
- 08 Motor Mili (Çakma)
- 09 Z1 Dişlisi
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yay
- 23 Rakor
- 24 Kama
- 25 Segman
- 26 Mapa
- 27 Yıldız Başlı Civata
- 28 Yıldız Başlı Civata
- 29 Civata DIN 933
- 30 Civata DIN 933
- 31 Somun
- 32 Civata DIN 933

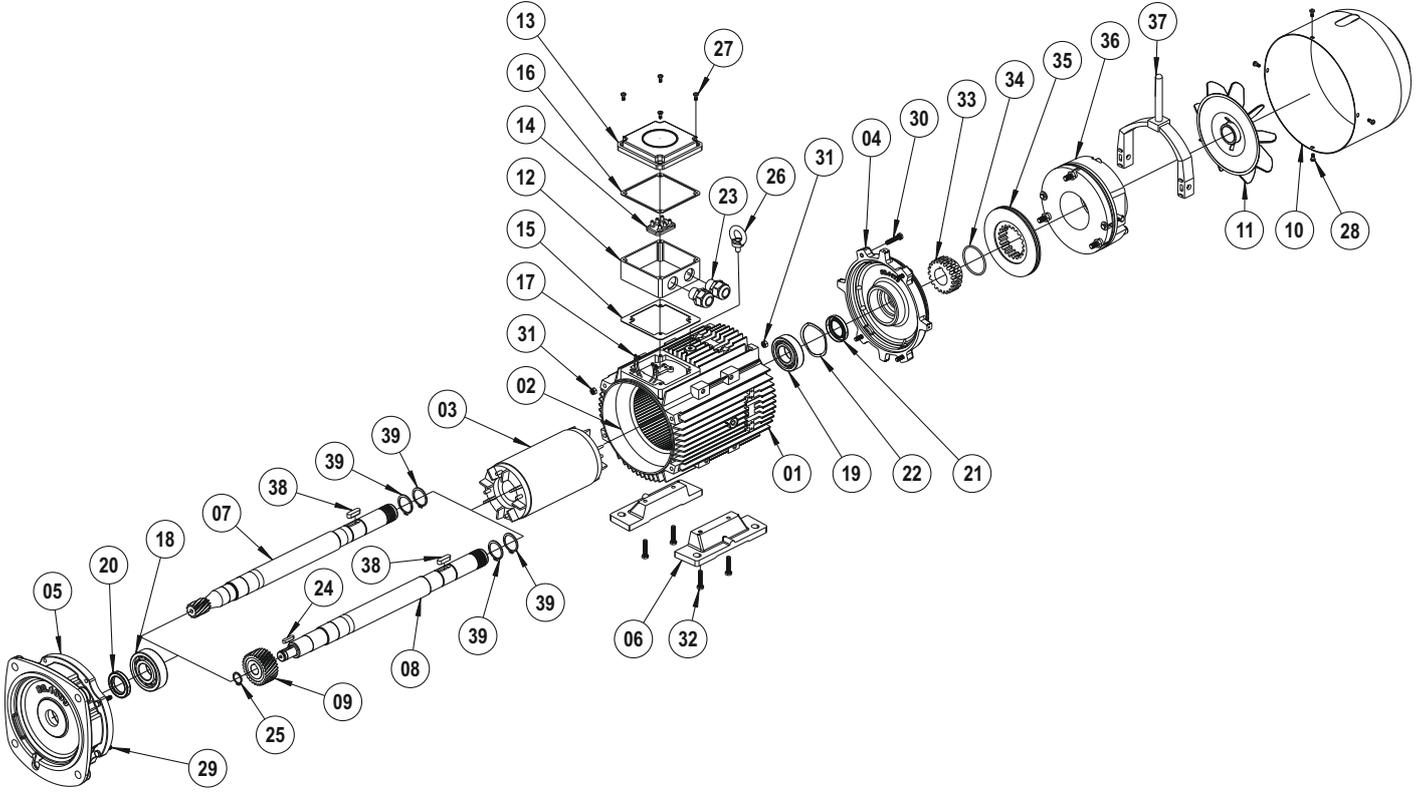
- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Nondrive - Endshield
- 05 Motor Connection Flange
- 06 Foot
- 07 Drive Shaft (Gearcut)
- 08 Drive Shaft (Plain)
- 09 Z1 Gear
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Ball Bearing (Drive-Side)
- 19 Ball Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Circlip DIN 471
- 26 Eye Bolt
- 27 Pan Head Secrews
- 28 Pan Head Secrews
- 29 Bolt
- 30 Bolt
- 31 Nut
- 32 Bolt

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 B-Lagerschild
- 05 Motor-Anschlussflansch
- 06 Fuß
- 07 Antriebswelle (verzahnt)
- 08 Antriebswelle (glatt)
- 09 Antriebsritzel
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Sicherungsring DIN 471
- 26 Augenschraube
- 27 Kreuzschlitzschraube
- 28 Kreuzschlitzschraube
- 29 Schraube DIN 933
- 30 Schraube DIN 933
- 31 Schraubenmutter
- 32 Schraube DIN 933

TR FRENLİ MOTOR PARÇA LİSTESİ

EN BRAKE MOTOR PART LIST

DE ERSATZTEILLISTE FÜR MOTOR MIT BREMSE



- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Fren Flanşı
- 05 PGR Motor Bağlantı Flanşı
- 06 Ayak
- 07 Motor Mili (Yekpare)
- 08 Motor Mili (Çakma)
- 09 Z1 Dişlisi
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yayı
- 23 Rakor
- 24 Kama
- 25 Segman
- 26 Mapa
- 27 Yıldız Başlı Civata
- 28 Yıldız Başlı Civata
- 29 Civata DIN 933
- 30 Civata DIN 933
- 31 Somun
- 32 Civata DIN 933
- 33 Fren Kaplini
- 34 O-Ring
- 35 Fren Balatası
- 36 Fren
- 37 Manuel Kolu
- 38 Kama
- 39 Segman DIN 471

- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Brake Connection Flange
- 05 Motor Connection Flange
- 06 Foot
- 07 Drive Shaft (Gearcut)
- 08 Drive Shaft (Plain)
- 09 Z1 Gear
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Ball Bearing (Drive-Side)
- 19 Ball Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Circlip DIN 471
- 26 Eye Bolt
- 27 Pan Head Screws
- 28 Pan Head Screws
- 29 Bolt
- 30 Bolt
- 31 Nut
- 32 Bolt
- 33 Coupling
- 34 O-Ring
- 35 Brake Lining
- 36 Brake
- 37 Hand Release
- 38 Key
- 39 Circlip DIN 471

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 Bremsflansch
- 05 Motor-Anschlussflansch
- 06 Fuß
- 07 Antriebswelle (verzahnt)
- 08 Antriebswelle (glatt)
- 09 Antriebsritzel
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Sicherungsring DIN 471
- 26 Augenschraube
- 27 Kreuzschlitzschraube
- 28 Kreuzschlitzschraube
- 29 Schraube DIN 933
- 30 Schraube DIN 933
- 31 Schraubenmutter
- 32 Schraube DIN 933
- 33 Kupplung
- 34 O-Ring
- 35 Bremsbelag
- 36 Bremse
- 37 Handauslöser
- 38 Passfeder
- 39 Sicherungsring DIN 471

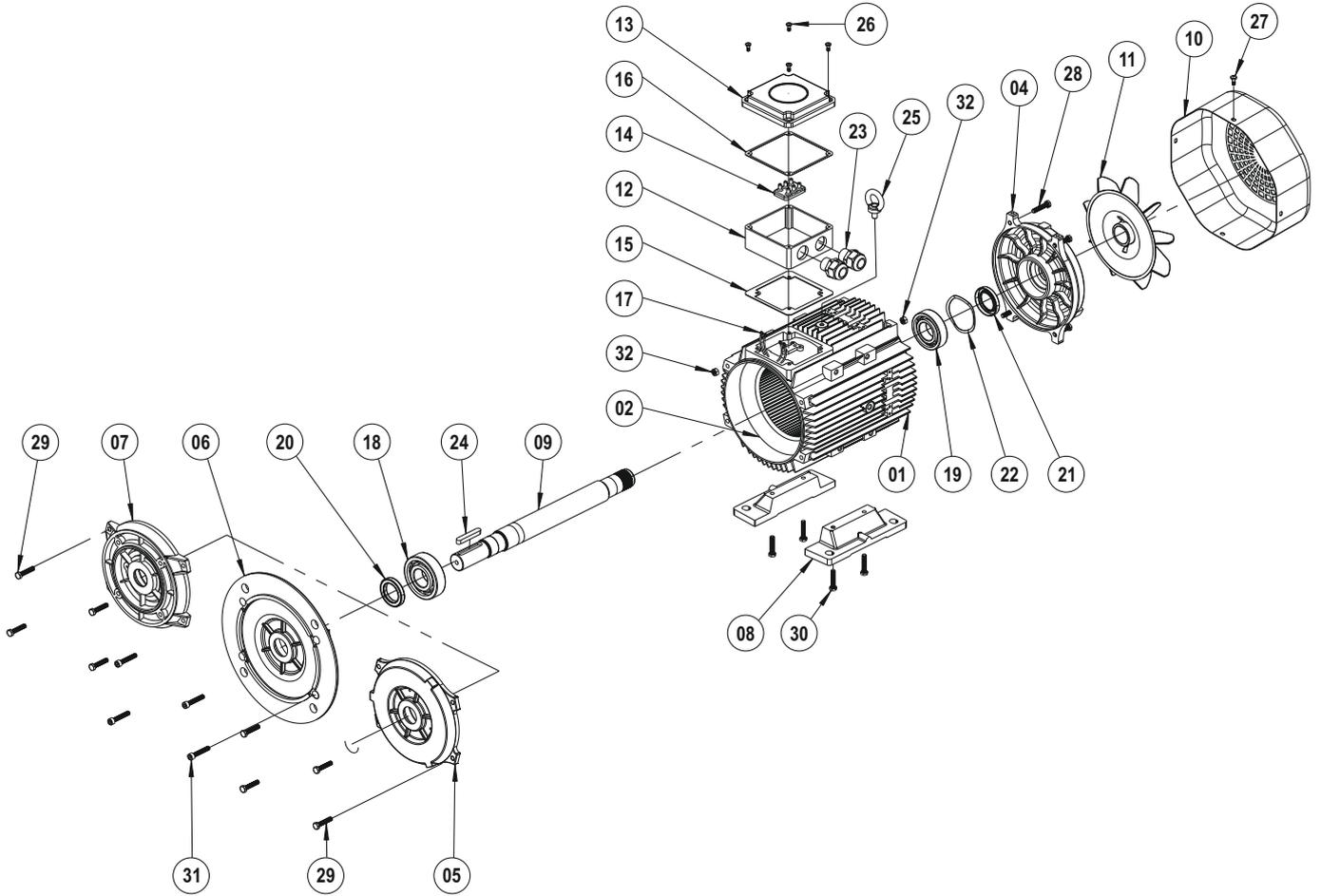
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**B3-B5-B14 FLANŞLI MOTOR
 PARÇA LİSTESİ**

EN

B3-B5-B14 FLANGE MOTOR PART LIST

DE

**ERSATZTEILLISTE FÜR MOTOR
 MIT B3-B5-B14-FLANSCH**


- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Motor Arka Kapağı
- 05 B3 Motor Bağlantı Flanşı
- 06 B5 Motor Bağlantı Flanşı
- 07 B14 Motor Bağlantı Flanşı
- 08 Ayak
- 09 Motor Mili (Standart)
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yay
- 23 Rakor
- 24 Kama
- 25 Mapa
- 26 Yıldız Başlı Civata
- 27 Yıldız Başlı Civata
- 28 Civata DIN 933
- 29 Civata DIN 933
- 30 Civata DIN 933
- 31 Civata DIN 912
- 32 Somun

- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Nondrive - Endshield
- 05 Flange
- 06 Flange
- 07 Flange
- 08 Foot
- 09 Drive Shaft (standard)
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Ball Bearing (Drive-Side)
- 19 Ball Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Eye Bolt
- 26 Pan Head Screws
- 27 Pan Head Screws
- 28 Bolt
- 29 Bolt
- 30 Bolt
- 31 Bolt
- 32 Nut

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 B-Lagerschild
- 05 B3 Flansch
- 06 B5 Flansch
- 07 B14 Flansch
- 08 Fuß
- 09 Antriebswelle (standart)
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Augenschraube
- 26 Kreuzschlitzschraube
- 27 Kreuzschlitzschraube
- 28 Schraube DIN 933
- 29 Schraube DIN 933
- 30 Schraube DIN 933
- 31 Schraube DIN 912
- 32 Schraubenmutter

TR

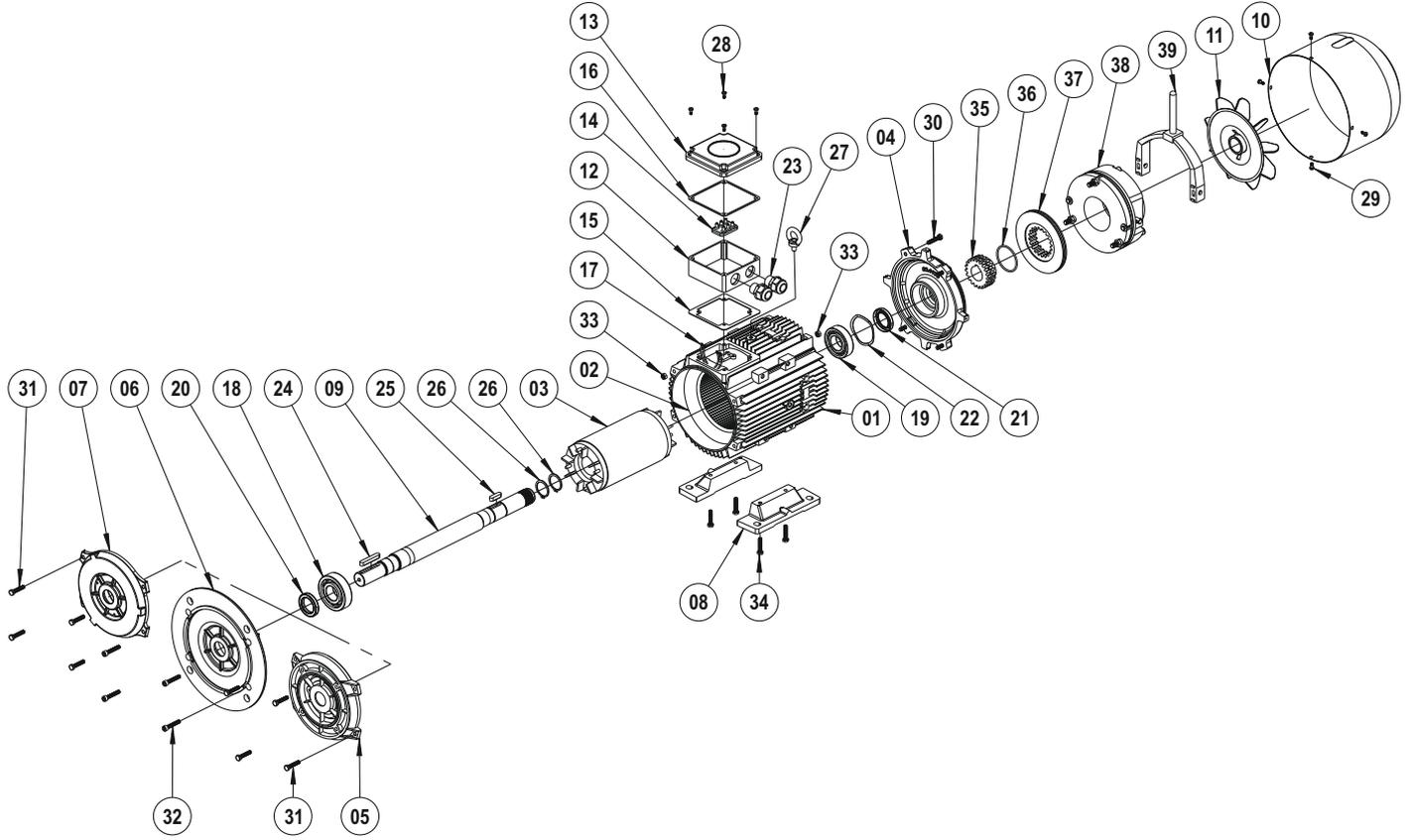
FRENLİ B3-B5-B14 FLANŞLI
MOTOR PARÇA LİSTESİ

EN

BRAKE B3-B5-B14 FLANGE
MOTOR PART LIST

DE

ERSATZTEILLISTE FÜR MOTOR MIT
BREMSE UND B3-B5-B14-FLANSCH



- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Fren Flanşı
- 05 B3 Motor Bağlantı Flanşı
- 06 B5 Motor Bağlantı Flanşı
- 07 B14 Motor Bağlantı Flanşı
- 08 Ayak
- 09 Motor Mili (Standart)
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yayısı
- 23 Rakor
- 24 Kama
- 25 Kama
- 26 Segman
- 27 Mapa
- 28 Yıldız Başlı Civata
- 29 Yıldız Başlı Civata
- 30 Civata DIN 933
- 31 Civata DIN 933
- 32 Civata DIN 912
- 33 Somun
- 34 Civata DIN 933
- 35 Fren Kaplini
- 36 O-Ring
- 37 Fren Balatası
- 38 Fren
- 39 Manuel Kolu

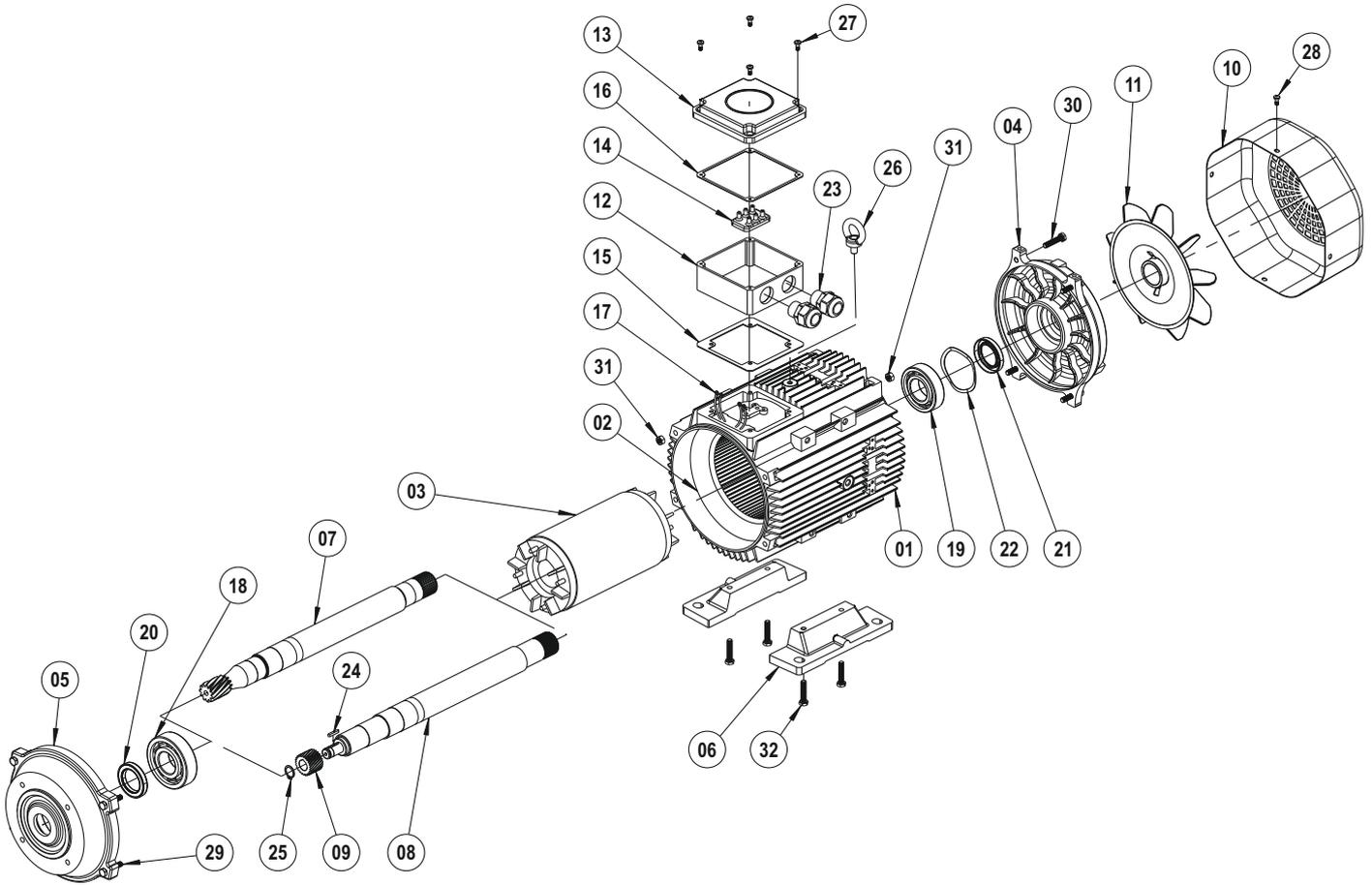
- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Brake Connection Flange
- 05 B3 Flange
- 06 Flange
- 07 Flange
- 08 Foot
- 09 Drive Shaft (standard)
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Bal Bearing (Drive-Side)
- 19 Bal Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Key
- 26 Circlip DIN 471
- 27 Eye Bolt
- 28 Pan Head Screws
- 29 Pan Head Screws
- 30 Bolt
- 31 Bolt
- 32 Bolt
- 33 Nut
- 34 Bolt
- 35 Brake Coupling
- 36 O-Ring
- 37 Brake Lining
- 38 Brake
- 39 Hand Release

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 Bremsflansch
- 05 B3 Flansch
- 06 B5 Flansch
- 07 B14 Flansch
- 08 Fuß
- 09 Antriebswelle (standart)
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Passfeder
- 26 Sicherungsring DIN 471
- 27 Augenschraube
- 28 Kreuzschlitzschraube
- 29 Kreuzschlitzschraube
- 30 Schraube DIN 933
- 31 Schraube DIN 933
- 32 Schraube DIN 912
- 33 Schraubenmutter
- 34 Schraube DIN 933
- 35 Kupplung
- 36 O-Ring
- 37 Bremsbelag
- 38 Bremse
- 39 Handauslöser

TR MOTOR PARÇA LİSTESİ

EN THE MOTOR PART LIST

DE ERSATZTEILLISTE FÜR MOTOR



- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Motor Arka Kapağı
- 05 PGR Motor Bağlantı Flanşı
- 06 Ayak
- 07 Motor Mili (Yekpare)
- 08 Motor Mili (Çakma)
- 09 Z1 Dişlisi
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yayı
- 23 Rakor
- 24 Kama
- 25 Segman
- 26 Mapa
- 27 Yıldız Başlı Civata
- 28 Yıldız Başlı Civata
- 29 Civata DIN 933
- 30 Civata DIN 933
- 31 Somun
- 32 Civata DIN 933

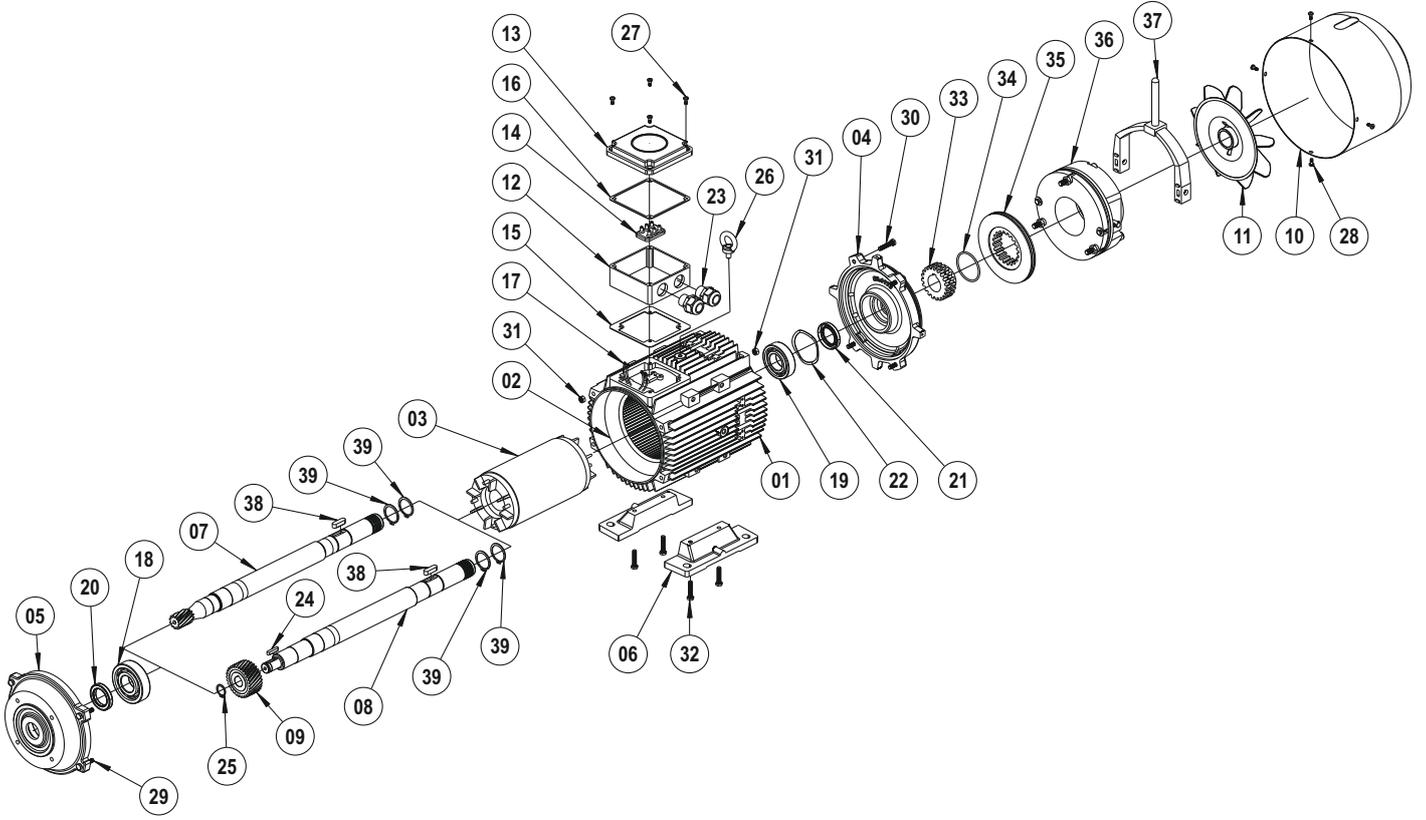
- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Nondrive - Endshield
- 05 Motor Connection Flange
- 06 Foot
- 07 Drive Shaft (Gearcut)
- 08 Drive Shaft (Plain)
- 09 Z1 Gear
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Ball Bearing (Drive-Side)
- 19 Ball Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Circlip DIN 471
- 26 Eye Bolt
- 27 Pan Head Screws
- 28 Pan Head Screws
- 29 Bolt
- 30 Bolt
- 31 Nut
- 32 Bolt

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 B-Lagerschild
- 05 Motor-Anschlussflansch
- 06 Fuß
- 07 Antriebswelle (verzahnt)
- 08 Antriebswelle (glatt)
- 09 Antriebsritzel
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Sicherungsring DIN 471
- 26 Augenschraube
- 27 Kreuzschlitzschraube
- 28 Kreuzschlitzschraube
- 29 Schraube DIN 933
- 30 Schraube DIN 933
- 31 Schraubenmutter
- 32 Schraube DIN 933

TR FRENLİ MOTOR PARÇA LİSTESİ

EN THE MOTOR PART LIST WITH BRAKE

DE ERSATZTEILLISTE FÜR MOTOR MIT BREMSE

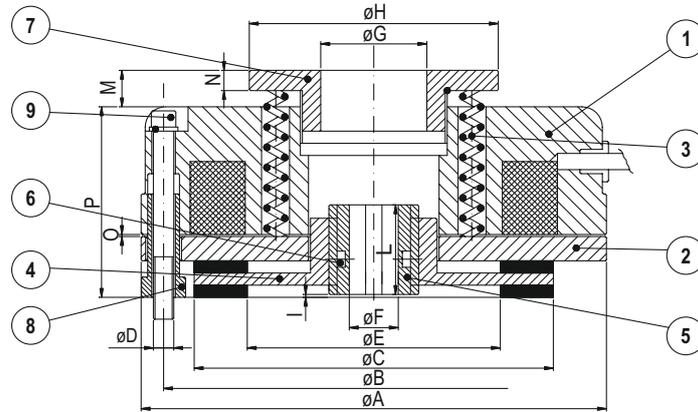


- 01 Gövde
- 02 Sargılı Stator
- 03 Rotor
- 04 Fren Flanşı
- 05 PGR Motor Bağlantı Flanşı
- 06 Ayak
- 07 Motor Mili (Yekpare)
- 08 Motor Mili (Çakma)
- 09 Z1 Dişlisi
- 10 Fan Kapağı
- 11 Fan
- 12 Terminal Kutusu
- 13 Terminal Kutu Kapağı
- 14 Klemens Plakası
- 15 Terminal Contası Alt
- 16 Terminal Contası Üst
- 17 Kablo Grubu
- 18 Ön Rulman
- 19 Arka Rulman
- 20 Keçe (Ön)
- 21 Keçe (Arka)
- 22 Rulman Gergi Yay
- 23 Rakor
- 24 Kama
- 25 Segman
- 26 Mapa
- 27 Yıldız Başlı Civata
- 28 Yıldız Başlı Civata
- 29 Civata DIN 933
- 30 Civata DIN 933
- 31 Somun
- 32 Civata DIN 933
- 33 Fren Kaplini
- 34 O-Ring
- 35 Fren Balatası
- 36 Fren
- 37 Manuel Kolu
- 38 Kama
- 39 Segman

- 01 Housing
- 02 Wound Stator
- 03 Rotor
- 04 Brake Connection Flange
- 05 Flange
- 06 Foot
- 07 Drive Shaft (Gearcut)
- 08 Drive Shaft (Plain)
- 09 Z1 Gear
- 10 Fan Cover
- 11 Fan
- 12 Terminal Box
- 13 Terminal Box Cover
- 14 Terminal Plate
- 15 Terminal Gasket Down
- 16 Terminal Gasket Up
- 17 Lead Cables
- 18 Ball Bearing (Drive-Side)
- 19 Ball Bearing (Non-Drive-Side)
- 20 Seal Ring (Front)
- 21 Seal Ring (Back)
- 22 Bearing Shim
- 23 Conduit
- 24 Key
- 25 Circlip DIN 471
- 26 Eye Bolt
- 27 Pan Head Screws
- 28 Pan Head Screws
- 29 Bolt
- 30 Bolt
- 31 Nut
- 32 Bolt
- 33 Coupling
- 34 O-Ring
- 35 Brake Lining
- 36 Brake
- 37 Hand Release
- 38 Key
- 39 Circlip DIN 471

- 01 Gehäuse
- 02 gewickelter Stator
- 03 Rotor
- 04 Bremsflansch
- 05 Motor-Anschlussflansch
- 06 Fuß
- 07 Antriebswelle (verzahnt)
- 08 Antriebswelle (glatt)
- 09 Antriebsritzel
- 10 Lüfterhaube
- 11 Lüfter
- 12 Klemmkasten
- 13 Klemmkastendeckel
- 14 Anschlussplatte
- 15 Klemmkastendichtung unten
- 16 Klemmkastendichtung oben
- 17 Kabelbaum
- 18 Kugellager (Antriebsseite)
- 19 Kugellager (Nicht-Antriebsseite)
- 20 Dichtungsring (Vorne)
- 21 Dichtungsring (Hinten)
- 22 Stützscheibe
- 23 Gewindemuffe
- 24 Passfeder
- 25 Sicherungsring DIN 471
- 26 Augenschraube
- 27 Kreuzschlitzschraube
- 28 Kreuzschlitzschraube
- 29 Schraube DIN 933
- 30 Schraube DIN 933
- 31 Schraubenmutter
- 32 Schraube DIN 933
- 33 Kupplung
- 34 O-Ring
- 35 Bremsbelag
- 36 Bremse
- 37 Handauslöser
- 38 Passfeder
- 39 Sicherungsring DIN 471

| | | |
|-----------------------|--------------------|----------------------|
| TR FREN PARÇA LİSTESİ | EN BRAKE PART LIST | DE BREMSE-TEILELISTE |
|-----------------------|--------------------|----------------------|



- 1 Elektromagnat
- 2 Endüvi plakası
- 3 Tork yayı
- 4 Disk
- 5 Kamalı burç
- 6 O-ring
- 7 Ayar halkası
- 8 Ayar somunu
- 9 Bağlantı civataları

- 1 Electromagnet
- 2 Armature plate
- 3 Torque springs
- 4 Disc
- 5 Splined hub
- 6 O-ring
- 7 Adjuster rings
- 8 Adjuster nuts
- 9 Fixing screws

- 1 Elektromagnet
- 2 Ankerplatte
- 3 Bremsfeder
- 4 Scheibe
- 5 Nabe
- 6 O-Ring
- 7 Einstellring
- 8 Einstellschraube
- 9 Feststellschraube

| Tip / Type / Typ Fren Modeli / Brake Model / Bremsmodell | K1 | K2 | K3 | K4 | K5 | K6 | K7 | K7/D | K8 | K8/D | K9 | K9/D | K9/T |
|--|-------------|-------------|-------|-------|-------------|-------------|-------------|------------------|-------|--------------|-------------|-------------|----------------|
| Statik Fren Momenti / Static Braking Torque / Statisches Bremsmoment (Nm) | 5 | 12 | 16 | 20 | 40 | 60 | 90 | 180 | 200 | 400 | 300 | 600 | 900 |
| Motorun Max. Hızı / Max Speed of the motor / Höchstgeschwindigkeit des Motors (rpm) | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 3000 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Giriş Gücü / Input Power / Eingangsleistung (W) | 15 | 20 | 25 | 30 | 45 | 50 | 55 | 55 | 60 | 60 | 65 | 65 | 65 |
| Max. Ses / Max noisiness / Maximale lautheit (≤dB-A) | 68 | 69 | 68 | 69 | 70 | 70 | 70 | 70 | 70 | 69 | 69 | 69 | 70 |
| Ağırlık / Weight / Gewicht (Kg.) | 1,1 | 1,85 | 2,55 | 2,84 | 4,8 | 7 | 12 | 15 | 14,3 | 18 | 23 | 28 | 34 |
| A | 84 | 104 | 114 | 124 | 148 | 159 | 189 | 189 | 218 | 218 | 248 | 248 | 248 |
| B | 72 | 90 | 103 | 112 | 132 | 145 | 170 | 170 | 196 | 196 | 230 | 230 | 230 |
| C | 61 | 77 | 88 | 98 | 119 | 128 | 151 | 151 | 176 | 176 | 204 | 204 | 204 |
| D | 3xM4 | 3xM5 | 3xM5 | 3xM6 | 3xM6 | 3xM8 | 3xM8 | 3xM8 | 6xM10 | 6xM10 | 6xM10 | 6xM10 | 9xM10 |
| Delik toleransı K3'e kadar H7, diğerleri + 0,01/-0,01 Tolerance hole till size K3 H7, others + 0,01/-0,01 Bohrungstoleranz bis Grösse K3 H7, andere + 0,01/-0,01 | E | 35 | 44 | 62 | 69 | 79 | 80 | 90 | 103 | 103 | 132 | 132 | 132 |
| F | 10-11 12 | 11-14 15 | 11-15 | 14-25 | 24-25 28 | 25-30 34 | 25-30 34 | 25 H40 34 H60 | 24-34 | 34 H60 48 | 44-45 48 | 44-45 48 | 44-45 48-50 |
| G | 20 | 26 | 26 | 42 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| H | 50 | 61 | 61 | 79 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 | 104 |
| I | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 | 1,5 |
| L | 18 | 20 | 20 | 20 | 25 | 30 | 30 | 60 | 40 | 60 | 40 | 60 | 80 |
| M (max) | 9 | 9 | 9 | 9,5 | 18 | 16 | 14 | 14 | 18 | 18 | 18 | 18 | 18 |
| N | 4 | 4 | 4 | 5,5 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| O | 0,2 | 0,2 | 0,2 | 0,2 | 0,3 | 0,3 | 0,3 | 0,3 | 0,3 | 0,4 | 0,4 | 0,4 | 0,4+0,5 |
| P | 38,5 | 41,5 | 47 | 46,5 | 64 | 69,5 | 79 | 101,5 | 78 | 98 | 80 | 105 | 130 |

Not : Fren çalıştırılmadan önce statik fren momenti tabloda verilen değerlere göre ± % 20 değişiklik gösterebilir.

Note : The brake before running in, the static braking torque value could change by +20% from the reported value.

Notizen : Bevor die Bremse eingefahren ist, kann das statische Bremsmoment um etwa ± 20 % vom Tabellenwert abweichen.



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POLAT GROUP REDÜKTÖR SAN. ve TİC. A.Ş.

- ATA OSB Mah. Astim 1.Cad. No: 4 Efeler - Aydın / TÜRKİYE
- T: +90 256 231 19 12 • F: +90 256 231 19 17 • info@pgr.com.tr • www.pgr.com.tr

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