PGR®

DRIVE TECHNOLOGIES

İÇİNDEKİLER / CONTENTS

KALİTE POLİTİKAMIZ

POLAT GROUP REDÜKTÖR A.Ş. ürünlerinin kalitesinde en iyiyi yakalamak için; 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 arttırmayı ve bu şekilde kalite yönetim sistemini sürekli iyileştirmeyi kalite 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.

OUR QUALITY POLICY

To achieve the best quality of its products, POLAT GROUP REDÜKTÖR A.Ş. adopts with its own quality politics by following the technological developments of its sector, in order to keep up the stabilization on its own market share ensuring the customers' gladness increasing permanently by answering the customers' wishes and expectations completely at the right time, to have the well-educated staffs increase their performance by providing a peaceful working place and making better the quality management system all the time.

OUR VISION

Our vision is to become a world company which keeps the customer satisfaction at the top level and which does not only follow the developments but also creates the developments itself.

OUR MISSION

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

Our reducer group carries out is works using simultaneous engineering methods in order to meet the demands of our customers by presenting several different product ranges. Promotion 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.

TR TEKNİK AÇIKLAMALAR

Dişli Ünitesini Seçme

Bir dişli ünitesini seçerken PGR üç fazlı asenkron AC motorlarını veya tek fazlı AC motorları kullanılır ve teknik olarak kıyaslanabilen motorlar için de geçerlidir. Başka motorlar kullanırken, lütfen PGR'e danışınız. Bir dişli ünitesini seçme ile ilgili aşağıdaki önemli ana esaslara bağlı kalınmazsa, aşırı bir yük durumunun olması muhtemeldir. Bu durumda, tüm garantiler geçersizdir. Şüpheli durumda, lütfen dişli ünitesi tasarımını kontrol etmek için birlikte çalışabileceğiniz teknik bilgilerden sorumlu PGR satış ofisi ile irtibata geçiniz. Karşılıklı çıkarlarımız açısından, dişli ünitelerinde aşırı yüklemenin neden olduğu tüm problemler her durumda, önlenmelidir.

Kriter

Seçme kriteri aşağıdakilerden oluşur:

1. Termal olarak transfer edilebilen güç (termal sınır)

Dişli ünitesinin aşırı ısınmaması için, bu güç transferi (3 saat) daha uzun bir çalışma zamanını aşmamalıdır. Aşağıdaki maddelerden iki veya daha fazlasının geçerli olması durumunda çalışma durumunu kontrol ediniz.

- Ortam sıcaklığı > 40°C
- Dönme hızı n_1 > 1500 min^{-1}
- Motor gücü P_1 > 100 kW
- W kovanlı ve IEC adaptörlü redüktörler
- Dik olarak montajı yapılan redüktörler (sayfa 30-33)
- Tahvil oranı i_{top} < 20

2. Mekanik olarak transfer edilebilen güç "P"

Bu güç, katalogdaki ilgili tablodaki servis faktörü f_B tarafından göz önüne alınır. Bir sonraki bölüm, gerekli servis faktörünün saptanmasını tanımlar.

Genel olarak, dişli ünitesi ekleme, ısı radyasyonu, dar yer vs gibi özel montaj koşulları olduğunda bize danışınız. Özel ölçüler (veya su soğutucusu) termal aşırı yüküne karşı var olduğunda; lütfen PGR'e danışınız.

Giriş gücü ve servis faktörü

Her bir uygulama için gerekli giriş gücü, hesaplama ile saptanır. Motor anma gücü (P_1), bu giriş gücünden sonra seçilir. Normal olarak, belirli uygulama özel çalıştırma koşullarına ait güvenlik faktörleri gözleneceği ve anma motor çıkış seviyeleri genellikle standart çıkış seviyesi aralığında olduğu için motorun anma gücü istenilen güçten biraz daha yüksektir.

Montajı yapılacak 3 fazlı bir AC motorun anma gücünü seçerken kısa dönem ve seyrek tork tesirini göz önüne almak gerekmez. Bir frekans inventörü üzerindeki 3 fazlı bir AC motor çalıştırırken ilave faktörler anma çıkış gücünün seçimini etkiler. Motorun aksine, kısa dönem ve seyrek tork tesiri önemli derecede dişli ünitesinin seçimini etkiler. Dişli ünitesi servis faktörü f_B bu kısa dönem ve seyrek tork tesirini ve ayrıca yeterli doğrulukla dişli ünitesi üzerinde etkileri göz önüne alır.

4.sayfadaki **diyagram 1** çalışma saatine veya güne bağlı olarak yük sınıflandırması, devir ve minimum servis faktörü arasındaki ilişkiyi sunmaktadır.

EN EXPLANATORY NOTES

Selecting of Gear Unit

Gear unit selection includes PGR's three-phase AC motor or single phase AC motor and technically equal different motor could be applied. When you apply different motor please contact with PGR. There are some condition for selecting gear unit and these condition must be considered overloading could be effected badly if restirictions are not considered. In these situation, all guarantees could be invalidated. Under suspecious situation please refer to PGR sales office department which is responsible for giving technical information to you.

Conditions

Conditions of selecting gear unit;

1. Thermal Limit

Thermal transfer power should not be exceeded over running time (3 hours) for prevent overheated gear unit. Any suspicion please contact with PGR.

- Ambient temperature > 40°C
- Rotational speed n_1 > 1500 min^{-1}
- Input power P_1 > 100 kW
- With W-cylinder and IEC adapter gear units
- Vertical mounting position (see page 30-33)
- Reduction ratio i_{top} < 20

2. Power transfer with service factor "P"

Service factor (f_B) is important for power transfer, determination of minium service factor will be given at following information.

For every operating conditions; eg. heat radiation in bounded field (place) which is required special devices (oil cooler or water cooler) for that reason please contact with PGR.

Input power and service factor

For every application requiring input power could be detected or determined by calculation. After determination input power, rated motor power (P_1) is defined. Motor power is greater than require input power due to safety factor is used according to operating conditions.

Selecting a motor type is important for right calculation for instance; three phase AC motor which is mounted to gear unit, affecting infrequent torque could not be considered but if you mount three-phase AC motor on frequency inverter latest available factor effects the output power. Besides of motor type short and infrequent torque impression effects selecting gear unit for that service factor is considered.

Diagram 1 which is shown on page 4, presents relation between types of load, revolution per hour and minimum service factor depend on operation hours or day.

TR SERVİS FAKTÖRÜ

Diyagram 1, günlük çalışma zamanına bağlı gerekli minimum servis faktörü $f_{B\,min}$, 'Z' saatteki çevrimleri, ve uygulama yükü sınıflandırması 'U', 'M', 'H' gösterir. Çalışma düzgünlüğüne ve kütle hız faktörüne bağlı olarak, üç yük sınıflandırması belirlenmiştir. Hareket ettiren makineden gelen etkiler çalışma düzgünlüğü sınıflandırmasında tanımlanırken, kütle hız faktörü en fazla olan yük üzerinde etkili olur.

Not : Elde edilen servis faktörü f_B 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

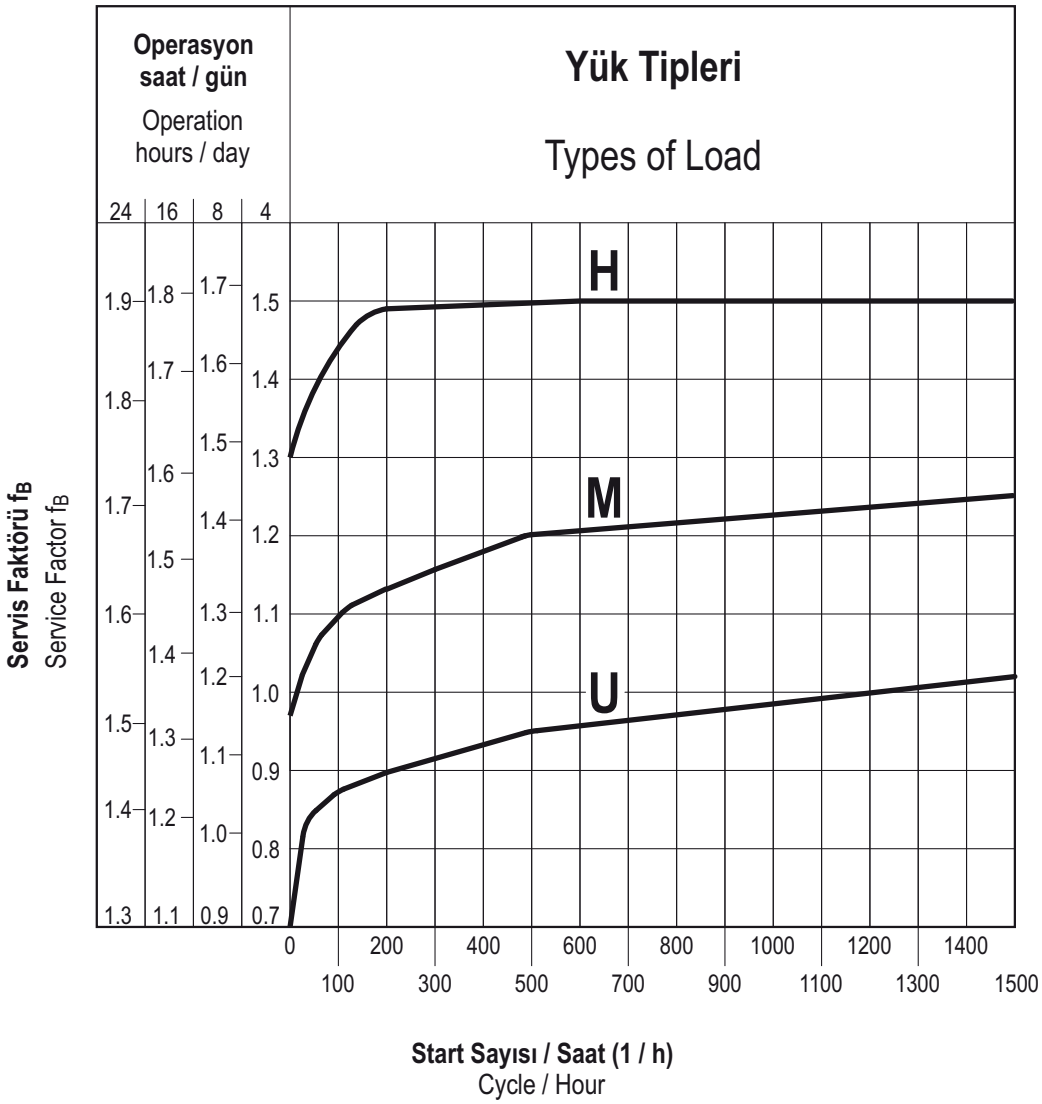
EN SERVICE FACTOR

Diagram 1 shows requiring minimum service factor depend on revolution per hours 'Z' and types of load 'U', 'M' or 'H'. In following information mass acceleration factor will be explained how it effects to or relation between load classification. Forces or loads which are applied from driven machin to gear unit while determine load classification, mass acceleration factor is played important role on the high load classification which is designated with 'H' sign.

Note : Service factor f_B which is acquired from diagram should be modified with factor "k" that, depends on driver type.

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

Diyagram - 1



TR TEKNİK BİLGİLER

Dişli Ünitesini Seçme

Bir çalışmanın sınıflandırılması :

a) Düzgün çalışma (U)

Küçük karıştırıcılar, asansörler, konveyörler, montaj bantları, doldurma makinaları, bantlı konveyörler, temizleme makinaları, fanlar, test makinaları.

b) Yumuşak şoklar, düzgün olmayan çalışma (M)

Ağır konveyör bantları, değirmenler, ahır gübre makinaları, vinç hareketli mekanizmalar, bükme makinaları, çimento karıştırıcılar, dişli makinaları, ahşap işleme makinaları için sürücüler, vinçler, kayar kapılar, dengeleme makinaları.

c) Ağır şoklar, aşırı düzgün olmayan çalışma (H)

Taş kırıcılar, eksantrik presler, doğrayıcılar, presler, taşlama milleri, çekiçli kırıcılar, kağıt öğütücüler, ağır karıştırıcılar, delme makinaları, katlama makinaları, dönen tezgahlar, yatay karıştırıcılar, kesiciler, vibratörler, santrifüj makinaları, döner tablalar.

Yük sınıflandırması, çalışma düzgünlüğünden ve aşağıdaki tabloya göre kütle hız faktörü 'm_{af}' den belirlenir. Burada, çalışma veya kütle hız faktöründen gelen daha yüksek sınıf yük sınıflandırmasında geçerlidir. (Örnek: aşırı düzgün olmayan çalışma ve m_{af} = 2,8 gibi durumda yük sınıfı 'M' olarak belirlenir.

Yük Sınıfı	Çalışma	Kütle hız faktörü
U	Düzgün çalışma	$m_{af} \leq 0.25$
M	Düzgün olmayan çalışma	$0.25 < m_{af} \leq 3$
H	Aşırı düzgün olmayan çalışma	$3 < m_{af} \leq 10$

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

i_{ges} = Toplam dişli ünitesi oranı
$J_{ex.red}$ = Hareket motoru üzerindeki azaltılmış tüm dış kütle atalet momenti
J_{ex} = Tüm dış kütle atalet momenti
J_{mot} = Motorun kütle atalet momenti

Kütle hız faktörü m_{af}, çıkış tarafındaki dış kütleler ile giriş tarafındaki yüksek hız kütlelerin arasındaki ilişkiyi gösterir. Kütle hız faktörü, başlatma ve frenleme işlemlerine ve titreşime göre dişli ünitesindeki tork tesir seviyesini önemli derecede etkiler.
Örneğin; bantlı konveyör sistemlerinde dış kütle atalet momenti taşınan ürün kadar yük uygular. m_{af} > 10 ise, transfer elemanlarında büyük bir oynama, yük sınıflamasında belirsizlik varsa veya şüphedeyseniz, PGR'e danışınız.

Servis faktörü f_B, maksimum dişli ünitesi çıkış momenti M_{amax} ile montajlanmış motor gücü P_1, çıkış hızı n_2 ve dişli ünitesi verimi (η) sonucu ortaya çıkan momenti M_2 arasındaki ilişkidir.

EN EXPLANATORY NOTES

Selecting a Gear Unit

Operation classification;

a) Uniform application (U)

Small agitators, elevators, conveyors, assembly belts, filling machines, conveyor belts, cleaning machines, fans, testing machines.

b) Moderate shocks, non-uniform application (M)

Heavy conveyors belts, mills, stall dunging machines, crane traveling mechanisms, bending machines, cement mixers, gear pumps, decoilers, tapping units, packaging machines, feed drives for wood processing machines, hoists, winches sliding doors, balancing machines.

c) Heavy shocks, extreme non-uniform application (H)

Stone crusher, eccentric presses, choppers, presses, grinding mills, hammer mills, shredders, heavy mixers, punching machines, folding machines, rolling stands, tumbling barrels, shears, vibrators, centrifuges, roller tables.

Load classification is obtained from operation class and mass acceleration factor (m_{af}). For this reason in any situation which factor is greater than other you must take for calculation. (Eg; heavy - shock and m_{af} = 2,8 load classification must be'M')

Load Classification	Operation	Mass Acceleration Factor
U	Uniform application	$m_{af} \leq 0.25$
M	Non-uniform application	$0.25 < m_{af} \leq 3$
H	Extreme non-uniform application	$3 < m_{af} \leq 10$

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

Technically mass acceleration factor m_{af} mass different between external output-side and high speed input-side. m_{af} is played important role at the level of torque propulsive in the gear unit.

It is mostly effected at start-up, braking operation and vibration. Please contact with PGR where m_{af} is greater than 10 and large play in transfer elements and vibration in the system.

Calculation of service factor is illuminated below. It depends on maximum output moment of gear unit and the output moment which is calculated from motor power, rotation speed and efficiency.

TR TEKNİK BİLGİLER

Dişli Ünitesini Seçme

Helisel - Sonsuz Dişli Üniteleri İçin Seçim Bilgileri

Helisel-sonsuz dişlili tasarımları için, çok sayıdaki kalkışlarda (oto-blokaj olasılığının azalması) çıkış torkunun geriye dönüşte etki etmesi ya da yüksek atalet momentinin oluşabileceği göz önünde bulundurulmalıdır. Sonsuz dişli sayıları Z2 / Z1 IEC seçim tablolarında listelenmiştir.

$m_{af} \leq 0.25$ tüm sonsuz dişli sayısı mümkündür.
$m_{af} \leq 3$ sonsuz dişli sayısı $Z_1 \geq 3$ önerilir.
$m_{af} \leq 10$ sonsuz dişli sayısı $Z_1 \geq 6$ önerilir.

Sonsuz dişli ünitelerinde diyagram 1'den bulunan f_{Bmin} servis faktörüne ek olarak T_U dış ortam sıcaklığı için f_{B1} servis faktörü ve devamlılık süresi faktörüne göre ED için f_{B2} servis gözönünde bulundurulmalıdır.

f_{B1} ve f_{B2} servis faktörleri diyagram 2 ve 3'ten bulunabilir.

Doğru bir dişli ünitesi seçiminde, tablolardan alınan servis faktörü aynı f_{Bmin}, f_{B1} ve f_{B2} servis faktörlerinden büyük olmalıdır.

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

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

$$P_1 = \frac{M_{amax} \cdot n_2}{9550 \cdot f_{Bmin} \cdot f_{B1} \cdot f_{B2} \cdot \eta}, \ [kW]$$

M_{amax} [Nm]
n_2 [min^{-1}]

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

$P_1 \leq P_{1max}$

W ve IEC'li performans tablolarında her bir çıkış devri (n2) için maksimum çıkış torku (Mamax), maksimum motor gücü (P1max) ve dişli ünitesi verimi listelenmiştir. Dişli ünitesi verimi (η) yukarıdaki formüle göre çıkan faktörü içermelidir.

Örneğin ; 0,9 = %90

Helisel-sonsuz dişli ünitelerinde servis faktörü (f_{B1}) hesabına etki eden dış ortam sıcaklığına göre ve çalışma çevriminden dolayı gelecek servis faktörleri (f_{B2}) gözönünde bulundurulmalıdır.

EN EXPLANATORY NOTES

Selecting a Gear Unit

Selection Information For Helical-Worm Gear Unit

For more start-stop applications (reducing possibility of auto-irriversibility) you must consider the effecting of the output torque to anti rotation or occuring high moment of inertia in design of helical-worm gear units. Number of Teeth number of worm gear Z_1, of gear units with IEC adapters are listed in performance tables.

$m_{af} \leq 0.25$ all number is possible
$m_{af} \leq 3$ number of worm teeth $Z_1 \geq 3$ önerilir.
$m_{af} \leq 10$ number of worm teeth $Z_1 \geq 6$ önerilir.

In selection of helical-worm gear units additional f_{B1} service factor which is depend on ambient temperature and f_{B2} service factor which is depend on cycle and calculated according to ED are considered.

f_{B1} and f_{B2} service factors can be found from diagram 2 and 3.

For the right selection, service factor which is taken from performance table must be gearther than f_{Bmin}, f_{B1} and f_{B2} service factors which are taken from diagram 1,2,3.

Power for helical-worm gear with W cylinder is calculated as follows.

In this section P_1 value must be less than P_{1max} value.

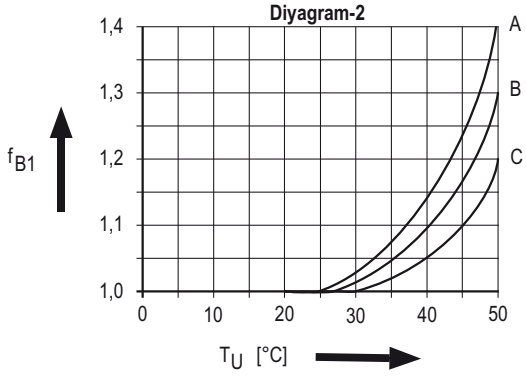
$P_1 \leq P_{1max}$

For all output speed, maximum output torque [M_{amax}] maximum motor power (P_{1max}) and efficieny of gear units are listed on performance tables of gear unit with W and IEC adapter. Efficiency of gear units must be included factor which is obtained from equation on above.

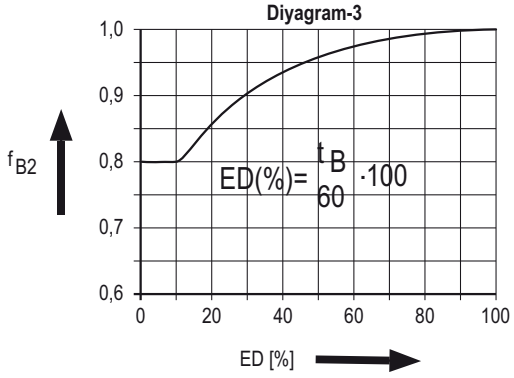
Example ; 0,9 = %90

f_{B1} service factor according to ambient temperature and f_{B2} service factor according to running cycle which are effected to the calculation of service factor must be considered in helical-worm gear units.

Diyagram-2



Diyagram-3



TR TEKNİK BİLGİLER

Verim (η) :

PSH helisel - sonsuz dişli üniteleri verimde maksimum %92'ye ulaşabilir.

Sonsuz dişlilerin maksimum verimliliğe ulaşabilmeleri için dişlilerin birbirine alışması gerekmektedir. Bundan dolayı dişli ünitesi verimi, sonsuz redüktör yeni olduğunda düşük olacaktır.
Helisel - sonsuz dişli ünitesinin az sayıdaki kalkışlarında bu etki maksimumdur ama doğrusal açı ile azalır. Tecrübelere göre tam çalışma tamamlanmadan önce aşağıda verilen verim düşüşleri göz önünde bulundurulmalıdır.

Helisel - Sonsuz Çalışması	Verimdeki Düşüş
1. Çalışma	% 12
2. Çalışma	% 6
3. Çalışma	% 3
6. Çalışma	% 2

Sonsuz dişlideki diş sayıları, IEC seçim tablolarında listelenmiştir. Alıştırma prosedürü maksimum yükte yaklaşık 25 saat çalıştırıldıktan sonra tamamlanmış olur.

Tablolarda verilen verim değerlerine ulaşabilmek için aşağıdaki bilgiler göz önünde bulundurulmalıdır.

- Dişli ünitesi devamlı çalıştırılmalı,
- Dişli ünitesi sabit sıcaklığa ulaşmış olmalı,
- Gerekli yağlayıcı ile doldurulmuş olmalı,

Radyal ve Eksenel Kuvvetler

Çıkış momenti ve hız genel açıklamalarındaki tablolarda, çıkış mili üzerine izin verilen radyal kuvvetler F_R ve eksenel kuvvetler F_A listelenmiştir. Tercihen güçlendirilmiş çıkış mili yatakları bir çok dişli ünitesi tipi için geçerlidir. Güçlendirilmiş yataklardaki radyal ve eksenel kuvvetler tablolarda $F_{R\,GR}$ ve $F_{A\,GR}$ olarak belirtilmiştir. Listelenen radyal ve eksenel kuvvetler, mil çıkışlı, ayak ve flanş bağlantılı dişli üniteleri için uygulanır. Radyal ve eksenel kuvvetler, bu kuvvetlerden biri 0 (sıfır)'a eşit iken hesaplanmıştır.

Ayrıca, radyal ve eksenel kuvvetlere ait bir servis faktörü $f_B = 1$ çıkış gücü ve devir açıklamalı genel tablolarda verilen kuvvetlerin temeline dayanır. Darbeli tipli kuvvetlerin olduğu ve aşırı çalışmalı (> 8 saat/gün) uygulamalarda uygun servis faktörü $f_B > 1$ radyal ve eksenel kuvvetler için de göz önünde bulundurulmalıdır. İzin verilen kuvvetler F_A ve F_R belirli oranda azaltılır.

Listelenen radyal kuvvetler, milin ucunun orta kısmında etki eden bir kuvvete karşılık gelir. İzin verilen kuvvetleri saptarken, uygulanan kuvvetin hiç istenmeyen yönü ve dönme yönü varsayıldı. Tam bir hesaplama için, daha yüksek radyal ve eksenel kuvvetler muhtemeldir. Bu yüzden lütfen bize istenen servis süresinin yanısıra gerçek güç ve dönme yönünün detaylarını da belirtiniz.

Transfer elemanları, çıkış miline eklenirse, ilgili faktör f_z radyal kuvveti saptamada göz önüne alınmalıdır.

EN EXPLANATORY NOTES

Efficiency (η) :

Helical-worm gear units (PSH) can be reached maximum 92% per cent efficiency.

For reaching maximum efficiency of worm gears, gears must be run together. For that reason efficiency of gear units will be low in first running.
At low start-stop applications this affect will be maximum but it could be decrease with linearly. According to experience, before full running incompletely decreasing in efficiency which is specified on below must be considered.

Running of Helical-Worm Gear	Decreasing in Efficiency
1st Running	% 12
2nd Running	% 6
3rd Running	% 3
6th Running	% 2

Teeth number of worm gear, reduction ratio and output speed are listed on the performance tables. Procedure of running together is accomplished after 25 hours running with maximum load.

For each efficiency value on the performance tables, you must consider as follows instruction;

- Gear units must be run full,
- Gear units must be reach constant temperature,
- It must be filled suitable lubrication,

Axial and Radial Forces

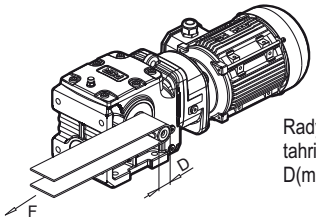
Permissible forces on the output shaft are given at the selection of gear motor. F_R represents radial load and F_A represents axial load. $F_{A\,GR}$ and $F_{R\,GR}$ represents permissible load with reinforced bearings. This values are calculated when one of them is equal to zero.

In selection of gear motor tables service factor is given with permissible axial and radial load but it must be considered when operating times is greater than 8 hours and service factor must be greater than 1 for that reason permissible radial and axial loads are reduced.

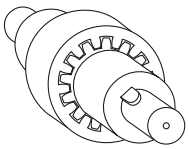
Axial and radial forces are calculated where force acting on the middle of the shaft end see page 39. Direction of rotation is played important role in calculation. For that reason this forces are calculated and result's value is found from forces to the shaft worse. Hence, please explain details in your orders.

For belt-pulleys operations or any other motion transfer applications f_z factor must be considered while calculating radial and axial load.

TR RADYAL YÜK HESABI

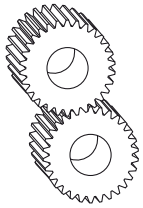


Radyal yük F_R (N)' nun hesaplanmasında gerekli tahrik momenti M_2 (Nm), kasnak veya dişli çapı D(mm) olmak üzere aşağıdaki formüller kullanılır.



1 - Elastik Kaplin

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

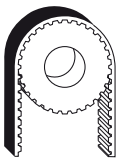


2 - Düz Dişli (20° kavrama açılı)

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

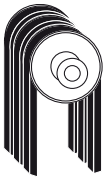
3 - Küçük Hızlarda Zincir Dişli (Z < 17)

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



4 - Triger Kayış

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



5 - V Kayış

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

6 - Gerdirme Makaralı Kayış

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

EN CALCULATION OF OVERHUNG LOADS

Radial load F_R (N) is calculated with the following equations where required moment M_2 (Nm) and hoop or gear diameter D (mm) is used.

1 - Elastik Coupling

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

2 - For Spur Gear (Pressure angle 20°)

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

4 - For Trigger Belt

5 - For V Belt

6 - Flat Belt With Spanning Puley

TR RADYAL YÜK HESABI

fz için Tablo

Transfer Elemanları	Faktör fz	Açıklama
Dişliler Zincir Dişliler Zincir Dişliler	1.1 1.4 1.2	z ≤ 17 diş z ≤ 13 diş z ≤ 20 diş
Dar V-Kayış Makaralar Düz kayış Makaralar	1.7 2.5	ön gerilim kuvveti

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

$$F_{Rvorth} = \frac{2 \cdot M_2}{d_o} \; f_z \leq F_R$$

M_2 : Dişli ünitesi çıkış momenti [Nm]
f_Z : Tablodan alınan katsayı
d_0 : Etkili daire çapı [mm]
F_R : Devir ve çıkış gücü tablolarından alınan müsaade edilebilir radyal kuvvet [kN]
$F_{R\ vorth}$: Mil üzerindeki radyal kuvvet [kN]

Kuvvet mil ortasına uygulanmazsa, herhangi bir 'X' noktasında izin verilen radyal kuvvet **formül I ve II** kullanılarak hesaplanır.

Formül / Equation - I

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

Formül / Equation - II

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

X : Mil bileziğinden kuvvet uygulama noktasına olan uzaklık [mm] X Noktası- mil kararlılığı

F_{RXW} : İzin verilen radyal yük [kN]

F_R : Hız ve çıkış tabloları ve milin ortasına uygulanan kuvvetten alınan radyal kuvvet [kN] X Noktası - yatak servis ömrü

F_{RXL} : İzin verilen radyal yük [kN]

c		[Nmm]
C_{GR}		[Nmm]
f	10-11	[mm]
y		[mm]
z		[mm]

Belirtilmedir ki, hesaplamalarda **formül I** yatak servis ömrünü, **formül II** ise mil kararlılığını hesaplamada kullanılır. Hesaplamalar sonucunda küçük değer dikkate alınmalıdır.

EN CALCULATION OF OVERHUNG LOADS

fz values are shown at table.

Transfer Elements	Factor fz	Notice
Gears Sprockets Sprockets	1.1 1.4 1.2	z ≤ 17 diş z ≤ 13 diş z ≤ 20 diş
Narrow V-belt pulleys Flat belt pulleys	1.7 2.5	by Pre-Tensioning

Radial load is determined with following equation;

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]
$F_{R\ vorth}$: Radial force on the gear unit shaft [kN]

Equation which is determined above is used for when force is not acting on the middle of shaft at other situations following equation is applied.

X : Distance from the shaft collar to the point of force application [mm] point X - shaft stability

F_{RXW} : Permitted overhung force [kN]

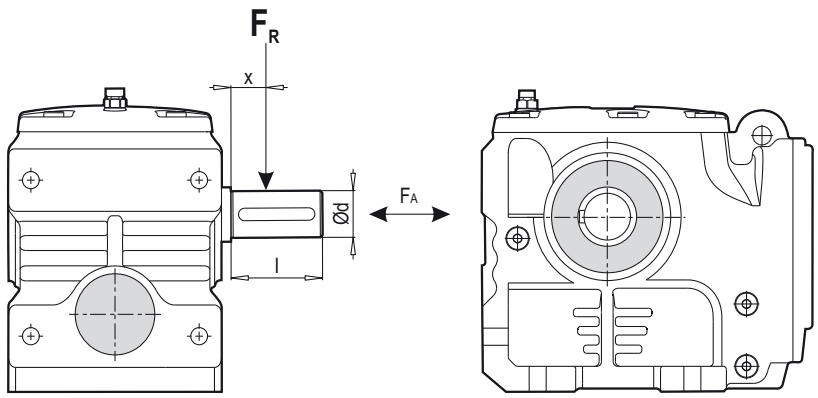
F_R : Overhung force from the speed and output tables, force applied at shaft middle [kN] point X - bearing service life

F_{RXL} : Permitted overhung load [kN]

Notify that, **equation I** and **equation II** are applied for calculating radial load where **equation I** is used for service life and **equation II** is used for shaft stability. But small result must be considered.

TR RADYAL YÜK HESABI

EN CALCULATION OF OVERHUNG LOADS



ÇIKIŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER

VALUE TABLE FOR RADIAL AND AXIAL LOADS AT OUTPUT SHAFT

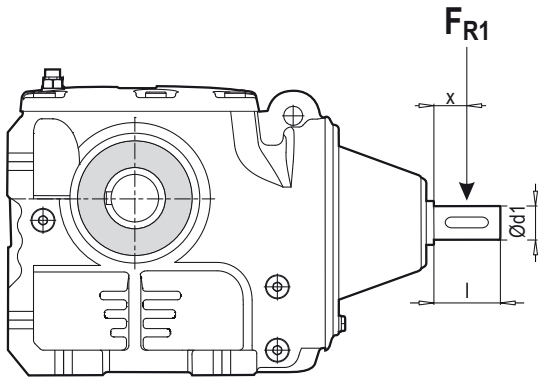
Redüktör Tipi Gearbox Type	**y** **(mm)**	**z** **(mm)**	**c** **Normal** Normal **(Nmm)**	**C_{GR}** **Güçlendirilmiş** Reinforced **(Nmm)**	**f** **(mm)**	**Ød** **(mm)**	**l** **(mm)**
PSH 2040	99.5	115.5	0.07×10^6	—	0	20	40
PSH 2050, PSH 3050	104.0	129.0	0.12×10^6	0.19×10^6	0	25	50
PSH 2063, PSH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

y-z-C_{GR} 9

TR RADYAL YÜK HESABI

EN CALCULATION OF OVERHUNG LOADS

W



GİRİŞ ŞAFTINDAKİ RADYAL VE EKSENEL YÜK HESAPLAMALARI İÇİN DEĞERLER
VALUE TABLE FOR RADIAL AND AXIAL LOADS AT INPUT SHAFT **f=0**

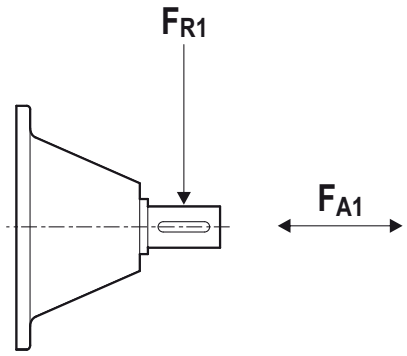
Redüktör Tipi Gearbox Type	**y** (mm)	**z** (mm)	**c** (Nmm)	**Ød1** (mm)	**l** (mm)
PSH 2040	58.5	78.5	0.037×10^6	16	40
PSH 2050 **PSH 2063** **PSH 2080** **PSH 3050** **PSH 3063** **PSH 3080** **PSH 3100**	70.0	90.0	3.64×10^4	16	40
PSH 2100 **PSH 3125**	96.5	121.5	1.07×10^5	24	50
PSH 2125	110.5	150.5	4.70×10^5	38	80

y-z-c 9

TR RADYAL YÜK HESABI

EN CALCULATION OF OVERHUNG LOADS

W



Tip / Type	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)	F_{A1}	F_{R1}	F_{A1}	F_{R1}	F_{A1}	F_{R1}	F_{A1}	F_{R1}
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

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

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

9

TR KISALTMALAR

f_B	= Servis Faktörü (Mamax / Ma)
F_A	= Çıkış tarafındaki müsaade edilebilir eksenel yük [kN]
F_R	= Çıkış tarafındaki, milin orta noktasına etkiyen müsaade edilebilir radyal yük [kN]
i_{toplam}	= Dişli ünitesindeki toplam tahvil oranı
i_{ges}	= Tahvil oranı
M_2	= Çıkış momenti [Nm]
M_{amax}	= Müsaade edilebilir maksimum çıkış momenti [Nm]
n_2	= Çıkış devri [d/dk]
P_e	= Mamax referans alınarak hesaplanan güç [kW]
P_n	= Motor güç oranı [kW]
η	= Verim [%]
kg	= Redüktörün ağırlığı

EN ABBREVIATIONS

f_B	= Service factor (Mamax / Ma)
F_A	= Permissible axial load at the output side [kN]
F_R	= Permissible overhung load at the output side, force acting at the shaft's midpoint [kN]
i_{total}	= Gear units total ratio
i_{ges}	= Reduction ratio
M_2	= Output torque [Nm]
M_{amax}	= Max. permissible output torque [Nm]
n_2	= Output speed [min^{-1}]
P_e	= Calculated power [kW] with reference to Mamax
P_n	= Rated power of motor [kW]
η	= Efficiency [%]
kg	= Weight of the geared motor

TR PSH TANITIMI

POLAT HELİSEL - SONSUZ DİŞLİ ÜNİTESİ (PSH)

Helisel - sonsuz dişli üniteleri motor mili ile çıkış şaftı arasında 90° açı olan dişli üniteleridir. Bu yüzden uygulamalarda (sistem) faydalı özellik sağlar. Bu katalogta belirtilen tüm helisel - sonsuz dişli üniteleri çok kademelidir.

Helisel - sonsuz dişli ünitelerinin helisel dişlileri yüksek alaşımlı çelikten yapılmış olup, dişliler sertleştirilmiştir. Dişli geometrileri ve düzeltmeleri optimize edilerek tek gövde prensibine göre hassas şaft hizalaması, yüksek yük kapasitesi, uzun servis ömrü ve düşük ses sağlanmış olur.

Sonsuz kademedeki çark sertleştirilmiş olduğu gibi özel bronzdan yapılmış ve şaft üzerine sıkıca sabitlenmiştir. Bu kombinasyon uzun servis ömrünü garanti etmektedir. Modern CNC tezgahlarında üretilen helisel-sonsuz dişli üniteleri düzenli proses kontrolü yapılarak en yüksek ürün kalitesi, siz değerli müşterilerimize sunulur.

Helisel - sonsuz dişli üniteleri ömürleri için fabrikada yüksek kalitede poliglikol tabanlı sentetik uzun ömür yağı ile doldurulur. Bu sentetik yağ sürtünmeyi düşürerek uzun servis ömrü ve yüksek verim sağlamış olur.

Helisel-sonsuz dişli ünitelerinden PSH 2040'dan PSH 2125' e kadar iki kademe olarak mevcuttur. Bu ünitelere yüksek tahvil oranları için indirgeyici gövde montajlanarak 3 kademeli sunulmaktadır. Bunlar ise PSH 3050'den PSH 3125'e kadar toplam 5 gövde büyüklüğünde sağlanmaktadır.

Helisel - Sonsuz Dişli Üniteleri

Çıkış gücü 0,12 kW'dan 15 kW'a kadar
maksimum çıkış momenti 3570 Nm, 6 gövde büyüklüğü

P_1 : 0,12 kW .....15 kW
M_2 : 3 ..... 3570 Nm

EN DESCRIPTION OF PSH

POLAT HELICAL - WORM GEAR UNIT (PSH)

There is a 90° between motor shaft and output shaft in helical-worm gear units. For that reason this features provide more benefits in applications (in system). All helical-worm gear units in this catalogue have multi-stage reduction.

Helical gears of helical-worm gear units are machined from high alloy steels and case hardened. According to monoblock principle and optimizing the teeth geometries, precise shaft alignment,high load capacity, long service life and low noise are provided.

In worm reduction, worm wheel is special bronz material and heat treated at the same time it is fixed to the output shaft. This combination is guaranteed long service life. Helical-worm gear units which are machined in latest version of CNC tools and allways checked regularly in process control, are offered to you with high quality level.

For long service life of helical-worm gear units, gearboxes are filled with high quality synthetic oil which have polyglicol base. This synthetic oil is decreased friction effect and provided long service life, high efficiency.

In helical-worm gear units, from PSH 2040 to PSH 2125 is two stage reduction. For high reduction ratio three-stage reduction is offered when reduction case is mounted to the two stage reduction gear units. These are PSH 3050 to PSH 3125 and offered totaly in 5 case width.

Helical-Worm Gear Units

Approx. 3570 Nm output moment
altering power from 0.12 kW to 15 kW

P_1 : 0,12 kW .....15 kW
M_2 : 3 ..... 3570 Nm

MAX. MÜSAADE EDİLEBİLİR ÇIKIŞ MOMENTİ $M_{amax.}$

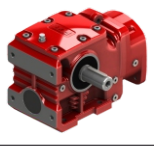
MAX. PERMISSIBLE OUTPUT TORQUES $M_{amax.}$

95-115

İki ve Üç kademeli helisel-sonsuz redüktör

Helical-worm gear units, double and triple stage reduction



Tip/Type	$M_{amax.}$ (Nm)	**Tip**/Type	$M_{amax.}$ (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 ve IEC ADAPTÖR KULLANIMI

W ve IEC Adaptör

W kovanlı redüktörlerin max. tahrik gücü geçerli olan çıkış devri ve tahvil oranına göre tablolarda verilmiştir. (Bknz 95-115) IEC adaptörlü dişli ünitelerinde, her gövde büyüklüğünün standart gücü DIN EN 50347'ye göre verilir. P1 değeri W ve IEC seçim sayfalarında listelenmiştir. Bu listedeki değerlerden fazla bir güç istenirse özel hesaplamalar gerekmektedir. Lütfen danışınız.

Kaldırma, asansör ve bu gibi insan yaralanmalarına neden olabilecek çalışmalar için özel hesaplamalar gerekmektedir. Lütfen PGR' ye danışınız. Direk motor montajlı redüktörle karşılaştırmak gerekirse IEC ilave mil kaplinine ve extra rulman yataklanmasına sahiptir. Direk motor montajına göre IEC bağlantılı redüktörlerde güç kayıpları daha fazladır. PGR olarak biz direk motor montajını öneririz. Bu size sadece teknik avantaj değil finansal olarak da avantaj sağlar.

EN USING OF W AND IEC ADAPTER

W and IEC Adapter for Gear Units

Selection of W cylinder (with free input shaft) and IEC adapter are listed on page 95-115. Maximum power are given according to gear reduction ratio and output speed. Gear units with IEC adapter standard power is specified according to DIN EN 50347. For other power values which are not shown on table, must be required special calculation for operating safety limits. For these cases, please contact with PGR.

On the other hand for operations where accident could be caused personnel damage special calculation must be required, please consult us. Direct motor mounting has a lot of advantage according to mounting of IEC adapter.
At gear units with IEC adapter has additional solid shaft coupling and bearing seats for that reason power losses are greater than direct motor mounting. Last but not least direct motor mounting could be provided more technical and financial advantage.

TR KULLANIM ALANLARI

EN APPLICATION AREAS

UYGULAMALAR	APPLICATIONS
KARIŞTIRICILAR	**AGITATORS (MIXERS)**
* Saf Sıvılar	* Pure Liquids
* Sıvılar ve Katılar	* Liquids and Solids
* Değişken Yoğunluklu Sıvılar	* Liquids - Variable Density
HAVALANDIRMA TERTİBATLARI	**BLOWERS**
* Santrifüj	* Centrifugal
* Lob	* Lobe
* Pervane	* Vane
MAYALAMA VE DAMITMA	**BREWING AND DISTILLING**
* Şişeleme Mekanizması	* Bottling Machinery
* Mayalama Kazanları - Kesintisiz İş	* Brew Kettles - Continuous Duty
* Fırınlar, Ocaklar - Kesintisiz İş	* Cookers - Continuous Duty
* Ezme, Karışım Kazanları - Kesintisiz İş	* Mash Tubs - Continuous Duty
* Ölçü Haznesi - Sık Sık Başlama	* Scale Hopper - Frequent Starts
TOPRAK İŞLEME MAKİNELERİ	**CLAY WORKING MACHINERY**
* Tuğla Presi	* Brick Press
* Briket Makinesi	* Briquette Machine
* Çamur Karma Makinesi	* Pug Mill
KOMPRESÖRLER	**COMPRESSORS**
* Santrifüj	* Centrifugal
* Lob	* Lobe
* Çok Pistonlu	* Reciprocating, Multi-Cylinder
* Tek Pistonlu	* Reciprocating, Single-Cylinder
KONVEYÖRLER - GENEL MAKSATLI	**CONVEYORS - GENERAL PURPOSE**
* Üniform Yüklü	* Uniformly Loaded or Fed
* Üniform Yüklü Olmayan	* Not Uniformly fed
* Pistonlu veya Karıştırıcılı	* Reciprocating Or Shaker
VİNÇLER	**CRANES**
* Kuru Havuz	* Dry Dock
Ana Kaldırma vinci	Main Hoist
Yardımcı Vinç	Auxiliary Hoist
Direkli Vinç	Boom Hoist
Döndürme İşi	Slewing Drive
Çekme İşi	Traction Drive
* Endüstriyel İşi	* Industrial Duty
Ana Kaldırma Vinci	Main Hoist
ASANSÖRLER	**ELEVATORS**
* Kova	* Bucket
* Santrifuj Boşaltma	* Centrifugal Discharge
* Yürüyen Merdiven	* Escalators
* Taşıma, Nakliye	* Freight
* Yerçekimi Boşaltım	* Gravity Discharge
KIRMA MAKİNELERİ	**CRUSHER**
* Taş ya da Maden	* Stone or Ore

TR KULLANIM ALANLARI

EN APPLICATION AREAS

UYGULAMALAR	APPLICATIONS
TARAMA MAKİNELERİ	**DREDGES**
* Kablo Bobinleri	* Cable Reels
* Konveyörler	* Conveyors
* Pompalar	* Pumps
* İstifleme Makineleri	* Stackers
* Vinçler	* Winches
EKSTRUDERLER	**EXTRUDERS**
* Genel	* General
* Plastikler	* Plastics
Değişken Hızlı Tahrik	Variable Speed Drive
Sabit Hızlı Tahrik	Fixed Speed Drive
*Kauçuk, Lastik	*Rubber
Kesintisiz Vida İşlemleri	Continuous Screw Operation
Kesintili Vida İşlemleri	Intermittent Screw Operation
FANLAR	**FANS**
* Santrifüj	* Centrifugal
* Yüksek Emişli	* Forced Draft
* İndüklenmiş Çekiş	* Induced Draft
* Endüstriyel ve Maden Ocağı	* Industrial and Mine
BESLEME ÜNİTELERİ	**FEEDERS**
* Palet	* Apron
* Bant	* Belt
* Disk	* Disc
* Pistonlu	* Reciprocating
* Vida	* Screw
GIDA ENDÜSTRİSİ	**FOOD INDUSTRY**
* Hububat Fırını	* Cereal Cooker
* Hamur Karıştırıcı	* Dough Mixer
* Kıyma Makinesi	* Meat Grinder
* Dilimleyici	* Slicer
METAL İŞLEMELERİ	**METAL MILLS**
* Çekme Makinesi Taşıma ve Ana Tahrik	* Draw Bench Carriage and Main Drive
* Hammadde İticileri	* Slab Pushers
* Makaslar	* Shears
* Tel Çekme	* Wire Drawing
* Tel Sargı Makinesi	* Wire Winding Machine
* Salgı Tezgahı	* Runout Table
Geri Dönmesiz	Non-Reversing
Tek Tahrik	Individual Drives
Grup Tahriki	Group Drives
DÖNER İŞLEMELER	**MILLS (ROTARY TYPE)**
* Küresel ve Çubuk	* Ball and Rod
Düz Halka Dişli	Spur Ring Gear
Helisel Halka Dişli	Helical Ring Gear
Doğrudan Bağlı	Direct Connected
* Çimento Fırını	* Cement Kilns
* Kurutucular ve Soğutucular	* Dryers and Coolers

TR KULLANIM ALANLARI

EN APPLICATION AREAS

UYGULAMALAR

KERESTE ENDÜSTRİSİ

* Kabuk Soyucular
  - Besleme Tamburu
  - Ana Tahrik
* Konveyörler
  - Brülör
  - Ana Yük veya Ağır Yük
  - Ana Kütük
  - Hızar ve Taşıma Bandı
  - Kalın Dilim
  - Taşıma
* Kesme Testereleri
  - Zincir
  - Sürükleme
* İndirme Boşaltma Tamburları
* Uzun Deste
* Tomruk Çekme-Eğme
* Kütük Döndürme Aygıtları
* Sıralama Tablası
* Taşıma
  - Zincir
  - Kreynyolu
* Tabla Tahriki

KAĞIT İŞLEMELERİ

* Karıştırıcı
* Saf çözeltiler İçin Karıştırıcı
* Kabuk Soyma Tromelleri
* Mekanik Kabuk Soyucu
* Dövücü - Öğütücü
* Düzleştirme Makinesi
* Kalenderleme
* Yüzey Pürüzlendirici
* Çentik Besleyici
* Kaplama Merdanesi
* Konveyörler
  - Çentik, Kabuk, Kimyasal
  - Kalın Dilimler İçeren Kütükler
* Kesici
* Silindir Kalıpları
* Kurutucu
  - Kağıt Makinesi
  - Konveyör Tip
* Kabartmalı Basıcı
* Ekstrüder
* Kağıt Merdaneleri
* Presler
* Küspe Makinesi
* Pompalar

FİLTRELER

* Havalı Yıkama
* Döner - Taş veya Çakıl
* Hareketli Su Girişi

APPLICATIONS

LUMBER INDUSTRY

* Barkers
  - Spindle Feed
  - Main Drive
* Conveyors
  - Burner
  - Main or Heavy Duty
  - Main Log
  - Re-saw, Merry-Go-Round
  - Slab
  - Transfer
* Cut-Off Saws
  - Chain
  - Drag
* Debarking Drums
* Long Deck
* Log Hauls - Incline
* Log Turning Devices
* Sorting Table
* Transfers
  - Chain
  - Causeway
* Tray Drives

PAPER MILLS

* Agitator (Mixer)
* Agitator for Pure Liquors
* Barking Drums
* Mechanical Barkers
* Beater
* Breaker Stack
* Calender
* Chipper
* Chip Feeder
* Coating Rolls
* Conveyors
  - Chip, Bark, Chemical
  - Log (including Slab)
* Cutter
* Cylinder Molds
* Dryer
  - Paper Machine
  - Conveyor Type
* Embosser
* Extruder
* Paper Rolls
* Presses
* Pulper
* Pumps

SCREENS

* Air Washing
* Rotary - Stone or Gravel
* Traveling Water Intake

TR KULLANIM ALANLARI

EN APPLICATION AREAS

UYGULAMALAR	APPLICATIONS
PLASTİK ENDÜSTRİSİ İLK İŞLEMLER	**PLASTIC INDUSTRY PRIMARY PROCESSING**
* Yoğun İç Karıştırıcılar Harmanlayıcı Kesintisiz Karıştırıcı	* Intensive Internal Mixers Batch Mixers Continuous Mixers
PLASTİK ENDÜSTRİSİ İKİNCİL İŞLEMLER	**PLASTIC INDUSTRY SECONDARY PROCESSING**
* Hacim Kalıpçıları * Kaplama * Tabaka * Boru * Ön Plastikleştirme * Rot * Saç, Plaka * Borular	* Blow Molders * Coating * Film * Pipe * Pre-Plasticizers * Rods * Sheet * Tubing
POMPALAR	**PUMPS**
* 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
KAUÇUK - LASTİK ENDÜSTRİSİ	**RUBBER INDUSTRY**
* 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 * Arıtıcı - 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
ATIK SU BOŞALTIM EKİPMANLARI	**SEWAGE DISPOSAI EQUIPMENT**
* 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
KOMPAKTÖRLER	**COMPACTORS**
ÇEKTİRMELER - YAVAŞ VE KUVVETLİ	**PULLERS - BARGE HAUL**

TR KULLANIM ALANLARI

EN APPLICATION AREAS

UYGULAMALAR	APPLICATIONS
ŞEKER ENDÜSTRİSİ	**SUGAR INDUSTRY**
* Pancar Dilimleme Aleti	* Beet Slicer
* Kamış Bıçakları	* Cane Knives
* Kırma Makineleri	* Crushers
TEKSTİL ENDÜSTRİSİ	**TEXTILE INDUSTRY**
* Harman Ölçer	* Batcher
* Kalenderler	* Calenders
* Şablonlar	* Cards
* Kuru Konserveler	* Dry Cans
* Boyama Makinesi	* Dyeing Machinery
* Dokuma Tezgahları	* Looms
* Çamaşır Sıkma Makinesi - Merdane	* Mangle
* Kaplama	* Napper
* Doldurma Makinesi	* Pads
* Haşıl Makinesi	* Siashers
* Halat Yıkama Makinesi	* Soapers
* Eğirme Makinesi	* Spinners
* Germe Kurutma Makineleri	* Tenter Frames
* Yıkama Makineleri	* Washers
* Masura Sarıcısı	* Winders
DAMPERLİ ARAÇLAR	**CAR DUMPERS**
ÇEKİCİ ARAÇLAR	**CAR PULLERS**
ARITICILAR	**CLARIFIERS**
KONSERVE DOLUM MAKİNELERİ	**CAN FILLING MACHINES**

TR KULLANILAN TERİMLER

EN NOMENCLATURE

REDÜKTÖR TİPİ GEAR TYPE	
Ayak Montajlı Foot Mounted	
PSH 2040...PSH 2125 =	**İki kademeli, Helisel Sonsuz Dişlili redüktör** Double reduction, helical-worm gearboxes
PSH 3050...PSH 3125 =	**Üç kademeli, Helisel Sonsuz Dişlili redüktör** Triple reduction, helical-worm gearboxes
Gövdeden Montajlı Flange Mounted	
PSH 2040...PSH 2125 =	**İki kademeli, Helisel Sonsuz Dişlili redüktör** Double reduction, helical-worm gearboxes
PSH 3050...PSH 3125 =	**Üç kademeli, Helisel Sonsuz Dişlili redüktör** Triple reduction, helical-worm gearboxes
Gövdeden Montajlı / B5 Flanşlı Case Mounted / Flange B5	
PSH 2040...PSH 2125 =	**İki kademeli, Helisel Sonsuz Dişlili redüktör** Double reduction, helical-worm gearboxes
PSH 3050...PSH 3125 =	**Üç kademeli, Helisel Sonsuz Dişlili redüktör** Triple reduction, helical-worm gearboxes

REDÜKTÖR DİZAYNI GEAR DESIGN	
TMA	**= Ayak montajlı, Tek mil çıkışlı** Foot mounted, Solid shaft
ÇMA	**= Ayak montajlı, Çift mil çıkışlı,** Foot mounted, Solid shaft on both sides
DG/B14	**= Gövdeden montajlı, Delik milli, B14 flanşlı** Case mounted, Hollow shaft, Flange B14
DG/B5	**= Gövdeden montajlı, Delik milli, B5 flanşlı** Case mounted, Hollow shaft, Flange B5
DG/KS-B14	**= Gövdeden montajlı, Delik milli, Konik sıktırmalı, B14 flanşlı** Case mounted, Hollow shaft, Shrink disk connector, Flange B14
DG/TK	**= Gövdeden montajlı, Delik milli, Tork kollu** Case mounted, Hollow shaft, Torque arm
DG/Ç	**= Gövdeden montajlı, Delik milli, Çektirmeli** Case mounted, Hollow shaft, Fixing element
DG/Ç/KK	**= Gövdeden montajlı, Delik milli, Çektirmeli, Koruma Kapaklı** Case mounted, Hollow shaft, Fixing element with cover
DG/KS/KK	**= Gövdeden montajlı, Delik milli, Konik sıktırmalı, Koruma Kapaklı** Case mounted, Hollow shaft, Shrink disk connector with cover
TMG/B5	**= Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı** Case mounted, Solid shaft, Flange B5

TR KULLANILAN TERİMLER

EN NOMENCLATURE

Giriş Aksamları Input Options	**Motor** Motor	**Kutup Numarası** Number of Poles	**Motor Seçenekleri** Motor Options
IEC = DIN 42677' ye göre standart motorlar için aksamlar = For assembly with IEC standard motors acc. to DIN 42677	**Üç fazlı motor** **Motor boyutu 63 - 315** Three phase motor Motor size 63 - 315	**2 = 2 Kutuplu** = 2 - Poles	**BRE = Frenli** = With brake
W = Motorsuz girişli redüktörler için aksam = With free input shaft	**EExell = Patlamaya karşı güvenliği arttırılmış üç fazlı motor** = Explosion proof three phase motor increased safety	**4 = 4 Kutuplu** = 4 - Poles	**EF = Tek fazlı, fanlı** = Separate fan, single phase
T = Turbo kaplin = Turbo coupling		**6 = 6 Kutuplu** = 6 - Poles	**ZF = Çift fazlı, fanlı** = Separate fan, double phase
		4 - 2 = 1:2 oranında hız değiştirici dahlander bağlantısı = Pole changing 1:2 Dahlander connection	**DF = Üç fazlı, fanlı** = Separate fan, three phase
		8 - 2 = 1:4 oranında hız değiştirici ayrılmış sarmal dizilişli = Pole changing 1:4 Separate windings	**IG = Enkoderli** = With encoder
		Diğer kutup kombinasyonları talep karşısında karşılanacaktır Other pole combinations on request	**KK/FK = Debriyajlı** = With clutches
			SR = Toza karşı korumalı fren = Brake dust - proof
			TF = Termistörlü = Thermistor
			RG = Korozyon korumalı frenli = Brake corrosion - protected
			WU = Yumuşak kalkışlı rotor = Soft start rotor
			B = Geri dönmeye karşı kilitli = Backstop
			TW = Isıya duyarlı = Thermal trip
			HL = Manuel frenli motor = Brake motor with hand release

TR PSH MODÜLER SİSTEMİ

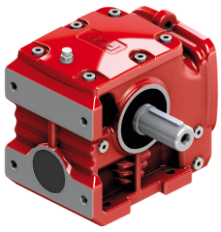
EN MODULAR SYSTEM OF PSH

Elektrik Motoru (Frenli)
Electric Motor (With Brake)

Elektrik Motoru (Frensiz)
Electric Motor (None Brake)

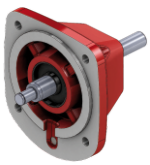
Helisel Sonsuz,
Delik Milli Redüktör
Helical-Worm,
Hollow Shaft Reducer
Gövdeden Montajlı
Case Mounted
25 - 27

Helisel Dişlili İndirgeç
Helical Reduction Gearcase



Helisel Sonsuz,
Mil Çıkışlı Redüktör
Helical-Worm,
Solid Shaft Reducer
Ayak Montajlı
Foot Mounted
25 - 27

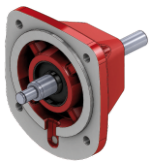
IEC Adaptörü
IEC Adapter



W Kovanı
Free Input Shaft

Elektrik Motoru (Frenli)
Electric Motor (With Brake)

Elektrik Motoru (Frensiz)
Electric Motor (None Brake)



W Kovanı
Free Input Shaft

Elektrik Motoru (Frenli)
Electric Motor (With Brake)

IEC Adaptörü
IEC Adapter

Elektrik Motoru (Frensiz)
Electric Motor (None Brake)

TR MEVCUT DİZAYNLARA GENEL BAKIŞ

EN OVERVIEW TO AVAILABLE DESIGNS

Kısaltmalar Abbrev	**Anlamı** Meaning	**Helisel Sonsuz Dişlili Redüktör** Helical Worm Gear Units
DG/B5	**Gövdeden montajlı, Delik milli, B5 flanşlı** Case mounted, Hollow shaft, Flange B5	✓
DG/B14	**Gövdeden montajlı, Delik milli, B14 flanşlı** Case mounted, Hollow shaft, Flange B14	✓
DG/TK	**Gövdeden montajlı, Delik milli, Tork kollu** Case mounted, Hollow shaft, Torque arm	✓
Ç	**Çektirme elementli** Fixing elements for hollow shaft	✓
KK	**Koruma kapaklı** Cover as a touch guard	✓
IEC	**IEC adaptörü** Adapter for mounting B5 IEC standard motors	✓
ÇMA	**Ayak montajlı, Çift mil çıkışlı** Foot mounted, Solid shaft on both sides	✓
B	**Kilit** Integrated backstop	✓
WB	**W kilidi** Backstop in W adapter	✓
KS	**Konik sıktırma** Hollow shaft with shrink disc	✓
TMG/B5	**Gövdeden montajlı, Tek mil çıkışlı, B5 flanşlı** Case mounted, Solid shaft, Flange B5	✓
GR	**Güçlendirilmiş rulman** Reinforced bearing	✓
TMA	**Ayak montajlı, Tek mil çıkışlı** Foot mounted, Solid shaft	✓
W	**W kovanı** Free input shaft	✓

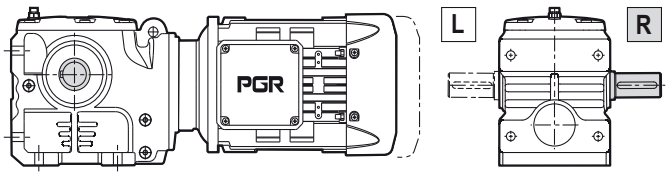
TR ÜRÜNLERİMİZ

EN PRODUCTS

PSH 2080...TMA- 80S/4A R

Tek mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, Motorlu redüktör

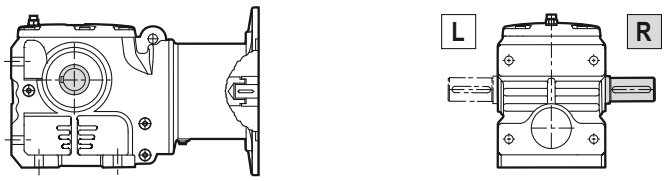
Helical worm geared motor,
Solid shaft, Food mounted, With motor



PSH 2080...TMA - IEC 80 R

Tek mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, IEC Adaptörlü redüktör

Helical worm geared motor,
Solid shaft, Food mounted, With IEC adapter



PSH 2080...TMA - W R

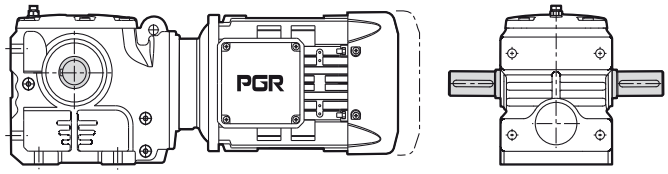
Tek mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Solid shaft, Food mounted, With free input shaft

PSH 2080...ÇMA - 80S/4A

Çift mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, Motorlu redüktör

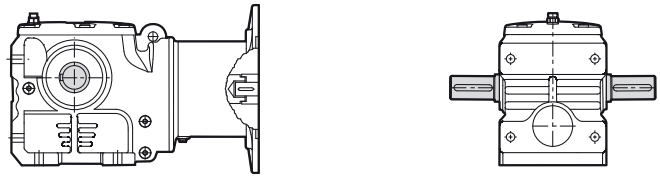
Helical worm geared motor,
Solid shaft on both sides, Food mounted, With motor



PSH 2080...ÇMA - IEC 80

Çift mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, IEC adaptörlü redüktör

Helical worm geared motor,
Solid shaft on both sides, Food mounted, With IEC adapter



PSH 2080...ÇMA - W

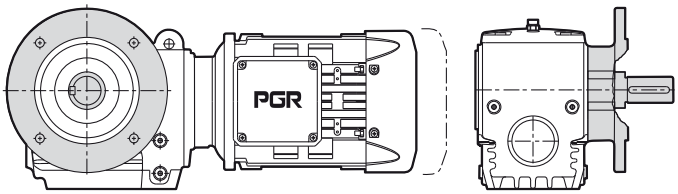
Çift mil çıkışlı, Ayak montajlı,
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Solid shaft on both sides, Food mounted, With free input shaft

PSH 2080...TMG/B5 - 80S/4A

Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı
Helisel sonsuz dişlili, Motorlu redüktör

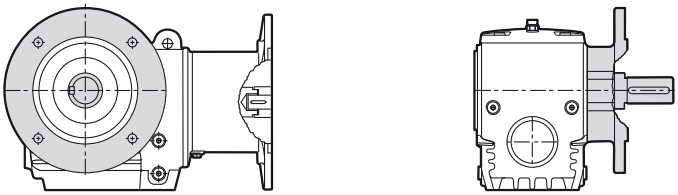
Helical worm geared motor,
Solid shaft, case mounted, Flange B5, With motor



PSH 2080...TMG/B5 - IEC 80

Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı
Helisel sonsuz dişlili, IEC Adaptörlü Redüktör

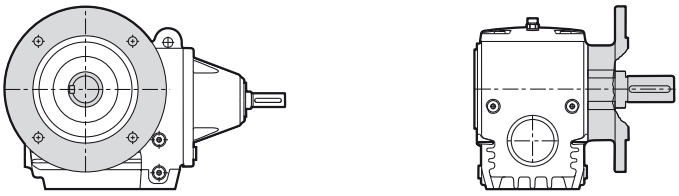
Helical worm geared motor,
Solid shaft, case mounted, Flange B5, With IEC Adapter



PSH 2080...TMG/B5 - W

Tek mil çıkışlı, Gövdeden montajlı, B5 Flanşlı
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Solid shaft, case mounted, Flange B5, With free input shaft



TR ÜRÜNLERİMİZ

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

Delik milli, Gövdeden montajlı, Tork kollu
Helisel sonsuz dişlili, Motorlu redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Torque arm, With motor

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

Delik milli, Gövdeden montajlı, Tork kollu
Helisel sonsuz dişlili, IEC adaptörlü redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Torque arm, With IEC adapter

PSH 2080...DG/TK - W R

Delik milli, Gövdeden montajlı, Tork kollu
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Torque arm, With free input shaft

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

Delik milli, Gövdeden montajlı, Konik sıktırmalı
Helisel sonsuz dişlili, Motorlu redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Shrink disc, With motor

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

Delik milli, Gövdeden montajlı, Konik sıktırmalı
Helisel sonsuz dişlili, IEC adaptörlü redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Shrink disc, With IEC adapter

PSH 2080...DG/KS - W R

Delik milli, Gövdeden montajlı, Konik sıktırmalı
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Shrink disc, With free input shaft

PSH 2080...DG/Ç - 80S/4A R

Delik milli, Gövdeden montajlı, Çektirme elementli
Helisel sonsuz dişlili, Motorlu redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Fixing element, With motor

PSH 2080...DG/Ç - IEC 80 R

Delik milli, Gövdeden montajlı, Çektirme elementli
Helisel sonsuz dişlili, IEC adaptörlü redüktör

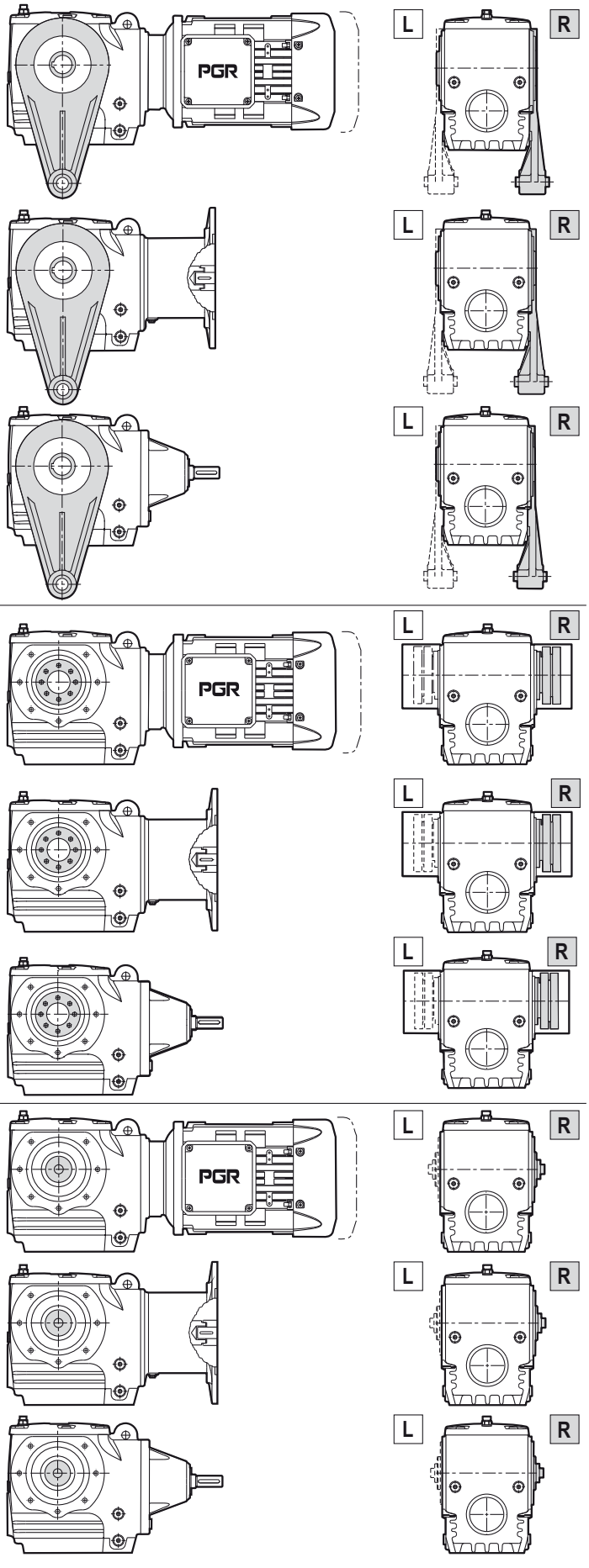
Helical worm geared motor,
Hollow shaft, Case mounted, Fixing element, With IEC adaper

PSH 2080...DG/Ç - W R

Delik milli, Gövdeden montajlı, Çektirme elementli
Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor,
Hollow shaft, Case mounted, Fixing element, With free input shaft

EN PRODUCTS



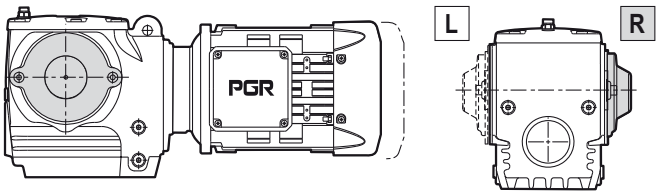
TR ÜRÜNLERİMİZ

EN PRODUCTS

PSH 2080...DG/Ç-KK - 80S/4A R

Delik milli, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişlili, Motorlu redüktör

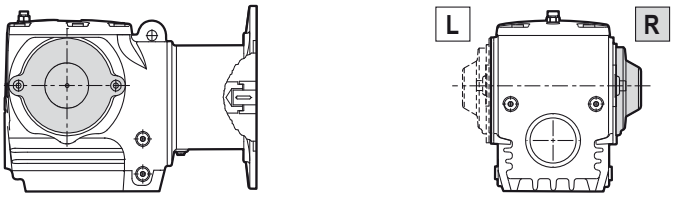
Helical worm geared motor, Hollow shaft, Case mounted, Fixing element and cover, With motor



PSH 2080...DG/Ç-KK - IEC 80 R

Delik milli, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişlili, IEC adaptörlü redüktör

Helical worm geared motor, Hollow shaft, Case mounted, Fixing element and cover, With IEC adapter



PSH 2080...DG/Ç-KK - W R

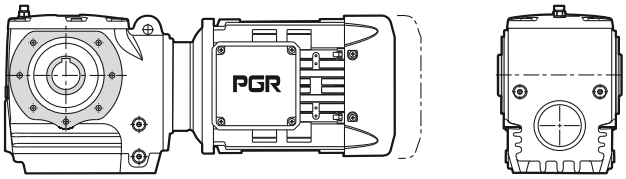
Delik milli, Gövdeden montajlı, Çektirme elementli, Koruma kapaklı, Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor, Hollow shaft, Case mounted, Fixing element and cover, With free input shaft

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

Delik milli, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişlili, Motorlu redüktör

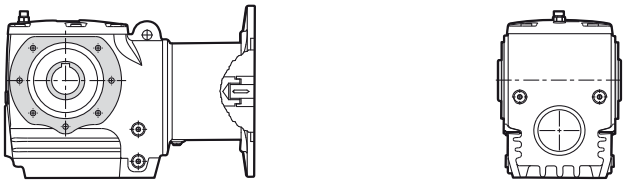
Helical worm geared motor, Hollow shaft, Case mounted, Flange B14, With motor



PSH 2080...DG/B14 - IEC 80

Delik milli, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişlili, IEC adaptörlü redüktör

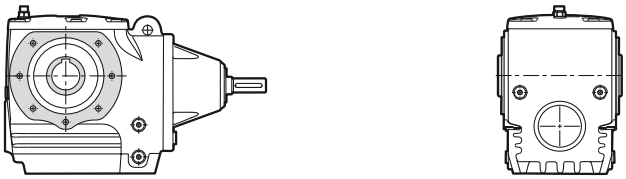
Helical worm geared motor, Hollow shaft, Case mounted, Flange B14, With IEC adapter



PSH 2080...DG/B14 - W

Delik milli, Gövdeden montajlı, B14 Flanşlı Helisel sonsuz dişlili, W kovanlı redüktör

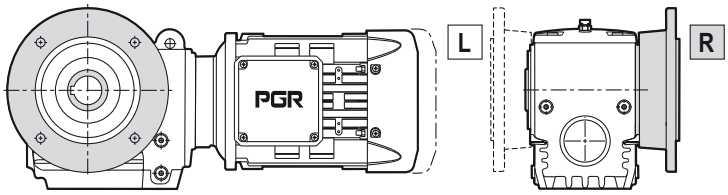
Helical worm geared motor, Hollow shaft, Case mounted, Flange B14, With free input shaft



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

Delik milli, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, Motorlu redüktör

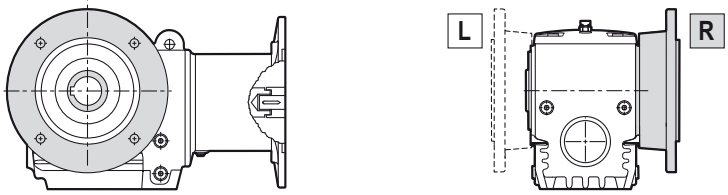
Helical worm geared motor, Hollow shaft, Case mounted, Flange B5, With motor



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

Delik milli, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, IEC adaptörlü redüktör

Helical worm geared motor, Hollow shaft, Case mounted, Flange B5, With IEC adapter



PSH 2080...DG/B5 - W R

Delik milli, Gövdeden montajlı, B5 Flanşlı Helisel sonsuz dişlili, W kovanlı redüktör

Helical worm geared motor, Hollow shaft, Case mounted, Flange B5, With free input shaft

TR SİPARİŞ ÖRNEĞİ

EN EXAMPLE FOR ORDERING

PSH 2100 10,73 DG/KS - 132 M / 4 BRE R

PSH

Tip (POLAT Helisel - Sonsuz Redüktör)
Type (POLAT Helical - Worm Gearbox)

2
Kademe
Reduction
2
3
69-93

2100

100
Sonsuz dişli merkezi ile çıkış şaftı merkezleri arası uzaklık
Distance between center of the worm gear and center of output shaft
040 050 063 080
100 125
69-93

10,73

İges: Tahvil
İges: Reduction
51-67

DG/KS

Standart Ürünler
Available standard products
DG/KS: Delik Milli, Konik Sıktırmalı
DG/KS: Hollow Shaft, Shrink Disc Connector

TMA ÇMA 25 - 27
DG/B14 DG/B5 DG/KS DG/TK DG/Ç
DG/Ç-KK TMG/B5 DG/KS-KK

132 M / 4 BRE

IEC
IEC
63
71
80
90
100
112
132
160

W
W

Motorlu
With Motor

Gövde Büyüklüğü
Case Width
63 M
71 M
80 M
90 S/L
100 L
112 M
132 S/M
160 M/L

Kutup sayısı
Number of Poles
2
4
6
4 - 2
8 - 2

Diğer Kutup kombinasyonları istendiğinde karşılanacaktır.
Other pole combinations on request

Motor Aksesuarları
Motor Accessories
BRE
RG
SR
HL
TF
TW
WU
EF
ZF
DF
IG
KK/FK
B
22

R

Çıkış Yönü
Output Direction
L/R : Sol/Sağ
L/R : Left/Right
25 - 27

TR YAĞLAMA

Çalıştırmadan veya uzun süreli olarak depoya kaldırmadan önce kör tapa sökülüp, havalandırma tapası takılarak aşırı basınç ve yağ sızıntısı önlenmelidir.

Redüktörler fabrikadan çalışmaya hazır ve sentetik yağ doldurulmuş olarak gönderilirler. Bütün dişli üniteler aşağıdaki tablonun ortam sıcaklığı sütununda listesi verilen yağlayıcı (normal) ile dolu olarak sevk edilirler. Diğer ortam sıcaklıkları için listede verilen yağlayıcılar ek ücret karşılığında temin edilebilir.

Yağlayıcı her 10000 çalışma saatinde veya 2 yıl sonra değiştirilmelidir. Sentetik yağlar için yağ değişikliği her 20000 çalışma saatinde veya 4 yıl sonra yapılmalıdır. Zorlu çalışma koşullarında örneğin yüksek rutubet ve büyük sıcaklık değişimleri ve kötü çevre şartları gibi durumlarda daha kısa aralıklarla yağ değişimi yapılması tavsiye edilir. Yağ değişiminin üniteyi komple temizleme işlemi ile birleştirilmesi önerilir. Rulman içerisindeki gres her 10000 çalışma saatinde değiştirilmeli ve yeni gres ile doldurulmalıdır. Bu işlem yapılırken rulmanın 1/3 ünün gresle dolu olması sağlanmalıdır.

EN LUBRICATION

Lubricating oil properties and selection of oil must be correct for the reducers to have long life and to run with good performance. In order to prevent oil leakage during long period storage due to inner pressure, top plug should be removed according to assembly type and venting plug should be mounted.

Reducers are delivered as being filled with synthetic oil. Following tables are presented properties of oils depend on ambient temperature. Gear units which is W or IEC adapter type and gear motors are charged with lubricant. Ambient temperature is played important role for choosing lubricant. Relation between ambient temperature and properties of oils are shown in table.

Lubricants must be changed every 10000 hours or after two years, but this time changes when synthetic oil is used. Lubricants must be changed every 20000 hours or after four years where synthetic oil is used. However, operating conditions should be considered for changing oil time eg. in aggressive environment large temperature changing, oil must be changed frequently. For bearings grease should be changed every 10000 running time and it should be done with fresh grease and least 1/3 of bearing must be covered.

Not: Sentetik ve mineral yağlayıcılar birbirine karıştırılmamalıdır.
Note: Consider that different kind of oil (synthetic and mineral oil) should not be mixed.

Redüktör Tipi Type of gearbox	Yağ Tipi Type of Lubricant	Ortam Sıcaklığı Ambient Temp. °C	ISO vizkozite sınıfı ISO viscosity class	SHELL	MOBİL	BP	ESSO	DEA	ARAL	CASTROL	TRIBOL	KLÜBER
Helisel Dişlili Redüktör Helical Gearboxes	Mineral yağ Mineral oil	- 5...40 Normal -15...25 # - 50...-15	ISO VG 220 ISO VG 100 ISO VG 15	Shell Omala Oel 220 Shell omala Oel 100 Shell Tellus Oel T 15	Mobilgear 600 XP 220 Mobilgear 600 XP 150 Mobil DTE 10 Excel 15	Energol GR-XP 220 Energol GR-XP 100 Bartran HV 15	Spartan EP 220 Spartan EP 100 Univis J 13	Deagear DX SAE 85W-90 Falcon CLP 220 Deagear DX SAE 80W Falcon CLP 150 Alrkraft Hydraulic Oil 15	Degol BG 220 Degol BG 100 Vitamol 1010	Alpha SP 220 Alpha MW 220 Alpha MAX 220 Alpha SP 100 Alpha MW 100 Alpha MAX 220 Hyspin AWS 15 Hyspin SP 15 Hyspin ZZ 15	Tribol 1100/220 Tribol 1100/100 Tribol 770	Klüberoil GEM 1-220 Klüberoil GEM 1-100 Isoflex MT 30 rot
	Sentetik yağ Synthetic oil	- 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
	Biyolojik Sentetik yağ Biodegradable oil	- 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	- 25...80	ISO VG 220	Cassida 220	Mobil SHC Cibus 220		GEAR OIL FM 220	Renolin 220	Degol FG 220	OPTIMOL optileb GE 220	Tribol Food Proof 1810/220	Klüberoil 4UH1 - 220
	Akışkan sentetik gres Synthetic fluid grease	- 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
Rulmanlar Anti Friction Bearings	Mineral yağlı gres Mineral oil grease	- 30...60 Normal # - 50...110		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
	Sentetik gres Synthetic grease	# - 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

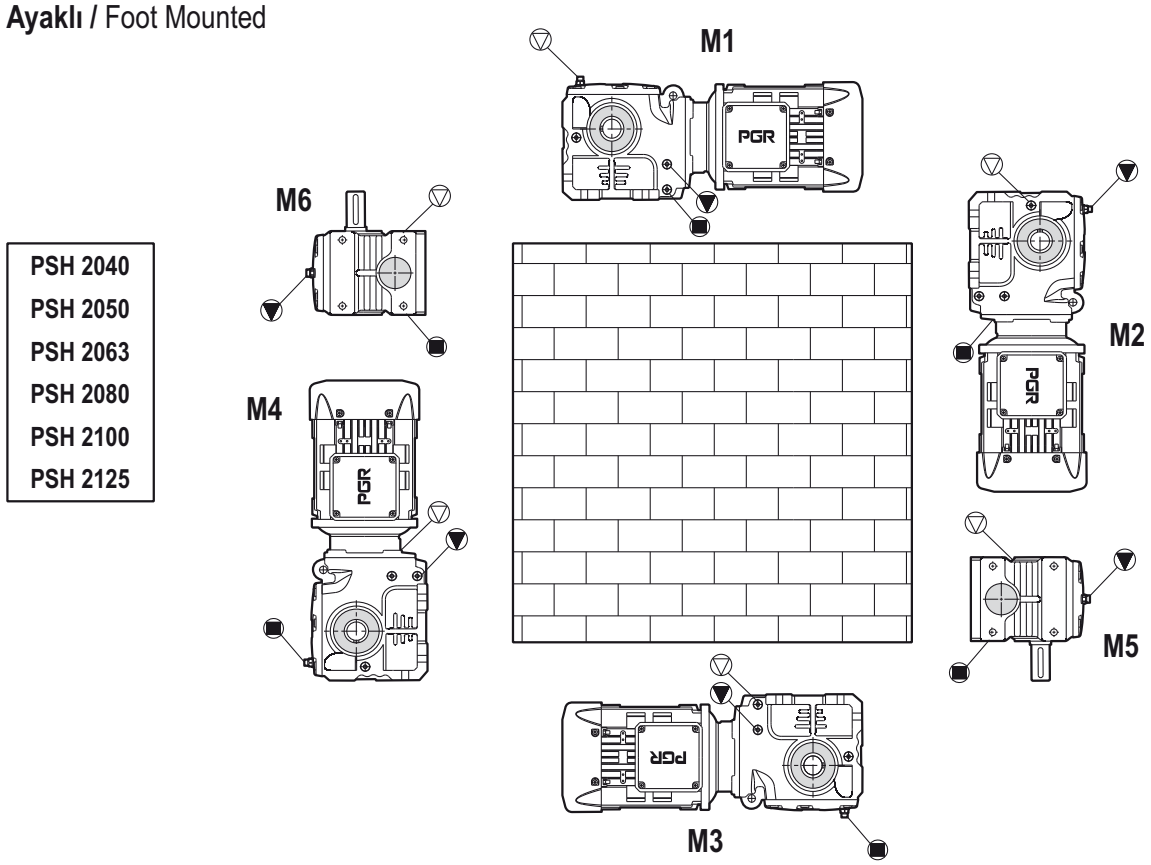
-30°C altında ve 60°C üzerindeki ortam sıcaklıklarında şafttaki sızdırmazlık elemanı için özel kalitedeki malzeme kullanılmalıdır.

Different materials should be used for sealing rings at operation temperature where temperature is below -30 ºC and above 60 ºC.

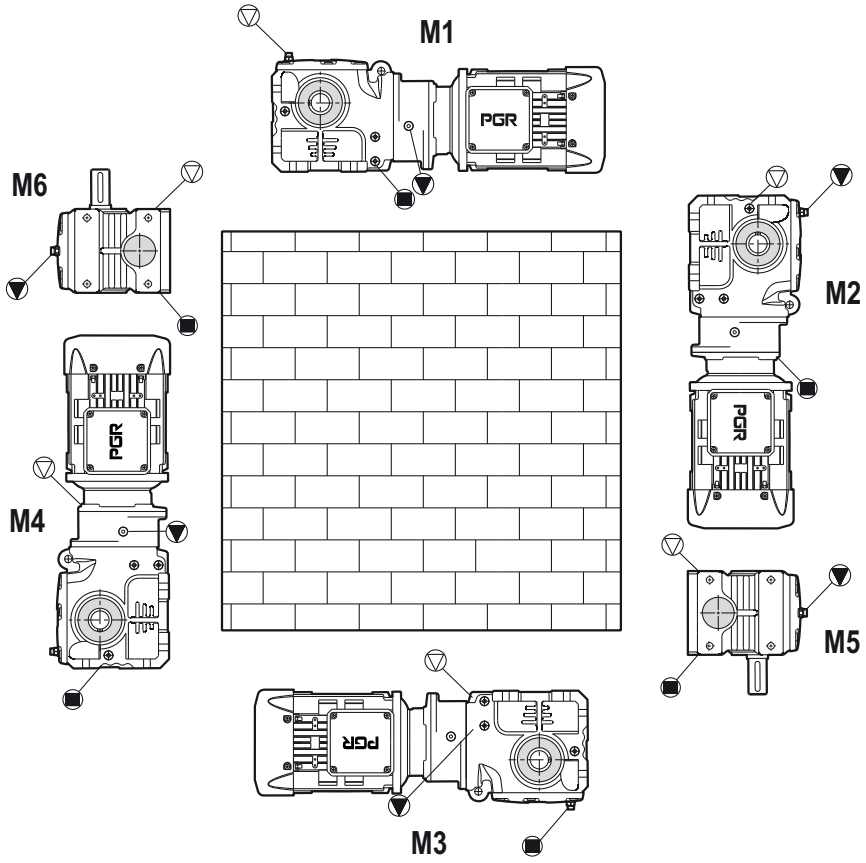
TR MONTAJ POZİSYONLARI

EN MOUNTING POSITIONS

PSH Ayaklı / Foot Mounted



PSH 2040
PSH 2050
PSH 2063
PSH 2080
PSH 2100
PSH 2125



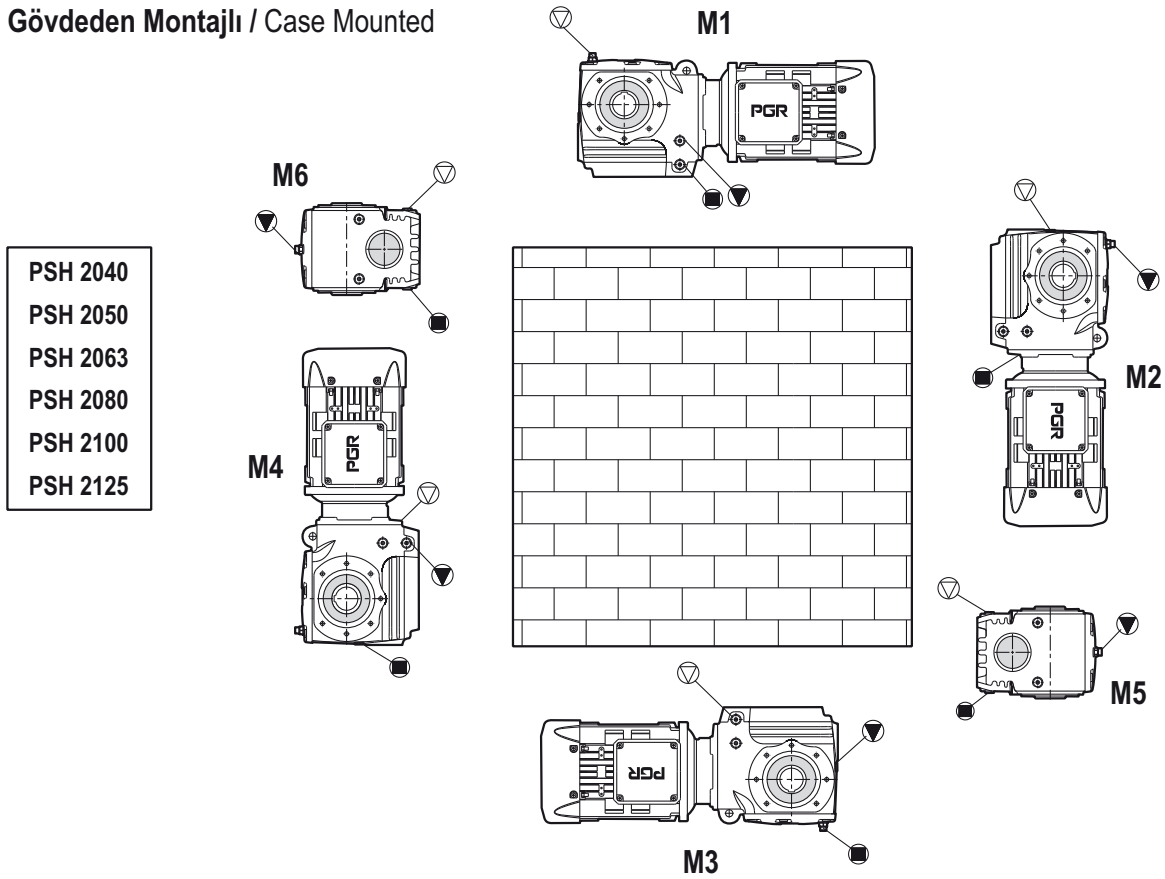
PSH 3050
PSH 3063
PSH 3080
PSH 3100
PSH 3125

Havalandırma tapası / Vent plug **Boşaltma tapası** / Drain plug **Yağ Seviye tapası** / Oil level

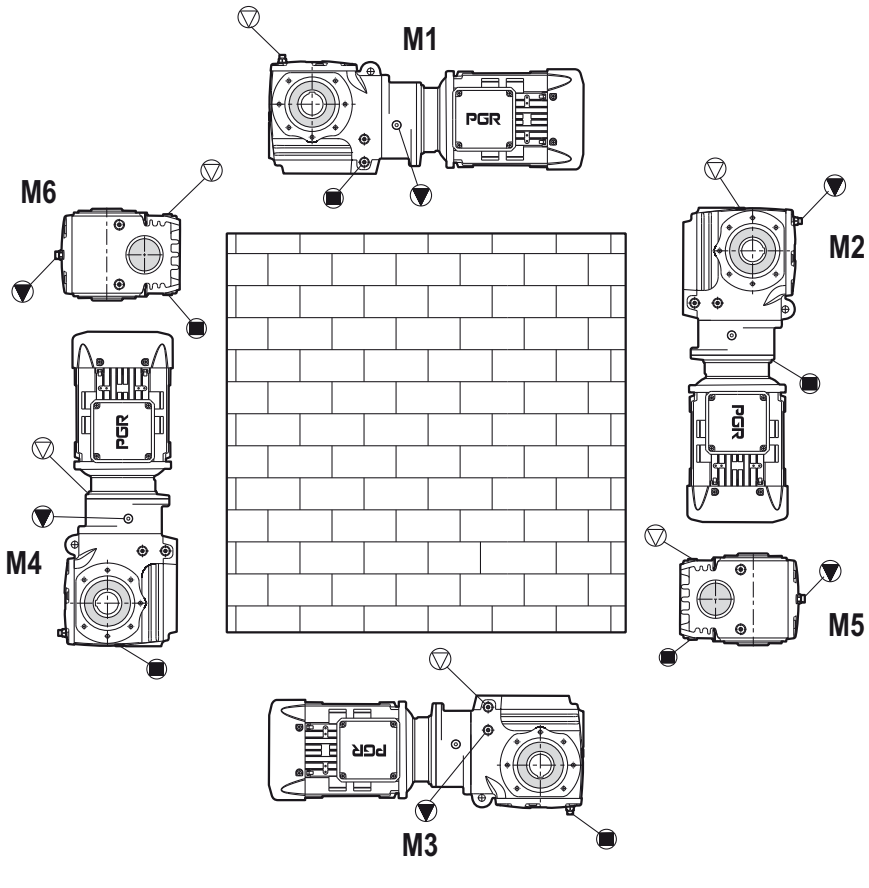
TR MONTAJ POZİSYONLARI

EN MOUNTING POSITIONS

PSH Gövdeden Montajlı / Case Mounted



PSH 2040
PSH 2050
PSH 2063
PSH 2080
PSH 2100
PSH 2125



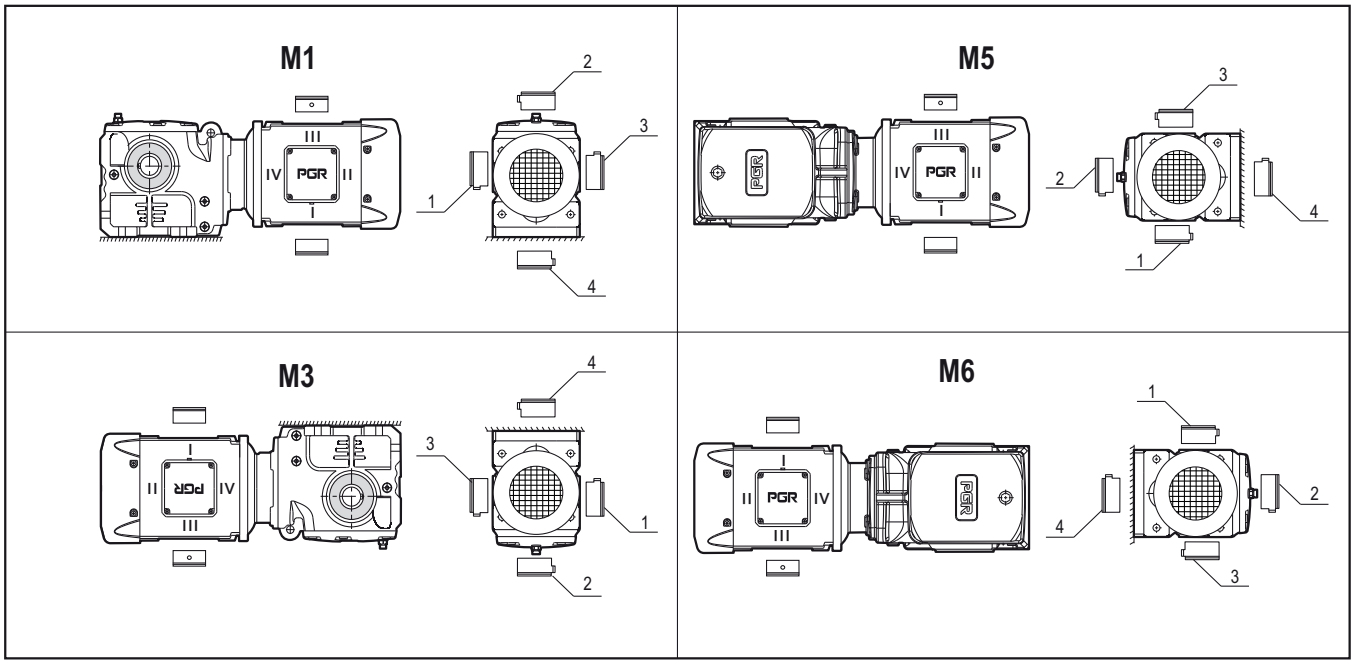
PSH 3050
PSH 3063
PSH 3080
PSH 3100
PSH 3125

Havalandırma tapası / Vent plug **Boşaltma tapası** / Drain plug **Yağ Seviye tapası** / Oil level

TR MONTAJ POZİSYONLARI

EN MOUNTING POSITIONS

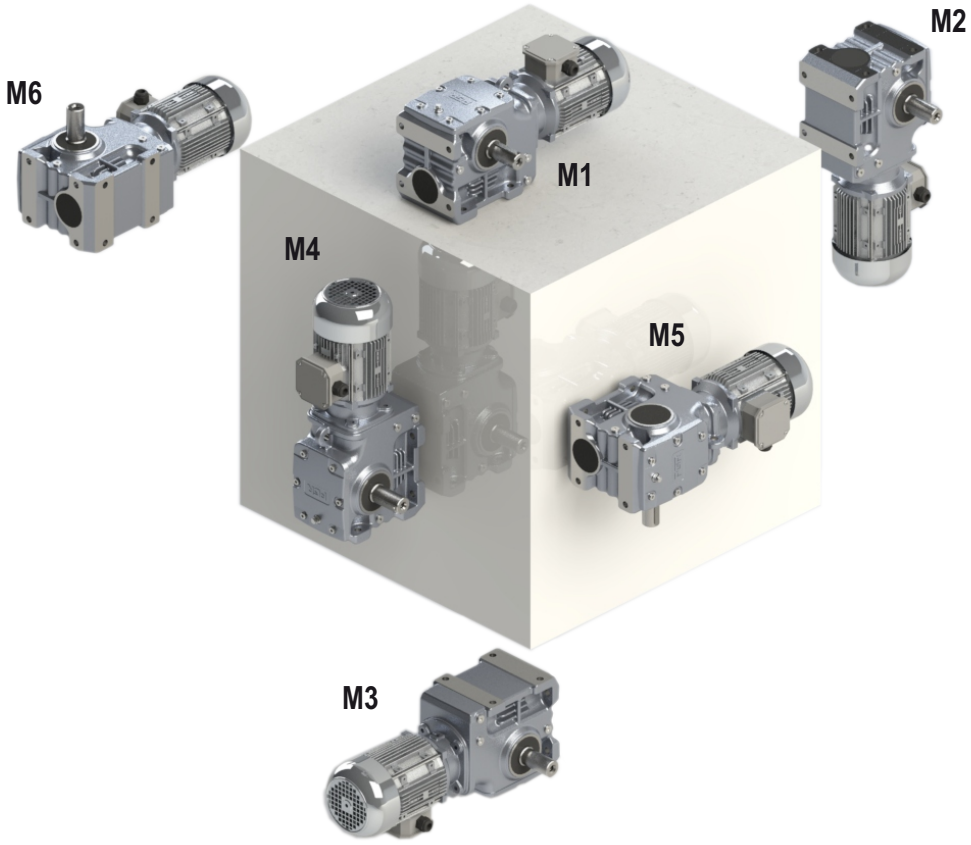
TERMİNAL KUTUSU VE KABLO GİRİŞ YÖNLERİ / POSITION OF TERMINAL BOX AND CABLE ENTRY

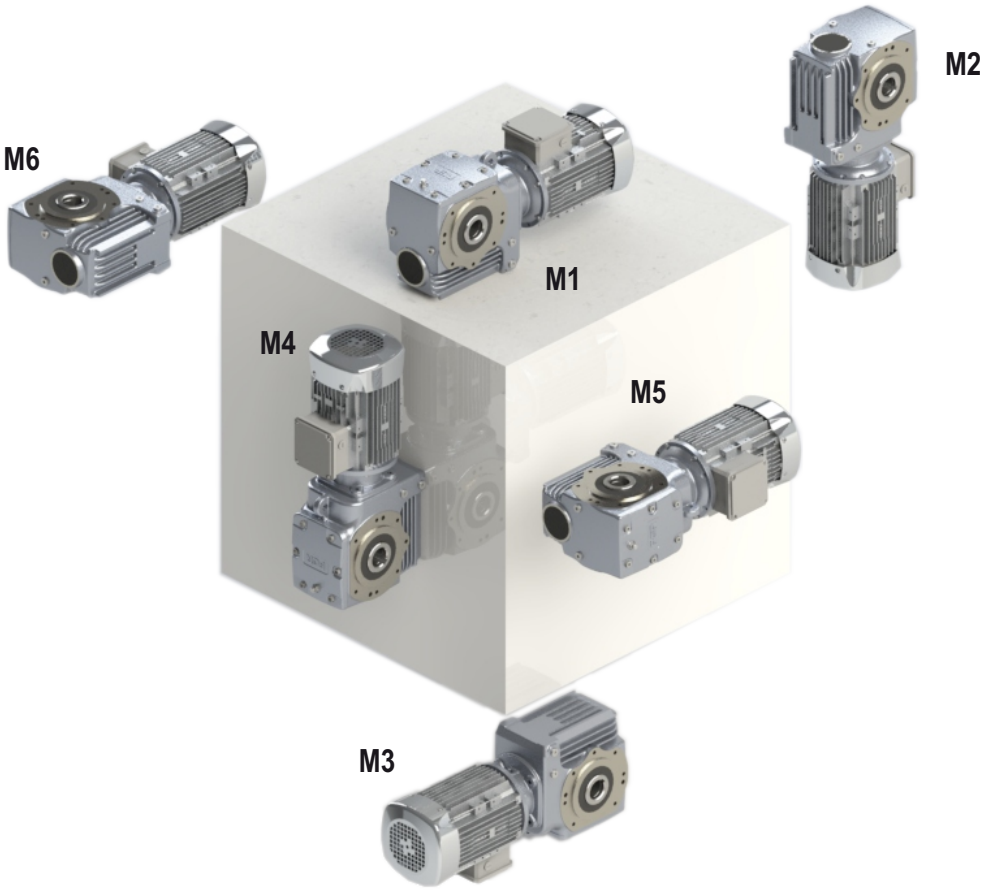


TR MONTAJ POZİSYONLARI

EN MOUNTING POSITIONS

Ayak Montajlı
Foot Mounted





Gövdeden Montajlı
Case Mounted

TR YAĞ MİKTAR TABLOSU

EN LUBRICATION LEVELS

(Litre) (L)	**Ayak Montajlı** / Foot Mounted						**Gövdeden Montajlı** / Case Mounted					
												
30-33	**M1**	**M2**	**M3**	**M4**	**M5**	**M6**	**M1**	**M2**	**M3**	**M4**	**M5**	**M6**
PSH 2040	0.50	0.65	0.65	0.65	0.55	0.55	0.55	0.85	0.80	0.65	0.55	0.55
PSH 2050	0.60	1.25	0.80	1.20	0.75	0.75	0.40	1.35	0.85	1.20	0.95	0.95
PSH 2063	0.45	1.80	1.35	1.65	1.05	1.05	0.45	1.60	1.25	1.60	1.35	1.35
PSH 2080	0.90	2.75	1.90	3.00	1.85	1.85	0.70	3.00	2.25	3.30	2.30	2.30
PSH 2100	1.60	6.00	3.80	5.95	3.50	3.50	1.35	6.40	4.40	6.40	4.00	4.00
PSH 2125	3.10	12.10	6.90	11.30	6.40	6.40	3.00	11.2	6.70	10.40	6.80	6.80

(Litre) (L)	**Ayak Montajlı** / Foot Mounted						**Gövdeden Montajlı** / Case Mounted					
												
30-33	**M1**	**M2**	**M3**	**M4**	**M5**	**M6**	**M1**	**M2**	**M3**	**M4**	**M5**	**M6**
PSH 3050	0.95	1.60	1.20	1.50	1.00	1.00	0.85	1.75	1.10	1.70	1.20	1.20
PSH 3063	0.90	2.40	1.75	2.10	1.30	1.30	0.90	2.10	1.50	1.95	1.60	1.60
PSH 3080	1.80	3.35	2.30	3.70	2.10	2.10	1.15	3.90	2.50	3.80	2.55	2.55
PSH 3100	2.20	8.10	4.40	7.35	4.00	4.00	2.15	6.90	5.00	7.10	4.45	4.45
PSH 3125	5.10	15.10	7.90	14.50	7.30	7.30	4.00	12.90	7.70	12.1	7.70	7.70

TR KİLİT

Opsiyonel olarak kilitlerimiz mevcuttur. Bu kilitler tek yöne dönmeye izin verirken, diğer yöne dönmeyi engeller. 63 gövde ve üzeri üç fazlı motorlar, W kovanları ve IEC adaptörleri yağlanması yapılmış kilit ile donatılabilir. Bu kilitler çıkartılabilir, merkezkaç kuvveti tarafından kontrol edilir ve yaklaşık olarak 900 d/dk üzerine çıktıktan sonra aşınmaya maruz kalır.

Kilit mekanizmalı redüktörler için çıkış şaftının veya milinin dönme yönünün verilmesi gerekir. **Dönme yönü çıkış şaftına veya çıkış miline göre düzenlenir.**
Kararlaştırılan dönme yönü için, tarif edilen dönme yönü her zaman çıkış şaftına veya miline göre düzenlenir. Delik milli redüktörler ise konik sıktırma tarafından belirlenir.

DİKKAT: Motoru ve sistemi çalıştırmadan önce redüktörün dönme yönünü kontrol ediniz. Redüktör üzerindeki oklar dönme yönünü gösterir.

Bloke edilen yön **CCW** ise Dönme Yönü **CW**

Bloke edilen yön **CW** ise Dönme Yönü **CCW**

CW : Saat yönü

CCW : Saat yönü tersi

EN BACKSTOP

Backstop system is available for all type of helical gear unit. Lubricated backstop system could be used optionally for using motor size 63 and greater, W cylinder and IEC adapters. Backstop system permits just one direction rotation it resists another direction rotation. Rotation speed is important for abrasion. Nearly 900 min^{-1} and greater rotation speed influece abration. Please, determine direction of rotation when you offer. **Direction of rotation should be determined according to output shaft.**

Arrows which is designated by 'CW' or 'CCW' shows locking direction from viewing at face of output shaft end. For hollow shafts gearboxes this direction determined by shrinkdisc side.

Precaution: When you receive gear units, please check direction of rotation before running or installation for avoid damage.

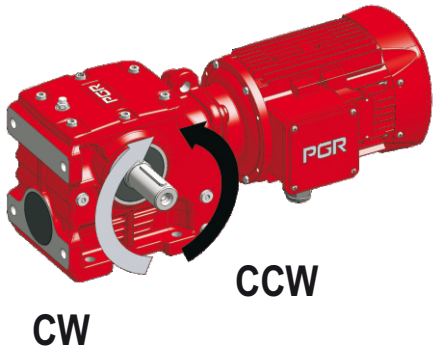
If Locking direction is **CCW,** Rotational direction is **CW**

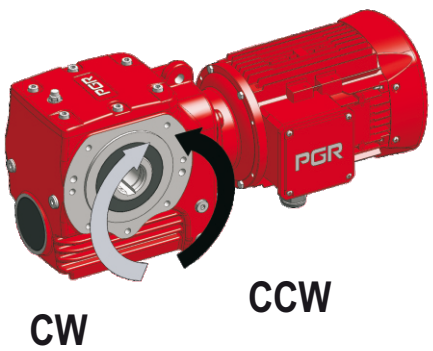
If Locking direction is **CW,** Rotational direction is **CCW**

CW : Clockwise rotation

CCW : Counterclockwise rotation

Tip Type	**Çıkış Şaftı Dönüş Yönü: CW** Output shaft rotational direction: CW	**Çıkış Şaftı Dönüş Yönü: CCW** Output shaft rotational direction: CCW
2 kademe helisel - sonsuz redüktör **PSH 2040... PSH 2125** **Çıkış şaftı L veya konik sıktırma R'de** 2-stage helical worm gear motor: PSH 2040... PSH 2125 Output shaft position L or shrink disc at R	**Motor Dönüş Yönü CW** Motor rotational direction CW	**Motor Dönüş Yönü CCW** Motor rotational direction CCW
2 kademe helisel - sonsuz redüktör **PSH 2040... PSH 2125** **Çıkış şaftı R veya konik sıktırma L'de** 2-stage helical worm gear motor: PSH 2040... PSH 2125 Output shaft position R or shrink disc at L	**Motor Dönüş Yönü CCW** Motor rotational direction CCW	**Motor Dönüş Yönü CW** Motor rotational direction CW
3 kademe helisel - sonsuz redüktör **PSH 3050... PSH 3125** **Çıkış şaftı L veya konik sıktırma R'de** 3-stage helical worm gear motor: PSH 3050... PSH 3125 Output shaft position L or shrink disc at R	**Motor Dönüş Yönü CCW** Motor rotational direction CCW	**Motor Dönüş Yönü CW** Motor rotational direction CW
3 kademe helisel - sonsuz redüktör **PSH 3050... PSH 3125** **Çıkış şaftı R veya konik sıktırma L'de** 3-stage helical worm gear motor: PSH 3050... PSH 3125 Output shaft position R or shrink disc at L	**Motor Dönüş Yönü CW** Motor rotational direction CW	**Motor Dönüş Yönü CCW** Motor rotational direction CCW





TR TOLERANSLAR

MOTOR VE REDÜKTÖRLERDE BOYUT - ÇİZİM BİLGİLERİ

Motor ölçüleri istenen opsiyona göre ölçüleri 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
> Ø 38 - Ø 50	M16
> Ø 50 - Ø 85	M20
> Ø 85 - Ø 130	M24

69-91

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

GEARED MOTORS AND GEARBOXES INFORMATION REFERRING TO 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 heavy-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
> Ø 38 - Ø 50	M16
> Ø 50 - Ø 85	M20
> Ø 85 - Ø 130	M24

69-91

Keyways are machined according to DIN 6885, sheet 1

Shaft heights are machined according to "h" to DIN 747

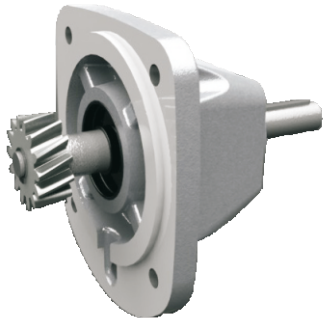
FLANGES

Diameter tolerance of flange centering is machined according to (DIN 42948);

≤ Ø 230 mm to ISO j6,
> Ø 230 mm to ISO h6

TR W VE IEC ADAPTÖRLERİN AĞIRLIK TABLOSU

EN WEIGHTS TABLE OF W AND IEC ADAPTERS



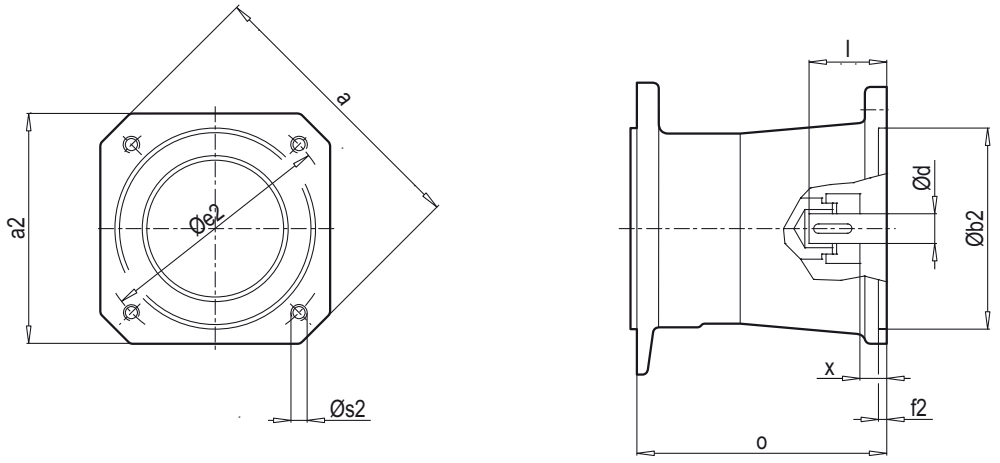
Ağırlıklar (Yaklaşık kg) / Weights (Approx. kg)									
TİP TYPE	**W**	**IEC**							
		63	**71**	**80**	**90**	**100**	**112**	**132**	**160**
PSH 2040	9	10	11	13	13	-	-	-	-
PSH 3050	23	24	25	-	-	-	-	-	-
PSH 2050	18	19	20	23	23	-	-	-	-
PSH 3063	27	28	29	-	-	-	-	-	-
PSH 2063	22	23	24	27	27	34	-	-	-
PSH 3080	37	38	39	-	-	-	-	-	-
PSH 2080	32	33	34	37	37	44	44	-	-
PSH 3100	65	66	67	70	70	-	-	-	-
PSH 2100	63	-	61	65	65	69	69	78	-
PSH 3125	119	-	117	121	121	125	125	-	-
PSH 2125	112	-	-	-	107	114	114	128	138

TR SERVOMOTOR ADAPTÖRÜ

EN SERVOMOTOR ADAPTERS

SERVOMOTOR MONTAJI İÇİN ADAPTÖR
ADAPTER FOR MOUNTING SERVOMOTOR

SEP TİPİ
TYPE SEP



Redüktör Tipi Gear Unit Type	Motor Büyüklüğü / Motor Size							Şaft Ebatı Shaft Size		Silindir Cylinder	M_{knom} [Nm]	Adaptör Tipi Adapter Type
	a	a2	b2	e2	f2	s2	x	d	l	o		
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

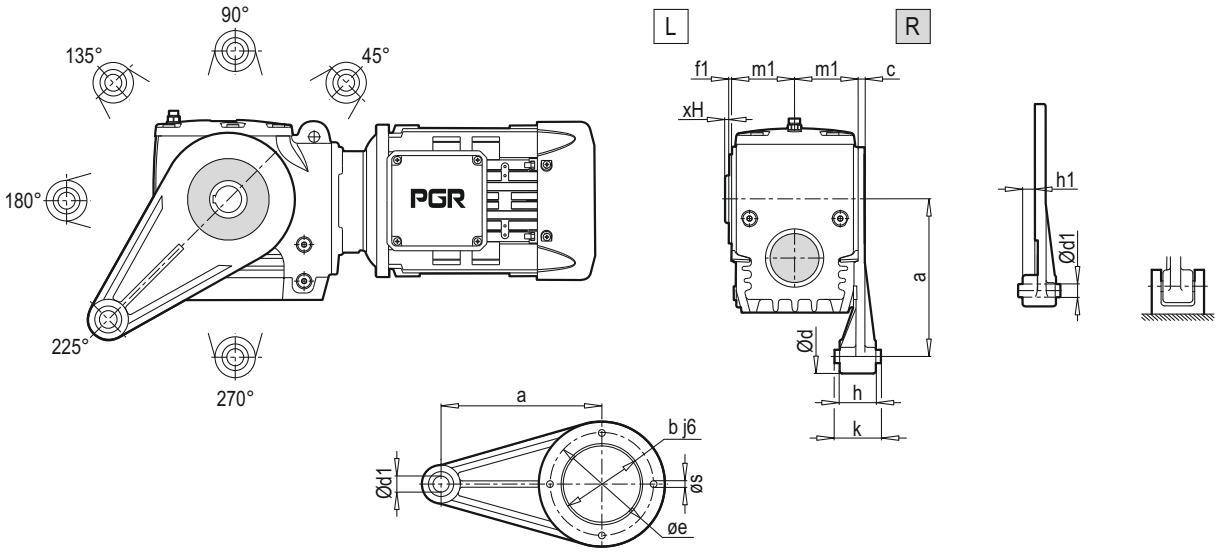
SEP tipi servo motor bağlantı adaptörünün bağlantısı kamalı olarak yapılmaktadır. SEK tiplerinde ise servo motor adaptörünün bağlantısı setuskur civata sıktırması ile yapılmaktadır.
Servo motor bağlantı adaptörünün bağlantı flanşının farklı olması durumunda yüksek adetteki siparişler üretime alınır.

For connecting SEP adapter which is shown above on this page, 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.

TR TORK KOLU

EN TORQUE ARM

PSH 2040 DG/TK ... PSH 2125 DG/TK
PSH 3050 DG/TK ... PSH 3125 DG/TK



NOT : PSH 2040 için sadece 90° - 180° - 270°
NOTE : Only 90° - 180° - 270° for PSH 2040

Tip / Type	Montaj Ölçüleri / Mounting Dimensions											Ana Ölçüler / Outline Dimensions	
	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	130	95	14	40	10.5	3	32	10	36	9	115	60	3
PSH 3050 DG/TK	130	95	14	40	10.5	3	32	10	36	9	115	60	3
PSH 2063 DG/TK	160	95	14	40	10.5	3	32	11.5	36	9	115	67	4
PSH 3063 DG/TK	160	95	14	40	10.5	3	32	11.5	36	9	115	67	4
PSH 2080 DG/TK	200	130	13.5	40	10.5	4	32	9	36	11	165	75	5
PSH 3080 DG/TK	200	130	13.5	40	10.5	4	32	9	36	11	165	75	5
PSH 2100 DG/TK	250	180	16	60	16.5	4	56	20.5	60	14	215	92	5
PSH 3100 DG/TK	250	180	16	60	16.5	4	56	20.5	60	14	215	92	5
PSH 2125 DG/TK	310	230	18	60	16.5	4	56	29.5	60	14	265	115	6
PSH 3125 DG/TK	310	230	18	60	16.5	4	56	29.5	60	14	265	115	6

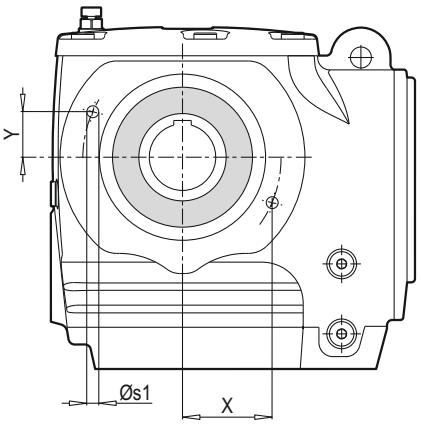
Sipariş verirken tork kolunun pozisyonunu belirtiniz. (Örn. 180°)
Tork kolu L yada R tarafına bağlanabilir.

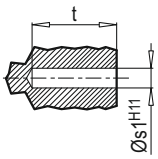
Determine position of torque arm when commission.(e.g. 180°)

Determine mounted and connecting position for instance side L or side R of gear unit when you commission.

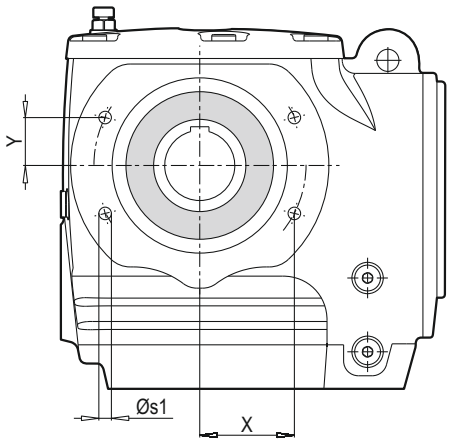
TR MERKEZLEME PİMİ

EN GUIDE PINS





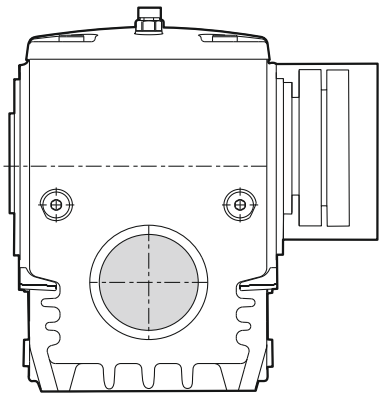
PSH 2050 DG ... PSH 3100 DG



PSH 2125 DG ... PSH 3125 DG

TİP / TYPE	$s1^{H11}$ 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 KONİK SIKTIRMA



Konik sıktırma, genellikle kullanıcı milinin karşı tarafına montaj edilmelidir. Şaft çapı ISO h6 veya f6'ya göre imal edilmelidir.

(f6= Kolay montaj)

EN SHRINK DISC

S = h6 veya f6 ile konik sıktırmanın güvenirliliği.

S = Assurance of shrink disc (with h6 and f6 tolerance)

M_A = Civatayı sıkmak için gerekli olan tork

M_A = Screw torque for tightening

Z_S = Vida miktarı

Z_S = Amount of screw

M_{amax} = max. izin verilebilir çıkış momenti

M_{amax} = maximum allowable output moment

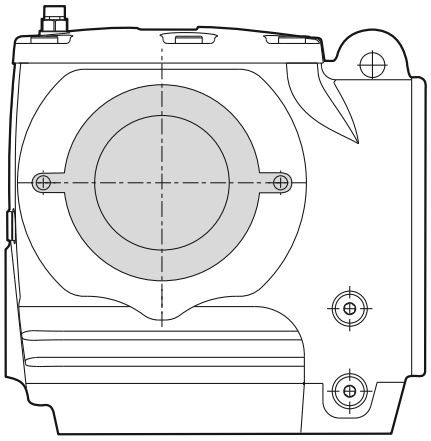
When customer shaft is installed to the gear unit, shrink disc should be mounted on opposite side of it. Customer diameter shaft should be machined according to ISO h6 or f6 tolerances.

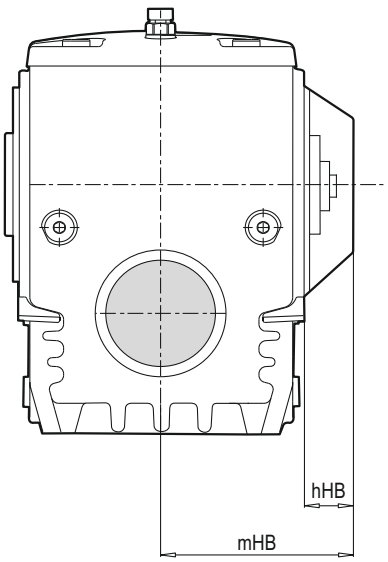
(f6= For easy assembling)

Redüktör Tipi Gearbox Type	**Konik Sıktırma** Shrink Disc				**Hexagonal Screw** Altıköşe Başlı Civata 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

TR KORUMA KAPAĞI

EN COVER

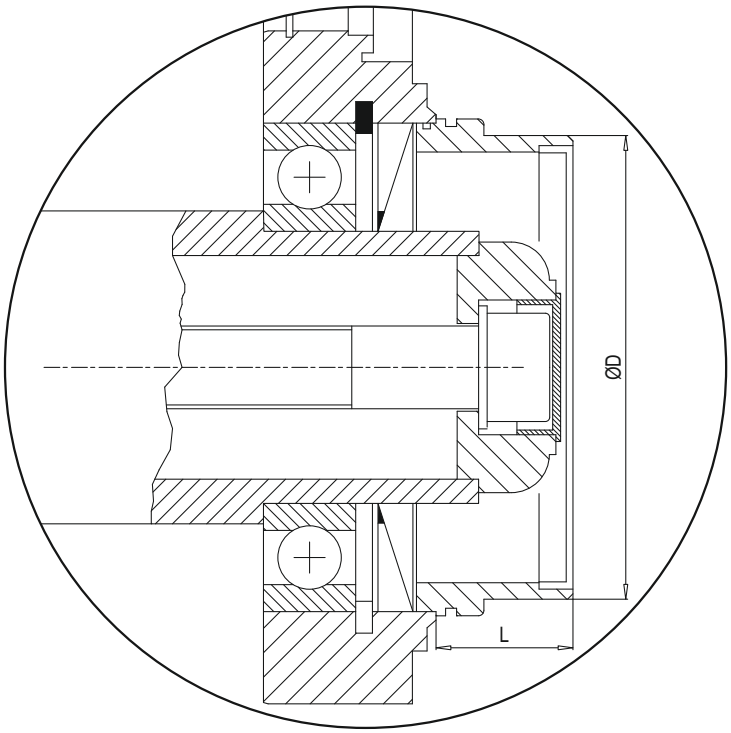




TİP / TYPE	**hHB**	**mHB**
PSH 2050 DG/KK **PSH 3050 DG/KK**	38	98
PSH 2063 DG/KK **PSH 3063 DG/KK**	38	105
PSH 2080 DG/KK **PSH 3080 DG/KK**	42	117
PSH 2100 DG/KK **PSH 3100 DG/KK**	50	142
PSH 2125 DG/KK **PSH 3125 DG/KK**	54	169

TR IP 66 UYGULAMASI

EN PROTECTION IP 66

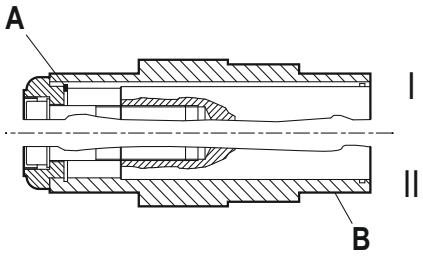


TİP / TYPE	ØD	L
PSH 2050 **PSH 3050**	81	25
PSH 2063 **PSH 3063**	86	28
PSH 2080 **PSH 3080**	105	35
PSH 2100 **PSH 3100**	136	40
PSH 2125 **PSH 3125**	151	40

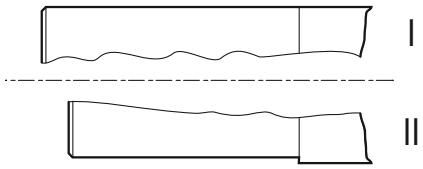
TR ÇEKTİRME

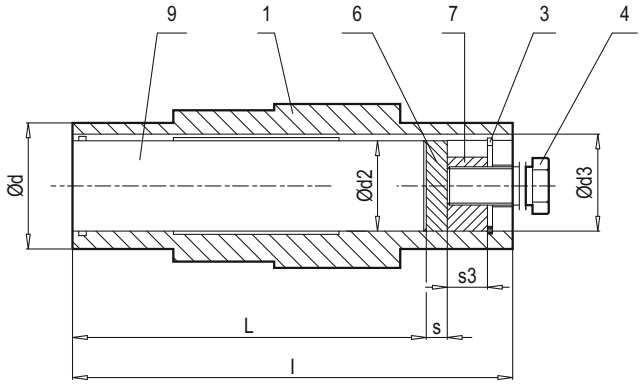
Çektirme elemanları
Çektirme elemanlar, şaft montajlı dişli ünitelerinde opsiyonel olarak bulunur.
Kullanım Şartları:
- Kullanılacak milin merkezinde DIN 332/2 standardında bir delik açılmalı.
- Mil, faturalı yada faturasız olsa da,çektirme elemanları ile sabitlenebilir.
- I 'deki montaj kullanıldığında,mil,şaftın içinde bulunan segman ile tutturulur. (Parça A)
- II 'deki montaj kullanıldığında, milin üzerinde bulununan bilezik (manşon) kullanılarak doğrudan delik mil üzerine tutturulur. (Parça B)

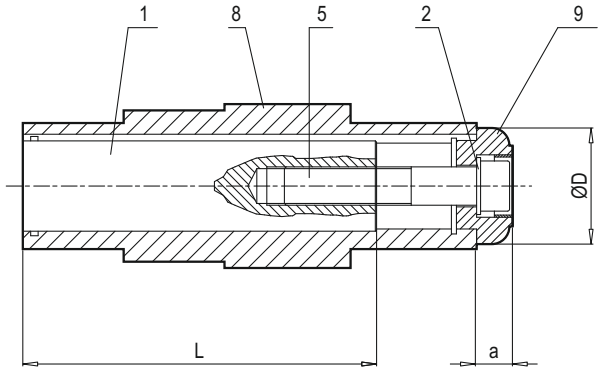
EN FIXING AND FORCING ELEMENTS



Fixing elements
This is used for shaft mounted designs and it should be specified when ordering because there are some requirements for use.
Using conditions:
- Centre bore must be machined appropriately DIN 332/2.
- Solid shaft could be mounted either with a shaft shoulder (II) or without shaft shoulder (I)
- Solid shaft which is without shaft shoulder is mounted with using retainin ring (A)
- Solid shaft which is with shaft shoulder is mounted with using spacer







DEMONTAJ
DISASSEMBLY

L= max. kullanıcı şaft boyu
L= maximum length of the solid shaft

MONTAJ
ASSEMBLY

1) Kullanıcı 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) Delik mil
9) Disk

*Dikkat, yıldızlı ürünler PGR tarafından temin edilmez.

DEMONTAJ:
1) Alyanbaşlı civatayı sökünüz. (poz.5)
2) Diski çıkarınız. (poz.9)
3) Yaylı rondelayı takınız. (poz.6)
4) Somunu yerleştiriniz. (poz.7)
5) Segmanı takınız. (poz.3)
6) Çektirme civatasını basarak çevirerek kullanıcı milini şafttan ayırınız.(poz.4)

KOŞULLAR:
Kullanıcı mili DIN 332/2' e göre merkezine diş açılmış delik gerekmektedir.
Müşteri mili "L" uzunluğunu geçmemelidir aksi halde çektirme elementi uygulanamaz. (poz. 5,6,7)

MONTAJ:
1) Kullanıcı milini şaftın içerisine yerleştiriniz. (poz.8)
2) Diski (poz.9) şaftın içerisine yerleştiriniz.
3) Disk ile alyan başlı civata ve rondelayı sabitleyiniz. (poz.2-5)
Yukarıdaki bütün ölçüler Sonsuz - helisel - Tip W, Tip IEC ve Sonsuz - helisel dişli motorları için geçerlidir.

1) Customer's shaft
2) Washer DIN 127
3) Circlip DIN 472*
4) Jacking screw*
5) Socket head screw DIN 912
6) Thrust washer*
7) Jacking nut*
8) Hollow shaft
9) Disc

*Star signs are shown this item are not provided by PGR

DISASSEMBLING:
1) Loosen the socket head screw (5)
2) Remove disc (9)
3) Immerse thrust washer (6)
4) Tuck jacking nut (7)
5) Mount circlip (3)
6) Remove solid shaft from hollow shaft with using jacking screw (4)

REQUIREMENTS:
Solid shaft which is connected to the hollow shaft, must have machined with a centre bore according to DIN 332/2.
Consider that 'L_{max}' length is important for jacking not using solid shaft's length must not greater than 'L_{max}'.

ASSEMBLING:
1) Immerse customer shaft to the hollow shaft (8)
2) Mount disc to the hollow shaft (9)
3) Fasten disc and washer (2) by tightening socket head screw (5)
Dimensions which are shown above of this page are used for all type of helical - worm gear units. (Type W, IEC adapter and helical - worm geared motor.)

TR ÇEKTİRME ÖLÇÜ TABLOSU

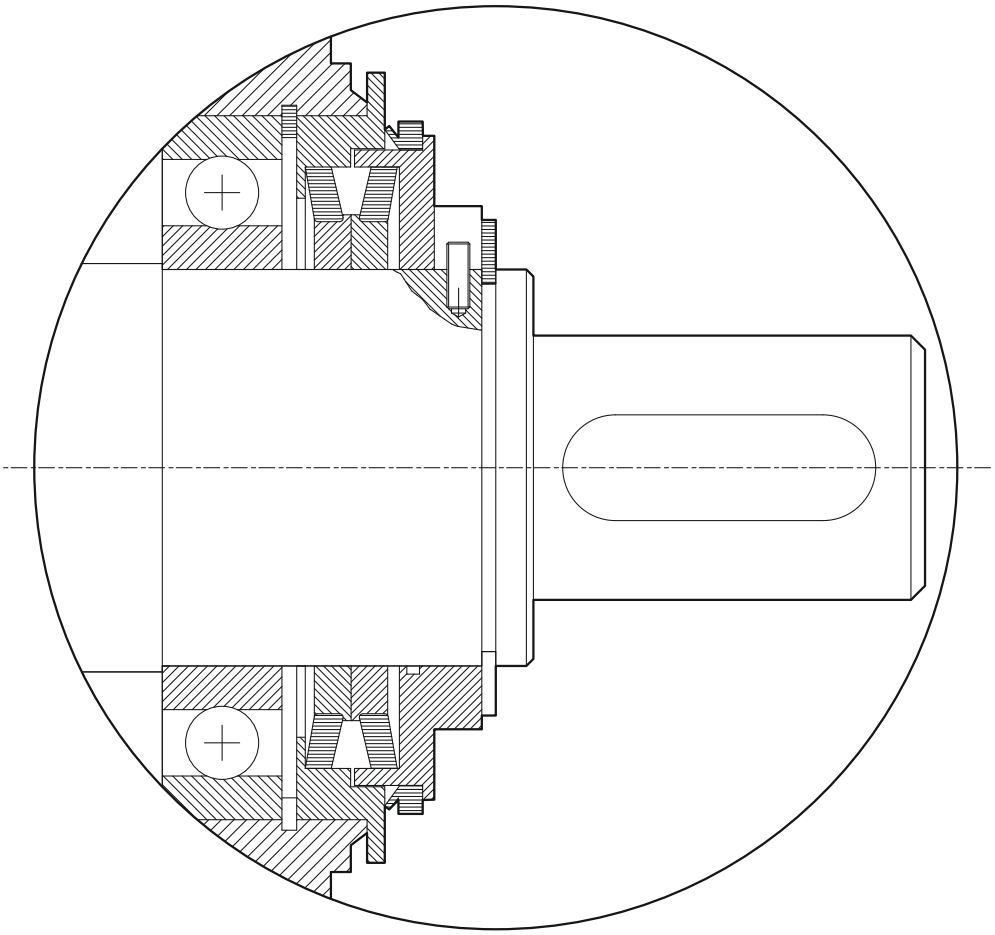
EN DIMENSION TABLE OF FIXING ELEMENT

PSH 2040 DG/Ç ... PSH 2125 DG/Ç

Tip / Type	1 L	2	3	4	5	6 d2	6 s	6 d3	7 s3	7	8 d x mH	9 a	9 D
PSH 2040 DG/Ç	100	A6	I 20 x 1.5	M10	M6 X 30	19.9	3	19.9	10	M10	20 X 120	15	30
PSH 2050 DG/Ç	110 110	A10 A10	I 25 x 1.2 I 30 x 1.2	M12 M12	M10 X 45 M10 X 45	24.9 29.9	3 3	24.9 29.9	12 12	M12 M12	25 X 132 30 X 132	20 20	38 40
PSH 2063 DG/Ç	125 120	A10 A12	I 35 x 1.5 I 40 x 1.75	M12 M16	M10 X 45 M12 X 55	29.9 34.9	3 3	12 16	12 16	M12 M16	30 X 148 35 X 148	20 24.5	40 45
PSH 2080 DG/Ç	135 135	A16 A16	I 40 x 1.75 I 45 x 2.0	M16 M16	M16 X 70 M16 X 70	39.9 44.9	4 4	39.9 44.9	16 16	M16 M16	40 X 168 45 X 168	25 26	55 60
PSH 2100 DG/Ç	165 155	A16 A20	I 50 x 2.0 I 60 x 2.0	M20 M24	M16 X 70 M20 X 70	49.9 59.9	4 5	49.9 59.9	20 24	M20 M24	50 X 202 60 X 202	26 30	65 75
PSH 2125 DG/Ç	205 205	A20 A20	I 60 x 2.0 I 70 x 2.5	M24 M24	M20 X 90 M20 X 90	59.9 69.9	5 5	59.9 69.9	24 24	M24 M24	60 X 250 70 X 250	30 30	75 95

TR MEKANİK KEÇE

EN MECHANICAL SEAL



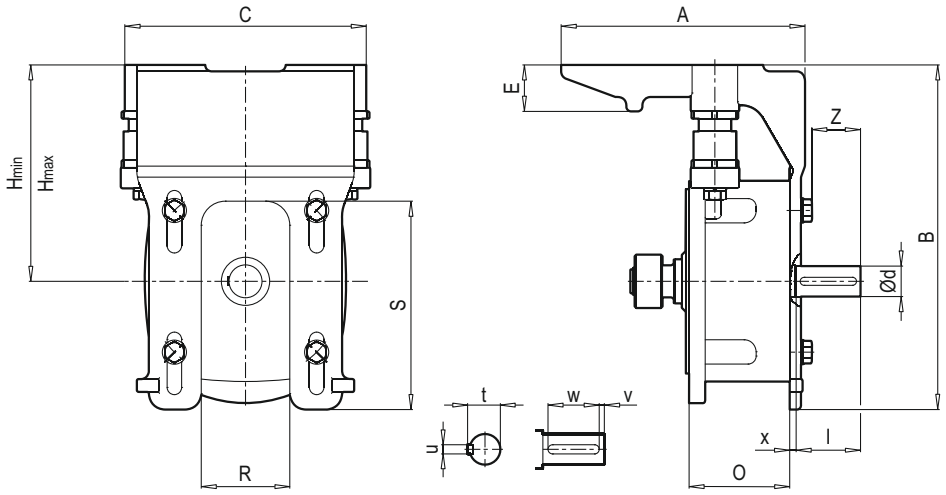
Özellikle aşırı çalışmalarda ve çok kötü çalışma koşullarında uygundur. Daldırmalı veya sulu çalışma ortamlarından etkilenmemektedir. Bu keçe tipi dış çevre koşullarından kesin koruma sağlar.

Seals are important for prevent oil leakage from gear unit and protect from environment. In hazardous environment and extreme operation conditions sealing must be considered. For that reason mechanical seals are aplicable for using at hazardous environment, submerged operation.

TR MOTOR PLATFORMU

EN MOTOR PLATFORMU INSTALLATION

Motor Platformu Ölçüleri
Motor Platform Dimensions



Tip Type	Bağlantı boyutları ve platform ölçüleri Connection and Platform dimensions										Mil Ölçüleri Shaft size				Flanş Flange
	A	B	C	E	R	S	H min	H max	Z	O	d 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 - 200L	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

Motor platform tasarımı PGR monoblok dişli ünitesi serilerinin tüm montaj pozisyonlarında kullanılabilir. 5 motor platformu boyutu tüm motor-redüktör kombinasyonlarını kapsar. Çok kademeli redüktörleri de karşılayan ayrı ayrı redüktörler için seçim tablolarından motor platformları bakılabilir.

* Her montaj pozisyonu için kullanılabilir.
* Optimum kayış gerilimi için kolayca yönlendirilebilen yükseklik ayarlaması yapılabilir.
* Sabitleme elemanlarıda dahil olmak üzere korozyona karşı dirençlidir.
* Hafif, vibrasyonu absorbe eden alümiyum yapı mevcuttur.
* Birçok motor boyutu için kullanım kolaylığı sağlar.
* Tabloya göre "i" oranının 1'e eşit olduğu durumlar için önerilir.
* Her yöne 90°' ye kadar eksen etrafında dönebilme özelliğine sahiptir.

Assembling of Motor Platform

Motor platform design could be used at all PGR monoblock gear unit series for all mounting positions. There are 5 motor platform designs. This platforms are provide using possibility with all motorgear unit series. Motor platform type, dimension and suitable belt type could be followed from table which is shown on page 45 - 46, on the other hand this table is valid for multi stage gear units.

* It could be used for all mounting positions.
* It could be adjusted for optimum belt-tension and height easily.
* It has high corrosion resistance however fixing elements have this property.
* Alumium structure provide vibration absorbing and light weight.
* It could be used with all motor type.
* We recommend, it is suitable for while 'i' ratio is equal to one, table is prepared according to this situation
* It could be adjusted to all direction up to 90°

TR MOTOR PLATFORMU

EN MOTOR PLATFORM INSTALLATION

Tip Type	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				

Seçim Örneği:

Çıkış gücü ve hızına göre gerekli olan dişli ünitesinin temel tipini ve gerekli çıkış gücü veya çıkış dönüş hızına dayanan çıkış gücü ve dişli oranını saptayınız.

Örnek :

0.75 kW , 17.3 d/dk i = 78.83
PSH 2080 - 80 M

Bu esas dişli ünitesi tipi için, motor platformu MK I tayin edildiğini tablodan (yukarıya bakınız) saptayınız.
Bu nedenle,tam tip tanımı **PSH 2080 - MK I - 80**'dir.

MK I için, tablodan (sayfa 49) kayış - kasnak ve kayış tipi ile ilgili daha fazla bilgi alabilirsiniz.

Esas boyutlar, tabloda gösterilmiştir.

Selection Example:

Motor platform assignment could be explained in one example hence, according to selecting gear unit reduction ratio, output speed and motor power is determined.

For instance ;

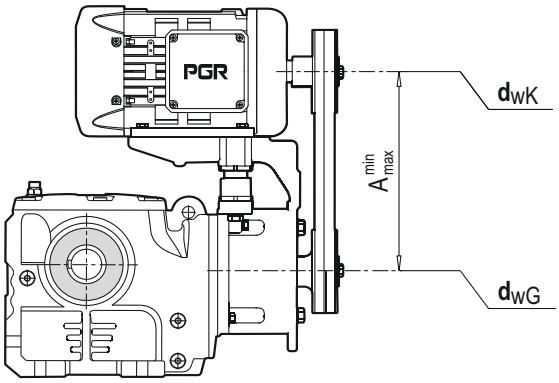
0.75 kW , 17.3 min^{-1}, i = 78.83
PSH 2080 - 80 M

From table (see above of this page) type of gear unit (column) and motor type (row) are intersected. Hence, from this motor bracket MK I dimension should be used.
Full designation is **PSH 2080 - MK I - 80.**

Following page shows more detail about belt pulley and type of belt (see page 49).
You can see dimension of belt length with motor platform assignment.

TR MOTOR PLATFORMU

EN MOTOR PLATFORM INSTALLATION



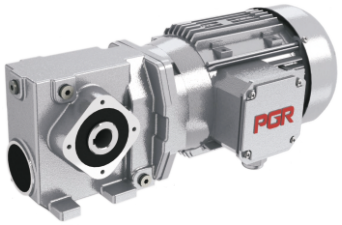
	Motor	Çıkış Output (kW)	Ayar aralığı Adjustment range Amin	Amax	Kayış uzunluğu Belt length	Mil merkezi uzaklığı Shaft centre distance A	Kayış sayısı Number of belts
MK I Kayış Tipi SPZ Belt type SPZ					**(dwg = 80) (i = 1) Lw**		
	63 M/4A	0.12	216	236	697	223	1
	63 M/4B	0.18	216	236	697	223	1
	71 M/4A	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					**(dwg = 112) (i = 1) Lw**		
	80 M/4A	0.55	279	304	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
	112 M/4B	4.00	311	336	1000	324	2
MK III Kayış Tipi SPZ Belt type SPZ					**(dwg = 160) (i = 1) Lw**		
	90 S/4A	1.10	344	376	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					**(dwg = 200) (i = 1) Lw**		
	112 M/4B	4.00	427	467	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

Motorlu Seçim Tabloları

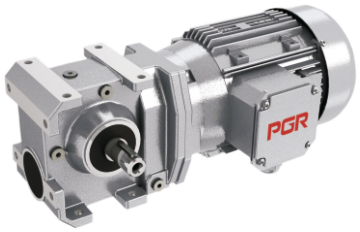
Selection Tables of Gearedmotors

PSH

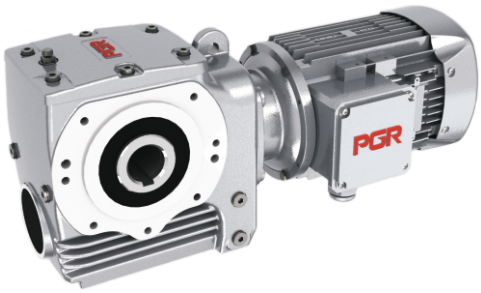
PSH 2040 DG



PSH 2040 TMA



PSH 2050 DG ... 2125 DG
PSH 3050 DG ... 3125 DG

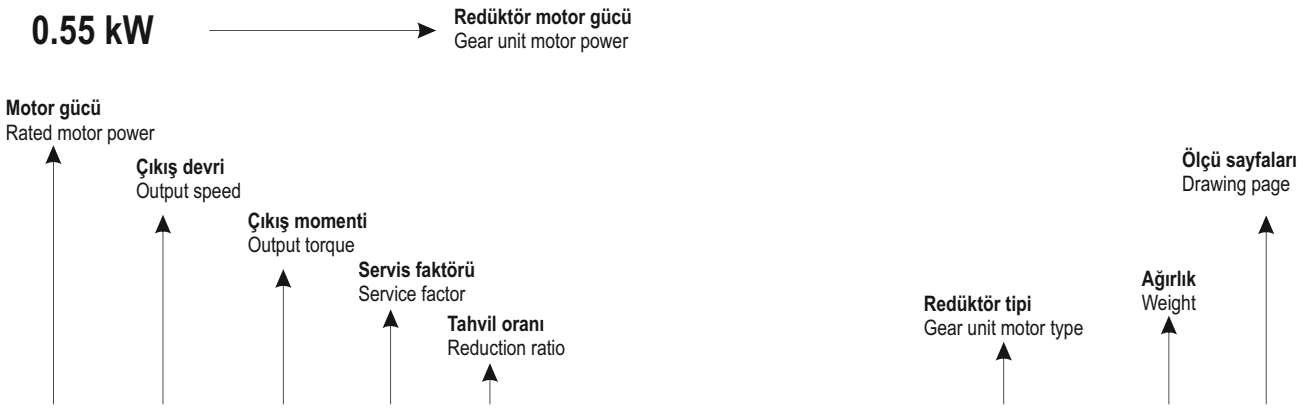


PSH 2050 TMA ... 2125 TMA
PSH 3050 TMA ... 3125 TMA

TR TEKNİK AÇIKLAMALAR

EN TECHNICAL EXPLANATIONS

Motorlu redüktör performans tablolarının yapısı.
Notify about performance tables for Geared motor.



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	Kg	Sayfa Page mm
0.55	1.2	2293	1.3	1198.50	25.0	21.0	27.0	28.0	PSH 3125 - 80M/4A	117	90-91
	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			

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

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

Müsaade edilebilir eksenel yükler Güçlendirilmiş rulmanlarda F_A için listelenmiş değerlerde F_R = 0 (N) olarak hesaplanmıştır

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

Müsaade edilebilir eksenel yükler Normal rulmanlarda F_A için listelenmiş değerlerde F_R = 0 (N) olarak hesaplanmıştır

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

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

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

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	Kg	Sayfa Page mm
0.12	0.9 1.1	732 490	2.2 3.2	1506.84 1173.93	16.0 16.0	12.0 12.0	16.0 16.0	16.0 16.0	**PSH 3100 - 63M/4A**	65	86-87
	1.1 1.4 1.6 1.9	490 391 336 301	1.6 2.0 2.3 2.6	1199.07 955.78 805.70 705.97	9.0 9.0 10.0 10.0	9.0 9.0 9.0 9.0	13.0 13.0 13.0 13.0	12.0 12.0 12.0 12.0	**PSH 3080 - 63M/4A**	37	82-83
	1.3	424	1.8	656.63★	9.0	9.0	13.0	12.0	**PSH 2080 - 63M/6**	32	80-81
	2.0 4.8	280 164	2.5 4.3	656.63★ 276.81★	10.0 10.0	9.0 9.0	13.0 13.0	12.0 12.0	**PSH 2080 - 63M/4A**	32	80-81
	1.0 1.2	484# 452#	0.8 0.8	1343.24★ 1140.10★	5.0 5.0	8.0 8.0	9.0 9.0	10.0 10.0	**PSH 3063 - 63M/4A**	27	78-79
	1.4 1.6 1.9	390 329 295	0.9 1.1 1.2	626.57★ 529.13★ 464.67★	6.0 7.0 7.0	8.0 8.0 8.0	10.0 10.0 10.0	10.0 10.0 10.0	**PSH 2063 - 63M/6**	22	76-77
	2.1 2.5 2.8 5.0 5.9 6.7 7.2 8.1	262 226 198 154 130 116 86 78	1.4 1.6 1.8 2.2 2.8 3.1 4.2 4.0	626.57★ 529.13★ 464.67★ 264.14★ 223.06★ 195.89★ 183.60 162.27	7.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	10.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	**PSH 2063 - 63M/4A**	22	76-77
	1.0 1.3 1.5 1.7 2.0 2.2	247# 239# 242# 238# 234# 239#	0.8 0.8 0.8 0.8 0.8 0.8	1330.71 991.88 868.89 755.93 663.52 586.50	4.0 4.0 4.0 4.0 4.0 4.0	8.0 8.0 8.0 8.0 8.0 8.0	6.0 6.0 6.0 6.0 6.0 6.0	8.0 8.0 8.0 8.0 8.0 8.0	**PSH 3050 - 63M/4A**	23	74-75
	1.6 2.0 2.2	224# 235# 227#	0.8 0.8 0.8	524.57 439.88 385.33	4.0 4.0 4.0	8.0 8.0 8.0	6.0 6.0 6.0	8.0 8.0 8.0	**PSH 2050 - 63M/6**	18	72-73
	2.5 3.0 3.4 5.7 6.8 7.7 8.9 10.1 11.5 14.2	230# 188 168 135 115 101 69 62 56 46	0.8 1.0 1.1 1.4 1.6 1.8 2.5 2.7 3.0 3.7	524.57 439.88 385.33 231.43 194.06 170.00 147.90 129.82 114.75 92.73	4.0 5.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 6.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	**PSH 2050 - 63M/4A**	18	72-73

 # Max. çıkış momenti f_B = 0.8
Max. Output Torque With f_B = 0.8

★ **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

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	Kg	Sayfa Page mm
0.12	4.3	122 #	0.8	304.20	3.0	4.0	-	-			
	5.5	103	1.0	237.90	3.0	4.0	-	-			
	10.2	76	1.4	128.70	4.0	4.0	-	-			
	11.4	53	1.8	115.23	4.0	4.0	-	-			
	13.2	47	2.0	99.45	4.0	4.0	-	-			
	15.2	41	2.1	86.86	4.0	4.0	-	-			
	17.2	37	2.3	76.38	4.0	4.0	-	-			
	19.5	33	2.5	67.50	4.0	4.0	-	-			
	22.0	41	2.5	59.80	4.0	4.0	-	-			
	25.3	26	3.1	52.00	4.0	4.0	-	-			
	28.2	31	3.1	46.77	4.0	4.0	-	-			
	29.4	22	3.6	44.78	4.0	4.0	-	-			
	31.3	25	3.2	42.08	4.0	4.0	-	-			
	35.8	23	3.5	36.75	4.0	4.0	-	-	**PSH 2040 - 63M/4A**	10	70-71
	40.8	20	3.9	32.31	4.0	4.0	-	-			
	46.1	18	4.1	28.56	4.0	4.0	-	-			
	59.9	14	5.2	22.00	4.0	4.0	-	-			
	67.4	13	5.8	19.55	4.0	4.0	-	-			
	77.1	12	6.5	17.08	4.0	4.0	-	-			
	87.8	10	7.0	15.01	4.0	4.0	-	-			
	99.3	9	7.7	13.27	4.0	4.0	-	-			
	128.9	7	9.2	10.22	4.0	4.0	-	-			
	149.7	6	10.2	8.80	4.0	4.0	-	-			
	175.4	5	10	7.51	4.0	4.0	-	-			
	198.7	5	11	6.63	4.0	4.0	-	-			
	257.8	4	12	5.11	4.0	4.0	-	-			
	299.4	3	14	4.40	4.0	4.0	-	-			
0.18	1.1	720	2.2	1173.93	16.0	12.0	16.0	16.0			
	2.0	430	3.7	660.00	16.0	12.0	16.0	16.0			
	2.6	345	4.6	519.44	16.0	12.0	16.0	16.0	**PSH 3100 - 63M/4B**	65	86-87
	2.9	317	5.0	468.59	16.0	12.0	16.0	16.0			
	3.7	257	5.9	365.06	16.0	12.0	16.0	16.0			
	4.5	214	7.1	298.69	16.0	12.0	16.0	16.0			
	1.4	604	2.4	645.00	16.0	12.0	16.0	16.0	**PSH 2100 - 71M/6A**	58	84-85
	1.1	720	1.1	1199.07	7.0	9.0	12.0	12.0			
	1.4	574	1.3	955.78	8.0	9.0	13.0	12.0	**PSH 3080 - 63M/4B**	37	82-83
	1.7	494	1.6	805.70	9.0	9.0	13.0	12.0			
	1.9	442	1.7	705.97	9.0	9.0	13.0	12.0			
	1.4	589	1.3	656.63★	8.0	9.0	13.0	12.0	**PSH 2080 - 71M/6A**	33	80-81
	2.0	411	1.7	656.63★	9.0	9.0	13.0	12.0			
	4.9	240	3.0	276.81★	10.0	9.0	13.0	12.0	**PSH 2080 - 63M/4B**	32	80-81
	5.7	165	4.3	234.60	10.0	9.0	13.0	12.0			
	7.2	136	4.9	187.00	10.0	9.0	13.0	12.0			
	1.7	475	0.8	529.13★	5.0	8.0	9.0	10.0	**PSH 2063 - 71M/6A**	23	76-77
	1.9	426	0.8	464.67★	6.0	8.0	10.0	10.0			
	2.1	384	0.9	626.57★	6.0	8.0	10.0	10.0			
	2.5	331	1.1	529.13★	7.0	8.0	10.0	10.0			
	2.9	291	1.2	464.67★	7.0	8.0	10.0	10.0			
	5.1	226	1.5	264.14★	7.0	8.0	11.0	10.0			
	6.0	191	1.9	223.06★	8.0	8.0	11.0	10.0			
	6.9	170	2.1	195.89★	8.0	8.0	11.0	10.0	**PSH 2063 - 63M/4B**	22	76-77
	7.3	127	2.8	183.60	8.0	8.0	11.0	10.0			
	8.3	114	2.7	162.27	8.0	8.0	11.0	10.0			
	9.3	103	2.9	144.50	8.0	8.0	11.0	10.0			
	11.4	88	3.4	118.23	8.0	8.0	11.0	10.0			
	12.9	78	3.8	104.13	8.0	8.0	11.0	10.0			

 # Max. çıkış momenti f_B = 0.8
Max. Output Torque With f_B = 0.8

★ 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

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	Kg	Sayfa Page mm
0.18	5.8	198	0.9	231.43	5.0	8.0	6.0	8.0	PSH 2050 - 63M/4B	18	72-73
	6.9	169	1.1	194.06	5.0	8.0	6.0	8.0			
	7.9	148	1.3	170.00	5.0	8.0	6.0	8.0			
	9.1	102	1.7	147.90	6.0	8.0	6.0	8.0			
	10.4	91	1.8	129.82	6.0	8.0	6.0	8.0			
	11.7	82	2.0	114.75	6.0	8.0	6.0	8.0			
	14.5	68	2.5	92.73	6.0	8.0	6.0	8.0			
	16.7	60	2.8	80.75	6.0	8.0	6.0	8.0			
	20.6	60	2.8	65.25	6.0	8.0	6.0	8.0			
	23.5	53	3.2	57.27	6.0	8.0	6.0	8.0			
	26.6	47	3.3	50.63	6.0	8.0	6.0	8.0			
	11.7	78	1.2	115.23	4.0	4.0	-	-	PSH 2040 - 63M/4B	11	70-71
	13.5	69	1.3	99.45	4.0	4.0	-	-			
	15.5	60	1.5	86.86	4.0	4.0	-	-			
	17.6	54	1.6	76.38	4.0	4.0	-	-			
	19.9	48	1.7	67.50	4.0	4.0	-	-			
	22.5	60	1.7	59.80	4.0	4.0	-	-			
	25.9	38	2.1	52.00	4.0	4.0	-	-			
	28.8	47	2.1	46.77	4.0	4.0	-	-			
	30.0	34	2.4	44.78	4.0	4.0	-	-			
	32.0	38	2.3	42.08	4.0	4.0	-	-			
	36.6	33	2.4	36.75	4.0	4.0	-	-			
	41.6	29	2.7	32.31	4.0	4.0	-	-			
	47.1	26	2.8	28.56	4.0	4.0	-	-			
	61.2	20	3.5	22.00	4.0	4.0	-	-			
	68.8	19	3.9	19.55	4.0	4.0	-	-			
	78.8	17	4.4	17.08	4.0	4.0	-	-			
	89.6	15	4.8	15.01	4.0	4.0	-	-			
	101.4	14	5.3	13.27	4.0	4.0	-	-			
	131.7	10	6.3	10.22	4.0	4.0	-	-			
	152.9	9	7.0	8.80	4.0	4.0	-	-			
	179.2	8	6.8	7.51	4.0	4.0	-	-			
	202.9	7	7.3	6.63	4.0	4.0	-	-			
	263.3	6	8.4	5.11	4.0	4.0	-	-			
	305.8	5	9.3	4.40	4.0	3.0	-	-			
0.25	0.9	1363	2.3	1475.08	27.0	21.0	27.0	28.0	PSH 3125 - 71M/4A	114	90-91
	1.2	1050	2.9	1198.50	27.0	21.0	27.0	28.0			
	0.9	1351	1.2	1506.84	14.0	12.0	16.0	16.0	PSH 3100 - 71M/4A	66	86-87
	1.2	968	1.6	1173.93	16.0	12.0	16.0	16.0			
	2.1	578	2.8	660.00	16.0	12.0	16.0	16.0			
	1.4	829	1.8	645.00	16.0	12.0	16.0	16.0	PSH 2100 - 71M/6B	59	84-85
	2.2	565	2.5	645.00	16.0	12.0	16.0	16.0	PSH 2100 - 71M/4A	58	84-85
	1.2	968	0.8	1199.07	1.0	9.0	10.0	12.0	PSH 3080 - 71M/4A	38	82-83
	1.5	772	1.0	955.78	5.0	9.0	11.0	12.0			
	1.7	664	1.2	805.70	7.0	9.0	12.0	12.0			
	2.0	594	1.3	705.97	8.0	9.0	13.0	12.0			
	1.4	810	0.9	656.63★	5.0	9.0	11.0	12.0	PSH 2080 - 71M/6B	34	80-81
	1.7	655	1.1	520.20★	8.0	9.0	13.0	12.0			
	2.1	553	1.3	656.63★	8.0	9.0	13.0	12.0	PSH 2080 - 71M/4A	33	80-81
	5.0	323	2.2	276.81★	10.0	9.0	13.0	12.0			
	5.9	222	3.2	234.60	10.0	9.0	13.0	12.0			
	7.4	183	3.7	187.00	10.0	9.0	13.0	12.0			
	8.8	157	4.3	157.64	10.0	9.0	13.0	12.0			

★ **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

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	Kg	Sayfa Page mm
0.25	2.6	445	0.8	529.13★	5.0	8.0	9.0	10.0			
	3.0	391	0.9	464.67★	6.0	8.0	10.0	10.0			
	5.3	304	1.2	264.14★	7.0	8.0	10.0	10.0			
	6.2	257	1.4	223.06★	7.0	8.0	11.0	10.0			
	7.1	229	1.6	195.89	7.0	8.0	11.0	10.0			
	7.6	170	2.1	183.60	8.0	8.0	11.0	10.0			
	8.6	153	2.0	162.27	8.0	8.0	11.0	10.0			
	9.6	139	2.2	144.50	8.0	8.0	11.0	10.0	**PSH 2063 - 71M/4A**	23	76-77
	11.8	118	2.5	118.23	8.0	8.0	11.0	10.0			
	13.3	106	2.8	104.13	8.0	8.0	11.0	10.0			
	15.1	95	3.1	92.19	8.0	8.0	11.0	10.0			
	18.0	96	3.2	77.40	8.0	8.0	11.0	10.0			
	20.3	86	3.4	68.41	8.0	8.0	11.0	10.0			
	22.8	76	3.7	60.92	8.0	8.0	11.0	10.0			
	7.6	213	0.9	182.08	5.0	8.0	6.0	8.0	**PSH 3050 - 71M/4A**	24	74-75
	8.2	199	0.9	170.00	5.0	8.0	6.0	8.0			
	9.4	137	1.3	147.90	5.0	8.0	6.0	8.0			
	10.7	123	1.4	129.82	5.0	8.0	6.0	8.0			
	12.1	110	1.5	114.75	6.0	8.0	6.0	8.0			
	15.0	91	1.9	92.73	6.0	8.0	6.0	8.0			
	17.2	80	2.1	80.75	6.0	8.0	6.0	8.0			
	21.3	81	2.1	65.25	6.0	8.0	6.0	8.0			
	24.3	71	2.4	57.27	6.0	8.0	6.0	8.0	**PSH 2050 - 71M/4A**	19	72-73
	27.5	63	2.4	50.63	6.0	8.0	6.0	8.0			
	34.0	52	3.0	40.91	6.0	8.0	6.0	8.0			
	39.0	46	3.4	35.63	6.0	8.0	6.0	8.0			
	44.9	43	3.6	30.93	6.0	8.0	6.0	8.0			
	51.2	38	4.0	27.15	5.0	8.0	6.0	8.0			
	57.9	33	4.6	24.00	5.0	8.0	6.0	8.0			
	14.0	92	1.0	99.45	3.0	4.0	-	-			
	16.0	81	1.1	86.86	4.0	4.0	-	-			
	18.2	72	1.2	76.38	4.0	4.0	-	-			
	20.6	65	1.3	67.50	4.0	4.0	-	-			
	23.2	80	1.2	59.80	4.0	4.0	-	-			
	26.7	52	1.6	52.00	4.0	4.0	-	-			
	29.7	63	1.6	46.77	4.0	4.0	-	-			
	31.0	45	1.8	44.78	4.0	4.0	-	-			
	33.0	51	1.7	42.08	4.0	4.0	-	-			
	37.8	45	1.8	36.75	4.0	4.0	-	-			
	43.0	40	2.0	32.31	4.0	4.0	-	-			
	48.7	35	2.1	28.56	4.0	4.0	-	-	**PSH 2040- 71M/4A**	12	70-71
	63.2	28	2.6	22.00	4.0	4.0	-	-			
	71.1	27	2.9	19.55	4.0	4.0	-	-			
	81.4	23	3.3	17.08	4.0	4.0	-	-			
	92.6	21	3.5	15.01	4.0	4.0	-	-			
	104.7	18	4.0	13.27	4.0	4.0	-	-			
	136.0	14	4.6	10.22	4.0	4.0	-	-			
	158.0	12	5.2	8.80	4.0	4.0	-	-			
	185.1	11	5.0	7.51	4.0	4.0	-	-			
	209.7	9	5.4	6.63	4.0	4.0	-	-			
	272.0	8	6.2	5.11	4.0	3.0	-	-			
	315.9	6	6.9	4.40	4.0	3.0	-	-			

★ **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

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	Kg	Sayfa Page mm
0.37	1.1	1577	2.0	1198.50	27.0	21.0	27.0	28.0	**PSH 3125 - 71M/4B**	115	90-91
	1.2 2.1	1454 869	1.1 1.8	1173.93 660.00	13.0 16.0	12.0 12.0	16.0 16.0	16.0 16.0	**PSH 3100 - 71M/4B**	67	86-87
	1.4 1.8	1214 979	1.2 1.5	645.00 510.00	14.0 16.0	12.0 12.0	16.0 16.0	16.0 16.0	**PSH 2100 - 80M/6A**	61	84-85
	2.1 5.7	849 362	1.7 3.9	645.00 241.67	16.0 16.0	12.0 12.0	16.0 16.0	16.0 16.0	**PSH 2100 - 71M/4B**	59	84-85
	1.8	959	0.7	520.20★	2.0	9.0	10.0	12.0	**PSH 2080 - 80M/6A**	36	80-81
	2.1 2.6 4.9 5.8 7.3 8.7 9.9 11.1 12.9 14.5 17.4 20.6	830 671 486 333 275 236 214 195 170 153 153 130	0.9 1.1 1.5 2.1 2.4 2.8 3.0 3.2 3.5 3.7 4.3 4.8	656.63★ 520.20★ 276.81★ 234.60 187.00 157.64 138.13 123.58 106.25 94.15 78.83 66.45	5.0 7.0 9.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0 9.0	11.0 12.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0	12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0 12.0	**PSH 2080 - 71M/4B**	34	80-81
	6.1 7.0 7.5 8.4 9.5 11.6 13.1 14.9 17.7 20.0 22.5 27.5 31.2 35.2 39.2	386 344 256 230 209 177 159 143 144 129 115 96 85 76 73	0.9 1.0 1.4 1.3 1.4 1.7 1.9 2.1 2.1 2.3 2.4 2.7 2.9 3.2 3.6	223.06★ 195.89★ 183.60 162.27 144.50 118.23 104.13 92.19 77.40 68.41 60.92 49.84 43.90 38.87 34.94	6.0 7.0 7.0 7.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	10.0 10.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.0	10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0	**PSH 2063 - 71M/4B**	24	76-77
	11.9 14.8 17.0 21.0 23.9 27.0 33.5 38.4 44.3 50.4 57.0	166 136 121 121 106 95 78 69 65 57 51	1.0 1.2 1.4 1.4 1.6 1.6 2.0 2.2 2.4 2.7 3.1	114.75 92.73 80.75 65.25 57.27 50.63 40.91 35.63 30.93 27.15 24.00	5.0 5.0 5.0 5.0 6.0 6.0 6.0 6.0 5.0 5.0 5.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 7.0	6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0	8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0 8.0	**PSH 2050 - 71M/4B**	20	72-73

★ **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

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	Kg	Sayfa Page mm
0.37	22.9	120	0.8	59.80	3.0	4.0	-	-	**PSH 2040 - 71M/4B**	13	70-71
	26.3	78	1.0	52.00	4.0	4.0	-	-			
	29.3	95	1.0	46.77	3.0	4.0	-	-			
	30.6	68	1.2	44.78	4.0	4.0	-	-			
	32.5	77	1.1	42.08	4.0	4.0	-	-			
	37.3	68	1.2	36.75	4.0	4.0	-	-			
	42.4	61	1.3	32.31	4.0	4.0	-	-			
	47.9	55	1.4	28.56	4.0	4.0	-	-			
	62.2	42	1.7	22.00	4.0	4.0	-	-			
	70.0	41	2.0	19.55	4.0	4.0	-	-			
	80.2	36	2.2	17.08	4.0	4.0	-	-			
	91.2	32	2.4	15.01	4.0	4.0	-	-			
	103.2	28	2.6	13.27	4.0	4.0	-	-			
	134.0	22	3.1	10.22	4.0	4.0	-	-			
	155.6	19	3.4	8.80	4.0	4.0	-	-			
	182.3	16	3.5	7.51	4.0	4.0	-	-			
	206.5	15	3.7	6.63	4.0	4.0	-	-			
	267.9	11	4.1	5.11	4.0	3.0	-	-			
	311.2	10	4.6	4.40	4.0	3.0	-	-			
0.55	1.2	2293	1.3	1198.50	25.0	21.0	27.0	28.0	**PSH 3125 - 80M/4A**	117	90-91
	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			
	5.2	730	3.9	270.16	27.0	21.0	27.0	28.0			
	2.1	1263	1.3	660.00	14.0	12.0	16.0	16.0	**PSH 3100 - 80M/4A**	69	86-87
	1.4	1804	0.8	645.00	7.0	12.0	16.0	16.0	**PSH 2100 - 80M/6B**	62	84-85
	1.8	1456	1.0	510.00	13.0	12.0	16.0	16.0			
	2.2	1234	1.2	645.00	14.0	12.0	16.0	16.0	**PSH 2100 - 80M/4A**	61	84-85
	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			
	7.6	420	3.3	183.33	16.0	12.0	16.0	16.0			
	8.5	385	3.5	165.38	16.0	12.0	16.0	16.0			
	10.9	314	3.9	128.85	16.0	12.0	16.0	16.0			
	3.9	696	1.0	234.60	7.0	9.0	12.0	12.0	**PSH 2080 - 80M/6B**	37	80-81
	3.5	771	0.9	402.90★	6.0	9.0	11.0	12.0	**PSH 2080 - 80M/4A**	36	80-81
	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			
	21.1	189	3.3	66.45	10.0	9.0	13.0	12.0			
	24.0	168	3.6	58.23	10.0	9.0	13.0	12.0			
	26.9	151	3.8	52.10	10.0	9.0	13.0	12.0			
	31.3	131	4.2	44.79	10.0	9.0	13.0	12.0			

★ **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

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	Kg	Sayfa Page mm
0.55	7.6	372	1.0	183.60	6.0	8.0	10.0	10.0			
	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	8.0	8.0	11.0	10.0			
	18.1	209	1.5	77.40	8.0	8.0	11.0	10.0			
	20.5	187	1.6	68.41	8.0	8.0	11.0	10.0			
	23.0	167	1.7	60.92	8.0	8.0	11.0	10.0	**PSH 2063 - 80M/4A**	26	76-77
	28.1	140	1.9	49.84	8.0	8.0	11.0	10.0			
	31.9	124	2.0	43.90	8.0	8.0	11.0	10.0			
	36.0	111	2.2	38.87	8.0	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			
	55.6	78	3.1	25.18	7.0	8.0	11.0	10.0			
	62.8	69	3.5	22.29	6.0	8.0	11.0	10.0			
	73.6	59	3.6	19.01	6.0	8.0	11.0	10.0			
	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	**PSH 2050- 80M/4A**	22	72-73
	82.9	52	2.3	16.89	4.0	6.0	6.0	8.0			
	94.8	46	2.5	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			
	149.1	31	3.5	9.39	4.0	4.0	6.0	8.0			
	171.1	27	3.8	8.18	3.0	4.0	6.0	8.0			
	195.8	24	4.0	7.15	3.0	4.0	6.0	8.0			
	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	40	1.8	13.27	4.0	4.0	-	-	**PSH 2040 - 80M/4A**	15	70-71
	137.0	31	2.1	10.22	4.0	4.0	-	-			
	159.1	27	2.3	8.80	4.0	4.0	-	-			
	186.4	24	2.4	7.51	4.0	3.0	-	-			
	211.2	21	2.4	6.63	4.0	3.0	-	-			
	274.0	16	2.8	5.11	4.0	3.0	-	-			
	318.2	14	3.2	4.40	3.0	3.0	-	-			

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	Kg	Sayfa Page mm
0.75	1.2	3127	1.0	1198.50	20.0	21.0	27.0	28.0	PSH 3125 - 80M/4B	118	90-91
	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			
	5.9	884	3.1	236.72	27.0	21.0	27.0	28.0			
	7.5	710	3.1	187.50	27.0	21.0	27.0	28.0			
	1.3	2747	1.0	695.60	25.0	21.0	27.0	28.0	PSH 2125 - 90S/6A	104	88-89
	1.9	2034	1.4	495.64	27.0	21.0	27.0	28.0			
	2.1	1722	0.9	660.00	9.0	12.0	16.0	16.0	PSH 3100 - 80M/4B	70	86-87
	2.2	1683	0.8	645.00	9.0	12.0	16.0	16.0	PSH 2100 - 80M/4B	62	84-85
	2.7	1357	1.0	510.00	13.0	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			
	14.9	366	2.8	94.25	14.0	12.0	16.0	16.0			
	19.6	285	3.1	71.50	13.0	12.0	16.0	16.0			
	6.0	660	1.1	234.60	7.0	9.0	12.0	12.0	PSH 2080 - 80M/4B	37	80-81
	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			
	31.3	179	3.1	44.79	10.0	9.0	13.0	12.0			
	36.9	161	2.8	37.89	9.0	9.0	13.0	12.0			
	43.8	137	3.0	31.94	9.0	9.0	13.0	12.0			
	50.0	122	3.1	27.99	8.0	9.0	13.0	12.0			
	55.9	109	3.3	25.04	8.0	9.0	13.0	12.0			
	11.8	351	0.8	118.23	7.0	8.0	10.0	10.0	PSH 2063 - 80M/4B	27	76-77
	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			
	109.8	57	2.9	12.75	5.0	8.0	11.0	10.0			
	124.7	50	3.1	11.23	5.0	8.0	11.0	10.0			
	140.8	45	3.3	9.94	5.0	8.0	11.0	10.0			
	165.1	39	3.4	8.48	5.0	7.0	10.0	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	Kg	Sayfa Page mm
0.75	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	**PSH 2050 - 80M/4B**	23	72-73
	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	2.8	8.18	3.0	4.0	6.0	8.0			
	195.8	33	2.8	7.15	3.0	4.0	6.0	8.0			
	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	1.5	10.22	4.0	4.0	-	-	**PSH 2040- 80M/4B**	16	70-71
	159.1	37	1.8	8.80	4.0	4.0	-	-			
	186.4	33	1.7	7.51	4.0	3.0	-	-			
	211.2	29	1.9	6.63	4.0	3.0	-	-			
	274.0	22	2.1	5.11	3.0	3.0	-	-			
	318.2	19	2.4	4.40	3.0	3.0	-	-			
1.10	1.5	3596	0.9	928.25	18.0	21.0	27.0	28.0	**PSH 3125 - 90S/4A**	121	90-91
	1.9	2951	1.0	495.64	23.0	21.0	27.0	28.0	**PSH 2125 - 90L/6B**	106	88-89
	2.0	2799	1.0	695.60	23.0	21.0	27.0	28.0			
	2.8	2068	1.4	495.64	27.0	21.0	27.0	28.0			
	7.0	977	2.7	201.71	27.0	21.0	27.0	28.0			
	7.7	898	2.9	182.58	27.0	21.0	27.0	28.0			
	8.8	802	3.1	160.58	27.0	21.0	27.0	28.0	**PSH 2125 - 90S/4A**	104	88-89
	9.7	733	3.3	144.62	27.0	21.0	27.0	28.0			
	12.0	622	3.6	117.50	26.0	21.0	27.0	28.0			
	14.0	539	4.0	100.48	25.0	21.0	27.0	28.0			
	3.4	1650	0.8	410.00	10.0	12.0	16.0	16.0			
	4.6	1313	1.1	303.85	14.0	12.0	16.0	16.0			
	5.8	1044	1.4	241.67	16.0	12.0	16.0	16.0			
	7.7	833	1.6	183.33	16.0	12.0	16.0	16.0			
	8.5	764	1.7	165.38	16.0	12.0	16.0	16.0			
	10.9	624	2.0	128.85	15.0	12.0	16.0	16.0			
	13.6	518	2.3	103.85	14.0	12.0	16.0	16.0			
	15.0	534	2.5	94.25	14.0	12.0	16.0	16.0	**PSH 2100 - 90S/4A**	65	84-85
	19.7	416	2.9	71.50	13.0	12.0	16.0	16.0			
	21.9	380	3.1	64.50	12.0	12.0	16.0	16.0			
	28.1	300	3.7	50.25	12.0	12.0	16.0	16.0			
	33.0	271	3.4	42.78	11.0	12.0	16.0	16.0			
	36.5	244	3.5	38.59	11.0	12.0	16.0	16.0			
	41.1	212	4.1	34.29	10.0	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]	$F_{R\,GR}$ [kN]	$F_{A\,GR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
1.10	8.9	681	1.0	157.64	7.0	9.0	12.0	12.0	PSH 2080 - 90S/4A	40	80-81
	10.2	617	1.0	138.13	8.0	9.0	13.0	12.0			
	11.4	562	1.1	123.58	8.0	9.0	13.0	12.0			
	13.3	491	1.2	106.25	9.0	9.0	13.0	12.0			
	15.0	442	1.3	94.15	9.0	9.0	13.0	12.0			
	17.9	440	1.5	78.83	9.0	9.0	13.0	12.0			
	21.2	376	1.7	66.45	10.0	9.0	13.0	12.0			
	24.2	334	1.8	58.23	10.0	9.0	13.0	12.0			
	27.1	299	1.9	52.10	9.0	9.0	13.0	12.0			
	31.5	260	2.1	44.79	9.0	9.0	13.0	12.0			
	37.2	234	2.3	37.89	9.0	9.0	13.0	12.0			
	44.1	200	2.6	31.94	8.0	9.0	13.0	12.0			
	50.4	177	2.9	27.99	8.0	9.0	13.0	12.0			
	56.3	159	3.1	25.04	8.0	9.0	13.0	12.0			
	65.5	138	3.4	21.53	7.0	9.0	13.0	12.0			
	73.9	122	3.6	19.08	7.0	9.0	13.0	12.0			
	88.3	106	3.1	15.97	7.0	9.0	13.0	12.0			
	100.8	93	3.2	13.99	6.0	9.0	13.0	12.0			
	112.6	84	3.4	12.52	6.0	9.0	13.0	12.0			
	131.0	72	3.5	10.76	6.0	9.0	13.0	12.0			
	28.3	278	0.9	49.84	7.0	8.0	10.0	10.0	PSH 2063 - 90S/4A	30	76-77
	32.1	245	1.0	43.90	7.0	8.0	11.0	10.0			
	36.3	220	1.1	38.87	7.0	8.0	11.0	10.0			
	40.4	211	1.2	34.94	7.0	8.0	11.0	10.0			
	49.3	175	1.4	28.59	6.0	8.0	11.0	10.0			
	56.0	156	1.6	25.18	6.0	8.0	11.0	10.0			
	63.3	138	1.8	22.29	6.0	8.0	11.0	10.0			
	74.2	119	1.8	19.01	6.0	8.0	11.0	10.0			
	90.5	101	1.9	15.58	5.0	8.0	11.0	10.0			
	110.6	84	2.2	12.75	5.0	7.0	11.0	10.0			
	125.6	74	2.4	11.23	5.0	7.0	11.0	10.0			
	141.9	66	2.6	9.94	5.0	7.0	10.0	10.0			
	166.3	56	3.0	8.48	5.0	7.0	10.0	10.0			
	190.5	49	3.2	7.40	4.0	6.0	10.0	10.0			
	58.8	147	1.1	24.00	4.0	5.0	6.0	8.0	PSH 2050 - 90S/4A	26	72-73
	72.7	120	1.2	19.39	4.0	5.0	6.0	8.0			
	83.5	104	1.1	16.89	4.0	5.0	6.0	8.0			
	95.5	92	1.2	14.77	4.0	5.0	6.0	8.0			
	107.2	85	1.4	13.15	3.0	3.0	6.0	8.0			
	121.2	75	1.5	11.63	3.0	3.0	6.0	8.0			
	150.2	61	1.8	9.39	3.0	3.0	6.0	8.0			
	172.4	54	2.1	8.18	3.0	3.0	6.0	8.0			
	197.2	47	2.2	7.15	3.0	3.0	6.0	8.0			
	93.9	92	0.8	15.01	3.0	3.0	-	-	PSH 2040 - 90S/4A	19	70-71
	106.3	81	0.9	13.27	4.0	3.0	-	-			
	138.0	63	1.1	10.22	4.0	3.0	-	-			
	160.2	54	1.2	8.80	4.0	3.0	-	-			
	187.7	48	1.2	7.51	3.0	2.0	-	-			
	212.7	43	1.3	6.63	3.0	2.0	-	-			
	275.9	34	1.4	5.11	3.0	2.0	-	-			
	320.5	29	1.6	4.40	3.0	2.0	-	-			

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	Kg	Sayfa Page mm
1.50	2.9	2800	1.0	495.64	23.0	21.0	27.0	28.0			
	7.0	1323	2.0	201.71	27.0	21.0	27.0	28.0			
	7.8	1216	2.1	182.58	27.0	21.0	27.0	28.0			
	8.8	1085	2.3	160.58	27.0	21.0	27.0	28.0			
	9.8	992	2.4	144.62	27.0	21.0	27.0	28.0			
	12.1	842	2.7	117.50	25.0	21.0	27.0	28.0	**PSH 2125 - 90L/4A**	106	88-89
	14.1	730	2.9	100.48	24.0	21.0	27.0	28.0			
	16.2	705	2.7	87.40	23.0	21.0	27.0	28.0			
	18.5	628	2.9	76.88	23.0	21.0	27.0	28.0			
	20.5	566	2.9	69.23	22.0	21.0	27.0	28.0			
	25.2	471	3.0	56.25	21.0	21.0	27.0	28.0			
	5.1	1592	0.9	183.33	11.0	12.0	16.0	16.0	**PSH 2100 - 100L/6A**	71	84-85
	5.9	1414	1.0	241.67	13.0	12.0	16.0	16.0			
	7.7	1128	1.2	183.33	15.0	12.0	16.0	16.0			
	8.6	1034	1.3	165.38	15.0	12.0	16.0	16.0			
	11.0	845	1.5	128.85	14.0	12.0	16.0	16.0			
	13.7	702	1.7	103.85	13.0	12.0	16.0	16.0			
	15.1	723	1.8	94.25	13.0	12.0	16.0	16.0			
	19.9	563	2.2	71.50	12.0	12.0	16.0	16.0			
	22.0	514	2.3	64.50	12.0	12.0	16.0	16.0	**PSH 2100- 90L/4A**	67	84-85
	28.3	406	2.7	50.25	11.0	12.0	16.0	16.0			
	33.2	367	2.5	42.78	11.0	12.0	16.0	16.0			
	36.8	331	2.6	38.59	10.0	12.0	16.0	16.0			
	41.4	287	3.0	34.29	10.0	12.0	16.0	16.0			
	47.2	261	2.8	30.06	10.0	12.0	16.0	16.0			
	58.6	213	3.0	24.23	9.0	12.0	16.0	16.0			
	15.1	598	0.9	94.15	8.0	9.0	13.0	12.0			
	18.0	596	1.1	78.83	8.0	9.0	13.0	12.0			
	21.4	509	1.2	66.45	9.0	9.0	13.0	12.0			
	24.4	452	1.3	58.23	9.0	9.0	13.0	12.0			
	27.3	405	1.4	52.10	9.0	9.0	13.0	12.0			
	31.7	352	1.6	44.79	9.0	9.0	13.0	12.0			
	37.5	317	1.7	37.89	8.0	9.0	13.0	12.0			
	44.5	271	1.9	31.94	8.0	9.0	13.0	12.0			
	50.7	240	2.1	27.99	8.0	9.0	13.0	12.0			
	56.7	215	2.3	25.04	7.0	9.0	13.0	12.0	**PSH 2080 - 90L/4A**	42	80-81
	66.0	187	2.5	21.53	7.0	9.0	13.0	12.0			
	74.4	166	2.7	19.08	7.0	9.0	13.0	12.0			
	88.9	143	2.2	15.97	6.0	9.0	13.0	12.0			
	101.5	126	2.4	13.99	6.0	9.0	13.0	12.0			
	113.4	114	2.5	12.52	6.0	8.0	13.0	12.0			
	132.0	98	2.6	10.76	6.0	8.0	13.0	12.0			
	148.8	87	2.8	9.54	6.0	8.0	13.0	12.0			
	188.1	69	2.8	7.55	5.0	7.0	12.0	12.0			
	49.7	237	1.0	28.59	6.0	8.0	11.0	10.0			
	56.4	211	1.2	25.18	6.0	8.0	11.0	10.0			
	63.7	187	1.3	22.29	6.0	8.0	11.0	10.0			
	74.7	161	1.3	19.01	5.0	8.0	11.0	10.0			
	91.1	137	1.4	15.58	5.0	7.0	11.0	10.0			
	111.4	113	1.6	12.75	5.0	7.0	11.0	10.0	**PSH 2063 - 90L/4A**	32	76-77
	126.4	100	1.8	11.23	5.0	6.0	11.0	10.0			
	142.9	89	1.9	9.94	4.0	6.0	10.0	10.0			
	167.5	76	2.2	8.48	4.0	6.0	10.0	10.0			
	191.9	67	2.3	7.40	4.0	6.0	10.0	10.0			
	84.1	141	0.8	16.89	4.0	4.0	6.0	8.0			
	96.1	125	0.9	14.77	4.0	4.0	6.0	8.0			
	108.0	115	1.0	13.15	2.0	2.0	6.0	7.0			
	122.1	102	1.1	11.63	3.0	2.0	6.0	7.0	**PSH 2050 - 90L/4A**	28	72-73
	151.2	83	1.3	9.39	3.0	3.0	6.0	7.0			
	173.6	73	1.5	8.18	3.0	3.0	6.0	7.0			
	198.6	63	1.7	7.15	3.0	3.0	6.0	7.0			

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	Kg	Sayfa Page mm
2.20	4.2	2968	1.0	337.55	23.0	21.0	27.0	28.0			
	7.0	1954	1.3	201.71	27.0	21.0	27.0	28.0			
	7.7	1796	1.4	182.58	27.0	21.0	27.0	28.0			
	8.8	1564	1.6	160.58	26.0	21.0	27.0	28.0			
	9.7	1465	1.6	144.62	25.0	21.0	27.0	28.0			
	12.0	1243	1.8	117.50	24.0	21.0	27.0	28.0			
	14.0	1078	2.0	100.48	23.0	21.0	27.0	28.0			
	16.1	1042	2.3	87.40	22.0	21.0	27.0	28.0	**PSH 2125 - 100L/4A**	110	88-89
	18.3	928	2.5	76.88	21.0	21.0	27.0	28.0			
	20.4	836	2.3	69.23	21.0	21.0	27.0	28.0			
	25.1	696	3.0	56.25	20.0	21.0	27.0	28.0			
	29.3	602	3.3	48.10	19.0	21.0	27.0	28.0			
	34.4	519	3.5	40.98	18.0	21.0	27.0	28.0			
	39.9	463	2.7	35.31	17.0	21.0	27.0	28.0			
	44.4	417	2.9	31.79	17.0	21.0	27.0	28.0			
	10.9	1248	1.0	128.85	12.0	12.0	16.0	16.0			
	13.6	1037	1.1	103.85	12.0	12.0	16.0	16.0			
	15.0	1067	1.2	94.25	11.0	12.0	16.0	16.0			
	19.7	831	1.5	71.50	11.0	12.0	16.0	16.0			
	21.9	759	1.6	64.50	11.0	12.0	16.0	16.0			
	28.1	599	1.9	50.25	10.0	12.0	16.0	16.0			
	33.0	542	2.0	42.78	10.0	12.0	16.0	16.0			
	36.5	489	2.3	38.59	10.0	12.0	16.0	16.0			
	41.1	424	2.6	34.29	9.0	12.0	16.0	16.0			
	46.9	385	2.5	30.06	9.0	12.0	16.0	16.0	**PSH 2100 - 100L/4A**	71	84-85
	58.2	314	2.9	24.23	9.0	12.0	16.0	16.0			
	68.7	269	3.0	20.52	8.0	12.0	16.0	16.0			
	74.4	254	2.2	18.94	8.0	10.0	16.0	16.0			
	82.5	229	2.3	17.09	8.0	9.0	16.0	16.0			
	86.8	216	3.1	16.25	8.0	11.0	16.0	16.0			
	105.9	180	2.6	13.31	7.0	9.0	16.0	16.0			
	131.4	145	2.8	10.73	7.0	9.0	16.0	16.0			
	155.1	125	3.0	9.09	7.0	8.0	15.0	16.0			
	27.1	598	1.0	52.10	8.0	9.0	13.0	12.0			
	31.5	521	1.1	44.79	8.0	9.0	13.0	12.0			
	37.2	469	1.2	37.89	7.0	9.0	13.0	12.0			
	44.1	400	1.3	31.94	7.0	9.0	13.0	12.0			
	50.4	355	1.4	27.99	7.0	9.0	13.0	12.0			
	56.3	317	1.5	25.04	7.0	9.0	13.0	12.0			
	65.5	276	1.7	21.53	7.0	9.0	13.0	12.0			
	73.9	245	1.9	19.08	7.0	9.0	13.0	12.0	**PSH 2080 - 100L/4A**	46	80-81
	88.3	212	1.6	15.97	6.0	7.0	13.0	12.0			
	100.8	186	2.0	13.99	6.0	7.0	13.0	12.0			
	112.6	168	2.1	12.52	6.0	7.0	13.0	12.0			
	131.0	144	2.4	10.76	5.0	7.0	13.0	12.0			
	147.8	128	2.5	9.54	5.0	7.0	12.0	12.0			
	186.8	102	2.7	7.55	5.0	6.0	12.0	11.0			
	74.2	238	0.9	19.01	5.0	7.0	11.0	10.0			
	90.5	202	0.9	15.58	4.0	5.0	11.0	10.0			
	110.6	167	1.1	12.75	4.0	5.0	10.0	10.0			
	125.6	147	1.2	11.23	4.0	5.0	10.0	10.0	**PSH 2063 - 100L/4A**	36	76-77
	141.9	132	1.3	9.94	4.0	5.0	10.0	10.0			
	166.3	112	1.5	8.48	4.0	5.0	9.0	9.0			
	190.5	99	1.6	7.40	4.0	5.0	9.0	9.0			

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	Kg	Sayfa Page mm
3.00	7.0	2664	1.0	201.71	24.0	21.0	27.0	28.0			
	7.7	2449	1.0	182.58	24.0	21.0	27.0	28.0			
	8.8	2186	1.1	160.58	24.0	21.0	27.0	28.0			
	9.7	1998	1.2	144.62	24.0	21.0	27.0	28.0			
	12.0	1695	1.3	117.50	23.0	21.0	27.0	28.0			
	14.0	1470	1.4	100.48	22.0	21.0	27.0	28.0			
	16.1	1421	1.7	87.40	21.0	21.0	27.0	28.0			
	18.3	1265	1.8	76.88	20.0	21.0	27.0	28.0			
	20.4	1139	1.7	69.23	20.0	21.0	27.0	28.0			
	25.1	949	2.2	56.25	19.0	21.0	27.0	28.0	**PSH 2125 - 100L/4B**	113	88-89
	29.3	830	2.4	48.10	18.0	21.0	27.0	28.0			
	34.4	708	2.6	40.98	17.0	21.0	27.0	28.0			
	39.9	631	2.0	35.31	17.0	21.0	27.0	28.0			
	44.4	568	2.1	31.79	16.0	21.0	27.0	28.0			
	54.6	467	2.3	25.83	15.0	21.0	27.0	28.0			
	63.8	404	2.5	22.09	15.0	21.0	27.0	28.0			
	74.9	344	2.6	18.82	14.0	20.0	27.0	28.0			
	88.7	297	2.1	15.90	13.0	17.0	27.0	28.0			
	109.1	242	2.3	12.92	13.0	16.0	27.0	27.0			
	127.6	209	2.5	11.05	12.0	15.0	26.0	26.0			
	19.7	1133	1.1	71.50	9.0	12.0	16.0	16.0			
	21.9	1035	1.1	64.50	9.0	12.0	16.0	16.0			
	28.1	817	1.3	50.25	9.0	12.0	16.0	16.0			
	33.0	739	1.5	42.78	9.0	12.0	16.0	16.0			
	36.5	666	1.7	38.59	9.0	12.0	16.0	16.0			
	41.1	578	1.9	34.29	9.0	12.0	16.0	16.0			
	46.9	525	1.9	30.06	9.0	12.0	16.0	16.0			
	58.2	428	2.1	24.23	8.0	11.0	16.0	16.0	**PSH 2100 - 100L/4B**	74	84-85
	68.7	367	2.3	20.52	8.0	11.0	16.0	16.0			
	74.4	346	1.6	18.94	7.0	8.0	16.0	16.0			
	82.5	313	1.7	17.09	7.0	8.0	16.0	16.0			
	86.8	294	2.3	16.25	8.0	10.0	16.0	16.0			
	105.9	246	1.9	13.31	7.0	8.0	16.0	16.0			
	131.4	198	2.1	10.73	7.0	8.0	16.0	16.0			
	155.1	170	2.2	9.09	6.0	7.0	15.0	16.0			
	44.1	545	1.0	31.94	6.0	8.0	13.0	12.0			
	50.4	483	1.1	27.99	6.0	8.0	13.0	12.0			
	56.3	432	1.1	25.04	6.0	9.0	13.0	12.0			
	65.5	376	1.2	21.53	6.0	8.0	13.0	12.0			
	73.9	333	1.4	19.08	6.0	8.0	13.0	12.0			
	88.3	289	1.2	15.97	5.0	6.0	13.0	11.0	**PSH 2080 - 100L/4B**	48	80-81
	100.8	253	1.4	13.99	5.0	6.0	13.0	11.0			
	112.6	229	1.5	12.52	5.0	6.0	13.0	11.0			
	131.0	197	1.7	10.76	5.0	6.0	13.0	11.0			
	147.8	174	1.8	9.54	5.0	6.0	12.0	11.0			
	186.8	140	2.0	7.55	5.0	6.0	12.0	11.0			

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	Kg	Sayfa Page mm
4.00	9.9	2627	0.9	144.62	21.0	21.0	27.0	28.0	**PSH 2125 - 112M/4B**	122	88-89
	12.2	2229	1.0	117.50	21.0	21.0	27.0	28.0			
	14.2	1933	1.1	100.48	20.0	21.0	27.0	28.0			
	16.4	1868	1.3	87.40	19.0	21.0	27.0	28.0			
	18.6	1664	1.4	76.88	19.0	21.0	27.0	28.0			
	20.7	1498	1.3	69.23	18.0	21.0	27.0	28.0			
	25.4	1247	1.7	56.25	18.0	21.0	27.0	28.0			
	29.7	1079	1.8	48.10	17.0	21.0	27.0	28.0			
	34.9	931	2.0	40.98	17.0	21.0	27.0	28.0			
	40.5	830	1.9	35.31	16.0	21.0	27.0	28.0			
	45.0	747	2.4	31.79	16.0	21.0	27.0	28.0			
	55.4	614	2.6	25.83	15.0	21.0	27.0	28.0			
	64.7	531	2.8	22.09	14.0	20.0	27.0	28.0			
	76.0	452	2.9	18.82	14.0	19.0	27.0	28.0			
	89.9	391	2.4	15.90	13.0	16.0	27.0	27.0			
	110.7	318	2.6	12.92	12.0	15.0	26.0	26.0			
	129.4	275	2.8	11.05	12.0	14.0	25.0	25.0			
	28.5	1074	1.0	50.25	8.0	12.0	16.0	16.0	**PSH 2100 - 112M/4B**	83	84-85
	33.4	971	1.1	42.78	8.0	9.0	16.0	16.0			
	37.1	876	1.3	38.59	8.0	10.0	16.0	16.0			
	41.7	760	1.4	34.29	8.0	12.0	16.0	16.0			
	47.6	691	1.5	30.06	8.0	10.0	16.0	16.0			
	59.0	563	1.8	24.23	8.0	10.0	16.0	16.0			
	69.7	482	1.7	20.52	7.0	10.0	16.0	16.0			
	75.5	455	1.8	18.94	6.0	6.0	16.0	16.0			
	83.7	411	1.7	17.09	6.0	6.0	16.0	16.0			
	88.0	386	1.9	16.25	7.0	9.0	16.0	16.0			
	107.4	324	2.1	13.31	6.0	6.0	16.0	16.0			
	133.3	261	2.4	10.73	6.0	7.0	15.0	16.0			
	157.3	223	2.5	9.09	6.0	6.0	15.0	16.0			
	198.6	177	2.6	7.20	6.0	6.0	14.0	15.0			
	66.4	495	1.0	21.53	5.0	7.0	13.0	12.0	**PSH 2080 - 112M/4B**	57	80-81
	74.9	438	1.0	19.08	5.0	7.0	13.0	12.0			
	89.5	380	0.9	15.97	4.0	3.0	13.0	9.0			
	102.2	333	1.1	13.99	4.0	4.0	13.0	10.0			
	114.2	301	1.1	12.52	4.0	4.0	12.0	10.0			
	132.9	259	1.3	10.76	5.0	4.0	12.0	10.0			
	149.9	229	1.5	9.54	5.0	5.0	12.0	10.0			
	189.4	184	1.6	7.55	4.0	5.0	11.0	10.0			
5.50	18.8	2264	1.0	76.88	16.0	21.0	27.0	28.0	**PSH 2125 - 132S/4C**	136	88-89
	20.9	2038	1.0	69.23	16.0	21.0	27.0	28.0			
	25.7	1697	1.2	56.25	16.0	21.0	27.0	28.0			
	30.0	1469	1.3	48.10	16.0	21.0	27.0	28.0			
	35.3	1266	1.5	40.98	15.0	21.0	27.0	28.0			
	40.9	1129	1.1	35.31	15.0	20.0	27.0	28.0			
	45.5	1017	1.8	31.79	15.0	19.0	27.0	28.0			
	55.9	836	2.0	25.83	14.0	19.0	27.0	28.0			
	65.4	723	2.2	22.09	14.0	18.0	27.0	28.0			
	76.8	616	2.5	18.82	13.0	17.0	27.0	28.0			
	90.9	532	2.3	15.90	12.0	14.0	27.0	25.0			
	99.4	481	2.8	14.54	12.0	16.0	27.0	27.0			
	111.8	432	2.8	12.92	12.0	13.0	26.0	24.0			
	130.8	374	2.9	11.05	11.0	13.0	25.0	24.0			
	153.6	318	3.1	9.41	11.0	12.0	24.0	23.0			
	171.2	285	3.3	8.44	10.0	12.0	23.0	23.0			
	186.5	262	3.3	7.75	10.0	12.0	23.0	22.0			
	198.8	246	3.4	7.27	10.0	12.0	22.0	22.0			

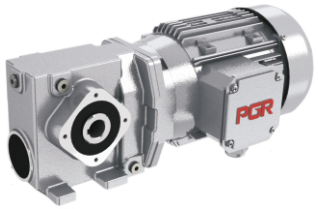
P_1 [kW]	n_2 [Min^{-1}]	M_2 [Nm]	f_B	i_{ges}	F_R [kN]	F_A [kN]	$F_{R\,GR}$ [kN]	$F_{A\,GR}$ [kN]	Tip / Type	Kg	Sayfa Page mm
5.50	48.1	940	1.1	30.06	6.0	7.0	16.0	16.0	**PSH 2100 - 132S/4C**	97	84-85
	59.6	766	1.3	24.23	6.0	8.0	16.0	16.0			
	70.4	656	1.3	20.52	6.0	8.0	16.0	16.0			
	76.3	620	0.9	18.94	3.0	3.0	16.0	13.0			
	84.6	559	1.3	17.09	4.0	3.0	16.0	14.0			
	88.9	526	1.4	16.25	6.0	8.0	16.0	16.0			
	108.6	440	1.6	13.31	5.0	4.0	15.0	14.0			
	134.7	355	2.0	10.73	6.0	5.0	15.0	14.0			
	159.0	304	2.4	9.09	5.0	5.0	14.0	14.0			
	200.7	241	2.8	7.20	5.0	5.0	14.0	14.0			
7.50	30.1	1996	1.0	48.10	14.0	21.0	27.0	28.0	**PSH 2125 - 132M/4B**	147	88-89
	35.4	1721	1.1	40.98	14.0	20.0	27.0	28.0			
	41.1	1535	0.8	35.31	13.0	16.0	27.0	28.0			
	45.6	1382	1.3	31.79	13.0	16.0	27.0	28.0			
	56.1	1136	1.5	25.83	13.0	16.0	27.0	28.0			
	65.6	982	1.6	22.09	13.0	16.0	27.0	27.0			
	77.0	837	1.8	18.82	12.0	15.0	27.0	27.0			
	91.2	723	1.7	15.90	11.0	11.0	26.0	23.0			
	99.7	654	2.1	14.54	12.0	15.0	26.0	26.0			
	112.2	587	2.0	12.92	11.0	11.0	25.0	22.0			
	131.2	508	2.2	11.05	10.0	11.0	24.0	22.0			
	154.1	432	2.3	9.41	10.0	11.0	23.0	22.0			
	171.8	388	2.4	8.44	10.0	11.0	23.0	21.0			
	187.1	356	2.4	7.75	10.0	11.0	22.0	21.0			
	199.4	334	2.5	7.27	10.0	11.0	22.0	21.0			
	89.2	714	1.0	16.25	5.0	6.0	16.0	16.0	**PSH 2100 - 132M/4B**	107	84-85
	108.9	598	1.2	13.31	2.0	2.0	14.0	11.0			
	135.1	482	1.5	10.73	3.0	3.0	14.0	12.0			
	159.5	413	1.8	9.09	4.0	3.0	14.0	12.0			
	201.4	327	2.1	7.20	5.0	4.0	13.0	12.0			
9.20	45.6	1695	1.1	31.79	12.0	13.0	27.0	26.0	**PSH 2125 - 132M/4**	154	88-89
	56.1	1393	1.2	25.83	12.0	14.0	27.0	26.0			
	65.6	1205	1.3	22.09	12.0	14.0	27.0	26.0			
	77.0	1026	1.5	18.82	12.0	14.0	27.0	25.0			
	91.2	886	1.4	15.90	10.0	9.0	25.0	20.0			
	99.7	802	1.7	14.54	11.0	13.0	26.0	25.0			
	112.2	720	1.7	12.92	10.0	9.0	24.0	21.0			
	131.2	623	2.0	11.05	10.0	10.0	24.0	21.0			
	154.1	530	2.1	9.41	10.0	10.0	23.0	20.0			
	171.8	476	2.4	8.44	10.0	10.0	22.0	20.0			
	187.1	437	2.3	7.75	9.0	10.0	22.0	20.0			
	199.4	410	2.3	7.27	9.0	10.0	21.0	20.0			
11.00	56.1	1665	1.0	25.83	11.0	11.0	27.0	24.0	**PSH 2125 - 160M/4B**	174	88-89
	65.6	1440	1.1	22.09	11.0	12.0	27.0	24.0			
	77.0	1227	1.2	18.82	11.0	12.0	27.0	24.0			
	91.2	1060	1.2	15.90	8.0	6.0	24.0	18.0			
	99.7	959	1.4	14.54	10.0	12.0	25.0	24.0			
	112.2	861	1.4	12.92	9.0	7.0	24.0	19.0			
	131.2	745	1.7	11.05	9.0	8.0	23.0	19.0			
	154.1	634	1.8	9.41	9.0	8.0	22.0	19.0			
	171.8	569	2.0	8.44	9.0	8.0	22.0	19.0			
	187.1	522	1.9	7.75	9.0	8.0	21.0	19.0			
	199.4	490	1.9	7.27	9.0	9.0	21.0	19.0			
15.00	99.7	1307	1.0	14.54	9.0	9.0	24.0	21.0	**PSH 2125 - 160L/4A**	199	88-89
	112.2	1174	1.1	12.92	4.0	3.0	22.0	15.0			
	131.2	1015	1.2	11.05	5.0	4.0	22.0	16.0			
	154.1	865	1.3	9.41	6.0	5.0	21.0	16.0			
	171.8	775	1.5	8.44	7.0	6.0	21.0	16.0			
	187.1	712	1.4	7.75	7.0	6.0	20.0	17.0			
	199.4	668	1.4	7.27	8.0	6.0	20.0	17.0			

İki - Üç Kademeli Motorlu Ölçü Tabloları

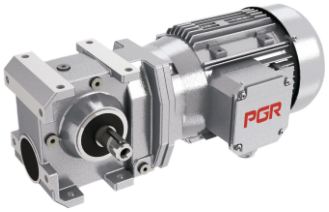
Double - Trible Stages Dimension Tables of Gearmotors

PSH

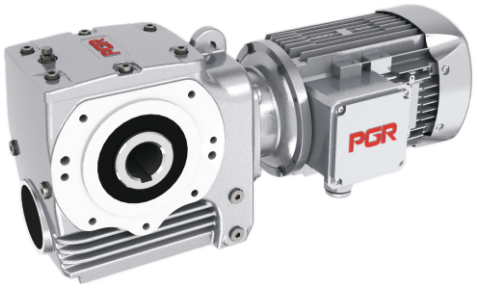
PSH 2040 DG



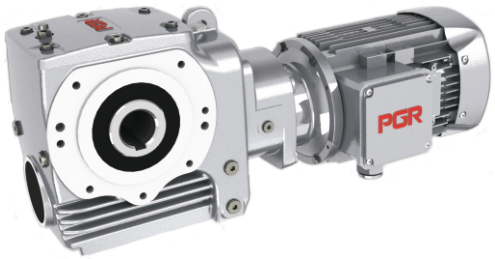
PSH 2040 TMA



PSH 2050 DG ... 2125 DG



PSH 3050 DG ... 3125 DG



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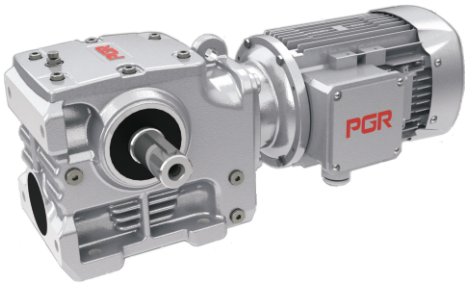
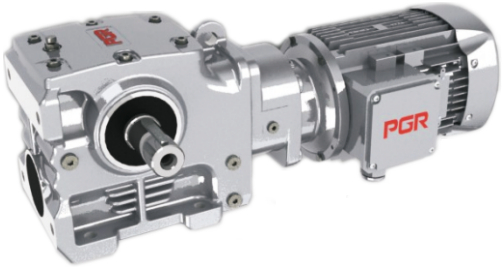


PSH 3050 TMA ... 3125 TMA



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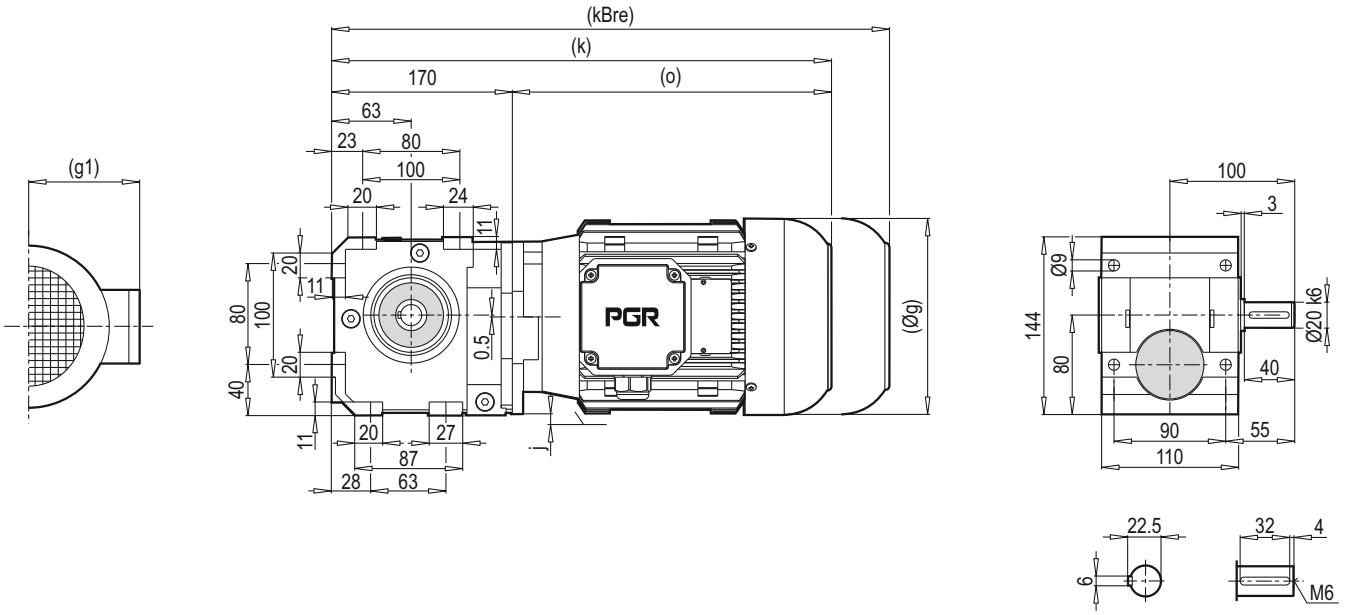
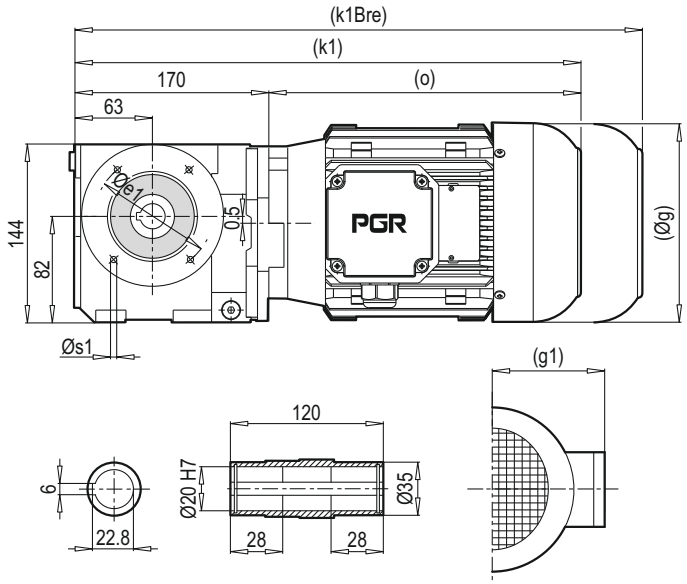
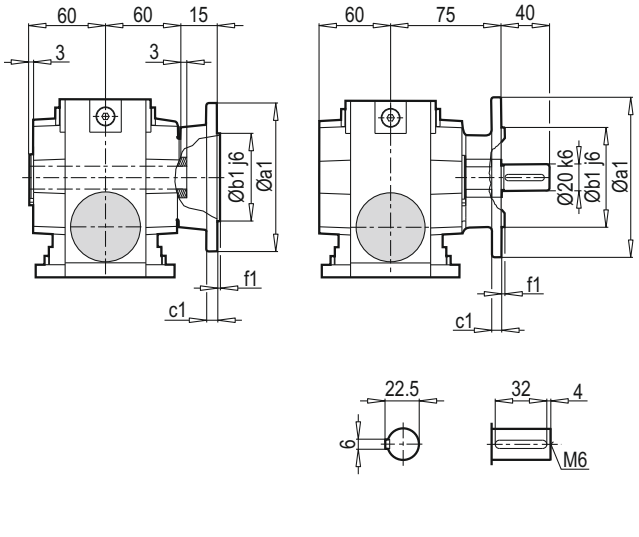


PSH 2040 DG/B5



PSH 2040 TMG/B5

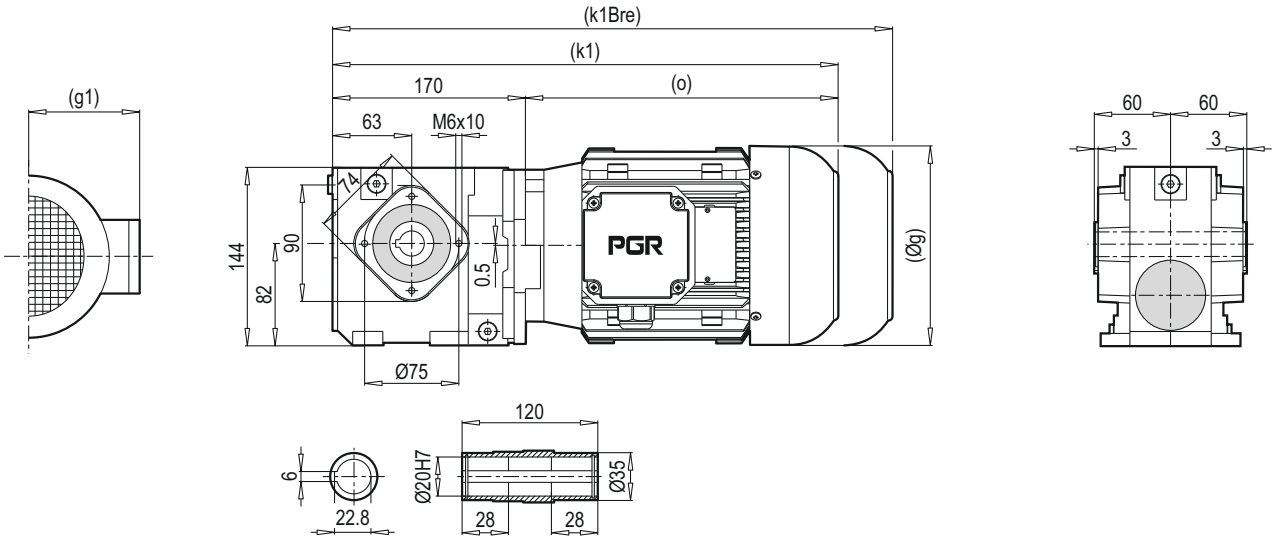


a1	b1	c1	e1	f1	s1
120	80	10	100	3	6,6
160	110	10	130	3,5	9

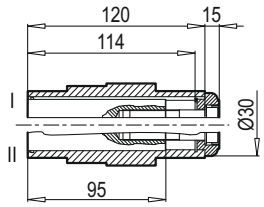
	63 M	71 M	80 M	90 S			
g	124	140	159	193			
g1	111	119	127	151			
k/k1	364/364	388/388	412/412	434/434			
kBre/k1Bre	416/416	448/448	474/474	507/507			
o	194	218	242	264			
j	–	–	3	12			

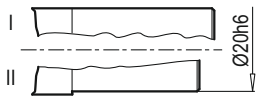
Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2040 DG/B14



PSH 2040 DG/Ç



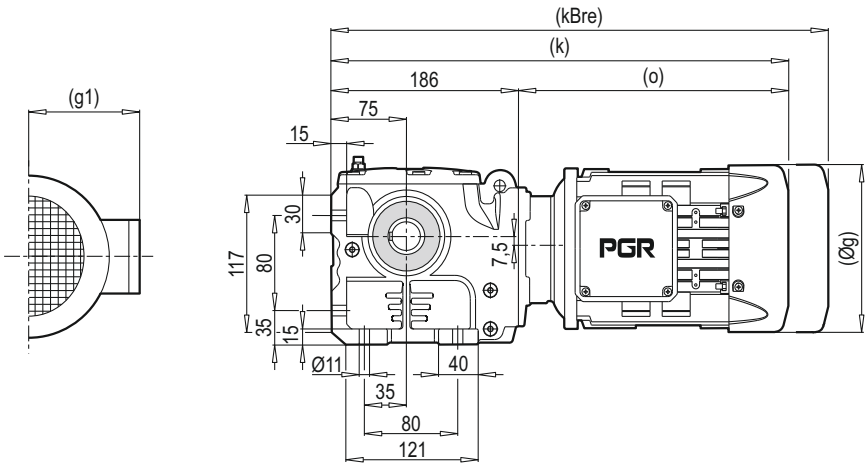


44 - 45

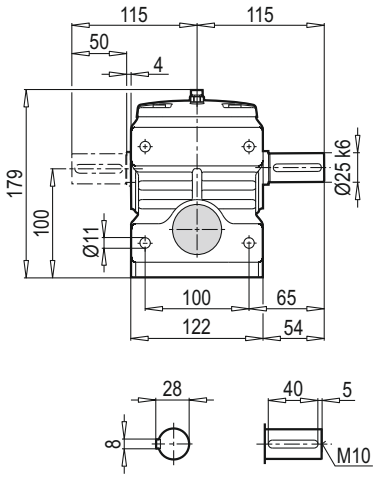
	63 M	71 M	80 M	90 S			
g	124	140	159	193			
g1	111	119	127	151			
k1	364	388	412	434			
k1Bre	416	448	474	507			
o	194	218	242	264			

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

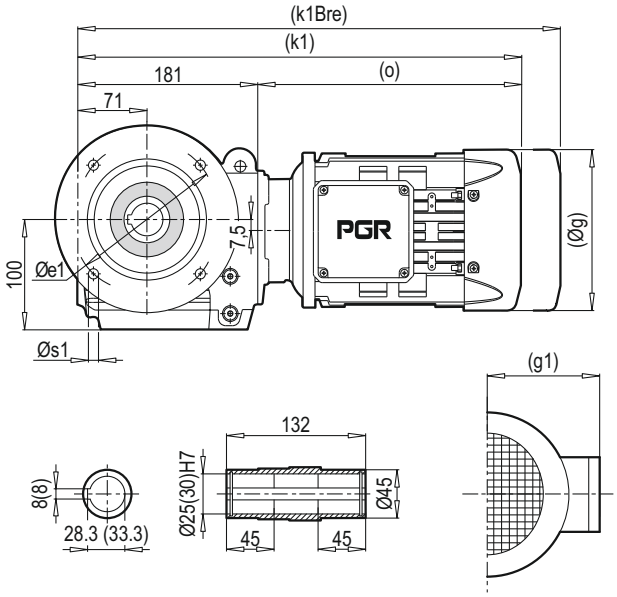
PSH 2050 TMA



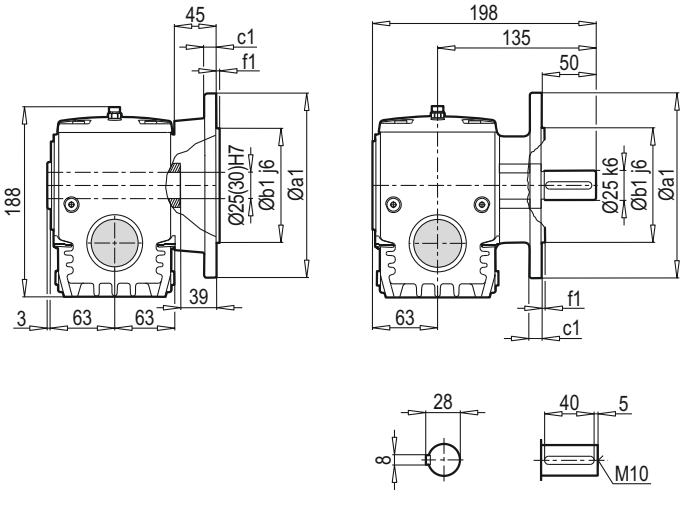
PSH 2050 ÇMA



PSH 2050 DG/B5



PSH 2050 TMG/B5



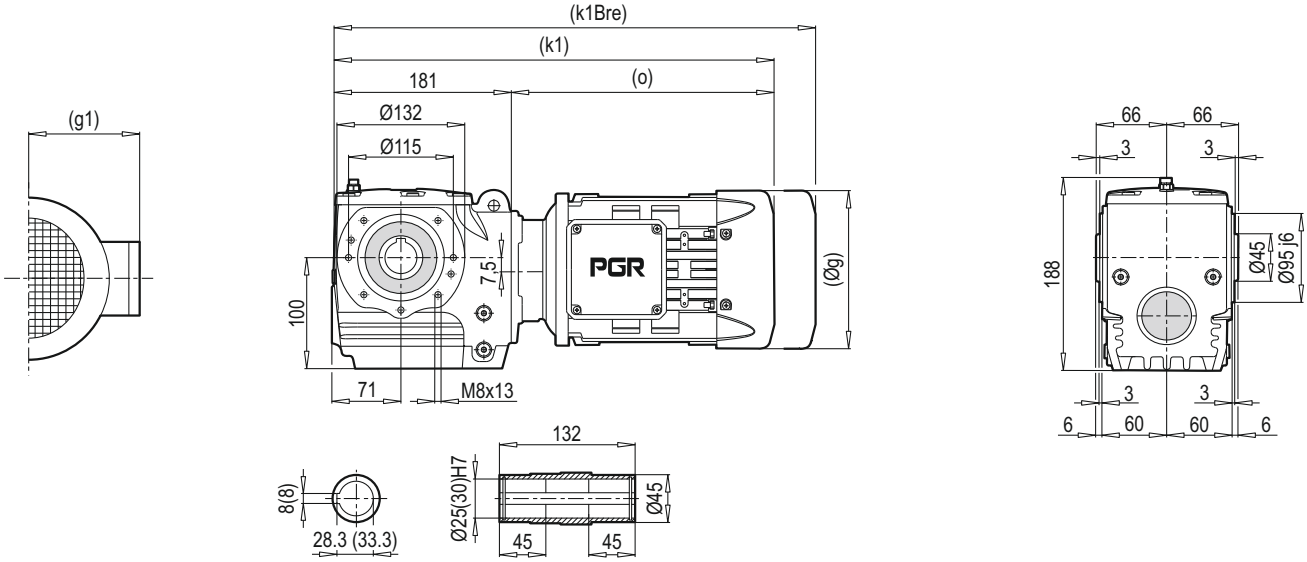
a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4 x 11

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

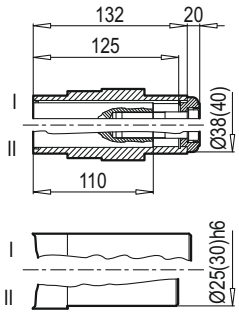
	63 M	71 M	80 M	90 S	90 L		
g	124	140	159	193	193		
g1	111	119	127	151	151		
k/k1	384 / 379	426 / 421	453 / 448	476 / 471	496 / 491		
kBre/k1Bre	436 / 431	486 / 481	515 / 510	549 / 544	569 / 564		
o	198	240	267	290	310		

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2050 DG/B14

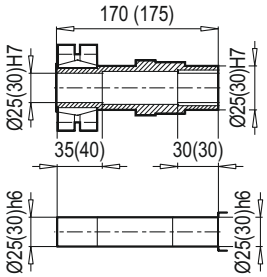


PSH 2050 DG/Ç

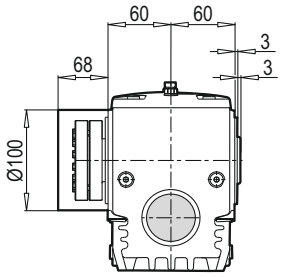


44 - 45

PSH 2050 DG/KS



PSH 2050 DG/KS-KK

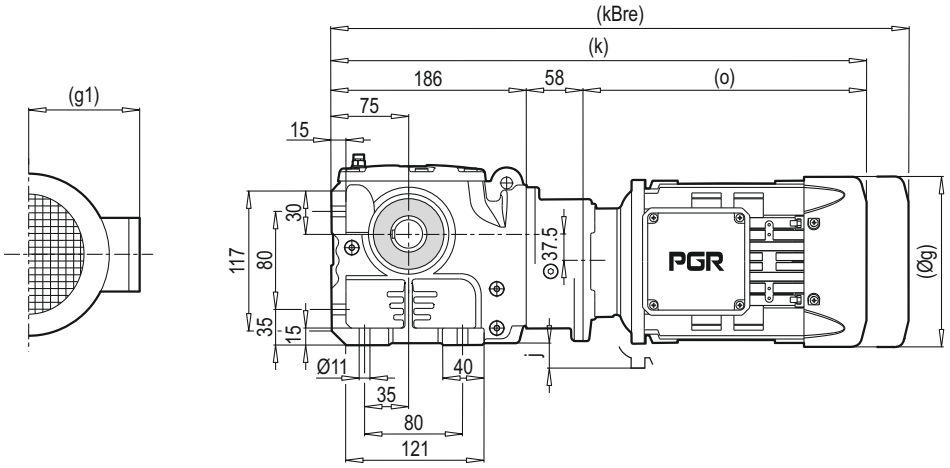


Tip/Type	Konik sıktırma / Shrink disc 41			Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
	M_{amax} (Nm)	s^{h6}	s^{f6}	dxl	Zs	MA (Nm)
KS 25/35	182	2.8	2.3	M5x25	8	7
KS 30/40	182	5.4	4.7	M6x35*	8	12

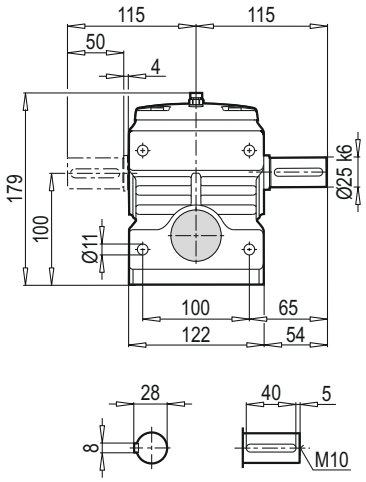
	63 M	71 M	80 M	90 S	90 L		
g	124	140	159	193	193		
g1	111	119	127	151	151		
k1	379	421	448	471	491		
k1Bre	431	481	510	544	564		
o	198	240	267	290	310		

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

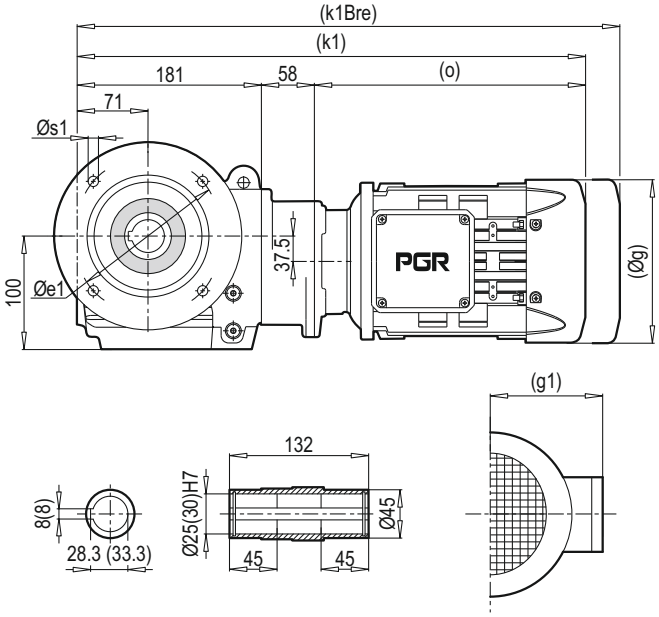
PSH 3050 TMA



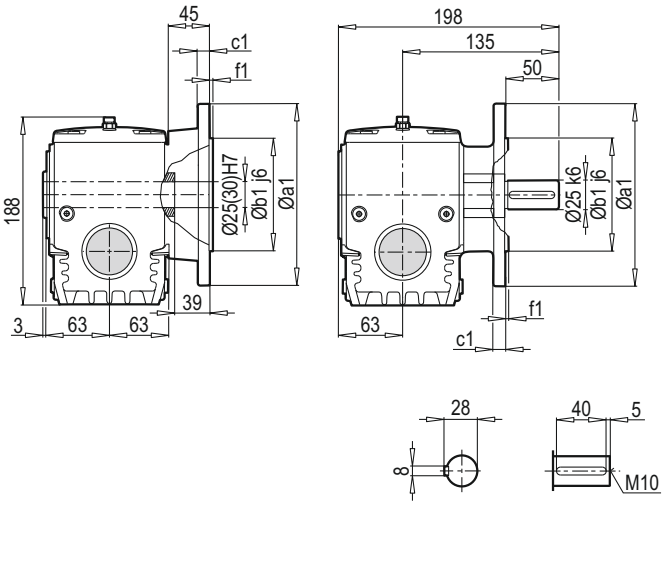
PSH 3050 ÇMA



PSH 3050 DG/B5



PSH 3050 TMG/B5



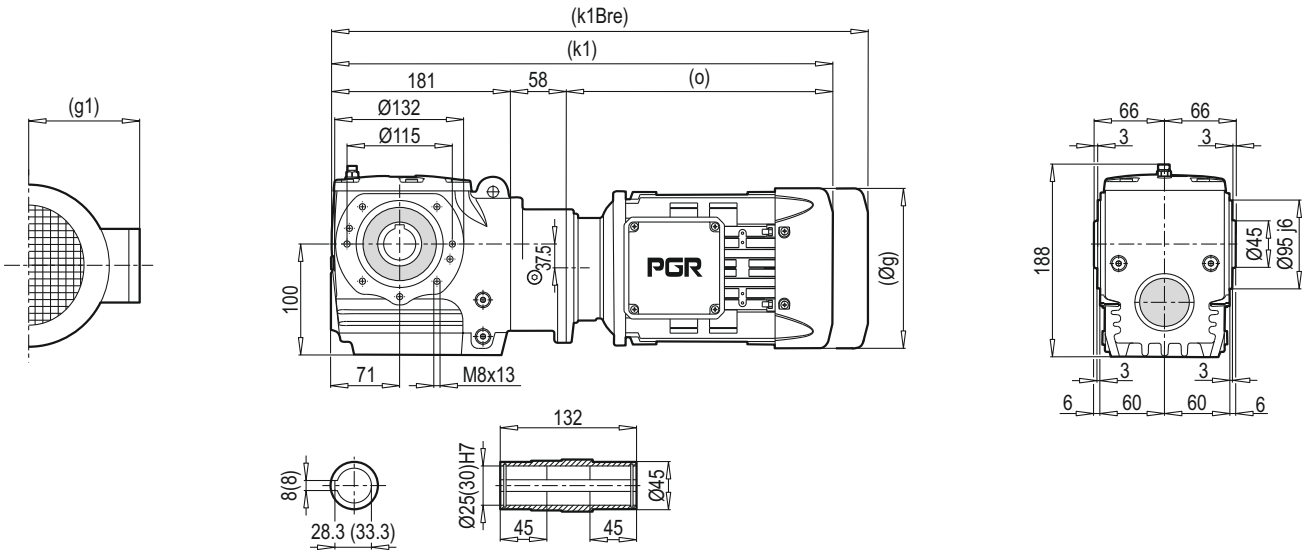
a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4 x 11

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

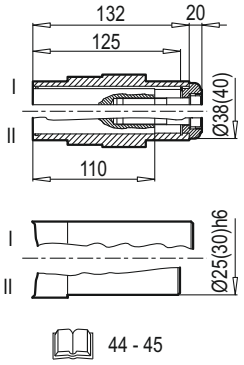
	63 M	71 M					
g	124	140					
g1	111	119					
k/k1	442 / 437	484 / 479					
kBre/k1Bre	494 / 489	544 / 539					
o	198	240					
j	2.5	10					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 3050 DG/B14

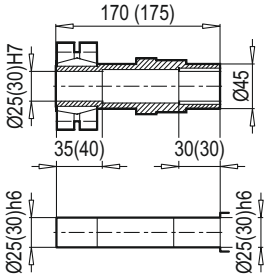


PSH 3050 DG/Ç

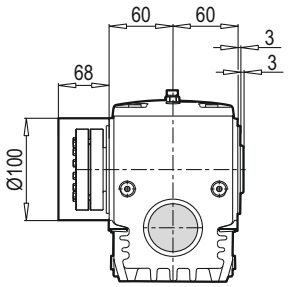


44 - 45

PSH 3050 DG/KS



PSH 3050 DG/KS-KK

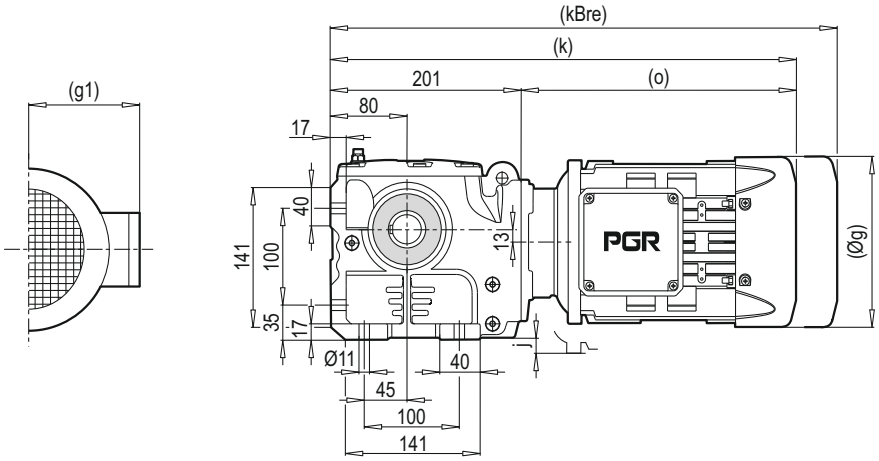


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	$_s$h6	$_s$f6	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 25/35	182	2.8	2.3	M5x25	8	7
KS 30/40	182	5.4	4.7	M6x35*	8	12

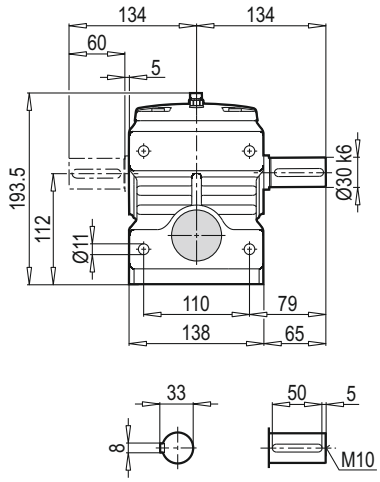
	63 M	71 M					
g	124	140					
g1	111	119					
k1	437	479					
k1Bre	489	539					
o	198	240					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

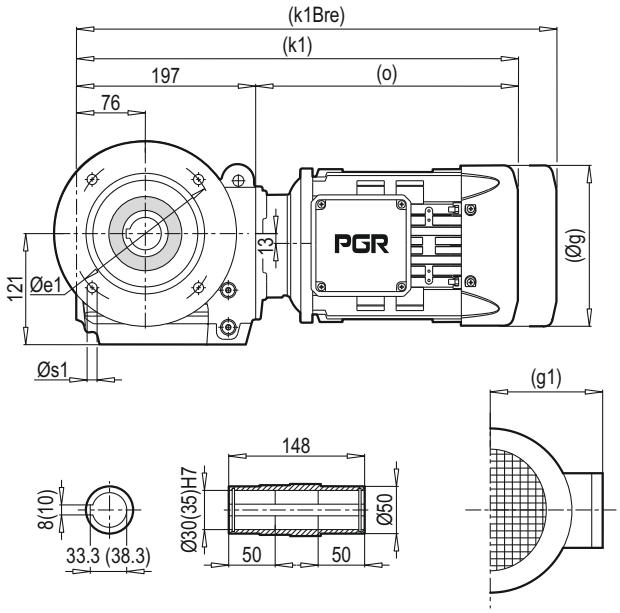
PSH 2063 TMA



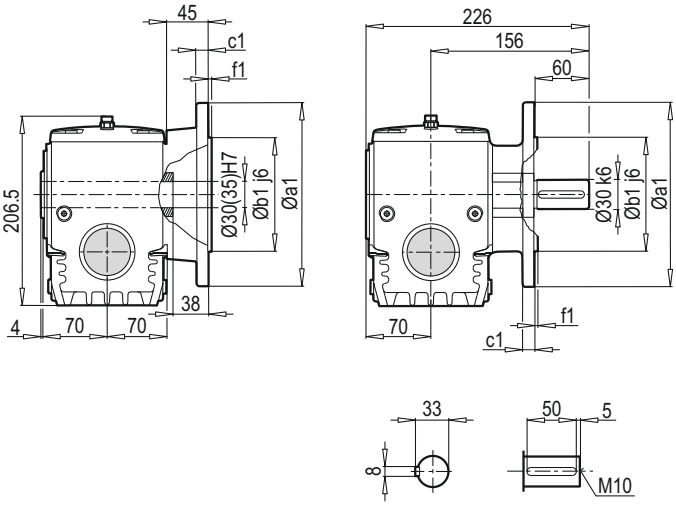
PSH 2063 ÇMA



PSH 2063 DG/B5



PSH 2063 TMG/B5



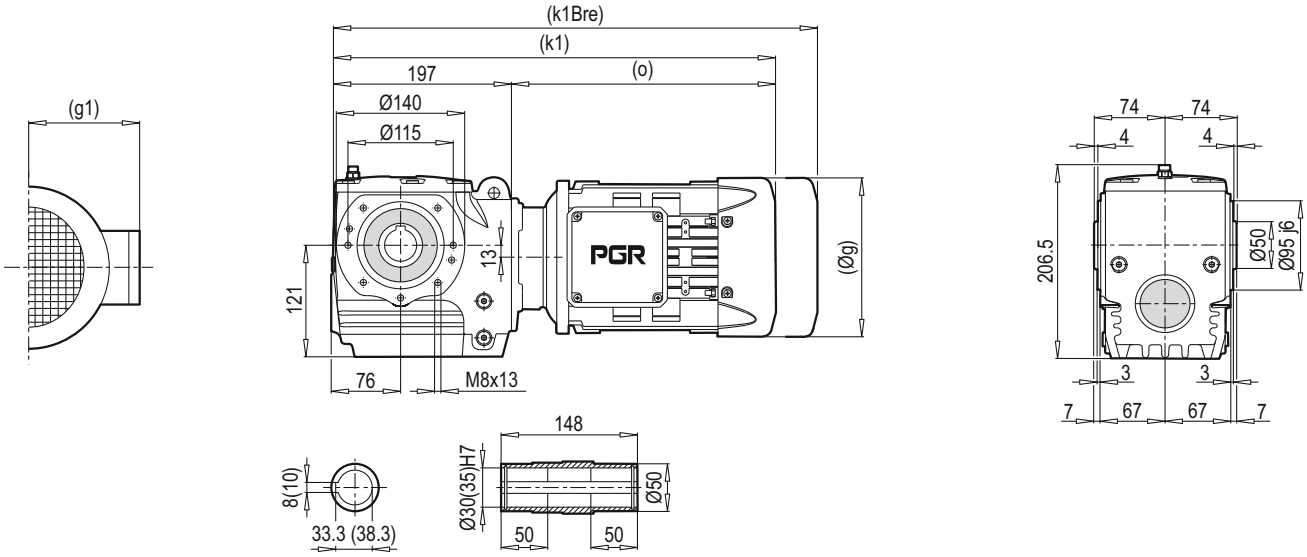
a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4 x 11

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

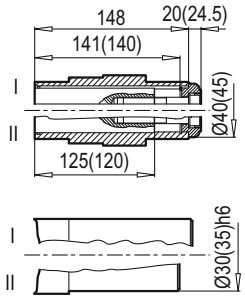
	63 M	71 M	80 M	90 S	90 L	100 L	
g	124	140	159	193	193	217	
g1	111	119	127	151	151	160	
k/k1	399 / 395	441 / 437	468 / 464	491 / 487	511 / 507	539 / 535	
kBre/k1Bre	451 / 447	501 / 497	530 / 526	564 / 560	584 / 580	620 / 616	
o	198	240	267	290	310	338	
j	–	–	–	–	–	2.5	

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2063 DG/B14

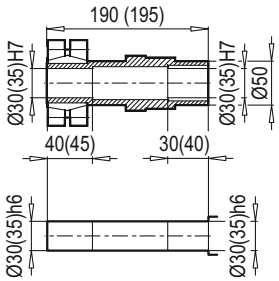


PSH 2063 DG/Ç

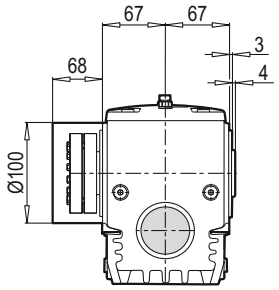


44 - 45

PSH 2063 DG/KS



PSH 2063 DG/KS-KK

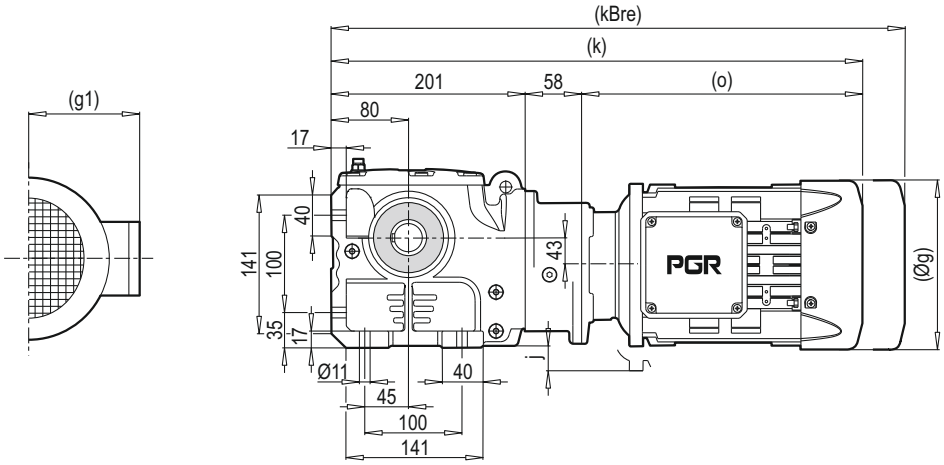


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	sh6	sf6	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 30/40	383	2.6	2.2	M6x35*	8	12
KS 35/46	383	3.0	3.2	M6x35*	10	12

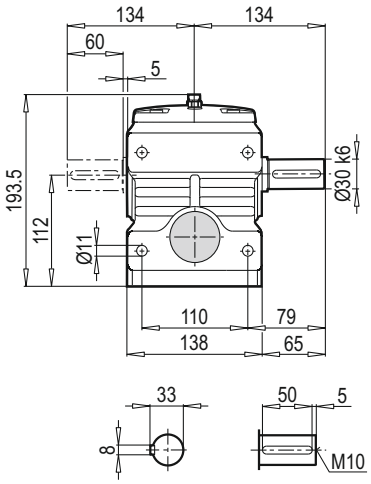
	63 M	71 M	80 M	90 S	90 L	100 L	
g	124	140	159	193	193	217	
g1	111	119	127	151	151	160	
k1	395	437	464	487	507	535	
k1Bre	447	497	526	560	580	616	
o	198	240	267	290	310	338	

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

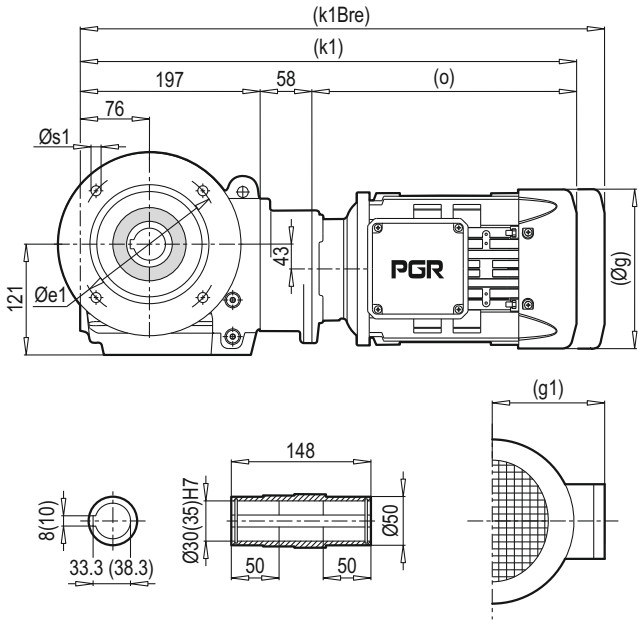
PSH 3063 TMA



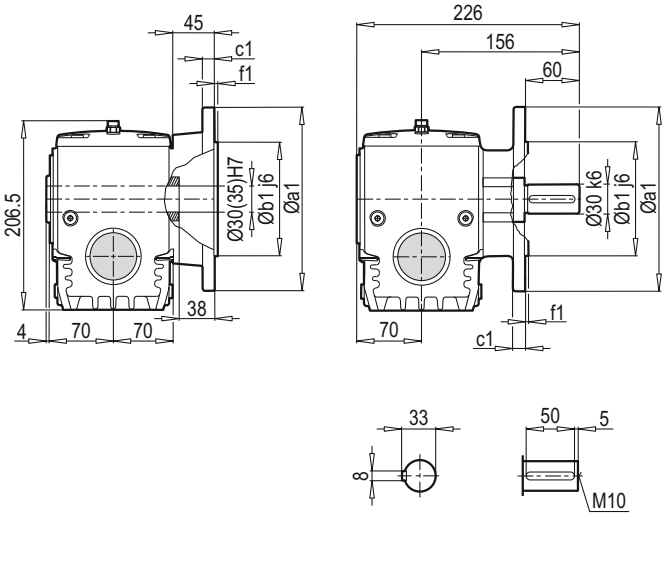
PSH 3063 ÇMA



PSH 3063 DG/B5



PSH 3063 TMG/B5



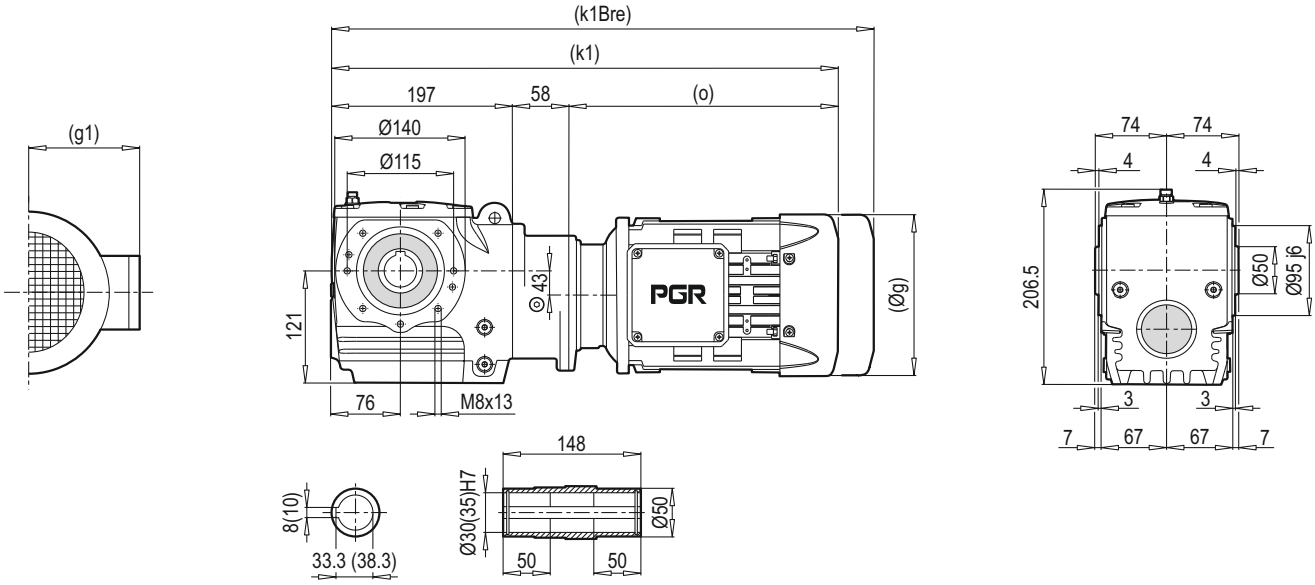
a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4 x 11

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

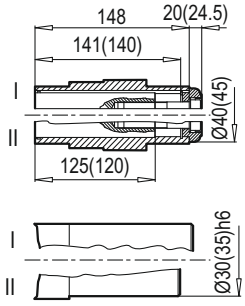
	63 M	71 M					
g	124	140					
g1	111	119					
k/k1	457 / 453	499 / 495					
kBre/k1Bre	509 / 505	559 / 555					
o	198	240					
j	–	3.5					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

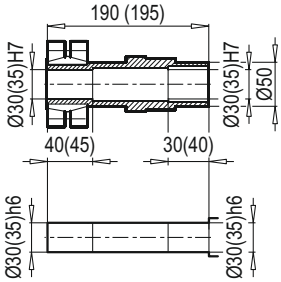
PSH 3063 DG/B14



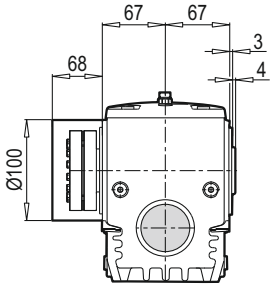
PSH 3063 DG/Ç



PSH 3063 DG/KS



PSH 3063 DG/KS/KK



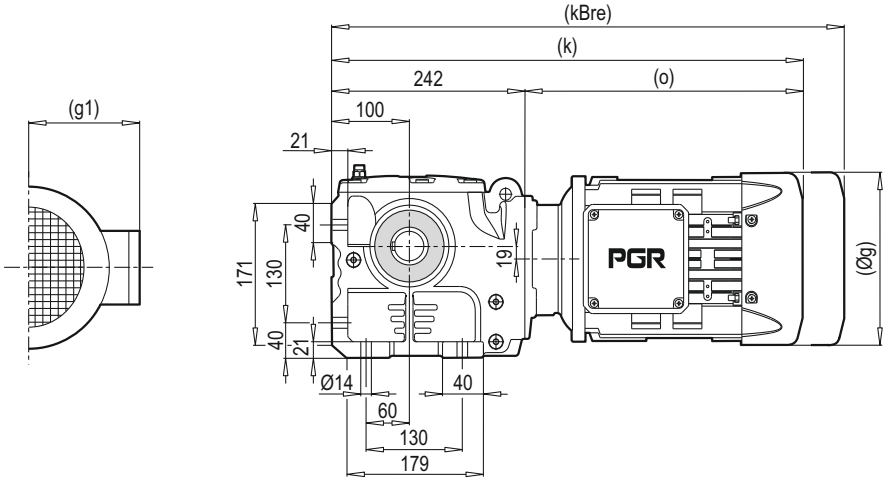
44 - 45

Tip/Type	Konik sıktırma / Shrink disc 41			Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz		
	Mamax (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

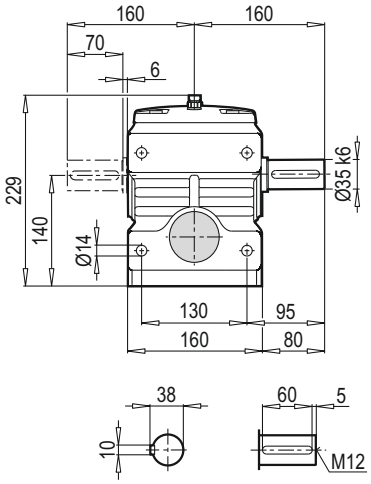
	63 M	71 M					
g	124	140					
g1	111	119					
k1	453	495					
k1Bre	505	555					
o	198	240					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

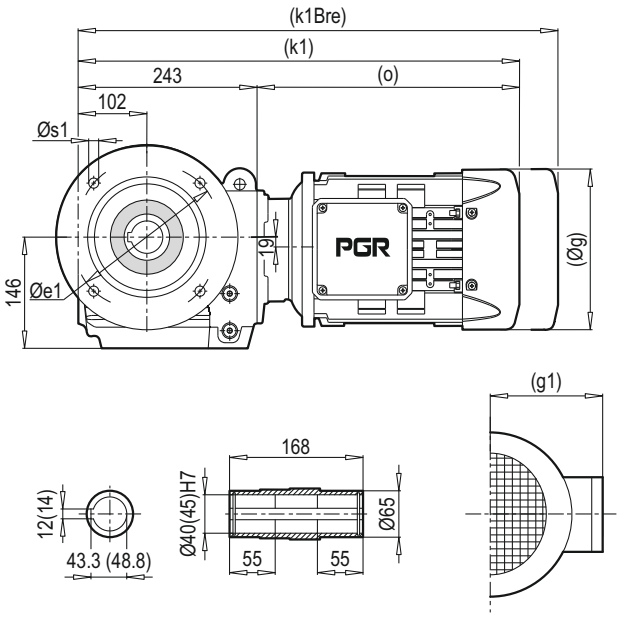
PSH 2080 TMA



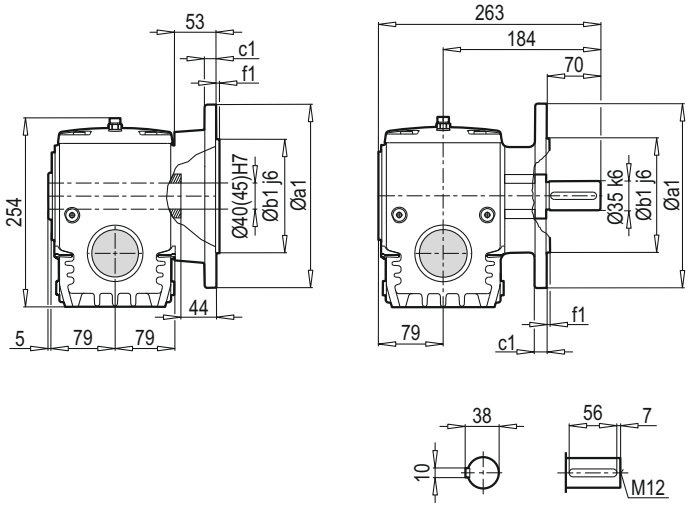
PSH 2080 ÇMA



PSH 2080 DG/B5



PSH 2080 TMG/B5



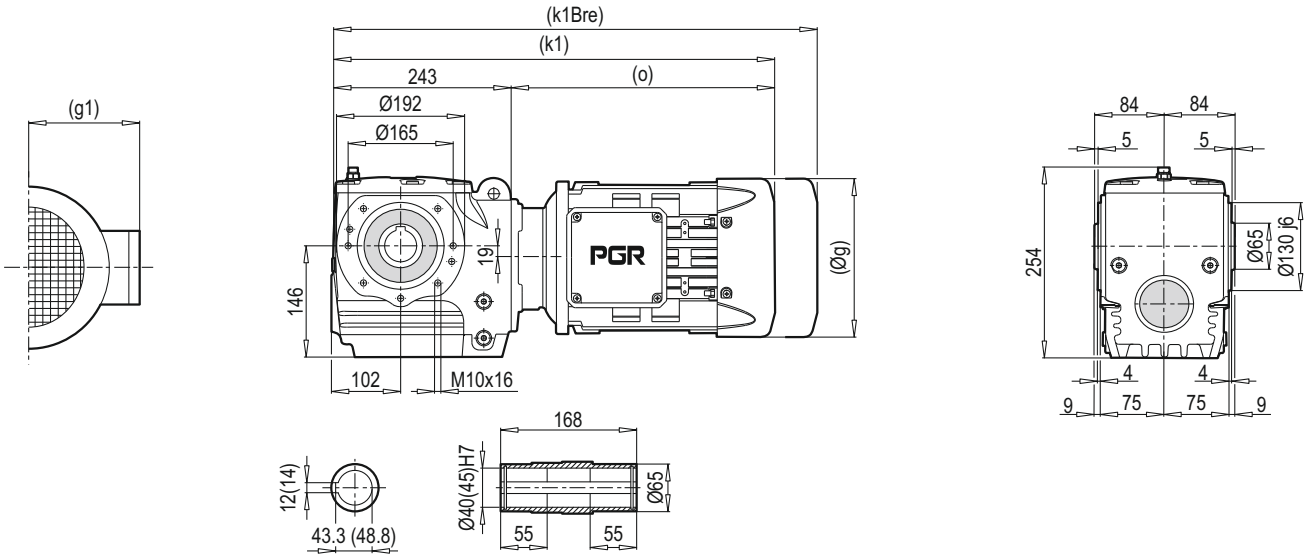
a1	b1	c1	e1	f1	s1
250	180	15	215	4	4 x 14
300	230	20	265	4	4 x 14

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

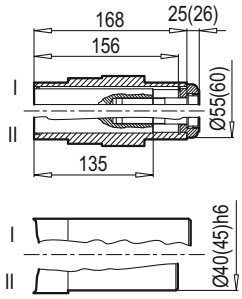
	63 M	71 M	80 M	90 S	90 L	100 L	112 M
g	124	140	159	193	193	217	232
g1	111	119	127	151	151	160	168
k/k1	440 / 441	482 / 483	509 / 510	532 / 533	552 / 553	580 / 581	625 / 626
kBre/k1Bre	492 / 493	542 / 543	571 / 572	605 / 606	625 / 626	661 / 662	705 / 706
o	198	240	267	290	310	338	383

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2080 DG/B14

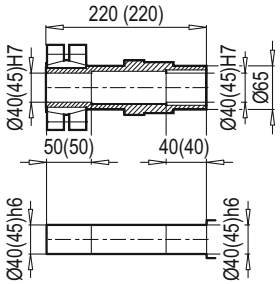


PSH 2080 DG/Ç

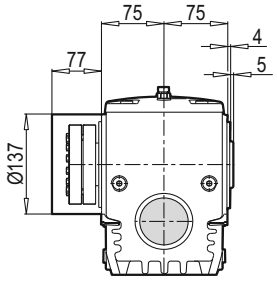


44 - 45

PSH 2080 DG/KS



PSH 2080 DG/KS-KK

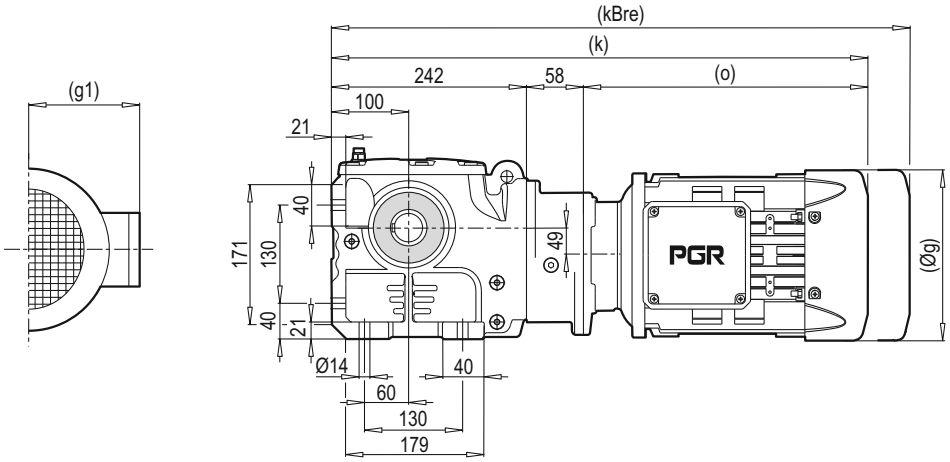


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	$_s$h6	$_s$f6	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 40/55	779	3.0	2.6	M8x40	8	30
KS 45/55	779	4.1	3.8	M8x40	8	30

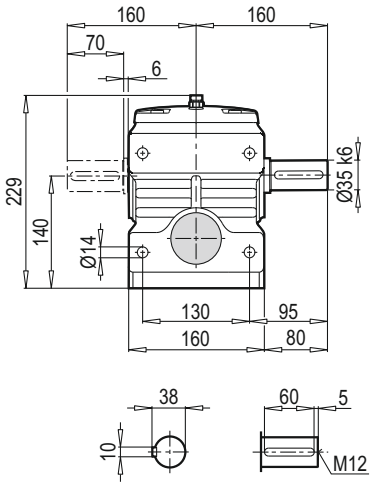
	63 M	71 M	80 M	90 S	90 L	100 L	112 M
g	124	140	159	193	193	217	232
g1	111	119	127	151	151	160	168
k1	441	483	510	533	553	581	626
k1Bre	493	543	572	606	626	662	706
o	198	240	267	290	310	338	383

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

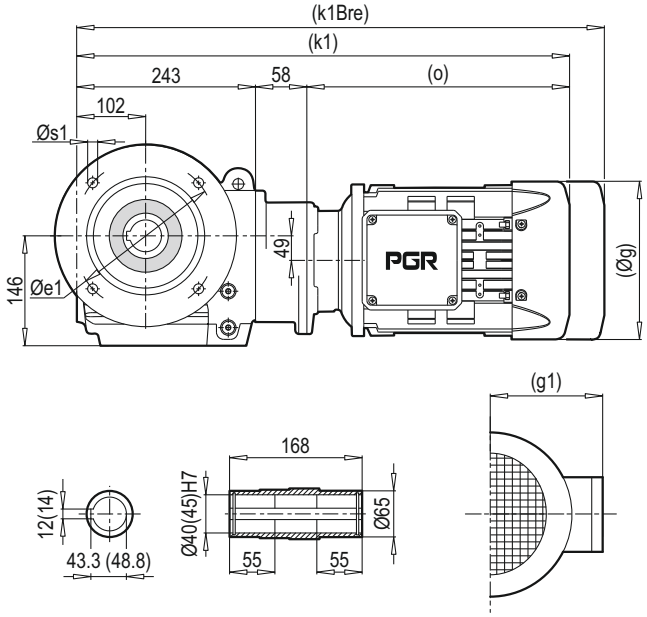
PSH 3080 TMA



PSH 3080 ÇMA

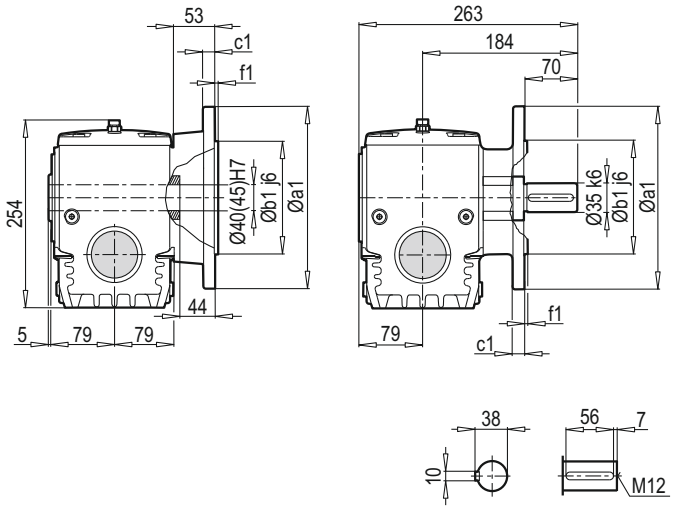


PSH 3080 DG/B5



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

PSH 3080 TMG/B5

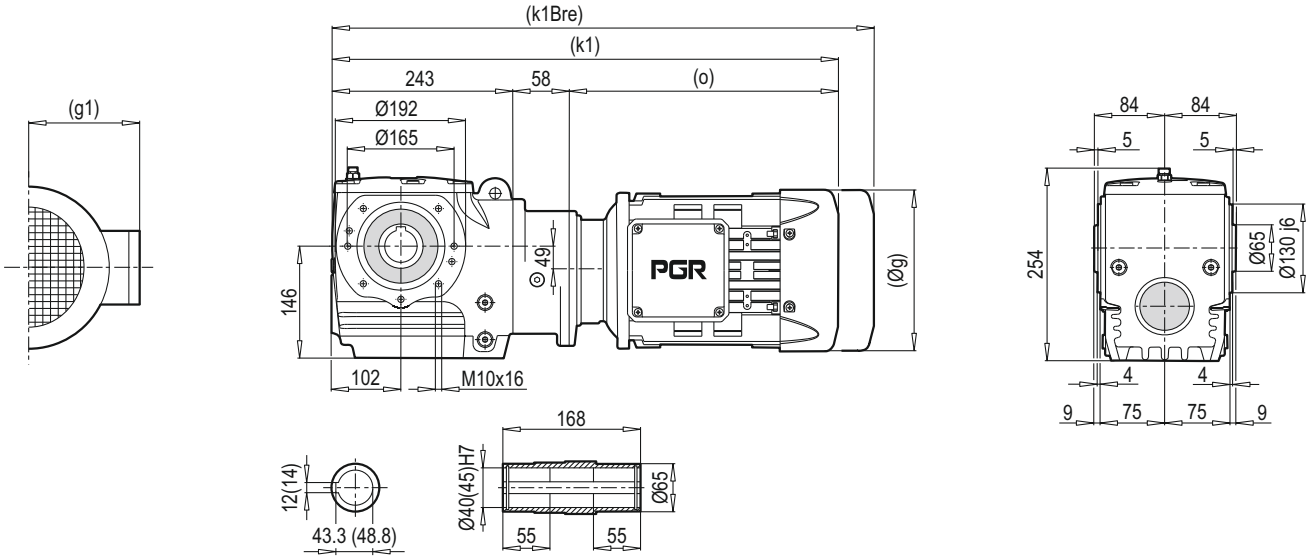


a1	b1	c1	e1	f1	s1
200	130	12	165	3.5	4 x 11

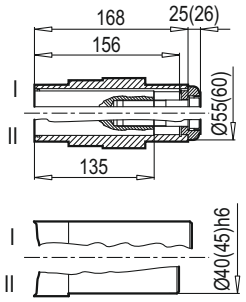
	63 M	71 M					
g	124	140					
g1	111	119					
k/k1	498 / 499	540 / 541					
kBre/k1Bre	550 / 551	600 / 601					
o	198	240					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 3080 DG/B14

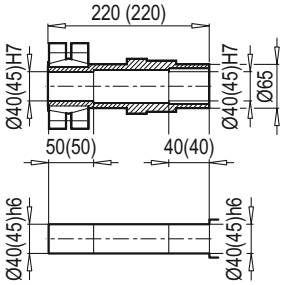


PSH 3080 DG/Ç

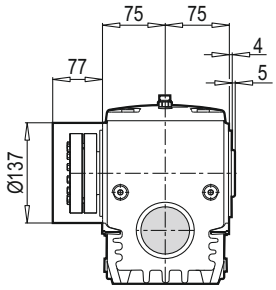


44 - 45

PSH 3080 DG/KS



PSH 3080 DG/KS-KK

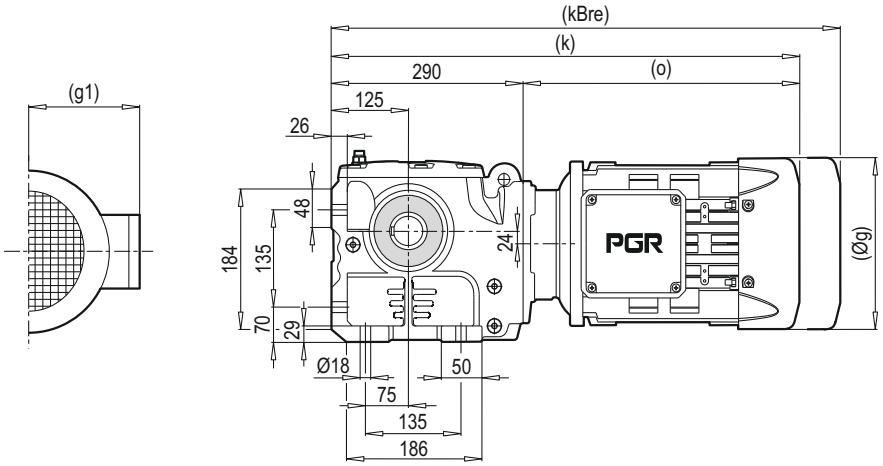


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	s_{h6}	s_{f6}	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 40/55	779	3.0	2.6	M8x40	8	30
KS 45/55	779	4.1	3.8	M8x40	8	30

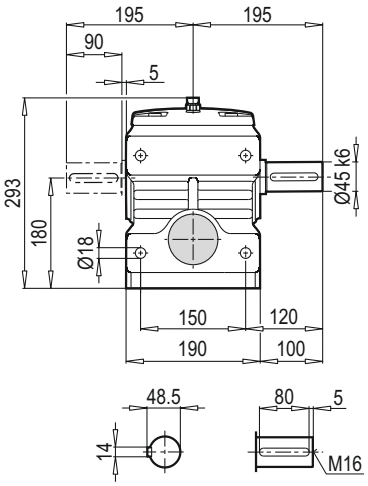
	63 M	71 M					
g	124	140					
g1	111	119					
k1	499	541					
k1Bre	551	601					
o	198	240					

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

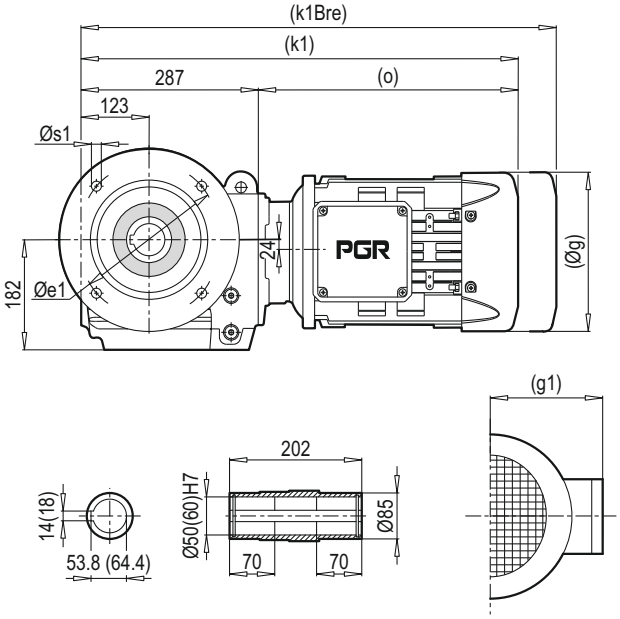
PSH 2100 TMA



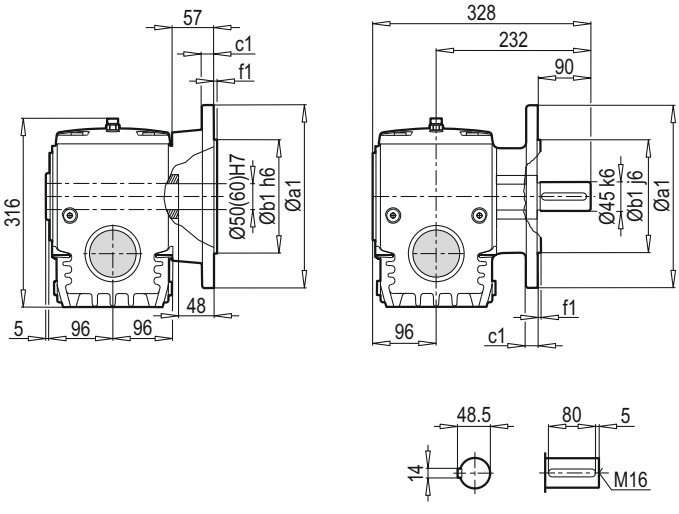
PSH 2100 ÇMA



PSH 2100 DG/B5



PSH 2100 TMG/B5



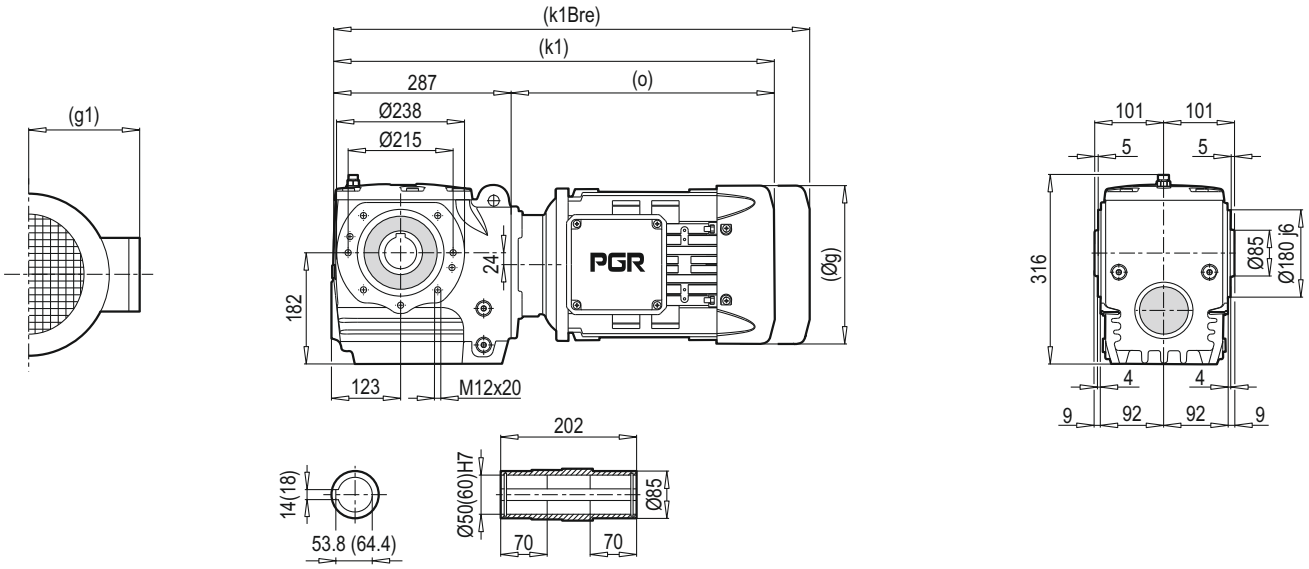
a1	b1	c1	e1	f1	s1
350	250	20	300	5	4 x 18

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

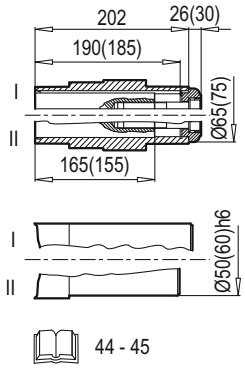
	71 M	80 M	90 S	90 L	100 L	112 M	132 S	132 M
g	140	159	193	193	217	232	279	279
g1	119	127	151	151	160	168	182	182
k/k1	526 / 523	552 / 549	575 / 572	595 / 592	623 / 620	668 / 665	675 / 672	710 / 707
kBre/k1Bre	586 / 583	614 / 611	648 / 645	668 / 665	704 / 701	748 / 745	783 / 780	851 / 848
o	236	262	285	305	333	378	385	420

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2100 DG/B14

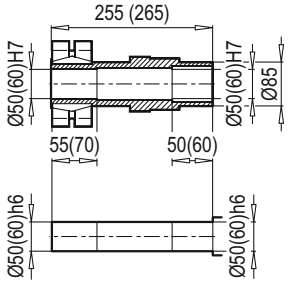


PSH 2100 DG/Ç

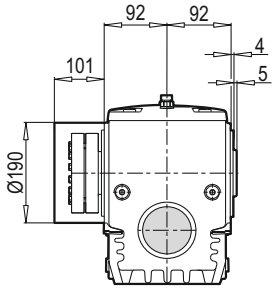


44 - 45

PSH 2100 DG/KS



PSH 2100 DG/KS/KK

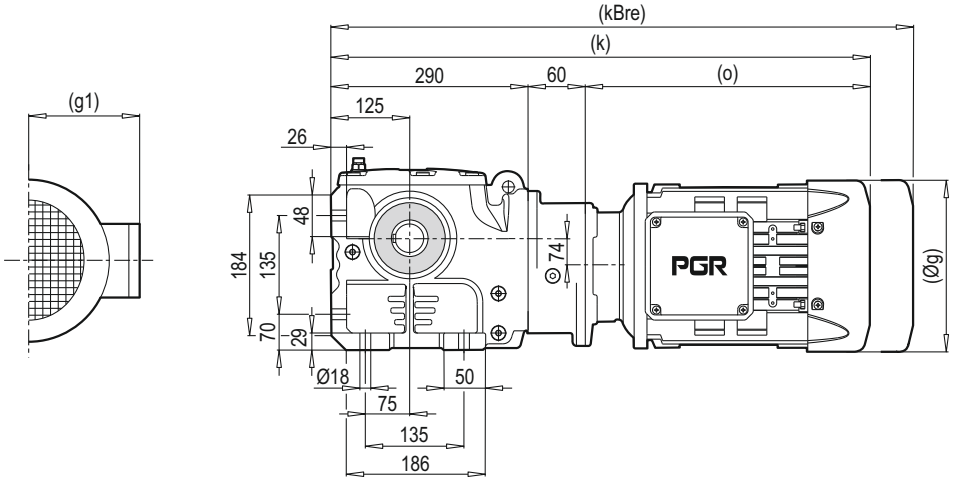


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	sh6	sf6	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 50/62	1604	2.7	2.6	M8x40	10	30
KS 60/76	1604	5.1	4.7	M10x50	10	59

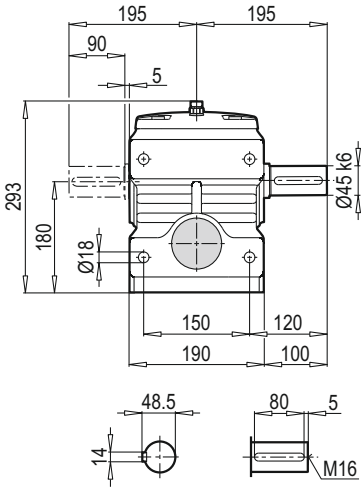
	71 M	80 M	90 S	90 L	100 L	112 M	132 S	132 M
g	140	159	193	193	217	232	279	279
g1	119	127	151	151	160	168	182	182
k1	523	549	572	592	620	665	672	707
k1Bre	583	611	645	665	701	745	780	848
o	236	262	285	305	333	378	385	420

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

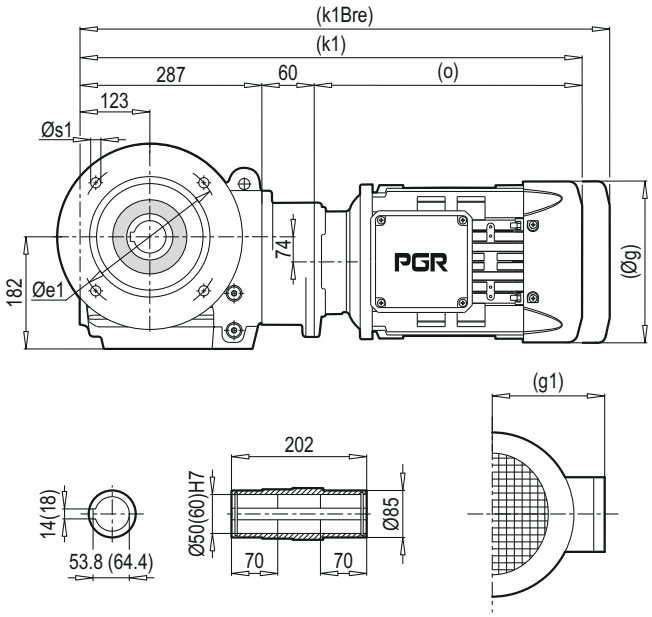
PSH 3100 TMA



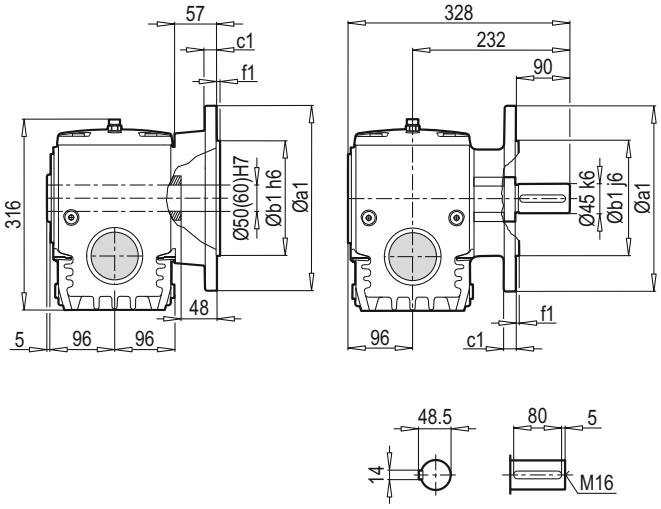
PSH 3100 ÇMA



PSH 3100 DG/B5



PSH 3100 TMG/B5



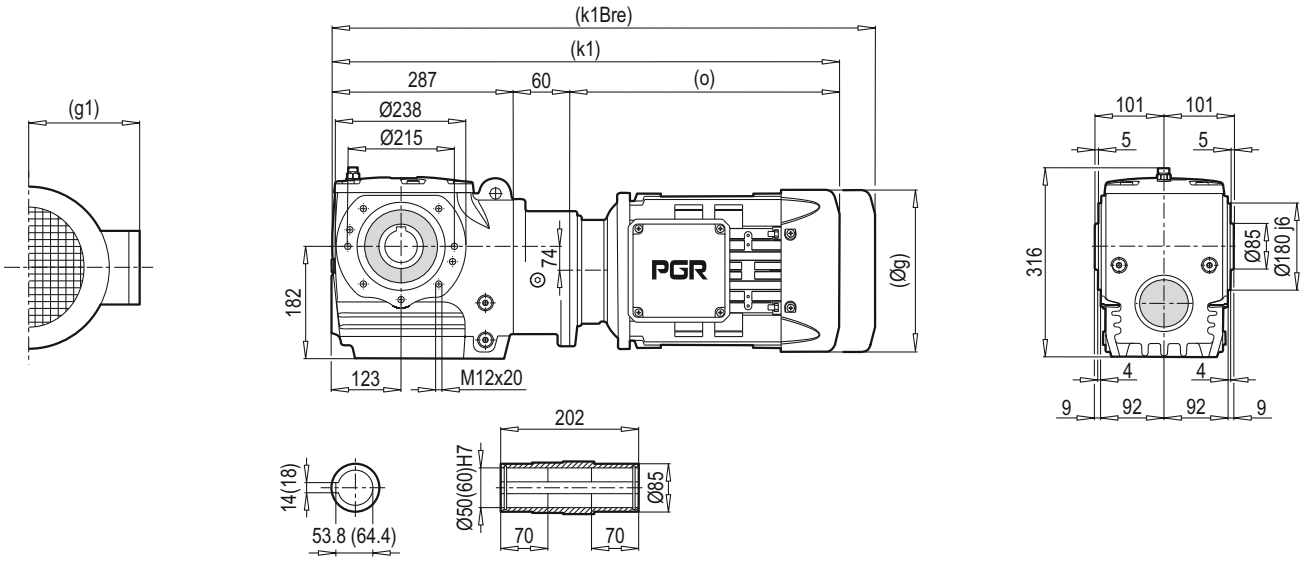
a1	b1	c1	e1	f1	s1
350	250	20	300	5	4 x 18

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

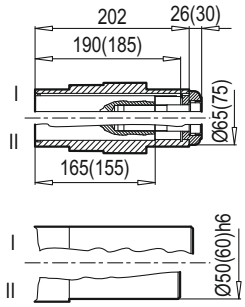
	63 M	71 M	80 M	90 S	90 L		
g	124	140	159	193	193		
g1	111	119	127	151	151		
k/k1	548 / 545	590 / 587	617 / 614	640 / 637	660 / 657		
kBre/k1Bre	600 / 597	650 / 647	679 / 676	713 / 710	733 / 730		
o	198	240	267	290	310		

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 3100 DG/B14

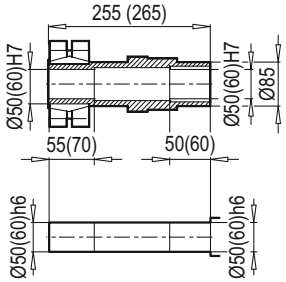


PSH 3100 DG/Ç

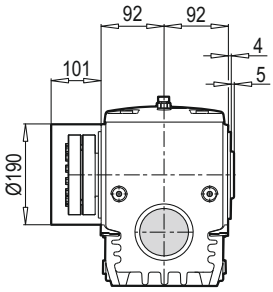


44 - 45

PSH 3100 DG/KS



PSH 3100 DG/KS-KK

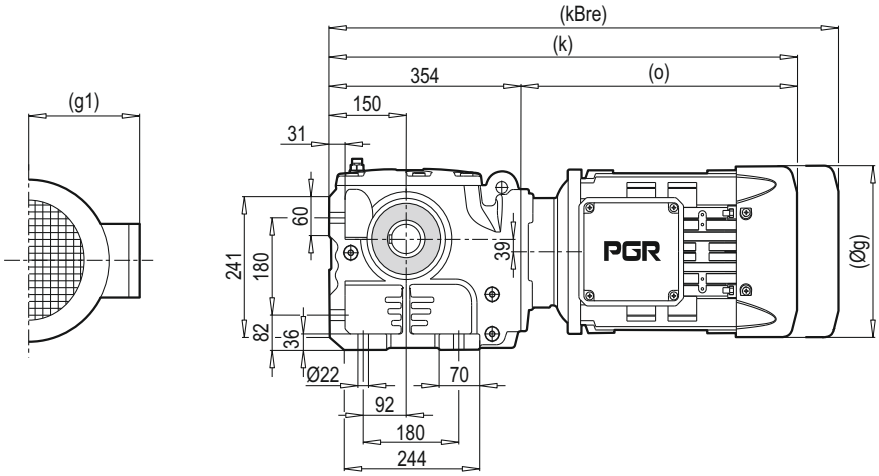


Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	s^{h6}	s^{f6}	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 50/62	1604	2.7	2.6	M8x40	10	30
KS 60/76	1604	5.1	4.7	M10x50	10	59

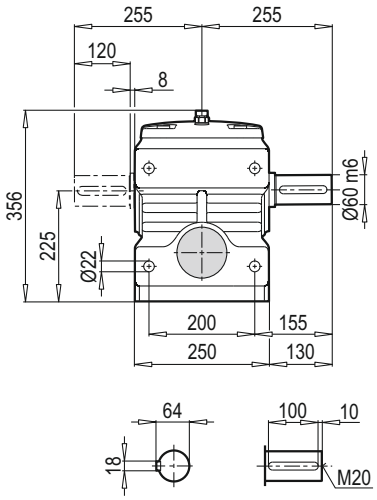
	63 M	71 M	80 M	90 S	90 L		
g	124	140	159	193	193		
g1	111	119	127	151	151		
k1	545	587	614	637	657		
k1Bre	597	647	676	710	730		
o	198	240	267	290	310		

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

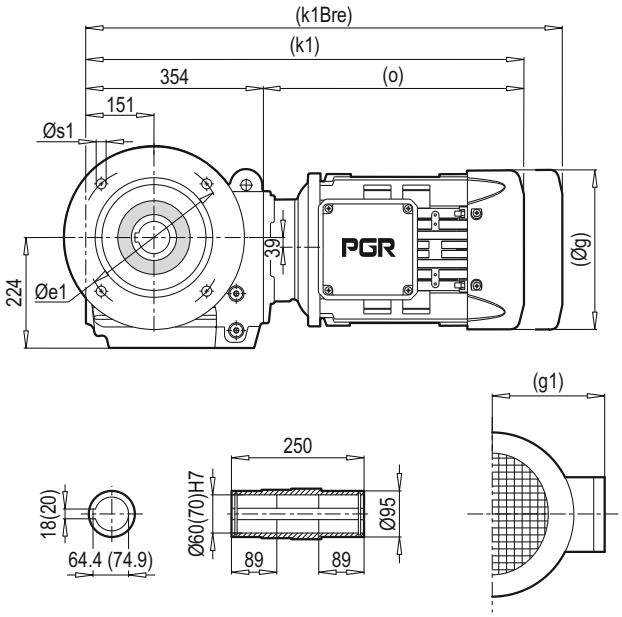
PSH 2125 TMA



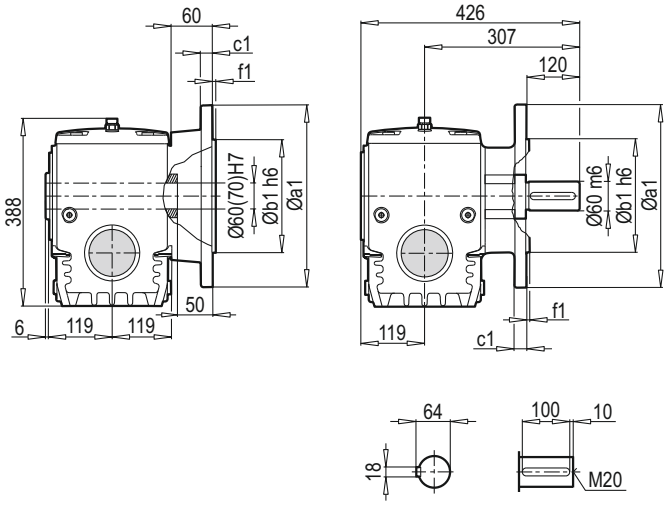
PSH 2125 ÇMA



PSH 2125 DG/B5



PSH 2125 TMG/B5



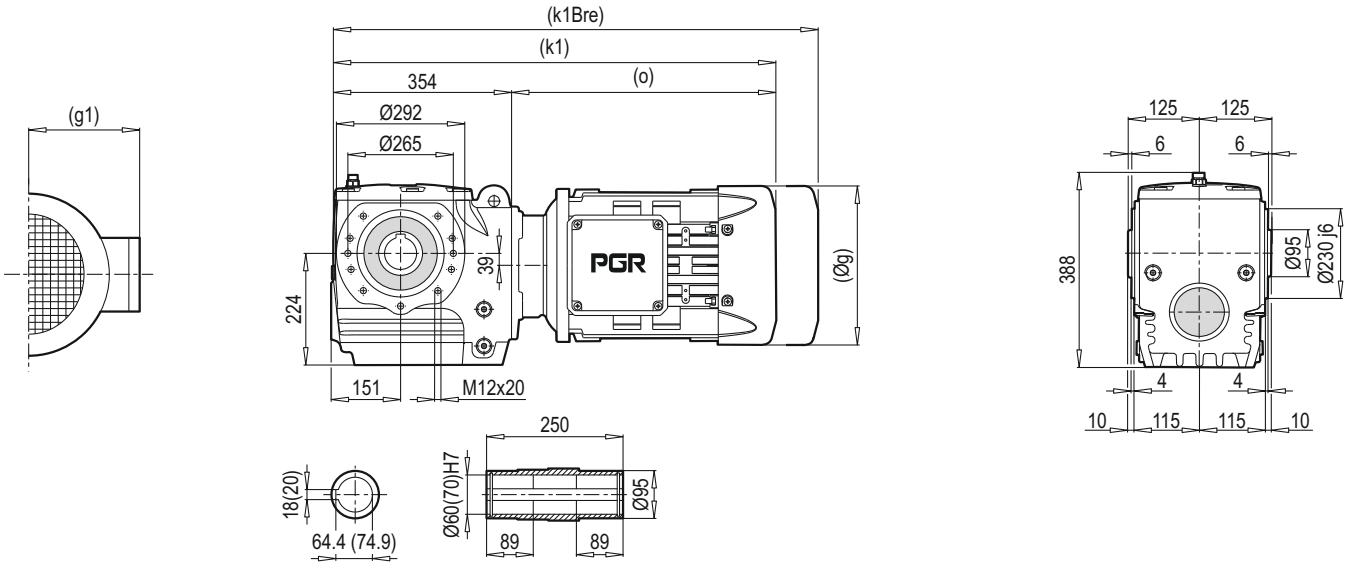
a1	b1	c1	e1	f1	s1
400	300	20	350	5	4 x 18
450	350	22	400	5	8 x 18

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

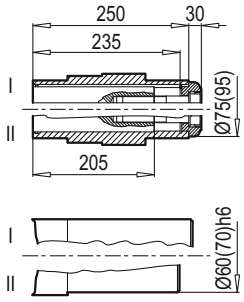
	90 S	90 L	100 L	112 M	132 S	132 M	160 M/L
g	193	193	217	232	279	279	323
g1	151	151	160	168	182	182	200
k/k1	619 / 619	639 / 639	667 / 667	712 / 712	719 / 719	754 / 754	859 / 859
kBre/k1Bre	692 / 692	712 / 712	748 / 748	792 / 792	827 / 827	895 / 895	1011 / 1011
o	265	285	313	358	365	400	505

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 2125 DG/B14

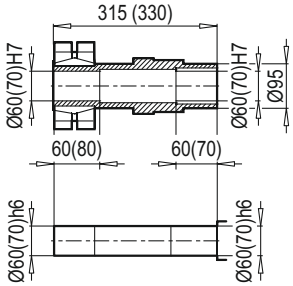


PSH 2125 DG/Ç

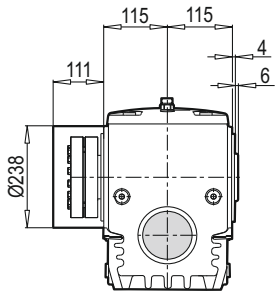


44 - 45

PSH 2125 DG/KS



PSH 2125 DG/KS/KK

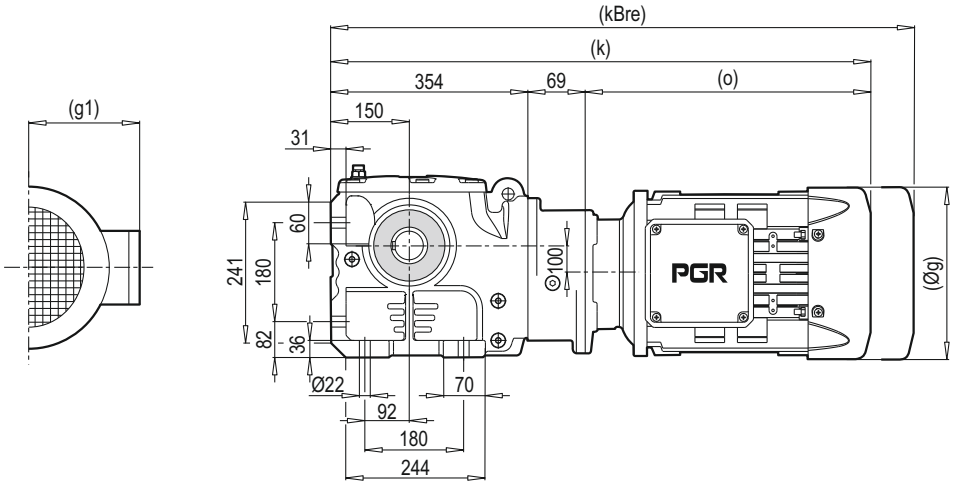


Tip/Type	Konik sıktırma / Shrink disc (41) Mamax (Nm)	$_{s}$h6	$_{s}$f6	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz dxl	Zs	MA (Nm)
KS 60/76	3120	2.6	2.4	M10x50	10	59
KS 70/90	3120	4.4	4.1	M12x70*	10	100

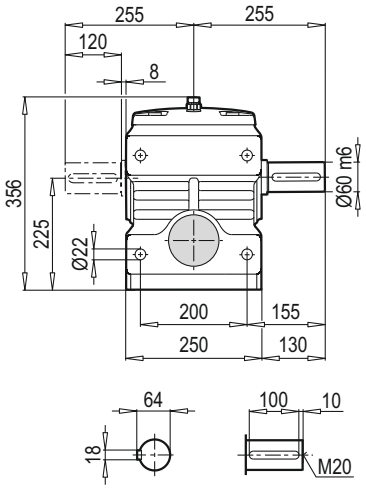
	90 S	90 L	100 L	112 M	132 S	132 M	160 M/L
g	193	193	217	232	279	279	323
g1	151	151	160	168	182	182	200
k1	619	639	667	712	719	754	859
k1Bre	692	712	748	792	827	895	1011
o	265	285	313	358	365	400	505

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

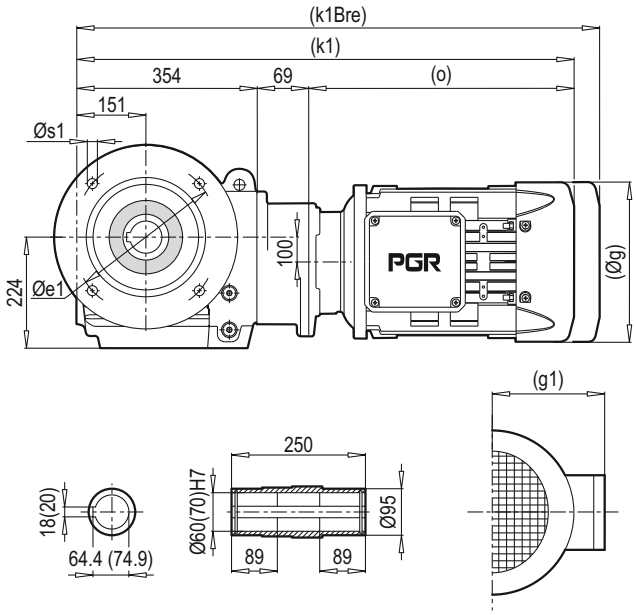
PSH 3125 TMA



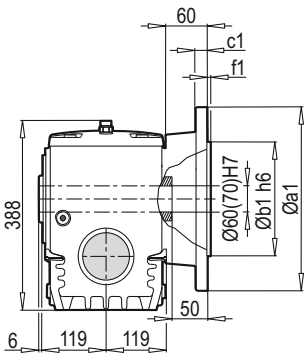
PSH 3125 ÇMA

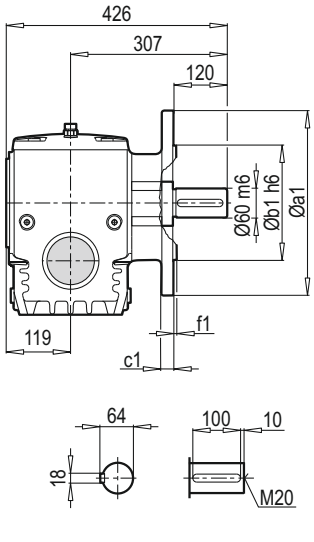


PSH 3125 DG/B5



PSH 3125 TMG/B5





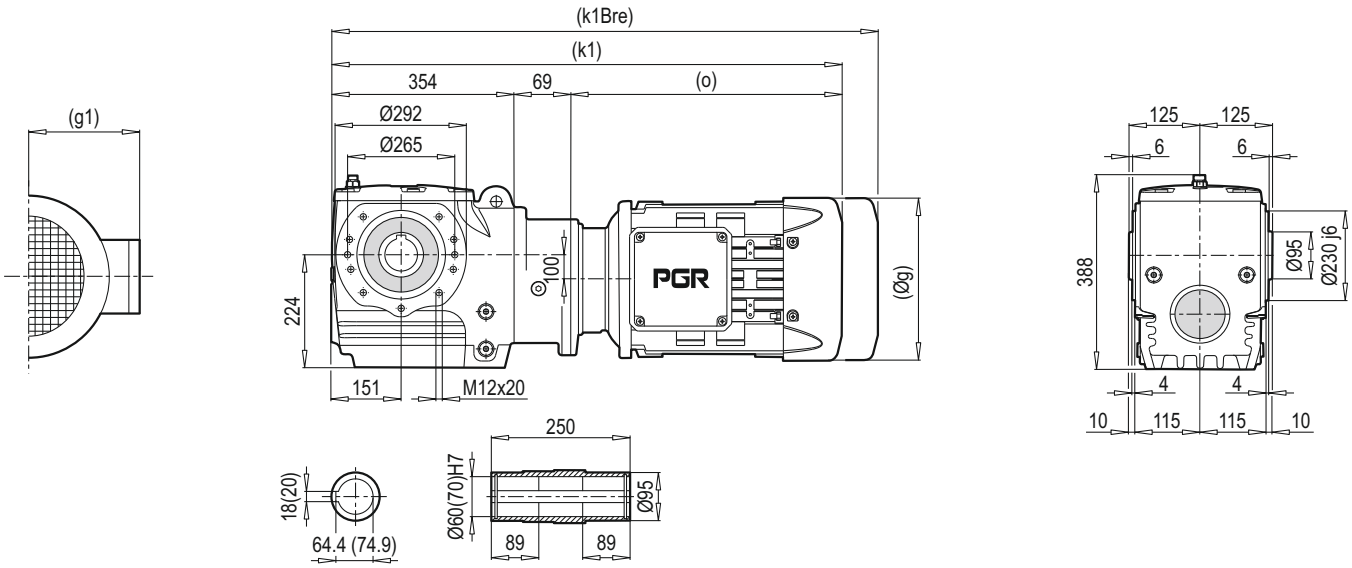
a1	b1	c1	e1	f1	s1
400	300	20	350	5	4 x 18
450	350	22	400	5	8 x 18

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

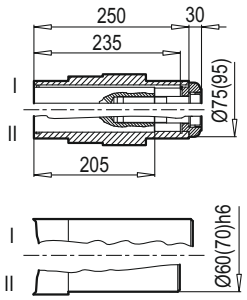
	71 M	80 M	90 S	90 L	100 L		
g	140	159	193	193	217		
g1	119	127	151	151	160		
k/k1	659 / 659	685 / 685	708 / 708	728 / 728	756 / 756		
kBre/k1Bre	719 / 719	747 / 747	781 / 781	801 / 801	837 / 837		
o	236	262	285	305	333		

Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

PSH 3125 DG/B14

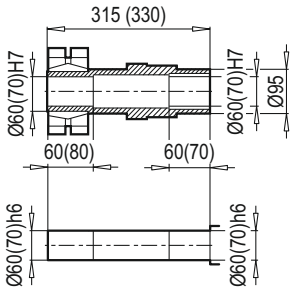


PSH 3125 DG/Ç

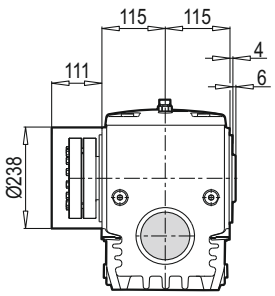


44 - 45

PSH 3125 DG/KS



PSH 3125 DG/KS/KK



Tip/Type	Konik sıktırma / Shrink disc 41 Mamax (Nm)	s_{h6}	s_{f6}	Altıköşe başlı civata / Hexagonal screw DIN 931 / DIN 933* 10.9Vz 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

	71 M	80 M	90 S	90 L	100 L		
g	140	159	193	193	217		
g1	119	127	151	151	160		
k1	659	685	708	728	756		
k1Bre	719	747	781	801	837		
o	236	262	285	305	333		

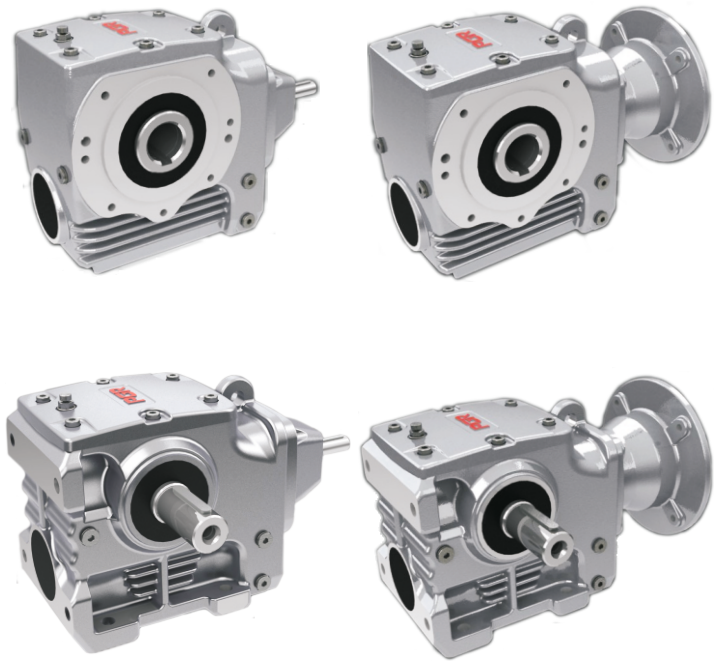
Not: (...) İşaretli olan ölçüler motor markasına göre farklılık gösterir. Note: Dimension which is designated by (...) depends on marks of motor.

W ve IEC Adaptörü Seçim Tabloları

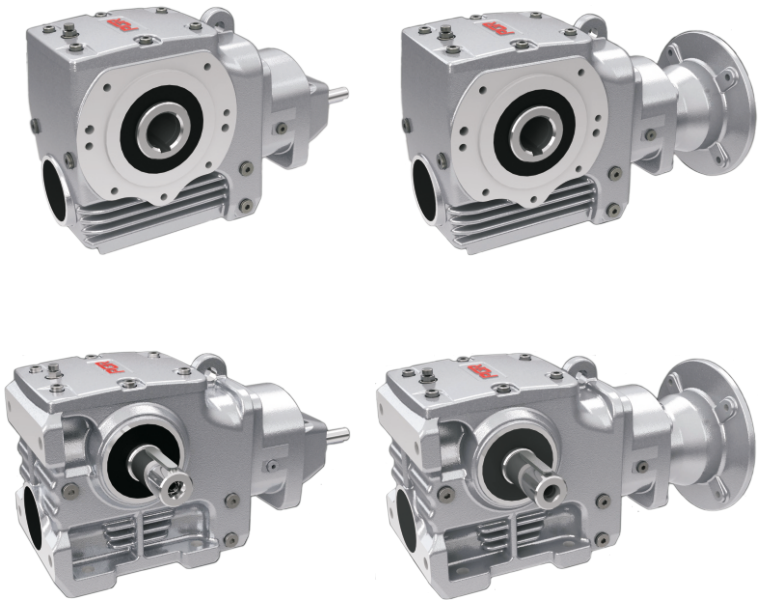
Selection of W and IEC Adapters

PSH

PSH
İKİ KADEME



PSH
ÜÇ KADEME



TR TEKNİK AÇIKLAMALAR

EN TECHNICAL EXPLANATIONS

W ve IEC adaptörü için performans tablolarının yapısı

Notify about performance tables for W and IEC adapter type

PSH 2063 → **Redüktör Tipi** / Gear unit type

Motor gövde büyüklüğü ile IEC gövde büyüklüğü aynı olan IEC montajlı redüktörler için Servis faktörü f_B motor seçim sayfalarından alınabilir.

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

IEC motor büyüklükleri ve IEC standart çıkışları DIN 50347' e göredir.
According to DIN EN 50347 IEC motor sizes.

Tip / Type	Tahvil / Reduction i_{ges}	Helisel / Helical i_1	Sonsuz / Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} [Nm]	P_{1max} [kW]	η [%]	IEC f_B ⇨ 53 - 67							
					f_B = 1	$f_B \geq 1$									
PSH 2063	626.57*	12.29	51/1	2.2	360	0.17	48	63*	71*						
	529.13*	10.38	51/1	2.7	360	0.20	49	63	71*						
	464.67*	9.11	51/1	3.0	360	0.23	49	63	71*						
				. . .	. . .										
				165.1	166	*2.20*	89								
				189.2	156	*2.20*	90								

DIN 42677' ye göre IEC Adaptöre Bağlanacak Motor Boyutu
According to DIN 42677 IEC motor power depend on pole number of motor.

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.

Yıldız işareti : Dikkat
Tip W sütunundaki P_{1max} değerlerini aşmamalıdır.
Star sign is shown precautions which is value of P_{1max} must be greater than drive power.

Tip W azami tahrik gücü hesaplanırken *italik* olmayan değerler alınmıştır. P_{1max} ile f_B = 1
P_{1max} value which is *non-italic* is calculated when service factor f_B is equal to one.

63
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

Max.çıkış momenti
Max.output torque while service factor f_B = 1

Çıkış Devri
Output speed

Redüktör Tahvili
Reduction ratio

Redüktör Tipi
Gear unit type

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 2040 W mm 116...117 + IEC mm 126...127	304.20	7.80	39/1	4.6	100	0.10	49	3.1	104	0.07	48	63*	71*	80*			
	237.90	6.10	39/1	5.9	100	0.12	50	3.9	106	0.09	49	63*	71*	80*			
	128.70	7.80	33/2	10.9	100	0.17	68	7.2	104	0.12	67	63*	71*	80*			
	115.23	2.95	39/1	12.1	94	0.22	53	8.1	101	0.17	51	63	71*	80*	90*		
	100.65	6.10	33/2	13.9	100	0.21	68	9.2	106	0.15	67	63	71*	80*			
	99.45	2.55	39/1	14.1	92	0.25	54	9.4	99	0.19	52	63	71*	80*	90*		
	86.86	2.23	39/1	16.1	87	0.27	54	10.7	95	0.20	52	63	71*	80*	90*		
	76.38	1.96	39/1	18.3	85	0.30	55	12.2	93	0.22	53	63	71*	80*	90*		
	67.50	1.73	39/1	20.7	82	0.32	56	13.8	91	0.24	54	63	71*	80*	90*		
	59.80	7.80	23/3	23.4	100	0.31	78	15.6	104	0.22	78	63	71*	80*			
	52.00	1.33	39/1	26.9	81	0.39	58	17.9	91	0.31	55	63	71	80*	90*		
	46.77	6.10	23/3	29.9	100	0.40	79	19.9	106	0.28	78	63	71	80*			
	44.78	1.15	39/1	31.3	81	0.45	59	20.8	92	0.36	56	63	71	80*	90*		
	42.08	2.55	33/2	33.3	85	0.42	71	22.1	92	0.30	70	63	71	80*	90*		
	36.75	2.23	33/2	38.1	81	0.45	72	25.3	88	0.33	70	63	71	80*	90*		
	32.31	1.96	33/2	43.3	78	0.49	72	28.8	85	0.36	71	63	71	80*	90*		
	28.56	1.73	33/2	49.0	75	0.53	73	32.6	83	0.40	71	63	71	80*	90*		
	22.00	1.33	33/2	63.6	73	0.66	74	42.3	82	0.50	72	63	71	80*	90*		
	19.55	2.55	23/3	71.6	80	0.74	81	47.6	86	0.54	80	63	71	80*	90*		
	17.08	2.23	23/3	82.0	78	0.83	81	54.4	85	0.61	80	63	71	80	90*		
	15.01	1.96	23/3	93.3	75	0.89	82	62.0	82	0.66	81	63	71	80	90*		
	13.27	1.73	23/3	105.5	73	0.98	82	70.1	81	0.73	81	63	71	80	90*		
	10.22	1.33	23/3	137.0	68	1.10	83	91.0	77	0.73	82	63	71	80	90*		
	8.80	1.15	23/3	159.1	65	1.10	83	105.7	74	0.73	82	63	71	80	90*		
	7.51	1.96	23/6	186.4	57	1.10	87	123.8	62	0.73	86	63	71	80	90*		
	6.63	1.73	23/6	211.2	54	1.10	87	140.3	60	0.73	86	63	71	80	90*		
	5.11	1.33	23/6	274.0	48	1.10	88	182.0	54	0.73	87	63	71	80	90*		
	4.40	1.15	23/6	318.2	46	1.10	88	211.4	52	0.73	87	63	71	80	90*		

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip / Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67			
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	**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*
mm	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*	
116...117	**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*
IEC	**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*
mm	**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*
126...127	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*	
	44.78	1.15	39/1	15.6	99	0.30	54	10.4	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*
	8.80	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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 3050	3016.29	59.14	51/1	0.46	195	0.02	47	0.31	199	0.01	46	63*	71*				
	2248.25	44.08	51/1	0.62	195	0.03	47	0.41	201	0.02	46	63*	71*				
	1969.48	38.62	51/1	0.71	195	0.03	47	0.47	202	0.02	47	63*	71*				
W	1746.47	34.24	51/1	0.80	195	0.03	47	0.53	203	0.02	47	63*	71*				
mm	1330.71	59.14	45/2	1.1	195	0.03	65	0.70	199	0.02	65	63*	71*				
119...125	991.88	44.08	45/2	1.4	195	0.04	66	0.94	201	0.03	65	63*	71*				
+	868.89	38.62	45/2	1.6	195	0.05	66	1.1	202	0.04	65	63*	71*				
IEC	755.93	14.82	51/1	1.9	195	0.08	48	1.2	203	0.05	47	63*	71*				
mm	663.52	13.01	51/1	2.1	195	0.09	48	1.4	203	0.06	47	63*	71*				
129...135	586.50	11.50	51/1	2.4	195	0.10	48	1.6	203	0.07	48	63*	71*				
	473.94	9.29	51/1	3.0	195	0.13	49	2.0	202	0.09	48	63*	71*				
	412.72	8.09	51/1	3.4	195	0.14	49	2.3	203	0.10	48	63*	71*				
	333.50	14.82	45/2	4.2	195	0.13	67	2.8	203	0.09	66	63*	71*				
	292.73	13.01	45/2	4.8	195	0.15	67	3.2	203	0.10	66	63*	71*				
	209.09	9.29	45/2	6.7	195	0.20	68	4.4	202	0.14	67	63	71*				
	182.08	8.09	45/2	7.7	195	0.23	68	5.1	203	0.16	67	63	71*				
	158.10	14.82	32/3	8.9	195	0.23	78	5.9	203	0.16	77	63	71*				
	138.77	13.01	32/3	10.1	195	0.26	78	6.7	203	0.18	77	63	71*				
	122.67	11.50	32/3	11.4	195	0.30	78	7.6	203	0.21	77	63	71*				
	99.12	9.29	32/3	14.1	190	0.36	78	9.4	197	0.25	78	63	71*				
	86.32	8.09	32/3	16.2	180	0.37	79	10.8	187	0.24	78	63	71				
	76.58	14.82	31/6	18.3	140	0.32	83	12.1	141	0.22	83	63	71*				
	67.22	13.01	31/6	20.8	130	0.34	84	13.8	136	0.24	83	63	71*				
	59.42	11.50	31/6	23.6	130	0.37	84	15.7	135	0.24	83	63	71				
	48.01	9.29	31/6	29.2	110	0.37	84	19.4	114	0.24	83	63	71				
	41.81	8.09	31/6	33.5	110	0.37	84	22.2	110	0.24	84	63	71				

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67			
PSH 3050 **W** mm 119...125 + **IEC** mm 129...135	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*		
	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*		
	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*		
	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*		
	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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 2050 W mm 118...124 + IEC mm 128...134	524.57	10.29	51/1	2.7	185	0.11	49	1.8	192	0.08	48	63*	71*				
	439.88	8.62	51/1	3.2	185	0.13	49	2.1	192	0.09	48	63*	71*				
	385.33	7.56	51/1	3.6	185	0.14	50	2.4	193	0.10	48	63*	71*				
	341.70	6.70	51/1	4.1	185	0.16	50	2.7	195	0.11	49		71*	80*			
	231.43	10.29	45/2	6.0	185	0.17	67	4.0	192	0.12	67	63*	71*				
	194.06	8.62	45/2	7.2	185	0.21	68	4.8	192	0.14	67	63	71*				
	170.00	7.56	45/2	8.2	185	0.23	68	5.5	193	0.17	67	63	71*				
	147.90	2.90	51/1	9.5	175	0.32	54	6.3	188	0.24	52	63	71*	80*	90*		
	129.82	2.55	51/1	10.8	168	0.35	55	7.2	181	0.26	52	63	71*	80*	90*		
	114.75	2.25	51/1	12.2	168	0.38	56	8.1	182	0.29	53	63	71	80*	90*		
	92.73	1.82	51/1	15.1	168	0.47	57	10.0	185	0.36	54	63	71	80*	90*		
	80.75	1.58	51/1	17.3	168	0.52	58	11.5	187	0.41	55	63	71	80*	90*		
	65.25	2.90	45/2	21.5	168	0.53	72	14.3	180	0.39	70	63	71	80*	90*		
	57.27	2.55	45/2	24.4	168	0.60	72	16.2	181	0.44	70	63	71	80*	90*		
	50.63	2.25	45/2	27.7	155	0.62	73	18.4	168	0.46	71	63	71	80*	90*		
	40.91	1.82	45/2	34.2	155	0.75	74	22.7	171	0.56	72	63	71	80	90*		
	35.63	1.58	45/2	39.3	155	0.85	75	26.1	172	0.65	72	63	71	80	90*		
	30.93	2.90	32/3	45.3	155	0.91	81	30.1	166	0.65	80	63	71	80	90*		
	27.15	2.55	32/3	51.6	155	1.02	82	34.3	167	0.75	80	63	71	80	90*		
	24.00	2.25	32/3	58.3	155	1.15	82	38.8	168	0.84	81	63	71	80	90*		
	19.39	1.82	32/3	72.2	145	1.32	83	48.0	160	0.98	82	63	71	80	90*		
	16.89	1.58	32/3	82.9	120	1.26	83	55.1	133	0.94	82	63	71	80	90*		
	14.77	1.38	32/3	94.8	113	1.34	84	63.0	127	1.02	82	63	71	80	90*		
	13.15	2.55	31/6	106.5	120	1.50	87	70.7	129	0.99	86	63	71	80	90		
	11.63	2.25	31/6	120.4	113	1.50	87	80.0	123	0.99	86	63	71	80	90		
	9.39	1.82	31/6	149.1	110	1.50	88	99.0	121	0.99	87	63	71	80	90		
	8.18	1.58	31/6	171.1	110	1.50	88	113.7	122	0.99	87	63	71	80	90		
	7.15	1.38	31/6	195.8	105	1.50	88	130.1	118	0.99	87	63	71	80	90		

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67			
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	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*	
mm	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*		
118...124	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*		
+	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*		
IEC	**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*
mm	**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*
128...134	**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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1}				W n_1= 930 min^{-1}				IEC f_B ⇨ 53 - 67					
				n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η	n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η						
				[min^{-1}]	[Nm]	[kW]	[%]	[min^{-1}]	[Nm]	[kW]	[%]						
PSH 3063 **W** mm 119...125 + **IEC** mm 129...135	3628.29★	71.14	51/1	0.39	380	0.03	45	0.26	387	0.02	45	63*	71*				
	2704.42★	53.03	51/1	0.52	380	0.04	46	0.34	390	0.03	45	63*	71*				
	2374.96★	46.57	51/1	0.59	380	0.05	46	0.39	391	0.04	45	63*	71*				
	2111.40★	41.40	51/1	0.66	380	0.06	46	0.44	393	0.04	45	63*	71*				
	1343.24★	62.48	43/2	1.0	380	0.06	64	0.69	388	0.04	64	63*	71*				
	1140.10★	53.03	43/2	1.2	380	0.07	64	0.82	390	0.05	64	63*	71*				
	938.40	18.40	51/1	1.5	380	0.13	47	1.0	392	0.09	46	63*	71*				
	738.56	14.48	51/1	1.9	380	0.16	48	1.3	396	0.11	47	63*	71*				
	604.27	11.85	51/1	2.3	380	0.19	48	1.5	396	0.13	47	63	71*				
	532.19	10.44	51/1	2.6	380	0.21	49	1.7	395	0.15	47	63	71*				
	471.21	9.24	51/1	3.0	380	0.24	49	2.0	394	0.17	48	63	71*				
	395.60	18.40	43/2	3.5	380	0.21	66	2.4	392	0.15	65	63	71*				
	349.65	16.26	43/2	4.0	380	0.24	66	2.7	394	0.17	65	63	71*				
	311.35	14.48	43/2	4.5	380	0.27	66	3.0	396	0.19	66	63	71*				
	254.74	11.85	43/2	5.5	370	0.32	67	3.7	385	0.23	66	63	71*				
	224.36	10.44	43/2	6.2	370	0.36	67	4.1	384	0.25	66	63	71*				
	198.65	9.24	43/2	7.0	360	0.37	68	4.7	373	0.24	66	63	71				
	178.60	14.48	37/3	7.8	340	0.37	76	5.2	354	0.24	75	63	71				
	146.13	11.85	37/3	9.6	330	0.37	77	6.4	333	0.24	76	63	71				
	128.70	10.44	37/3	10.9	300	0.37	77	7.2	296	0.24	76	63	71				
	113.95	9.24	37/3	12.3	260	0.37	77	8.2	260	0.24	76	63	71				
	97.18	7.88	37/3	14.4	230	0.37	78	9.6	227	0.24	77	63	71				
	79.65	14.48	33/6	17.6	200	0.37	84	11.7	198	0.24	83	63	71				
	65.17	11.85	33/6	21.5	170	0.37	84	14.3	168	0.24	83	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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67			
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	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*		
mm	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*		
119...125	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*		
	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*		
IEC	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*		
mm	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*		
129...135	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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 2063	626.57★	12.29	51/1	2.2	360	0.17	48	1.5	375	0.13	47	63*	71*				
	529.13★	10.38	51/1	2.6	360	0.20	49	1.8	374	0.15	47	63	71*				
	464.67★	9.11	51/1	3.0	360	0.23	49	2.0	373	0.16	48	63	71*				
W	413.10★	8.10	51/1	3.4	360	0.26	50	2.3	375	0.19	48		71*	80*			
mm	264.14★	12.29	43/2	5.3	350	0.29	67	3.5	349	0.19	66	63	71*				
118...124	223.06★	10.38	43/2	6.3	360	0.35	67	4.2	374	0.25	66	63	71*				
	195.89★	9.11	43/2	7.1	360	0.39	68	4.7	373	0.27	67	63	71				
+ IEC	**183.60**	3.60	51/1	7.6	325	0.48	54	5.1	343	0.35	52	63	71	80*	90*		
mm	**162.27**	3.18	51/1	8.6	310	0.51	55	5.7	330	0.38	52	63	71	80*	90*		
128...134	**144.50**	2.83	51/1	9.7	300	0.54	56	6.4	322	0.41	53	63	71	80*	90*	100*	
	118.23	2.32	51/1	11.8	295	0.63	58	7.9	320	0.49	54	63	71	80*	90*	100*	
	104.13	2.04	51/1	13.4	295	0.70	59	8.9	322	0.55	55	63	71	80*	90*	100*	
	92.19	1.81	51/1	15.2	295	0.78	60	10.1	325	0.61	56	63	71	80	90*	100*	
	77.40	3.60	43/2	18.1	305	0.80	72	12.0	322	0.58	70	63	71	80	90*		
	68.41	3.18	43/2	20.5	295	0.87	73	13.6	314	0.64	70	63	71	80	90*		
	60.92	2.83	43/2	23.0	280	0.92	73	15.3	301	0.68	71	63	71	80	90*	100*	
	49.84	2.32	43/2	28.1	262	1.03	75	18.7	284	0.77	72	63	71	80	90*	100*	
	43.90	2.04	43/2	31.9	250	1.11	75	21.2	273	0.83	73	63	71	80	90*	100*	
	38.87	1.81	43/2	36.0	245	1.22	76	23.9	270	0.91	74	63	71	80	90*	100*	
	34.94	2.83	37/3	40.1	262	1.36	81	26.6	281	0.98	80	63	71	80	90*	100*	
	28.59	2.32	37/3	49.0	245	1.53	82	32.5	266	1.12	81	63	71	80	90	100*	
	25.18	2.04	37/3	55.6	245	1.72	83	36.9	268	1.28	81	63	71	80	90	100*	
	22.29	1.81	37/3	62.8	245	1.94	83	41.7	270	1.44	82	63	71	80	90	100*	
	19.01	1.54	37/3	73.6	215	1.97	84	48.9	240	1.50	82	63	71	80	90	100*	
	15.58	2.83	33/6	89.9	190	2.06	87	59.7	204	1.48	86	63	71	80	90	100*	
	12.75	2.32	33/6	109.8	180	*2.20*	88	72.9	195	*1.45*	87	63	71	80	90	100*	
	11.23	2.04	33/6	124.7	175	*2.20*	88	82.8	191	*1.45*	87	63	71	80	90	100*	
	9.94	1.81	33/6	140.8	170	*2.20*	89	93.6	187	*1.45*	88	63	71	80	90	100*	
	8.48	1.54	33/6	165.1	166	*2.20*	89	109.7	185	*1.45*	88	63	71	80	90	100*	
	7.40	1.35	33/6	189.2	156	*2.20*	90	125.7	176	*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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip / Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67				
PSH 2063 W mm 118...124 + IEC mm 128...134	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*			
	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*			
	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*	
	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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} f_B≥1 [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} f_B≥1 [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 3080	3356.08★	65.81	51/1	0.42	770	0.08	45	0.28	786	0.05	45	63*	71*				
	2658.80★	52.13	51/1	0.53	770	0.09	45	0.35	790	0.06	45	63*	71*				
	2059.27★	40.38	51/1	0.68	770	0.12	46	0.45	796	0.08	45	63*	71*				
W	1199.07	23.51	51/1	1.2	770	0.21	47	0.78	804	0.14	46	63	71*				
mm	955.78	18.74	51/1	1.5	770	0.26	47	1.0	795	0.18	46	63	71*				
119...125	805.70	15.80	51/1	1.7	770	0.29	48	1.2	800	0.21	47	63	71*				
+	705.97	13.84	51/1	2.0	770	0.33	49	1.3	804	0.23	47	63	71*				
IEC	631.62	12.38	51/1	2.2	770	0.36	49	1.5	802	0.27	47	63	71*				
mm	543.06	10.65	51/1	2.6	770	0.37	50	1.7	781	*0.24*	48	63	71				
129...135	481.23	9.44	51/1	2.9	770	0.37	50	1.9	739	*0.24*	48	63	71				
	402.93	18.74	43/2	3.5	770	0.37	67	2.3	795	*0.24*	66	63	71				
	339.66	15.80	43/2	4.1	700	0.37	68	2.7	679	*0.24*	66	63	71				
	297.62	13.84	43/2	4.7	610	0.37	68	3.1	601	*0.24*	67	63	71				
	266.27	12.38	43/2	5.3	570	0.37	68	3.5	562	*0.24*	67	63	71				
	228.94	10.65	43/2	6.1	570	0.37	69	4.1	554	*0.24*	67	63	71				
	193.65	18.74	31/3	7.2	450	0.37	78	4.8	448	*0.24*	77	63	71				
	163.25	15.80	31/3	8.6	380	0.37	78	5.7	377	*0.24*	77	63	71				
	143.04	13.84	31/3	9.8	340	0.37	78	6.5	335	*0.24*	77	63	71				
	127.97	12.38	31/3	10.9	300	0.37	79	7.3	299	*0.24*	78	63	71				
	110.03	10.65	31/3	12.7	260	0.37	79	8.5	257	*0.24*	78	63	71				
	97.50	9.44	31/3	14.4	230	0.37	79	9.5	229	*0.24*	78	63	71				
PSH 2080	656.63★	12.88	51/1	2.1	710	0.32	49	1.4	740	0.23	47	63	71*				
	520.20★	10.20	51/1	2.7	710	0.40	50	1.8	737	0.29	48		71	80*			
	402.90★	7.90	51/1	3.5	710	0.51	51	2.3	740	0.36	49		71	80*			
W	276.81★	12.88	43/2	5.1	710	0.56	68	3.4	740	0.39	67	63	71				
mm	**234.60**	4.60	51/1	6.0	710	0.81	55	4.0	752	0.61	52	63	71	80	90*		
118...124	**187.00**	3.67	51/1	7.5	670	0.92	57	5.0	706	0.68	54	63	71	80	90*	100*	112*
+	**157.64**	3.09	51/1	8.9	670	1.08	58	5.9	714	0.80	55	63	71	80	90*	100*	112*
IEC	**138.13**	2.71	51/1	10.1	645	1.14	60	6.7	694	0.87	56	63	71	80	90*	100*	112*
mm	**123.58**	2.42	51/1	11.3	620	1.20	61	7.5	671	0.92	57	63	71	80	90*	100*	112*
128...134	**106.25**	2.08	51/1	13.2	590	1.32	62	8.8	643	1.02	58	63	71	80	90*	100*	112*
	94.15	1.85	51/1	14.9	560	1.39	63	9.9	615	1.08	59	63	71	80	90*	100*	112*
	78.83	3.67	43/2	17.8	655	1.63	75	11.8	690	1.18	72	63	71	80	90	100*	112*
	66.45	3.09	43/2	21.1	630	1.83	76	14.0	672	1.35	73	63	71	80	90	100*	112*
	58.23	2.71	43/2	24.0	600	1.96	77	16.0	646	1.46	74	63	71	80	90	100*	112*
	52.10	2.42	43/2	26.9	575	2.10	77	17.9	622	1.55	75	63	71	80	90	100*	112*
	44.79	2.08	43/2	31.3	550	2.31	78	20.8	600	1.72	76	63	71	80	90	100*	112*
	37.89	3.67	31/3	36.9	550	2.56	83	24.5	580	1.81	82	63	71	80	90	100*	112*
	31.94	3.09	31/3	43.8	525	2.87	84	29.1	560	2.08	82	63	71	80	90	100*	112*
	27.99	2.71	31/3	50.0	510	3.14	85	33.2	549	2.30	83	63	71	80	90	100	112*
	25.04	2.42	31/3	55.9	490	3.37	85	37.1	530	2.48	83	63	71	80	90	100	112*
	21.53	2.08	31/3	65.0	470	3.72	86	43.2	513	2.76	84	63	71	80	90	100	112*
	19.08	1.85	31/3	73.4	455	*4.00*	86	48.7	500	*2.64*	85	63	71	80	90	100	112
	15.97	3.09	31/6	87.7	395	*4.00*	89	58.2	421	*2.64*	88	63	71	80	90	100	112
	13.99	2.71	31/6	100.1	365	*4.00*	89	66.5	393	*2.64*	88	63	71	80	90	100	112
	12.52	2.42	31/6	111.8	345	*4.00*	90	74.3	373	*2.64*	88	63	71	80	90	100	112
	10.76	2.08	31/6	130.1	340	*4.00*	90	86.4	371	*2.64*	89	63	71	80	90	100	112
	9.54	1.85	31/6	146.8	340	*4.00*	90	97.5	374	*2.64*	89	63	71	80	90	100	112
	7.55	1.46	31/6	185.4	295	*4.00*	91	123.2	330	*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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip / Type	Tahvil / Reduction i_{ges}	Helisel / Helical i_1	Sonsuz / Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B\geq1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B\geq1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B\geq1$ [kW]	η [%]	IEC f_B ⇨ 📖 53 - 67					
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	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*				
mm	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*				
📖 119...125	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*				
IEC	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*				
mm	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				
📖 129...135	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				
	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	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				
mm	**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*		
📖 118...124	**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*
IEC	**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*
mm	**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*
📖 128...134	**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

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 930 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 3100 W mm 119...125 + IEC mm 129...135	5876.67	117.53	50/1	0.24	1590	0.09	45	0.16	1682	0.06	45	63*	71*				
	4646.67	92.93	50/1	0.30	1590	0.11	46	0.20	1612	0.08	45	63*	71*				
	3735.56	74.71	50/1	0.37	1590	0.13	46	0.25	1618	0.09	45	63*	71*				
	2201.85	44.04	50/1	0.64	1590	0.23	47	0.42	1640	0.16	46	63	71*				
	1670.37	33.41	50/1	0.84	1590	0.30	47	0.56	1657	0.21	46	63	71*				
	1506.84	30.14	50/1	0.93	1590	0.32	48	0.62	1666	0.23	47	63	71*				
	1173.93	23.48	50/1	1.2	1590	0.42	48	0.79	1661	0.29	47	63	71				
	660.00	13.20	50/1	2.1	1590	0.69	51	1.4	1659	0.50	49	63	71	80*	90*		
	519.44	10.39	50/1	2.7	1590	0.86	52	1.8	1651	0.62	50	63	71	80	90*		
	468.59	9.37	50/1	3.0	1590	0.94	53	2.0	1647	0.69	50	63	71	80	90*		
	365.06	7.30	50/1	3.8	1510	1.09	55	2.5	1580	0.80	52	63	71	80	90*		
	298.69	5.97	50/1	4.7	1510	1.33	56	3.1	1599	0.98	53	63	71	80	90*		
	257.40	13.20	39/2	5.4	1510	1.22	70	3.6	1575	0.86	69	63	71	80	90*		
	182.75	9.37	39/2	7.7	1420	*1.50*	72	5.1	1471	*0.99*	70	63	71	80			
	142.38	7.30	39/2	9.8	1310	*1.50*	74	6.5	1371	*0.99*	71	63	71	80	90		
	121.20	10.39	35/3	11.6	1190	*1.50*	80	7.7	1236	*0.99*	78	63	71	80	90		
	109.34	9.37	35/3	12.8	1190	*1.50*	80	8.5	1232	*0.99*	79	63	71	80	90		
	85.18	7.30	35/3	16.4	1080	*1.50*	81	10.9	1130	*0.99*	80	63	71	80	90		
	69.69	5.97	35/3	20.1	1080	*1.50*	82	13.3	1143	*0.99*	80	63	71	80	90		
	53.68	10.39	31/6	26.1	690	*1.50*	86	17.3	696	*0.99*	85	63	71	80	90		
PSH 2100 W mm 118...124 + IEC mm 128...134	645.00	12.90	50/1	2.2	1420	0.64	51	1.4	1481	0.44	49	71	80*	90*			
	510.00	10.20	50/1	2.7	1420	0.77	52	1.8	1474	0.56	50		80	90*			
	410.00	8.20	50/1	3.4	1355	0.89	54	2.3	1410	0.67	51			90*	100*	112*	
	303.85	6.08	50/1	4.6	1420	1.22	56	3.1	1502	0.92	53			90*			
	241.67	4.83	50/1	5.8	1420	1.49	58	3.8	1506	1.09	55	71	80	90*	100*	112*	
	183.33	3.67	50/1	7.6	1365	1.78	61	5.1	1439	1.35	57	71	80	90	100*	112*	
	165.38	3.31	50/1	8.5	1330	1.91	62	5.6	1411	1.43	58	71	80	90	100*	112*	
	128.85	2.58	50/1	10.9	1240	2.18	65	7.2	1337	1.68	60	71	80	90	100*	112*	132*
	103.85	2.08	50/1	13.5	1170	2.47	67	9.0	1276	1.91	63			90	100*	112*	132*
	94.25	4.83	39/2	14.9	1310	2.69	76	9.9	1389	1.95	74	71	80	90	100*	112*	
	71.50	3.67	39/2	19.6	1220	3.21	78	13.0	1286	2.33	75	71	80	90	100	112*	
	64.50	3.31	39/2	21.7	1190	3.42	79	14.4	1263	2.51	76	71	80	90	100	112*	
	50.25	2.58	39/2	27.9	1110	4.05	80	18.5	1197	2.97	78	71	80	90	100	112	132*
	42.78	3.67	35/3	32.7	1100	4.43	85	21.7	1159	3.17	83	71	80	90	100	112	
	38.59	3.31	35/3	36.3	1100	4.92	85	24.1	1167	3.55	83	71	80	90	100	112	
	34.29	1.76	39/2	40.8	1090	5.61	83	27.1	1202	4.26	80			90	100	112	132*
	30.06	2.58	35/3	46.6	1050	5.96	86	30.9	1132	4.36	84	71	80	90	100	112	132*
	24.23	2.08	35/3	57.8	1020	7.10	87	38.4	1112	5.26	85			90	100	112	132*
	20.52	1.76	35/3	68.2	840	6.82	88	45.3	926	5.11	86			90	100	112	132*
	18.94	3.67	31/6	73.9	720	6.19	90	49.1	721	4.21	88	71	80	90	100	112	132*
	17.09	3.31	31/6	81.9	710	6.77	90	54.4	725	4.64	89	71	80	90	100	112	132*
	16.25	1.39	35/3	86.2	750	*7.50*	89	57.2	844	*4.95*	87			90	100	112	132*
	13.31	2.58	31/6	105.2	710	*7.50*	91	69.9	712	*4.95*	89	71	80	90	100	112	132*
	10.73	2.08	31/6	130.5	725	*7.50*	91	86.7	717	*4.95*	90			90	100	112	132*
	9.09	1.76	31/6	154.0	725	*7.50*	92	102.3	717	*4.95*	91			90	100	112	132*
	7.20	1.39	31/6	194.4	680	*7.50*	92	129.2	680	*4.95*	91			90	100	112	132*

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip / Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67					
PSH 3100 W mm 119...125 + IEC mm 129...135	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*		
	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*		
	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 W mm 118...124 + IEC mm 128...134	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*	
	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*	
	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*
	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*	
	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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1}				W n_1= 930 min^{-1}				IEC f_B ⇨ 📖 53 - 67					
				n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η	n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η						
				[min^{-1}]	[Nm]	[kW]	[%]	[min^{-1}]	[Nm]	[kW]	[%]						
PSH 3125 **W** mm 📖 119...125 **+ IEC** mm 📖 129...135	7095.12	150.96	47/1	0.20	3000	0.13	47	0.13	3000	0.09	47	71*	80*	90*			
	5055.49	107.56	47/1	0.28	3090	0.19	48	0.18	3222	0.13	47	71*	80*	90*			
	3442.96	73.25	47/1	0.41	3090	0.28	48	0.27	3146	0.19	48	71*	80*	90*			
	2527.75	53.78	47/1	0.55	3090	0.36	49	0.37	3168	0.26	48	71*	80*	90*			
	2057.43	43.78	47/1	0.68	3090	0.45	49	0.45	3187	0.31	48	71	80*	90*			
	1862.28	39.62	47/1	0.75	3090	0.50	49	0.50	3198	0.35	48	71	80*	90*			
	1637.95	34.85	47/1	0.85	3090	0.55	50	0.57	3215	0.39	49	71	80*	90*			
	1475.08	31.38	47/1	0.95	3090	0.61	50	0.63	3230	0.43	49	71	80*	90*			
	1198.50	25.50	47/1	1.2	3090	0.76	51	0.78	3239	0.54	49	71	80	90*			
	928.25	19.75	47/1	1.5	3090	0.93	52	1.0	3200	0.67	50		80	90*			
	793.81	16.89	47/1	1.8	3090	1.10	53	1.2	3201	0.79	51		80	90*			
	690.49	30.69	45/2	2.0	2830	0.87	68	1.3	2962	0.60	67		80	90*			
	607.31	26.99	45/2	2.3	2670	0.95	68	1.5	2805	0.66	67		80	90*			
	546.92	24.31	45/2	2.6	3090	1.22	69	1.7	3233	0.86	67		80	90*			
	444.38	19.75	45/2	3.2	2990	1.45	69	2.1	3022	0.98	68		80	90*			
	380.02	16.89	45/2	3.7	2610	1.44	70	2.4	2625	0.96	69		80	90*			
	323.00	14.39	45/2	4.3	2400	1.52	71	2.9	2332	1.03	69		80	90			
	270.16	12.01	45/2	5.2	2810	2.13	72	3.4	2926	1.49	70	71	80	90	100*	112*	
	236.72	10.52	45/2	5.9	2810	2.38	73	3.9	2918	1.70	70	71	80	90	100*	112*	
	187.50	8.33	45/2	7.5	2590	2.75	74	5.0	2694	1.96	72	71	80	90	100*	112*	
	152.34	6.77	45/2	9.2	2590	3.28	76	6.1	2721	2.38	73	71	80	90	100	112*	
	130.28	5.79	45/2	10.7	2480	3.61	77	7.1	2631	2.64	74	71	80	90	100	112*	
	110.99	4.93	45/2	12.6	2370	*4.00*	78	8.4	2514	2.64	75	71	80	90	100	112	
	86.11	8.33	31/3	16.3	1760	3.62	83	10.8	1830	2.55	81	71	80	90	100	112*	
	69.97	6.77	31/3	20.0	1560	3.89	84	13.3	1639	2.78	82	71	80	90	100	112*	
	62.60	6.06	31/3	22.4	1570	*4.00*	85	14.9	1661	2.64	83	71	80	90	100	112	

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67				
PSH 3125 W mm ⇔ 119...125 + IEC mm ⇔ 129...135	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*		
	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*		
	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*		
	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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

Tip Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 1400 min^{-1}				W n_1= 930 min^{-1}				IEC f_B ⇨ 📖 53 - 67					
				n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η	n_2	M_{amax} f_B=1	P_{1max} f_B≥1	η						
				[min^{-1}]	[Nm]	[kW]	[%]	[min^{-1}]	[Nm]	[kW]	[%]						
PSH 2125 W mm 📖 118...124 + IEC mm 📖 128...134	695.60	14.80	47/1	2.0	2850	1.11	54	1.3	2968	0.79	51	90*					
	495.64	10.55	47/1	2.8	2850	1.49	56	1.9	2960	1.11	53	90*	100*	112*			
	337.55	7.18	47/1	4.1	2850	2.07	59	2.8	2985	1.56	56		100*	112*	132*		
	247.82	5.27	47/1	5.6	2760	2.61	62	3.8	2932	2.01	58				132*		
	201.71	4.29	47/1	6.9	2630	2.92	65	4.6	2781	2.23	60	90	100*	112*			
	182.58	3.88	47/1	7.7	2560	3.13	66	5.1	2700	2.36	61	90	100	112*			
	160.58	3.42	47/1	8.7	2470	3.36	67	5.8	2615	2.52	63	90	100	112*			
	144.62	3.08	47/1	9.7	2390	3.57	68	6.4	2549	2.67	64	90	100	112*	132*	160*	
	117.50	2.50	47/1	11.9	2240	3.93	71	7.9	2419	3.03	66	90	100	112*	132*	160*	
	100.48	2.14	47/1	13.9	2130	4.31	72	9.3	2319	3.32	68	90	100	112	132*	160*	
	87.40	3.88	45/2	16.0	2360	4.94	80	10.6	2489	3.59	77	90	100	112	132*		
	76.88	3.42	45/2	18.2	2290	5.39	81	12.1	2424	3.94	78	90	100	112	132*		
	69.23	3.08	45/2	20.2	2220	5.80	81	13.4	2368	4.26	78	90	100	112	132*	160*	
	56.25	2.50	45/2	24.9	2060	6.47	83	16.5	2225	4.81	80	90	100	112	132*	160*	
	48.10	2.14	45/2	29.1	1960	7.11	84	19.3	2134	5.32	81	90	100	112	132*	160*	
	40.98	1.82	45/2	34.2	1840	7.75	85	22.7	2024	5.87	82	90	100	112	132*	160*	
	35.31	3.42	31/3	39.6	1600	7.54	88	26.3	1694	5.42	86	90	100	112	132*		
	31.79	3.08	31/3	44.0	1840	9.63	88	29.3	1962	7.00	86	90	100	112	132	160*	
	25.83	2.50	31/3	54.2	1710	10.90	89	36.0	1847	8.00	87	90	100	112	132	160*	
	22.09	2.14	31/3	63.4	1610	11.88	90	42.1	1753	8.78	88	90	100	112	132	160*	
	18.82	1.82	31/3	74.4	1510	13.07	90	49.4	1661	9.66	89	90	100	112	132	160*	
	15.90	3.08	31/6	88.1	1240	12.43	92	58.5	1300	8.85	90	90	100	112	132	160*	
	14.54	1.41	31/3	96.3	1340	14.85	91	64.0	1506	11.21	90				132	160*	
	12.92	2.50	31/6	108.4	1240	*15.00*	92	72.0	1314	*9.90*	91	90	100	112	132	160	
	11.05	2.14	31/6	126.7	1240	*15.00*	93	84.2	1297	*9.90*	92	90	100	112	132	160	
	9.41	1.82	31/6	148.8	1140	*15.00*	93	98.8	1254	*9.90*	92	90	100	112	132	160	
	8.44	1.63	31/6	165.9	1140	*15.00*	93	110.2	1234	*9.90*	92				132	160	
	7.75	1.50	31/6	180.6	1010	*15.00*	93	120.0	1129	*9.90*	93				132	160	
	7.27	1.41	31/6	192.6	940	*15.00*	93	127.9	1057	*9.90*	93				132	160	

	IEC bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

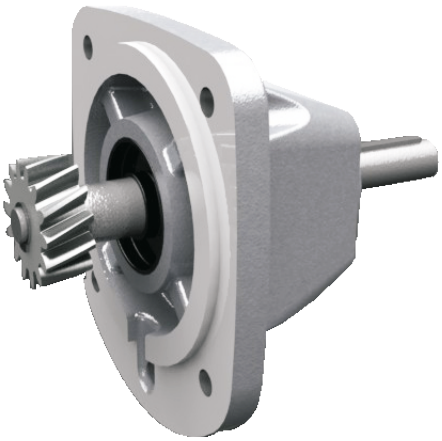
Tip / Type	Tahvil Reduction i_{ges}	Helisel Helical i_1	Sonsuz Worm Z_2/Z_1	W n_1= 700 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 465 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	W n_1= 250 min^{-1} n_2 [min^{-1}]	M_{amax} f_B=1 [Nm]	P_{1max} $f_B \geq 1$ [kW]	η [%]	IEC f_B ⇨ 53 - 67				
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	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*	
mm	**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*		
118...124	**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*		
IEC	**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*
mm	**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*
128...134	**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*
	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 bağlantısı yoktur - No IEC assembling on empty fields
63	**IEC bağlantısı yapılır -** IEC assembling available on numbered fields
80*	**IEC bağlantısı yapılacaksa P_{1max} değerleri aşılmamalıdır -** Do not exceed the P_{1max} values indicated on fields with asterisk

W - IEC Ölçü Tabloları

Dimension Tables of
W - IEC

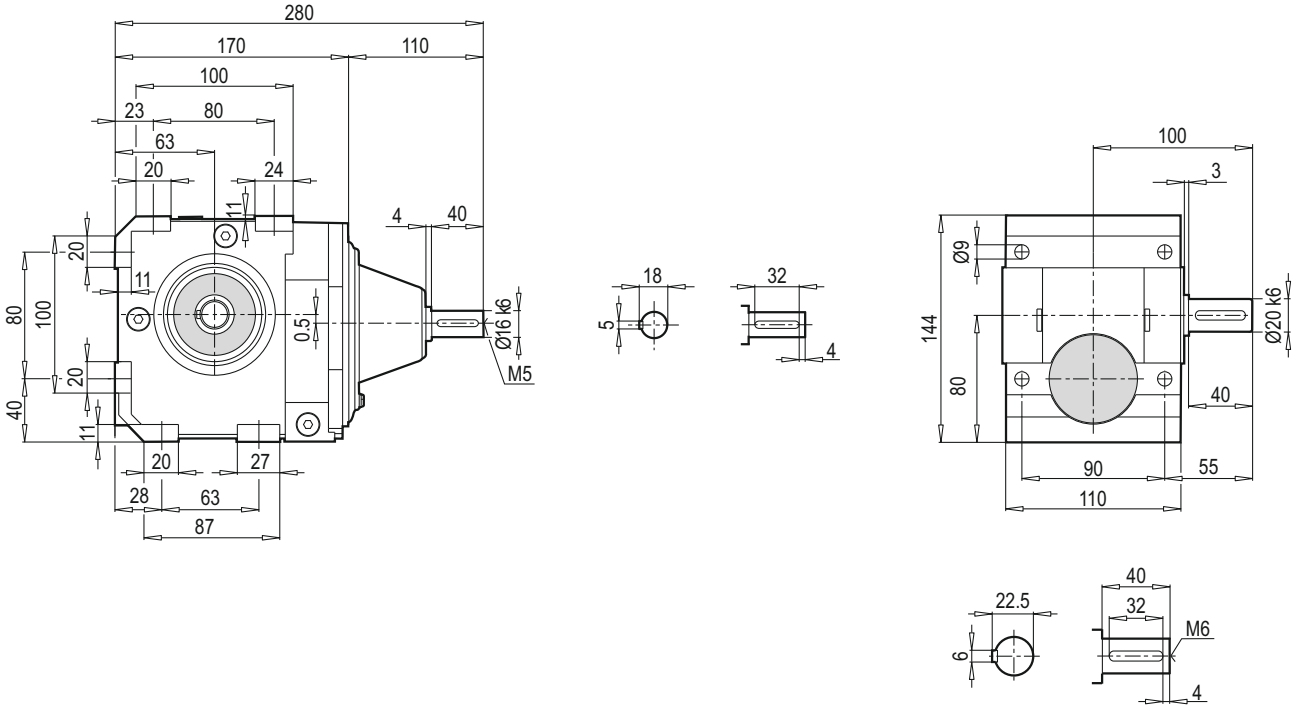
W



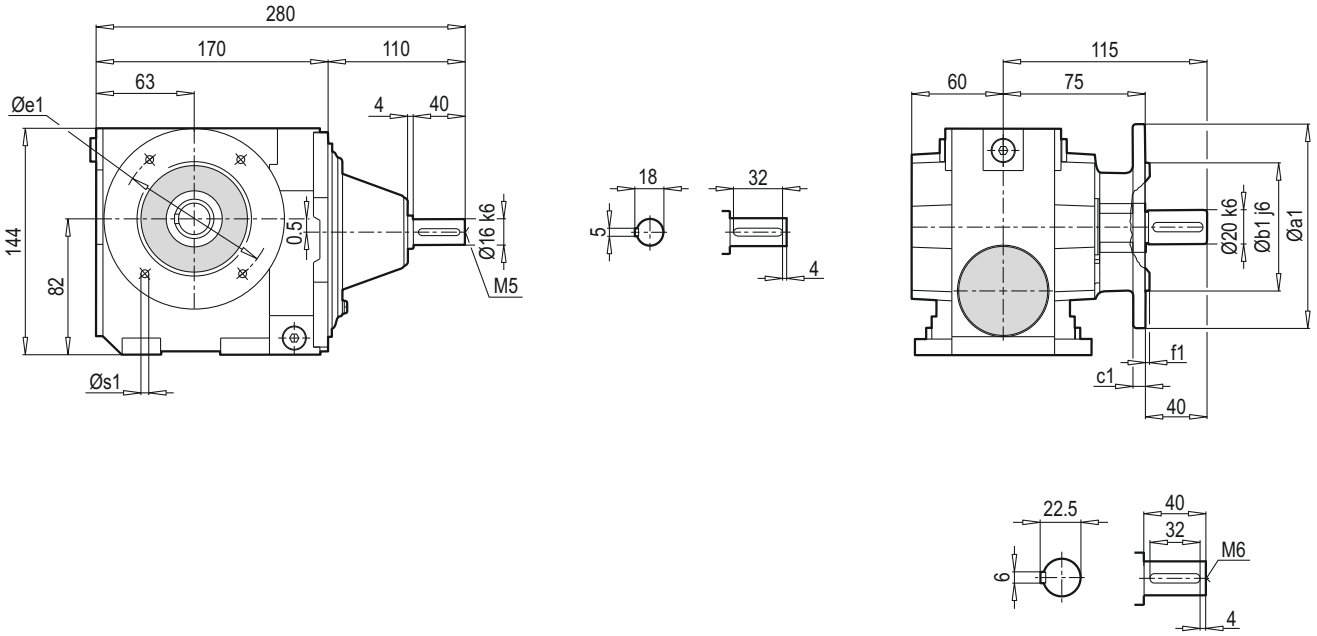
IEC

PSH

PSH 2040 TMA/W



PSH 2040 TMG/B5/W



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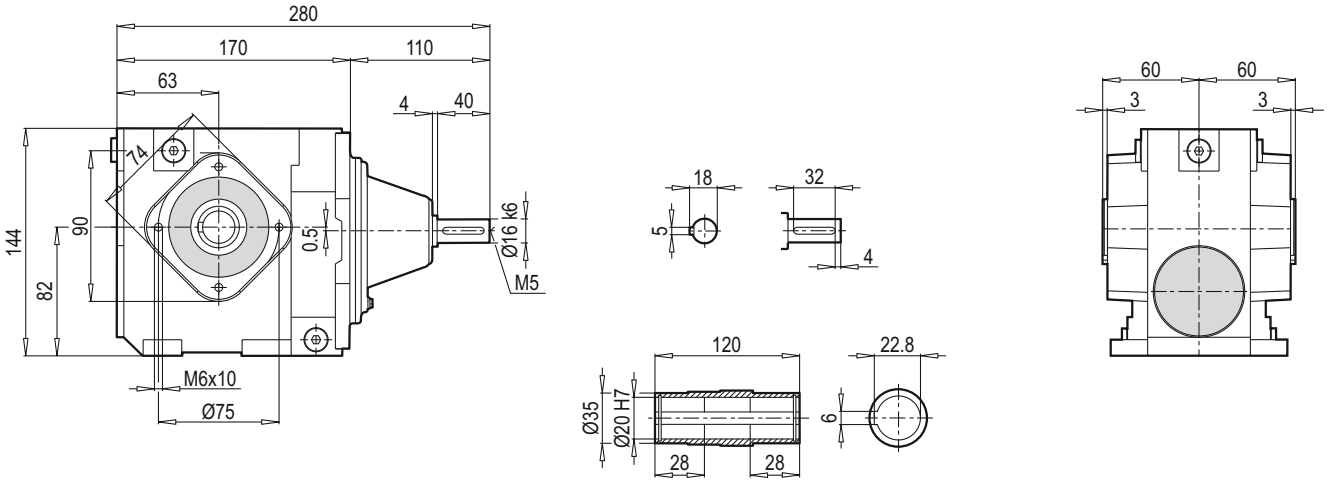
PSH 2040 DG/B14 ...W



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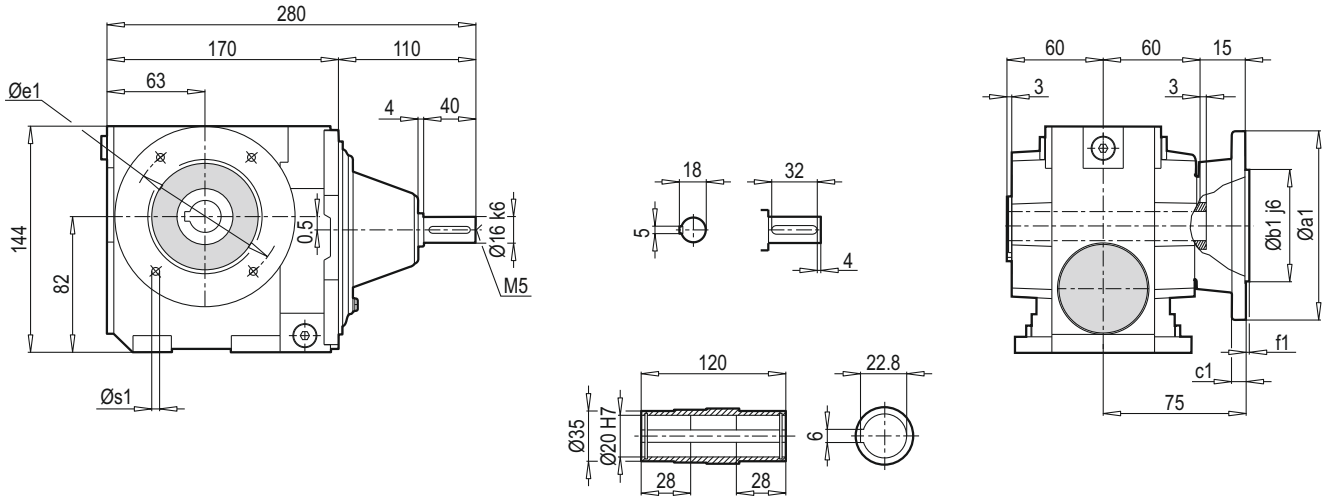
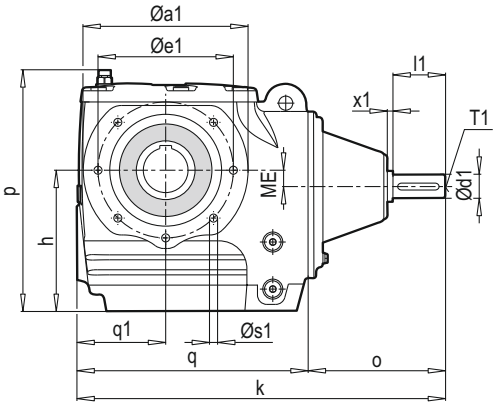
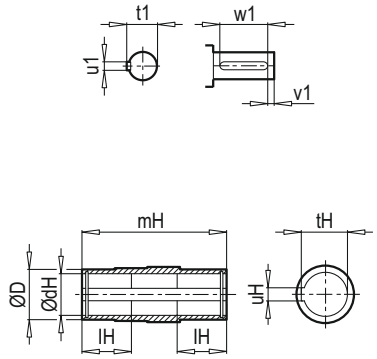
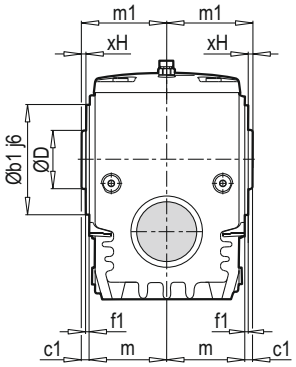


a1	b1	c1	e1	f1	s1
120	80	10	100	3,0	7
160	110	10	130	3,5	9

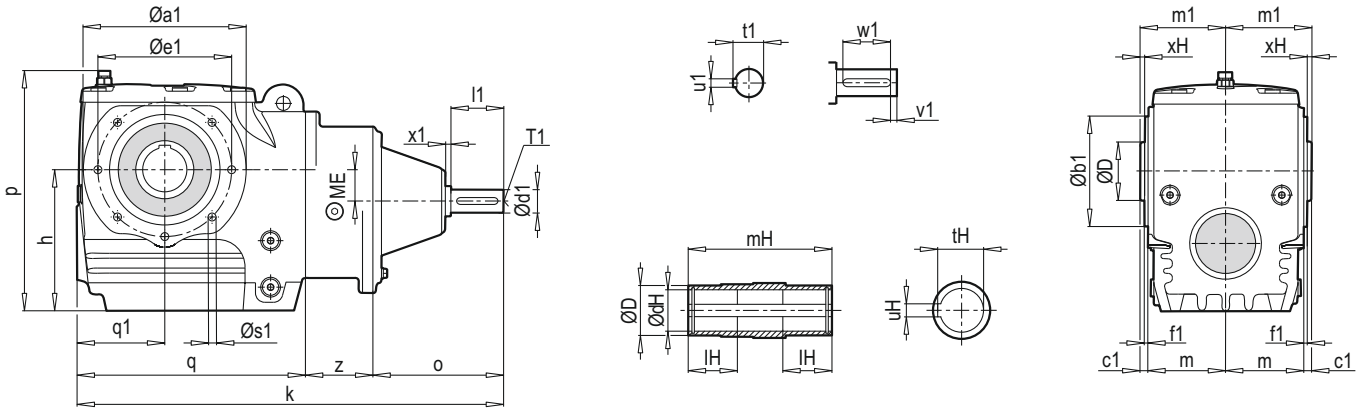






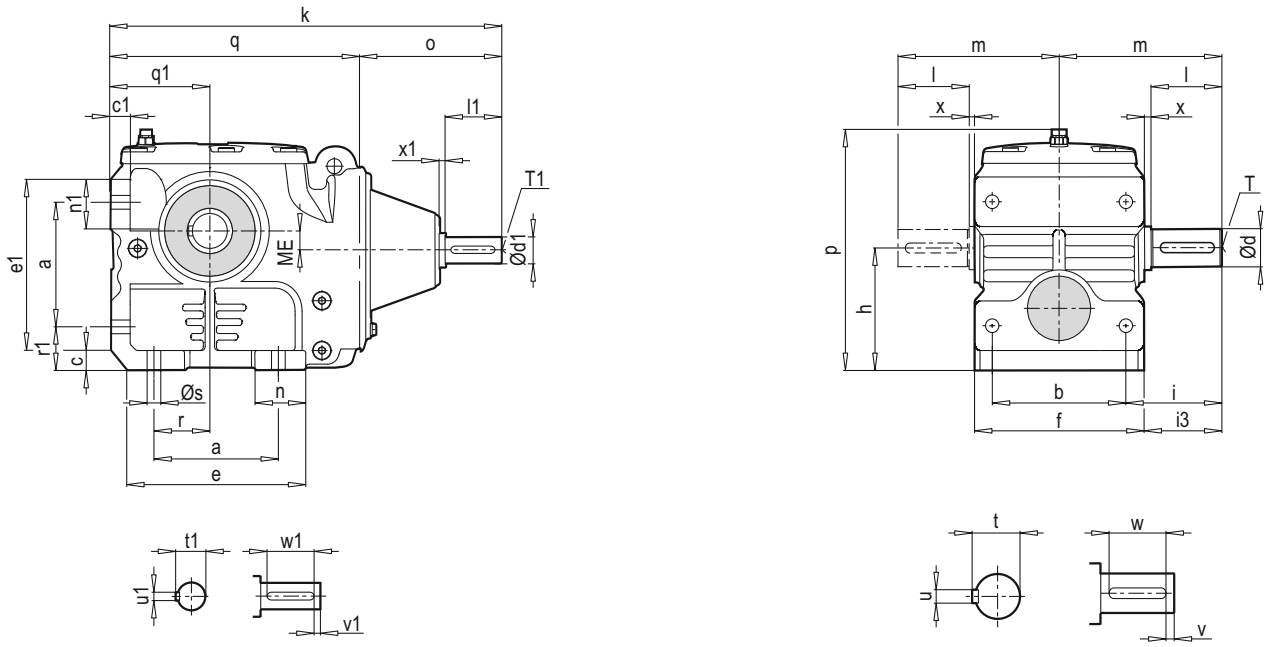
Tip Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	**b1**	**c1**	**e1**	**f1**	**s1**	**h**	**k**	**m**	**m1**	**o**	**p**	**q**	**q1**	**ME**	**dH***	**tH***	**uH***	**xH**	**d1**	**t1**	**v1**	**x1**
																D	**lH**	**mH**		**l1**	**u1**	**w1**	**T1**
PSH 2050 DG/B14 + W	132	95	6	115	3	M8 x 13	100	303	60	66	122	188	181	71	7.5	25 30* 45	28.3 33.3* 45	8 8* 132	3	16 40	18.0 5	4 32	7 M5
PSH 2063 DG/B14 + W	140	95	7	115	3	M8 x 13	121	319	67	74	122	206.5	197	76	13.0	30 35* 50	33.3 38.3* 50	8 10* 148	4	16 40	18.0 5	4 32	7 M5
PSH 2080 DG/B14 + W	192	130	9	165	4	M10 x 16	146	365	75	84	122	254	243	102	19.0	40 45* 65	43.3 48.8* 55	12 14* 168	5	16 40	18.0 5	4 32	7 M5
PSH 2100 DG/B14 + W	238	180	9	215	4	M12 x 20	182	459	92	101	172	316	287	123	24.0	50 60* 85	53.8 64.4* 70	14 18* 202	5	24 50	27.0 8	5 40	8 M8
PSH 2125 DG/B14 + W	292	230	10	265	4	M12 x 20	224	567	115	125	213	388	354	151	39.0	60 70* 95	64.4 74.9* 89	18 20* 250	6	38 80	41.0 10	5 70	8 M12

***Opsiyonel delik milli şaft** *Optional hollow shaft

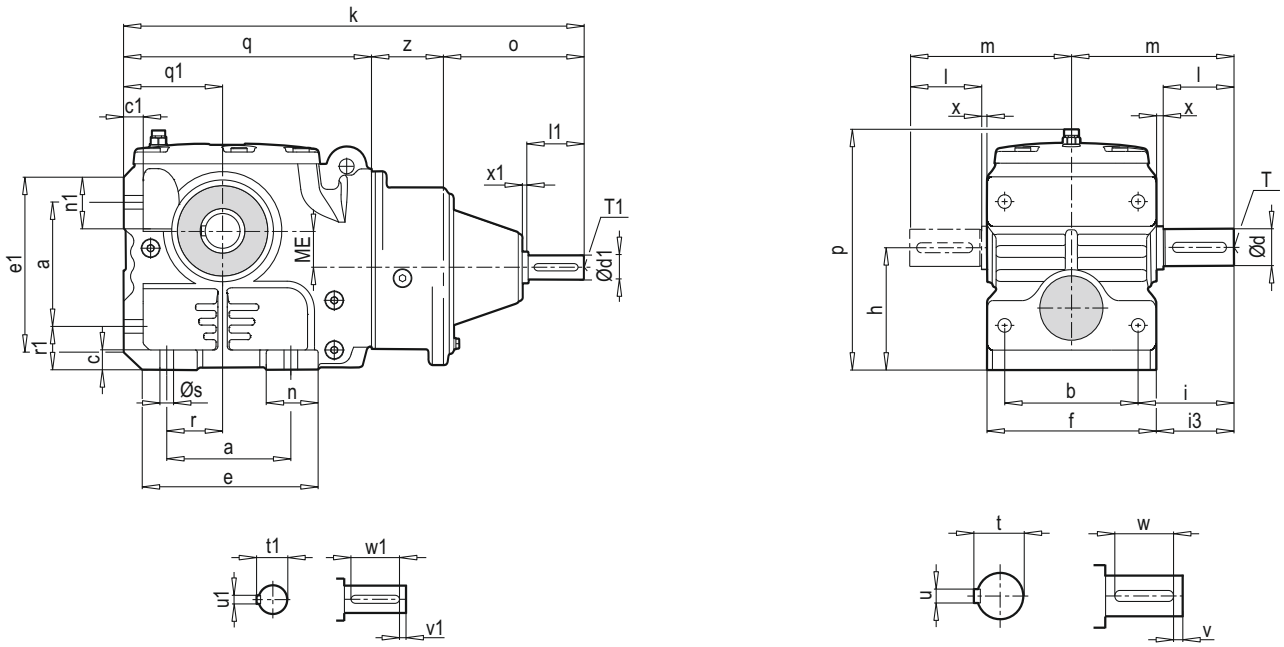


Tip Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	c1	e1	f1	s1	h	k	m	m1	o	p	q	z	q1	ME	dH* D	tH* lH	uH* mH	xH	d1 l1	t1 u1	v1 w1	x1 T1
PSH 3050 DG/B14 + W	132	95	6	115	3	M8 x 13	100	361	60	66	122	188	181	58	71	37.5	25 30* 45	28.3 33.3* 45	8 8* 132	3	16 40	18.0 5	4 32	7 M5
PSH 3063 DG/B14 + W	140	95	7	115	3	M8 x 13	121	377	67	74	122	206.5	197	58	76	43.0	30 35* 50	33.3 38.3* 50	8 10* 148	4	16 40	18.0 5	4 32	7 M5
PSH 3080 DG/B14 + W	192	130	9	165	4	M10 x 16	146	423	75	84	122	254	243	58	102	49.0	40 45* 65	43.3 48.8* 55	12 14* 168	5	16 40	18.0 5	4 32	7 M5
PSH 3100 DG/B14 + W	238	180	9	215	4	M12 x 20	182	469	92	101	122	316	287	60	123	74.0	50 60* 85	53.8 64.4* 70	14 18* 202	5	16 40	18.0 5	4 32	7 M5
PSH 3125 DG/B14 + W	292	230	10	265	4	M12 x 20	224	595	115	125	172	388	354	69	151	100	60 70* 95	64.4 74.9* 89	18 20* 250	6	24 50	27.0 8	5 40	8 M8

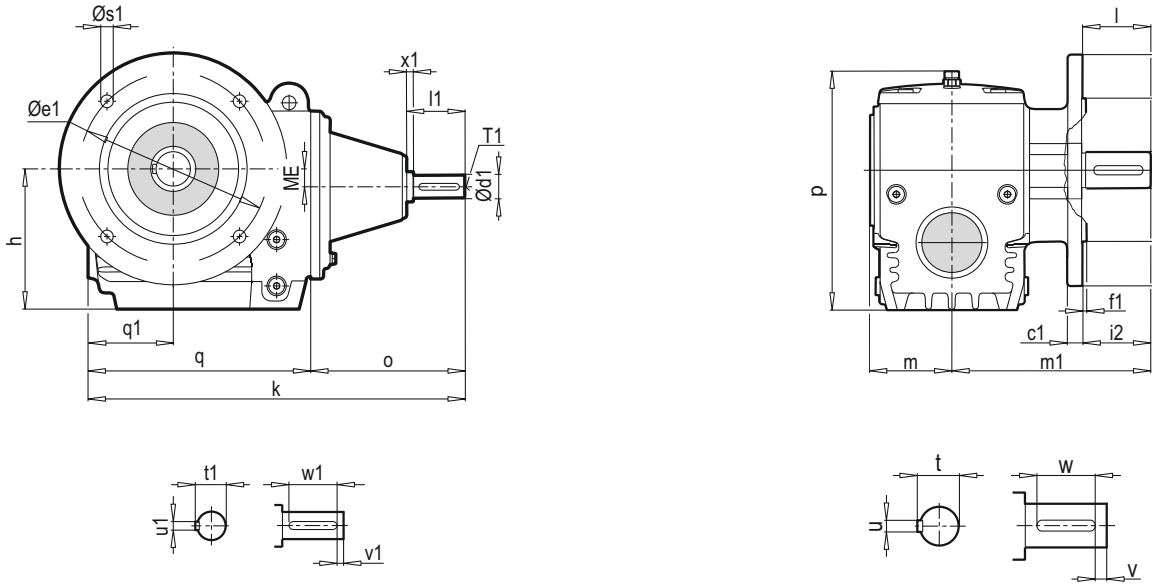
***Opsiyonel delik milli şaft** *Optional hollow shaft



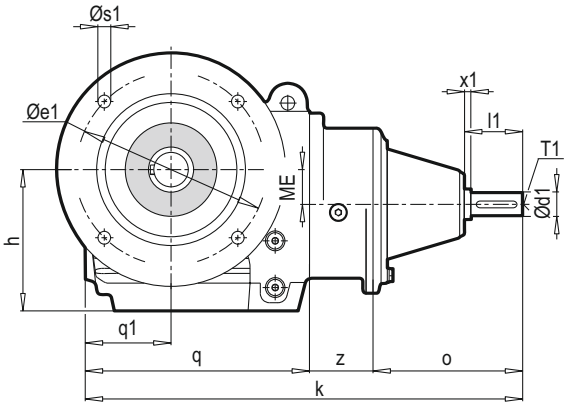
Tip Type	Montaj Ölçüleri (Ayak) Mounting Dimensions (Foot)								Ana Ölçüler Outline Dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a	b	c c1	e e1	f	n n1	r r1	s	h	i	i3	k	m	o	p	q	q1	ME	d l	t u	v w	x T	d1 l1	t1 u1	v1 w1	x1 T1
PSH 2050 TMA +W	80	100	15 15	121 117	122	40 30	35 35	11	100	65	54	308	115	122	179	186	75	7.5	25 50	28.0 8	5 40	4 M10	16 40	18.0 5	4 32	7 M5
PSH 2063 TMA +W	100	110	17 17	141 141	138	40 40	45 35	11	112	79	65	323	134	122	193.5	201	80	13.0	30 60	33.0 8	5 50	5 M10	16 40	18.0 5	4 32	7 M5
PSH 2080 TMA +W	130	130	21 21	179 171	160	40 40	60 40	14	140	95	80	364	160	122	229	242	100	19.0	35 70	38.0 10	5 60	6 M12	16 40	18.0 5	4 32	7 M5
PSH 2100 TMA +W	135	150	29 26	186 184	190	50 48	75 70	18	180	120	100	462	195	172	293	290	125	24.0	45 90	48.5 14	5 80	5 M16	24 50	27.0 8	5 40	8 M8
PSH 2125 TMA +W	180	200	36 31	244 241	250	70 60	92 82	22	225	155	130	567	255	213	356	354	150	39.0	60 120	64.0 18	10 100	8 M20	38 80	41.0 10	5 70	8 M12

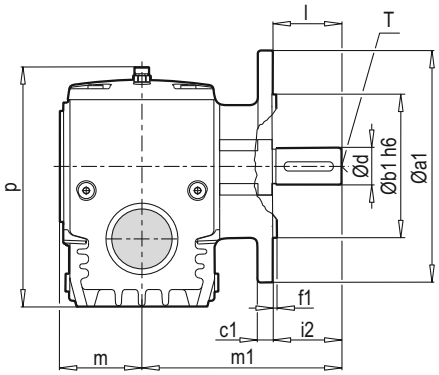


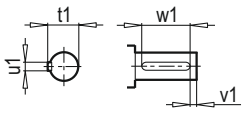
Tip Type	Montaj Ölçüleri (Ayak) Mounting Dimensions (Foot)								Ana Ölçüler Outline Dimensions									Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a	b	c c1	e e1	f	n n1	r r1	s	h	i i3	k	m	o	p	q q1	z	ME	d l	t u	v w	x T	d1 l1	t1 u1	v1 w1	x1 T1
PSH 3050 TMA +W	80	100	15 15	121 117	122	40 30	35 35	11	100	65 54	366	115	122	179	186 75	58	37.5	25 50	28.0 8	5 40	4 M10	16 40	18.0 5	4 32	7 M5
PSH 3063 TMA +W	100	110	17 17	141 141	138	40 40	45 35	11	112	79 65	381	134	122	193.5	201 80	58	43.0	30 60	33.0 8	5 50	5 M10	16 40	18.0 5	4 32	7 M5
PSH 3080 TMA +W	130	130	21 21	179 171	160	40 40	60 40	14	140	95 80	422	160	122	229	242 100	58	49.0	35 70	38.0 10	5 60	6 M12	16 40	18.0 5	4 32	7 M5
PSH 3100 TMA +W	135	150	29 26	186 184	190	50 48	75 70	18	180	120 100	472	195	122	293	290 125	60	74.0	45 90	48.5 14	5 80	5 M16	16 40	18.0 5	4 32	7 M5
PSH 3125 TMA +W	180	200	36 31	244 241	250	70 60	92 82	22	225	155 130	595	255	172	356	354 150	69	100	60 120	64.0 18	10 100	8 M20	24 50	27.0 8	5 40	8 M8

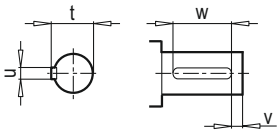


Tip Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	**b1**	**c1**	**e1**	**f1**	**s1**	**h**	**i2**	**k**	**m1**	**m**	**o**	**p**	**q**	**q1**	**ME**	**d** **l**	**t** **u**	**v** **w**	**T**	**d1** **l1**	**t1** **u1**	**v1** **w1**	**x1** **T1**
PSH 2050 **TMG/B5 + W**	160	110	10	130	3.5	9	100	50	303	135	63	122	188	181	71	7.5	25 50	28.0 8	5 40	M10	16 40	18.0 5	4 32	7 M5
PSH 2063 **TMG/B5 + W**	200	130	12	165	3.5	11	121	60	319	156	70	122	206.5	197	76	13.0	30 60	33.0 8	5 50	M10	16 40	18.0 5	4 32	7 M5
PSH 2080 **TMG/B5 + W**	200	130	12	165	3.5	11	146	70	365	184	79	122	254	243	102	19.0	35 70	38.0 10	7 56	M12	16 40	18.0 5	4 32	7 M5
PSH 2100 **TMG/B5 + W**	250	180	16	215	4	14	182	90	459	232	96	172	316	287	123	24.0	45 90	48.5 14	5 80	M16	24 50	27.0 8	5 40	8 M8
PSH 2125 **TMG/B5 + W**	350	250	20	300	5	18	224	120	567	307	119	213	388	354	151	39.0	60 120	64.0 18	10 100	M20	38 80	41.0 10	5 70	8 M12

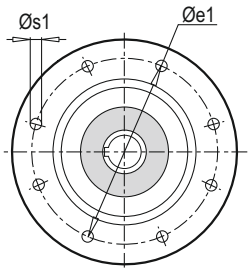




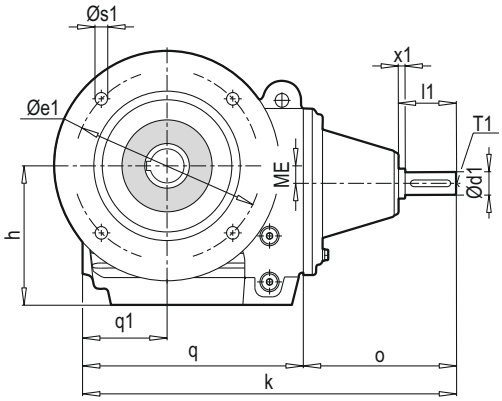


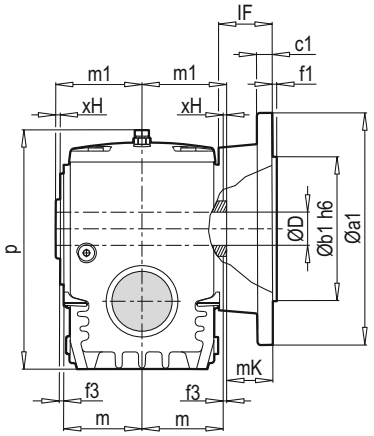


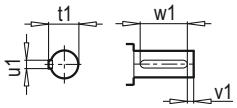
Tip Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions										Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1	o	p	q	z	q1	ME	d l	t u	v w	T	d1 l1	t1 u1	v1 w1	x1 T1
PSH 3050 **TMG/B5 + W**	160	110	10	130	3.5	9	100	50	361	63	135	122	188	181	58	71	37.5	25 50	28.0 8	5 40	M10	16 40	18.0 5	4 32	7 M5
PSH 3063 **TMG/B5 + W**	200	130	12	165	3.5	11	121	60	377	70	156	122	206.5	197	58	76	43.0	30 60	33.0 8	5 50	M10	16 40	18.0 5	4 32	7 M5
PSH 3080 **TMG/B5 + W**	200	130	12	165	3.5	11	146	70	423	79	184	122	254	243	58	102	49.0	35 70	38.0 10	7 56	M12	16 40	18.0 5	4 32	7 M5
PSH 3100 **TMG/B5 + W**	250	180	16	215	4	14	182	90	469	96	232	122	316	287	60	123	74.0	45 90	48.5 14	5 80	M16	16 40	18.0 5	4 32	7 M5
PSH 3125 **TMG/B5 + W**	350	250	20	300	5	18	224	120	595	119	307	172	388	354	69	151	100	60 120	64.0 18	10 100	M20	24 50	27.0 8	5 40	8 M8

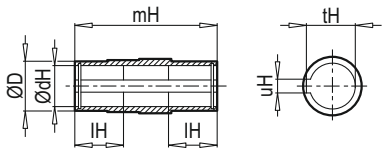


PSH 2125
Ø450 B5



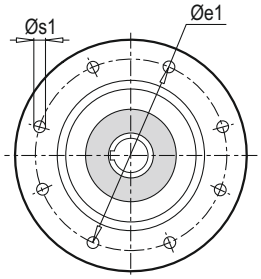




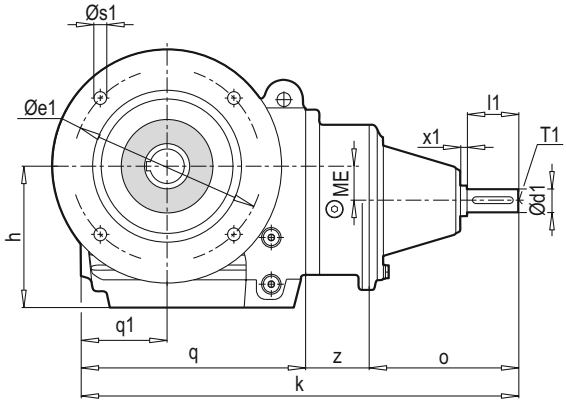


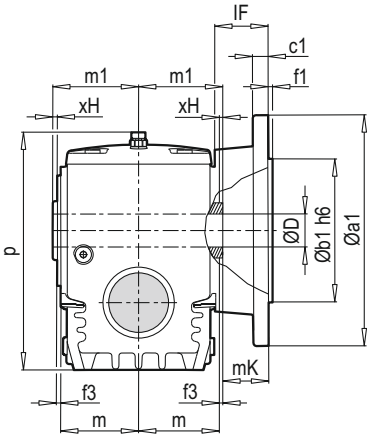
Tip	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions											Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
Type	a1	b1	c1	e1	f1	s1	h	k	m	m1	mK	o	lF	p	q	q1	f3	ME	dH* D	tH* lH	uH* mH	xH	d1 l1	t1 u1	v1 w1	x1 T1
PSH 2050 DG/B5 + W	200	130	12	165	3.5	11	100	303	60	66	39	122	45	188	181	71	3	7.5	25 30* 45	28.3 33.3* 45	8 8* 132	3	16 40	18.0 5	4 32	7 M5
PSH 2063 DG/B5 + W	200	130	12	165	3.5	11	121	319	67	74	38	122	45	206.5	197	76	3	13.0	30 35* 50	33.3 38.3* 50	8 10* 148	4	16 40	18.0 5	4 32	7 M5
PSH 2080 DG/B5 + W	250 300	180 230	15 20	215 265	4 4	14 14	146	365	75	84	44	122	53	254	243	102	4	19.0	40 45* 65	43.3 48.8* 55	12 14* 168	5	16 40	18.0 5	4 32	7 M5
PSH 2100 DG/B5 + W	350	250	20	300	5	18	182	459	92	101	48	172	57	316	287	123	4	24.0	50 60* 85	53.8 64.4* 70	14 18* 202	5	24 50	27.0 8	5 40	8 M8
PSH 2125 DG/B5 + W	400 450	300 350	20 22	350 400	5 5	18 18	224	567	115	125	50	213	60	388	354	151	4	39.0	60 70* 95	64.4 74.9* 89	18 20* 250	6	38 80	41.0 10	5 70	8 M12

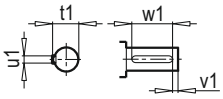
***Opsiyonel delik milli şaft** *Optional hollow shaft

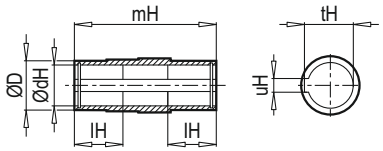


PSH 3125
Ø450 B5





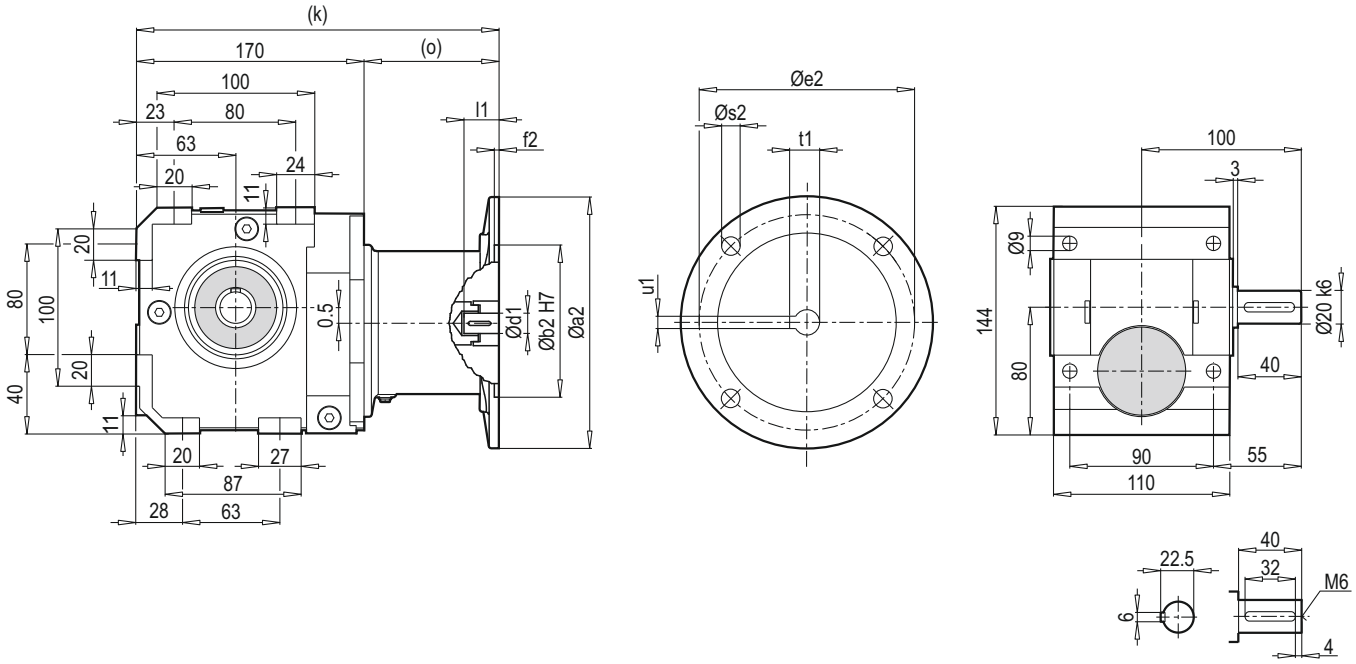




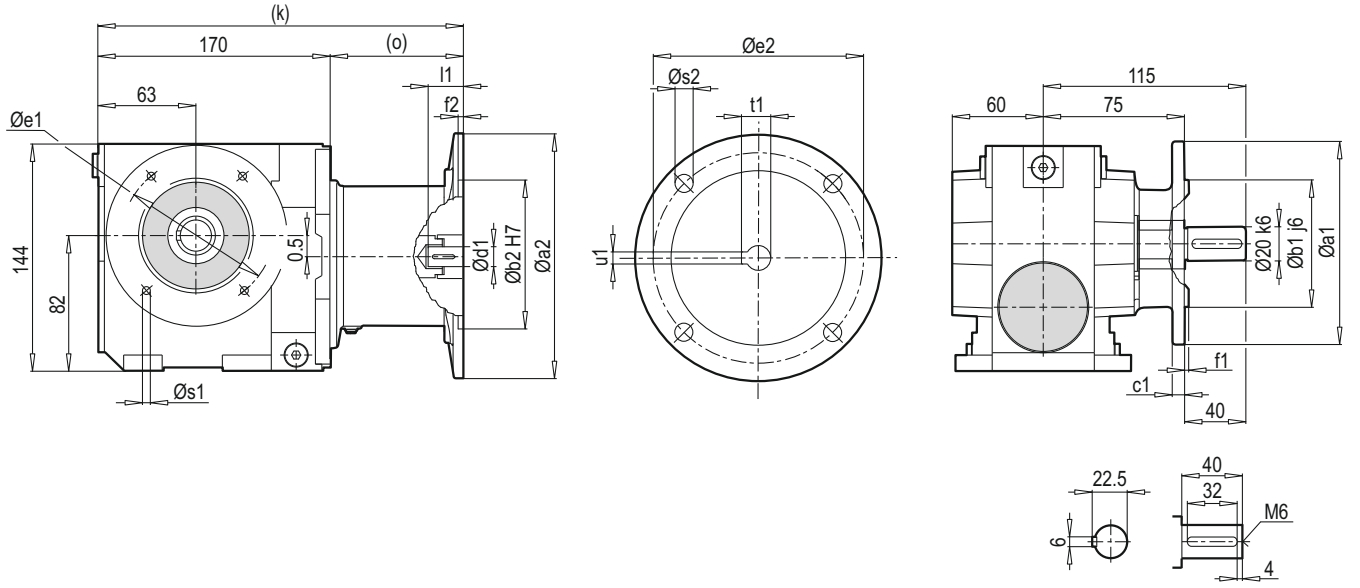
Tip Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions												Çıkış Şaftı Output Shaft				Giriş Şaftı Input Shaft			
	a1	**b1**	**c1**	**e1**	**f1**	**s1**	**h**	**k**	**m**	**m1**	**mK**	**o**	**lF**	**p**	**q**	**z**	**q1**	**f3**	**ME**	**dH***	**tH***	**uH***	**xH**	**d1**	**t1**	**v1**	**x1**
																				D	**lH**	**mH**		**l1**	**u1**	**w1**	**T1**
PSH 3050 **DG /B5 + W**	200	130	12	165	3.5	11	100	361	60	66	39	122	45	188	181	58	71	3	37.5	25 30* 45	28.3 33.3* 45	8 8* 132	3	16 40	18.0 5	4 32	7 M5
PSH 3063 **DG/B5 + W**	200	130	12	165	3.5	11	121	377	67	74	38	122	45	206.5	197	58	76	3	43.0	30 35* 50	33.3 38.3* 50	8 10* 148	4	16 40	18.0 5	4 32	7 M5
PSH 3080 **DG/B5 + W**	250 300	180 230	15 20	215 265	4 4	14 14	146	423	75	84	44	122	53	254	243	58	102	4	49.0	40 45* 65	43.3 48.8* 55	12 14* 168	5	16 40	18.0 5	4 32	7 M5
PSH 3100 **DG/B5 + W**	350	250	20	300	5	18	182	469	92	101	48	122	57	316	287	60	123	4	74.0	50 60* 85	53.8 64.4* 70	14 18* 202	5	16 40	18.0 5	4 32	7 M5
PSH 3125 **DG/B5 + W**	400 450	300 350	20 22	350 400	5 5	18 18	224	595	115	125	50	172	60	388	354	69	151	4	100	60 70* 95	64.4 74.9* 89	18 20* 250	6	24 50	27.0 8	5 40	8 M8

***Opsiyonel delik milli şaft** *Optional hollow shaft

PSH 2040 TMA ...IEC



PSH 2040 TMG/B5 ...IEC

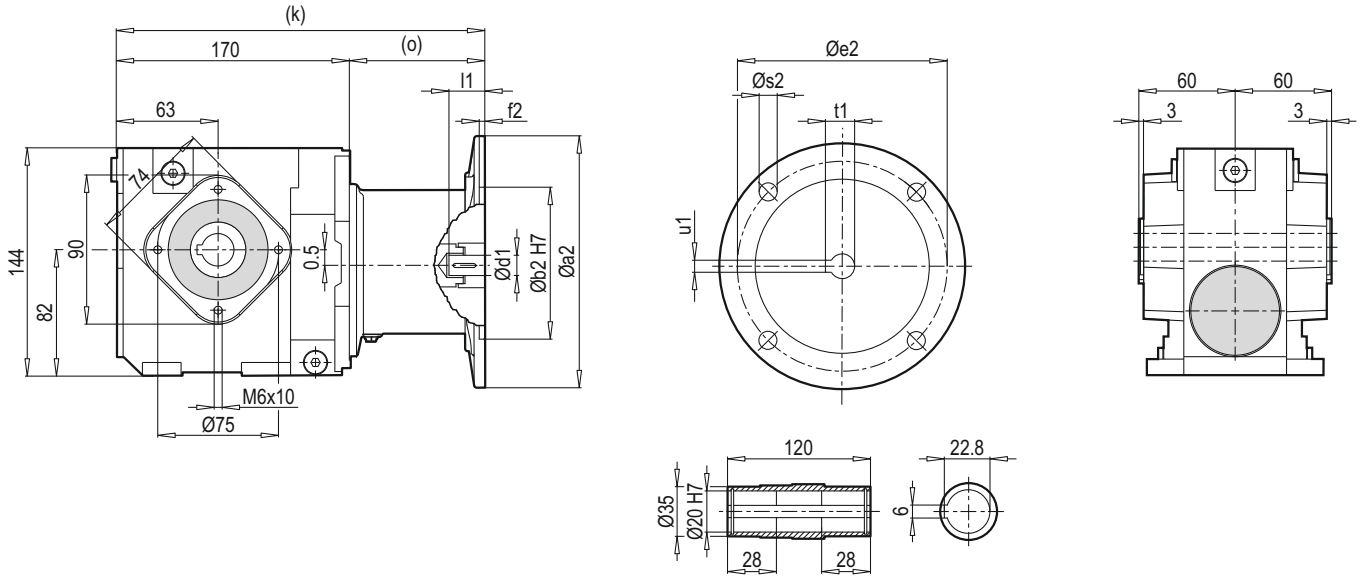


	IEC 63	IEC 71	IEC 80	IEC 90
k	255	255	273	273
o	85	85	103	103

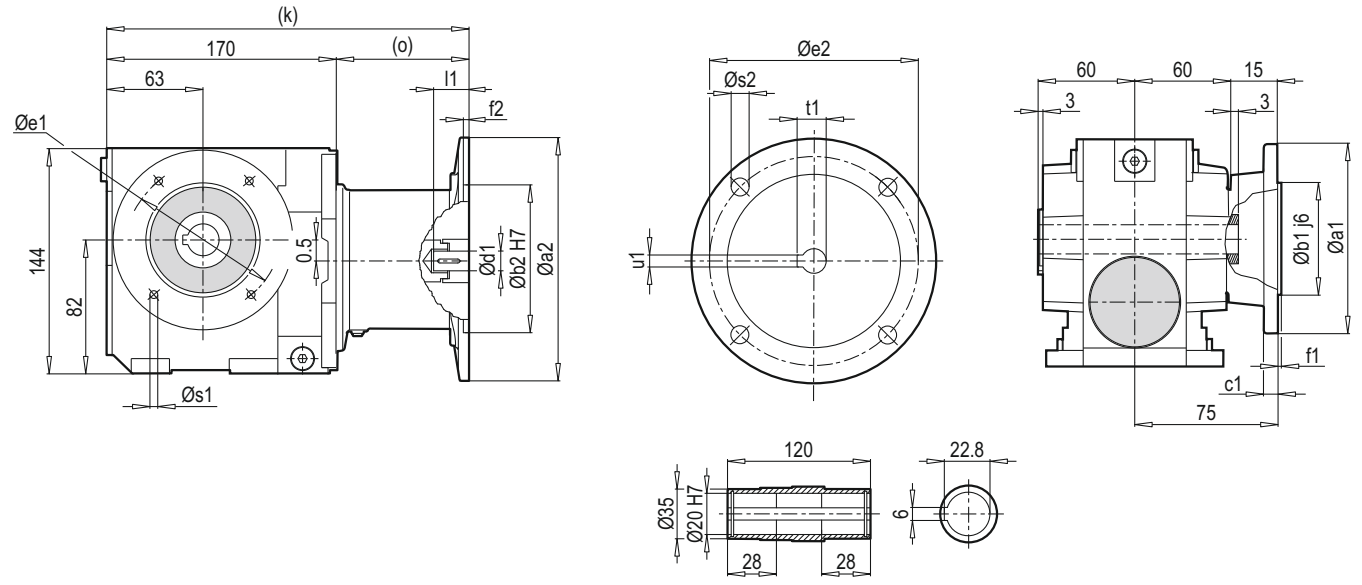
a1	b1	c1	e1	f1	s1
120	80	10	100	3,0	7
160	110	10	130	3,5	9

Motor Büyüklüğü Motor Frame Size	**Motor Bağlantı Ölçüleri** Motor Mounting Dimensions									**Kama Ölçüleri** Key	**Kaplin Tipi** Type of coupling	
	a2	**b2**	**e2**	**f2**	**s2**	**d1**	**l1**	**t1**	**u1**		**Çiftel**	**KTR**
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24

PSH 2040 DG/B14 ...IEC



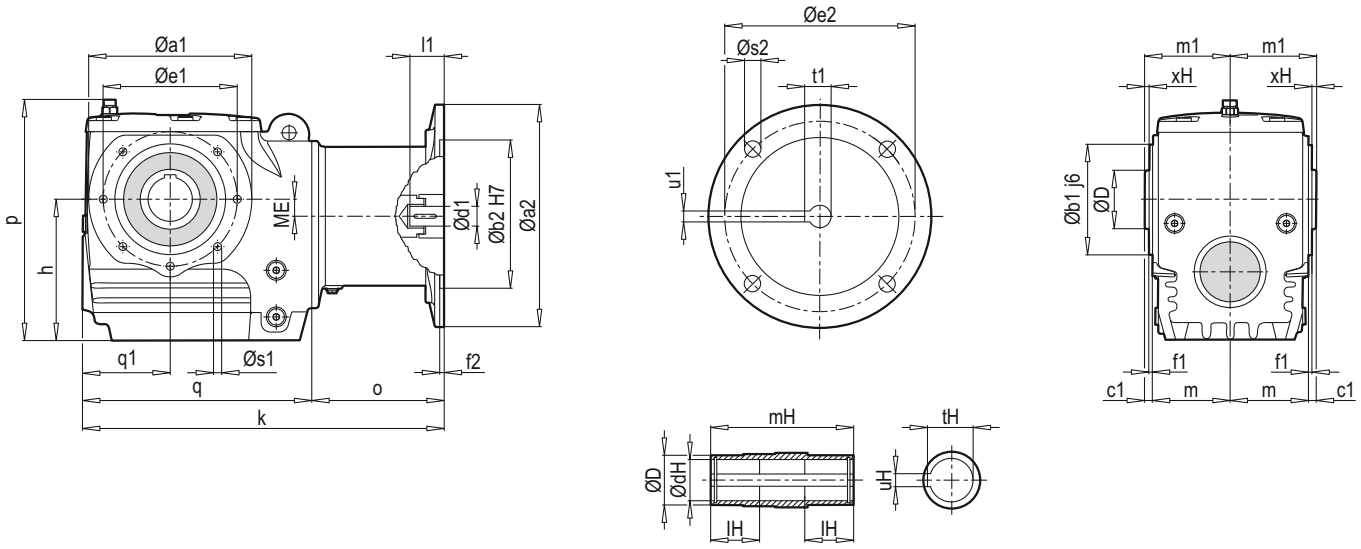
PSH 2040 DG/B5 ...IEC



	IEC 63	IEC 71	IEC 80	IEC 90
k	255	255	273	273
o	85	85	103	103

a1	b1	c1	e1	f1	s1
120	80	10	100	3,0	7
160	110	10	130	3,5	9

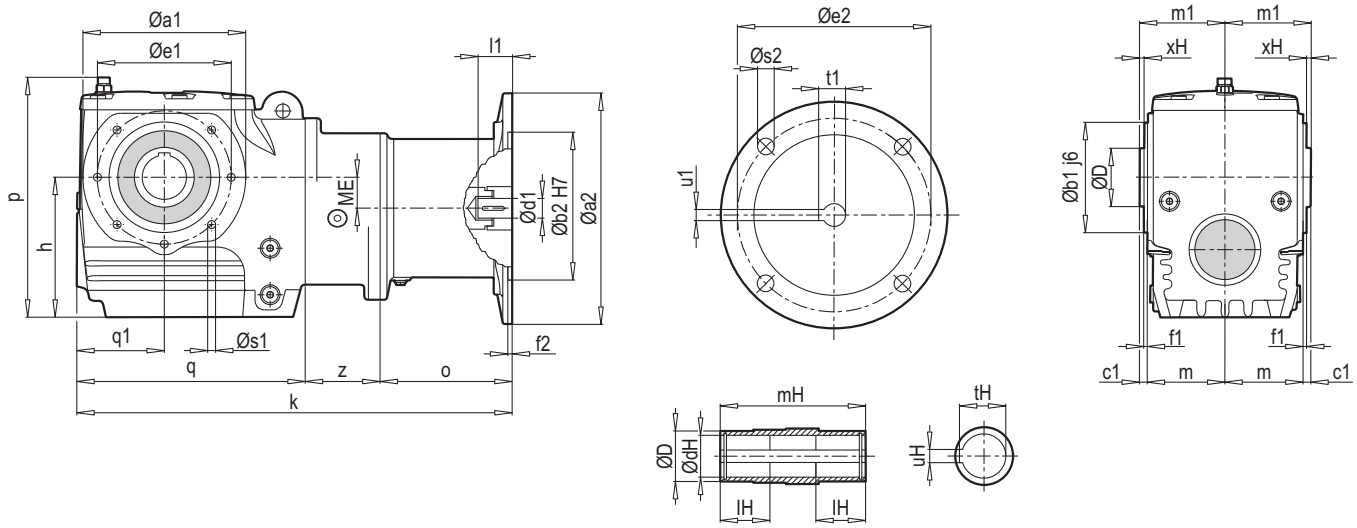
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24



Tip / Type		Montaj Ölçüleri (Flanş) / Mounting Dimensions (Flange)						Ana Ölçüler / Outline Dimensions									Şaft Ölçüleri / Shaft Dimensions			
		a1	b1	c1	e1	f1	s1	h	k	m	m1	o	p	q	q1	ME	dH* / D	tH* / lH	uH* / mH	xH
PSH 2050 DG/B14 + IEC	- IEC 63	132	95	6	115	3	M8x13	100	266	60	66	85	188	181	71	7.5	25	28.3	8	3
	- IEC 71								270			89					30*	33.3*	8*	
	- IEC 80								286			105								
	- IEC 90								286			105					45	45	132	
PSH 2063 DG/B14 + IEC	- IEC 63	140	95	7	115	3	M8x13	121	282	67	74	85	206.5	197	76	13.0	30	33.3	8	4
	- IEC 71								286			89					35*	38.3*	10*	
	- IEC 80								302			105								
	- IEC 90								302			105					50	50	148	
	- IEC 100								327			130								
PSH 2080 DG/B14 + IEC	- IEC 63	192	130	9	165	4	M10x16	146	328	75	84	85	254	243	102	19.0	40	43.3	12	5
	- IEC 71								332			89					45*	48.8*	14*	
	- IEC 80								348			105								
	- IEC 90								348			105					65	55	168	
	- IEC 100								373			130								
	- IEC 112								373			130								
PSH 2100 DG/B14 + IEC	- IEC 71	238	180	9	215	4	M12x20	182	375	92	101	88	316	287	123	24.0	50	53.8	14	5
	- IEC 80								394			107					60*	64.4*	18*	
	- IEC 90								394			107								
	- IEC 100								411			124					85	70	202	
	- IEC 112								411			124								
	- IEC 132								443			156								
PSH 2125 DG/B14 + IEC	- IEC 90	292	230	10	265	4	M12x20	224	463	115	125	109	388	354	151	39.0	60	64.4	18	6
	- IEC 100								487			133					70*	74.9*	20*	
	- IEC 112								487			133								
	- IEC 132								544			190					95	89	250	
	- IEC 160								548			194								

Motor Büyüklüğü / Motor Frame Size	Motor Bağlantı Ölçüleri / Motor Mounting Dimensions									Kama Ölçüleri / Key	Kaplin Tipi / Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42

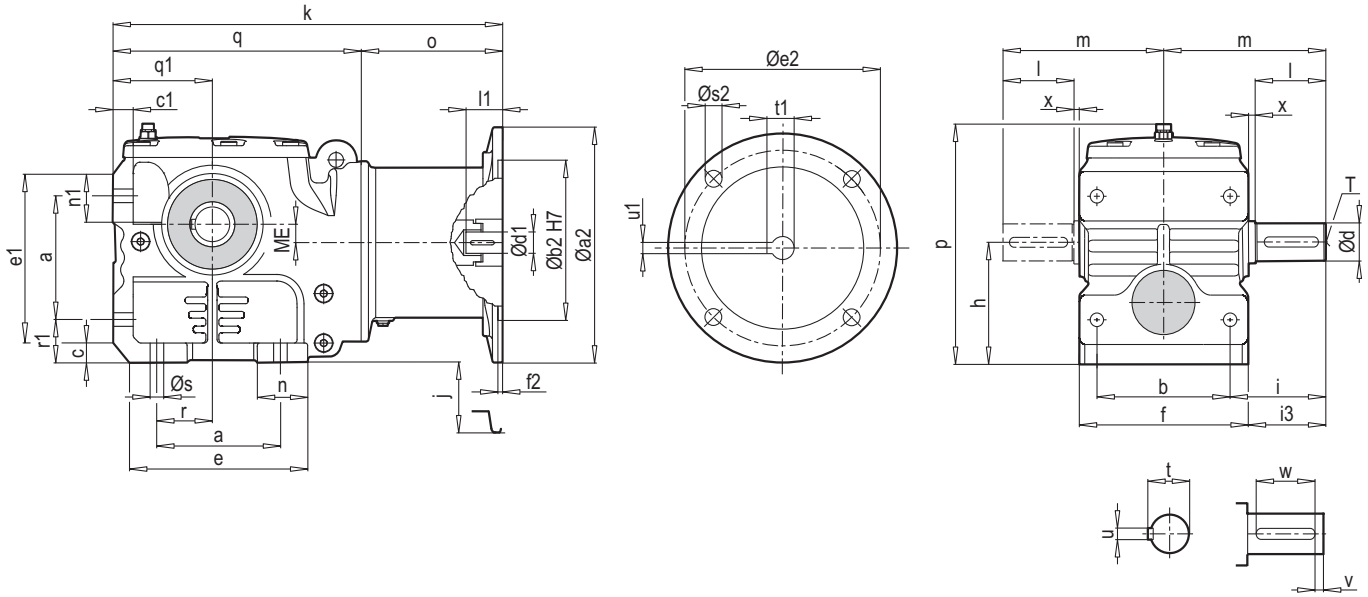
***Opsiyonel delik milli şaft** *Optional hollow shaft



Tip Type		Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions									Şaft Ölçüleri Shaft Dimensions			
		a1	b1	c1	e1	f1	s1	h	k	m	m1	o	p	q	q1	z	ME	dH* D	tH* lH	uH* mH	xH
PSH 3050 **DG/B14** **+ IEC**	- IEC 63 - IEC 71	132	95	6	115	3	M8x13	100	324 328	60	66	85 89	188	181	71	58	37.5	25 30* 45	28.3 33.3* 45	8 8* 132	3
PSH 3063 **DG/B14** **+ IEC**	- IEC 63 - IEC 71	140	95	7	115	3	M8x13	121	340 344	67	74	85 89	206.5	197	76	58	43.0	30 35* 50	33.3 38.3* 50	8 10* 148	4
PSH 3080 **DG/B14** **+ IEC**	- IEC 63 - IEC 71	192	130	9	165	4	M10 x 16	146	386 390	75	84	85 89	254	243	102	58	49.0	40 45* 65	43.3 48.8* 55	12 14* 168	5
PSH 3100 **DG/B14** **+ IEC**	- IEC 63 - IEC 71 - IEC 80 - IEC 90	238	180	9	215	4	M12 x 20	182	432 436 452 452	92	101	85 89 105 105	316	287	123	60	74.0	50 60* 85	53.8 64.4* 70	14 18* 202	5
PSH 3125 **DG/B14** **+ IEC**	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	292	230	10	265	4	M12 x 20	224	511 530 530 547 547	115	125	88 107 107 124 124	388	354	151	69	100	60 70* 95	64.4 74.9* 89	18 20* 250	6

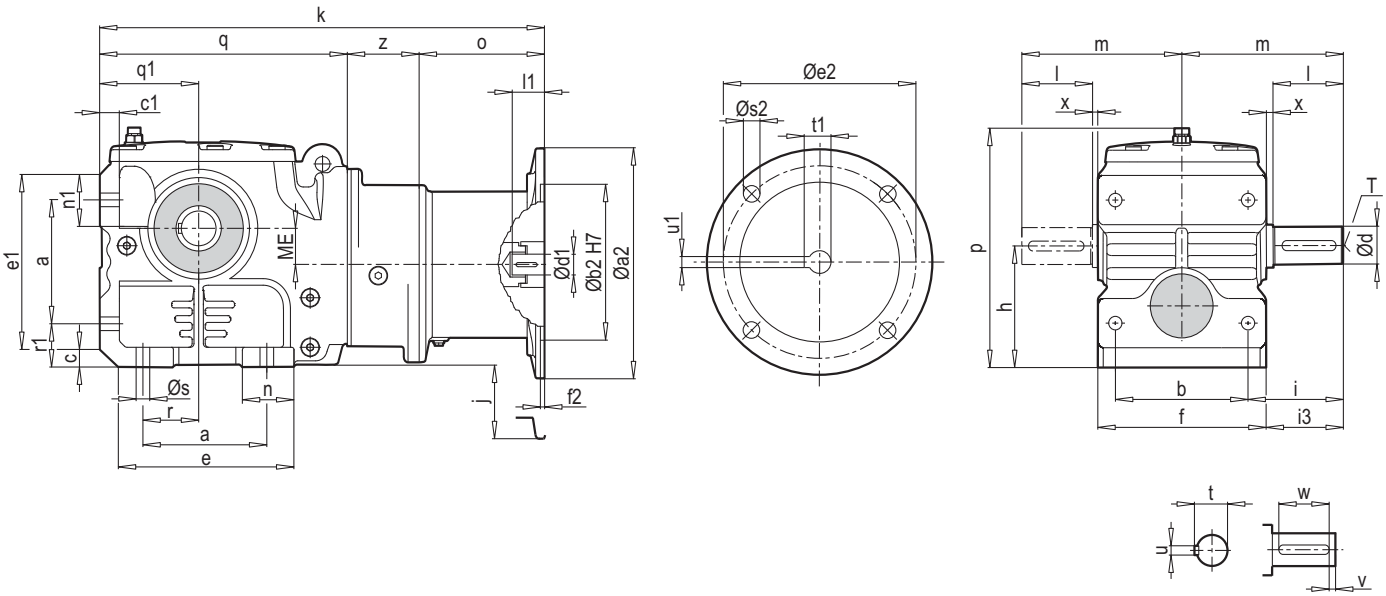
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28

***Opsiyonel delik milli şaft** *Optional hollow shaft



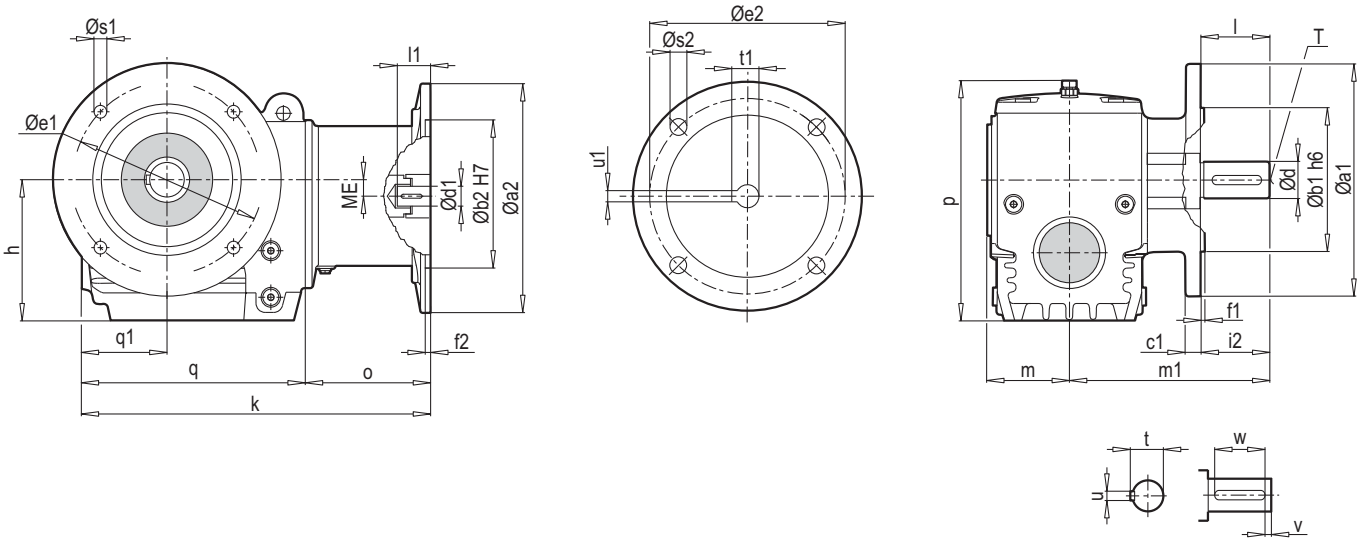
Tip / Type		Montaj Ölçüleri (Ayak) Mounting Dimensions (Foot)								Ana Ölçüler Outline Dimensions										Şaft Ölçüleri Shaft Dimensions			
		a	b	c c1	e e1	f	n n1	r r1	s	h	i i3	k	m	j	o	p	q	q1	ME	d l	t u	v w	x T
PSH 2050 **TMA + IEC**	- IEC 63 - IEC 71 - IEC 80 - IEC 90	80	100	15 15	121 117	122	40 30	35 35	11	100	65 54	271 275 291 291	115	– – 7.5 7.5	85 89 105 105	179	186	75	7.5	25 50	28.0 8	5 40	4 M10
PSH 2063 **TMA + IEC**	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100	100	110	17 17	141 141	138	40 40	45 35	11	112	79 65	286 290 306 306 331	134	– – 1.0 1.0 26.0	85 89 105 105 130	193.5	201	80	13.0	30 60	33.0 8	5 50	5 M10
PSH 2080 **TMA + IEC**	- IEC 63 - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	130	130	21 21	179 171	160	40 40	60 40	14	140	95 80	327 331 347 347 372 372	160	– – – – 4.0 4.0	85 89 105 105 130 130	229	242	100	19.0	35 70	38.0 10	5 60	6 M12
PSH 2100 **TMA + IEC**	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112 - IEC 132	135	150	29 26	186 184	190	50 48	75 70	18	180	120 100	378 397 397 414 414 446	195	– – – – – –	88 107 107 124 124 156	293	290	125	24.0	45 90	48.5 14	5 80	5 M16
PSH 2125 **TMA + IEC**	- IEC 90 - IEC 100 - IEC 112 - IEC 132 - IEC 160	180	200	36 31	244 241	250	70 60	92 82	22	225	155 130	463 487 487 544 548	255	– – – – –	109 133 133 190 194	356	354	150	39.0	60 120	64.0 18	10 100	8 M20

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42



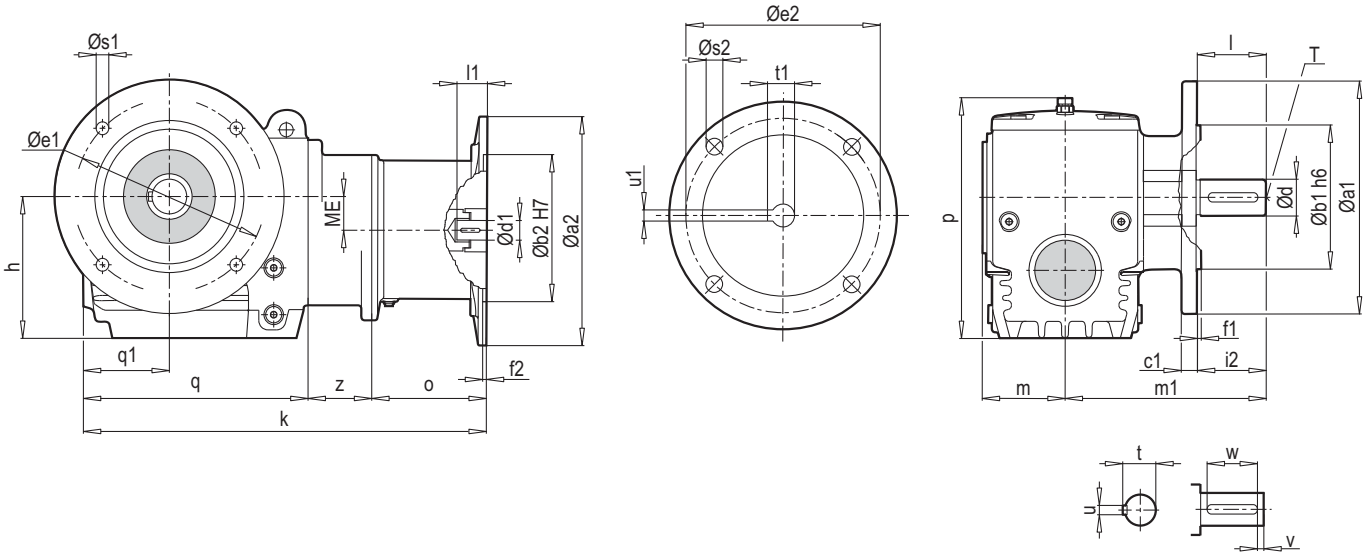
Tip / Type		Montaj Ölçüleri (Ayak) / Mounting Dimensions (Foot)								Ana Ölçüler / Outline Dimensions											Şaft Ölçüleri / Shaft Dimensions			
		a	b	c c1	e e1	f	n n1	r r1	s	h	i i3	k	m	o	p	q	j	q1	z	ME	d l	t u	v w	x T
PSH 3050 **TMA + IEC**	- IEC 63 - IEC 71	80	100	15 15	121 117	122	40 30	35 35	11	100	65 54	329 333	115	85 89	179	186	7.5 17.5	75	58	37.5	25 50	28.0 8	5 40	4 M10
PSH 3063 **TMA + IEC**	- IEC 63 - IEC 71	100	110	17 17	141 141	138	40 40	45 35	11	112	79 65	344 348	134	85 89	193.5	201	1.0 11.0	80	58	43.0	30 60	33.0 8	5 50	5 M10
PSH 3080 **TMA + IEC**	- IEC 63 - IEC 71	130	130	21 21	179 171	160	40 40	60 40	14	140	95 80	385 389	160	85 89	229	242	– –	100	58	49.0	35 70	38.0 10	5 60	6 M12
PSH 3100 **TMA + IEC**	- IEC 63 - IEC 71 - IEC 80 - IEC 90	135	150	29 26	186 184	190	50 48	75 70	18	180	120 100	435 439 455 455	195	85 89 105 105	293	290	– – – –	125	60	74.0	45 90	48.5 14	5 80	5 M16
PSH 3125 **TMA + IEC**	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	180	200	36 31	244 241	250	70 60	92 82	22	225	155 130	511 530 530 547 547	255	88 107 107 124 124	356	354	– – – – –	150	69	100	60 120	64.0 18	10 100	8 M20

Motor Büyüklüğü / Motor Frame Size	Motor Bağlantı Ölçüleri / Motor Mounting Dimensions									Kama Ölçüleri / Key	Kaplin Tipi / Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28



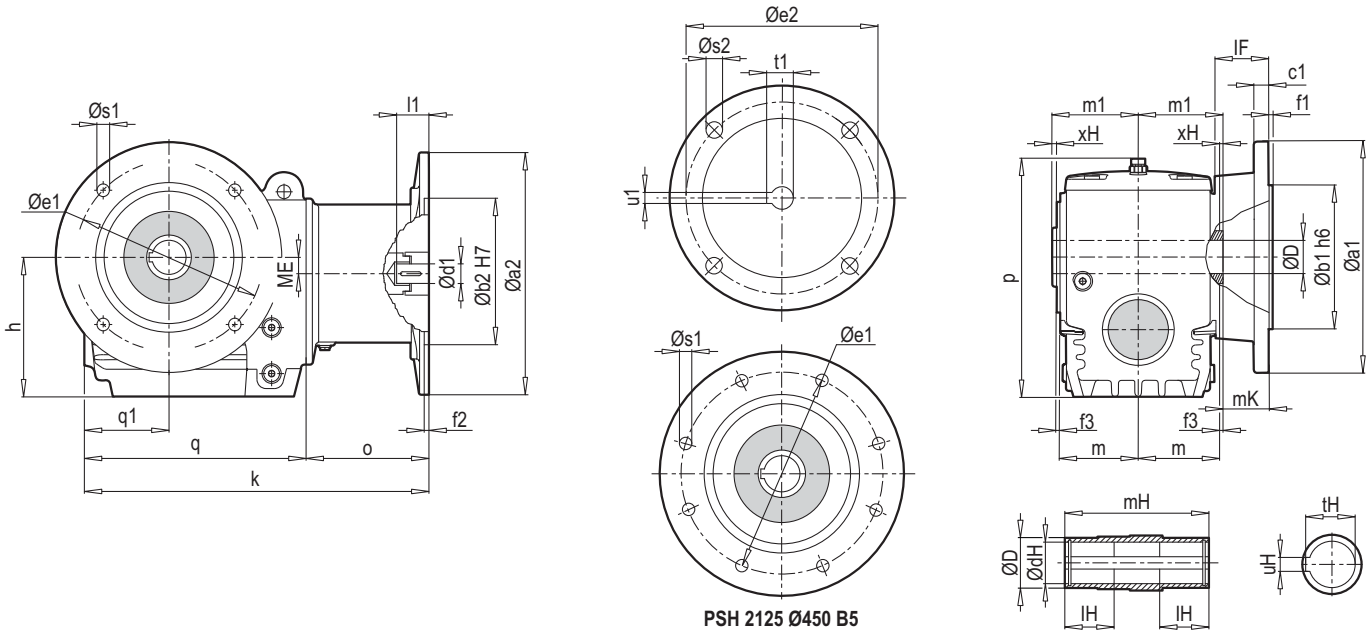
Tip / Type		Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions									Şaft Ölçüleri Shaft Dimensions			
		a1	b1	c1	e1	f1	s1	h	i2	k	m	m1	o	p	q	q1	ME	d l	t u	v w	T
PSH 2050 TMG/B5 + IEC	- IEC 63	160	110	10	130	3.5	9	100	50	266	63	135	85	188	181	71	7.5	25	28.0	5	M10
	- IEC 71									270			89					50	8	40	
	- IEC 80									286			105								
	- IEC 90									286			105								
PSH 2063 TMG/B5 + IEC	- IEC 63	200	130	12	165	3.5	11	121	60	282	70	156	85	206.5	197	76	13.0	30	33.0	5	M10
	- IEC 71									286			89					60	8	50	
	- IEC 80									302			105								
	- IEC 90									302			105								
	- IEC 100									327			130								
PSH 2080 TMG/B5 + IEC	- IEC 63	200	130	12	165	3.5	11	146	70	328	79	184	85	254	243	102	19.0	35	38.0	7	M12
	- IEC 71									332			89					70	10	56	
	- IEC 80									348			105								
	- IEC 90									348			105								
	- IEC 100									373			130								
	- IEC 112									373			130								
PSH 2100 TMG/B5 + IEC	- IEC 71	250	180	16	215	4	14	182	90	375	96	232	88	316	287	123	24.0	45	48.5	5	M16
	- IEC 80									394			107					90	14	80	
	- IEC 90									394			107								
	- IEC 100									411			124								
	- IEC 112									411			124								
	- IEC 132									443			156								
PSH 2125 TMG/B5 + IEC	- IEC 90	350	250	20	300	5	18	224	120	463	119	307	109	388	354	151	39.0	60	64.0	10	M20
	- IEC 100									487			133					120	18	100	
	- IEC 112									487			133								
	- IEC 132									544			190								
	- IEC 160									548			194								

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42



Tip / Type	Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions											Şaft Ölçüleri Shaft Dimensions			
	a1	b1	c1	e1	f1	s1	h	i2	k	m	m1	o	p	q	z	q1	ME	d l	t u	v w	T
PSH 3050 TMG/B5 + IEC - IEC 63 - IEC 71	160	110	10	130	3.5	9	100	50	324 328	63	135	85 89	188	181	58	71	37.5	25 50	28.0 8	5 40	M10
PSH 3063 TMG/B5 + IEC - IEC 63 - IEC 71	200	130	12	165	3.5	11	121	60	340 344	70	156	85 89	206.5	197	58	76	43.0	30 60	33.0 8	5 50	M10
PSH 3080 TMG/B5 + IEC - IEC 63 - IEC 71	200	130	12	165	3.5	11	146	70	386 390	79	184	85 89	254	243	58	102	49.0	35 70	38.0 10	7 56	M12
PSH 3100 TMG/B5 + IEC - IEC 63 - IEC 71 - IEC 80 - IEC 90	250	180	16	215	4	14	182	90	432 436 452 452	96	232	85 89 105 105	316	287	60	123	74.0	45 90	48.5 14	5 80	M16
PSH 3125 TMG/B5 + IEC - IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	350	250	20	300	5	18	224	120	511 530 530 547 547	119	307	88 107 107 124 124	388	354	69	151	100	60 120	64.0 18	10 100	M20

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28

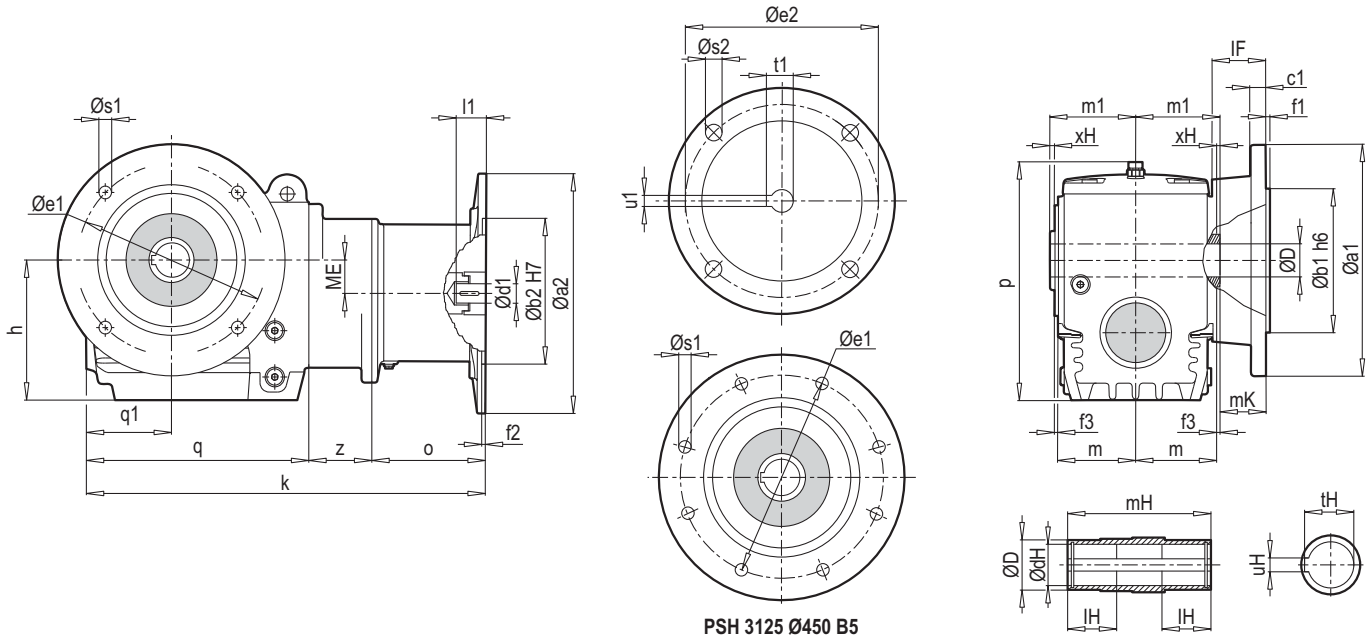


PSH 2125 Ø450 B5

Tip / Type		Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana ölçüler Outline Dimensions											Şaft Ölçüleri Shaft Dimensions			
		a1	b1	c1	e1	f1	s1	h	k	m	m1	mK	o	lF	p	q	q1	f3	ME	dH* D	tH* lH	uH* mH	xH
PSH 2050 DG/B5 + IEC	- IEC 63	200	130	12	165	3.5	11	100	266	60	66	39	85	45	188	181	71	3	7.5	25	28.3	8	3
	- IEC 71								270				89							30*	33.3*	8*	
	- IEC 80								286				105										
	- IEC 90								286				105							45	45	132	
PSH 2063 DG/B5 + IEC	- IEC 63	200	130	12	165	3.5	11	121	282	67	74	38	85	45	206.5	197	76	3	13.0	30	33.3	8	4
	- IEC 71								286				89							35*	38.3*	10*	
	- IEC 80								302				105										
	- IEC 90								302				105										
	- IEC 100								327				130							50	50	148	
PSH 2080 DG/B5 + IEC	- IEC 63	250	180	15	215	4	14	146	328	75	84	44	85	53	254	243	102	4	19.0	40	43.3	12	5
	- IEC 71	300	230	20	265	4	14		332				89							45*	48.8*	14*	
	- IEC 80								348				105										
	- IEC 90								348				105										
	- IEC 100								373				130										
	- IEC 112								373				130							65	55	168	
PSH 2100 DG/B5 + IEC	- IEC 71	350	250	20	300	5	18	182	375	92	101	48	88	57	316	287	123	4	24.0	50	53.8	14	5
	- IEC 80								394				107							60*	64.4*	18*	
	- IEC 90								394				107										
	- IEC 100								411				124										
	- IEC 112								411				124										
	- IEC 132								443				156							85	70	202	
PSH 2125 DG/B5 + IEC	- IEC 90	400	300	20	350	5	18	224	463	115	125	50	109	60	388	354	151	4	39.0	60	64.4	18	6
	- IEC 100	450	350	22	400	5	18		487				133							70*	74.9*	20*	
	- IEC 112								487				133										
	- IEC 132								544				190										
	- IEC 160								548				194							95	89	250	

Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
132	300	230	265	5.0	M12	38	80	41.3	10	A 10x8x60	DK - 38	BM - 38
160	350	250	300	6.0	M16	42	110	45.3	12	A 12x8x75	DK - 42	BM - 42

***Opsiyonel delik milli şaft** *Optional hollow shaft



PSH 3125 Ø450 B5

Tip / Type		Montaj Ölçüleri (Flanş) Mounting Dimensions (Flange)						Ana Ölçüler Outline Dimensions													Şaft Ölçüleri Shaft Dimensions			
		a1	b1	c1	e1	f1	s1	h	k	m	m1	mK	o	lF	p	q	z	q1	f3	ME	dH* D	tH* lH	uH* mH	xH
PSH 3050 DG/B5 + IEC	- IEC 63 - IEC 71	200	130	12	165	3.5	11	100	324 328	60	66	39	85 89	45	188	181	58	71	3	37.5	25 30* 45	28.3 33.3* 45	8 8* 132	3
PSH 3063 DG/B5 + IEC	- IEC 63 - IEC 71	200	130	12	165	3.5	11	121	340 344	67	74	38	85 89	45	206.5	197	58	76	3	43.0	30 35* 50	33.3 38.3* 50	8 10* 148	4
PSH 3080 DG/B5 + IEC	- IEC 63 - IEC 71	250 300	180 230	15 20	215 265	4 4	14 14	146	386 390	75	84	44	85 89	53	254	243	58	102	4	49.0	40 45* 65	43.3 48.8* 55	12 14* 168	5
PSH 3100 DG/B5 + IEC	- IEC 63 - IEC 71 - IEC 80 - IEC 90	350	250	20	300	5	18	182	432 436 452 452	92	101	48	85 89 105 105	57	316	287	60	123	4	74.0	50 60* 85	53.8 64.4* 70	14 18* 202	5
PSH 3125 DG/B5 + IEC	- IEC 71 - IEC 80 - IEC 90 - IEC 100 - IEC 112	400 450	300 350	20 22	350 400	5 5	18 18	224	511 530 530 547 547	115	125	50	88 107 107 124 124	60	388	354	69	151	4	100	60 70* 95	64.4 74.9* 89	18 20* 250	6

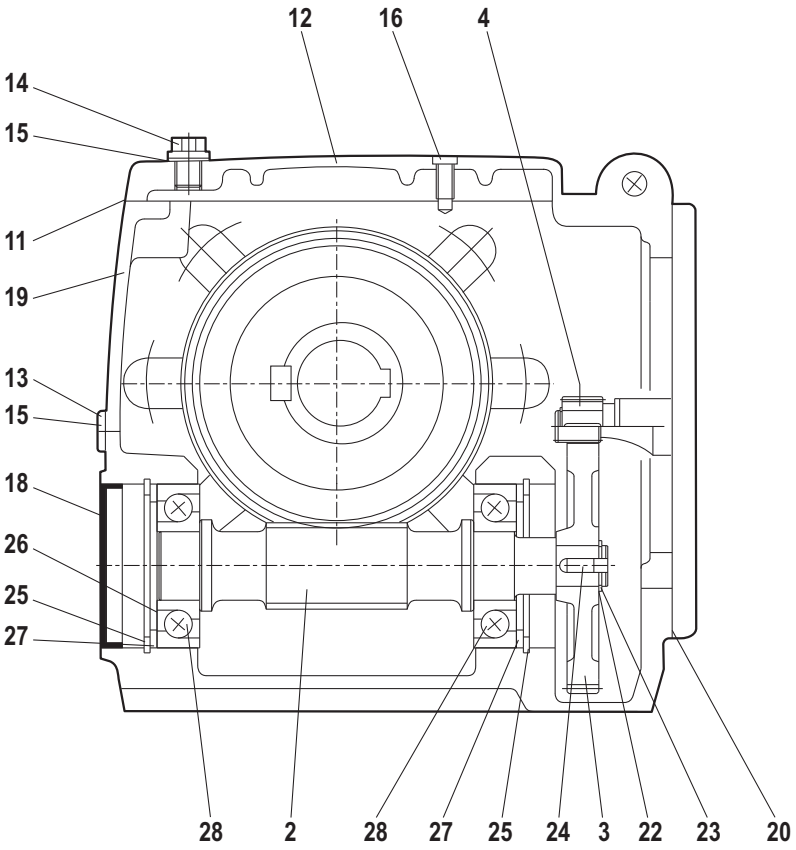
Motor Büyüklüğü Motor Frame Size	Motor Bağlantı Ölçüleri Motor Mounting Dimensions									Kama Ölçüleri Key	Kaplin Tipi Type of coupling	
	a2	b2	e2	f2	s2	d1	l1	t1	u1		Çiftel	KTR
63	140	95	115	3.5	M8	11	23	12.8	4	A 4x4x18	DK - 14	BJ - 14
71	160	110	130	4.0	M8	14	30	16.3	5	A 5x5x25	DK - 14	BJ - 14
80	200	130	165	4.0	M10	19	40	21.8	6	A 6x6x35	DK - 24	BJ - 24
90	200	130	165	4.0	M10	24	50	27.3	8	A 8x7x40	DK - 24	BJ - 24
100	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28
112	250	180	215	5.0	M12	28	60	31.3	8	A 8x7x50	DK - 28	BJ - 28

***Opsiyonel delik milli şaft** *Optional hollow shaft

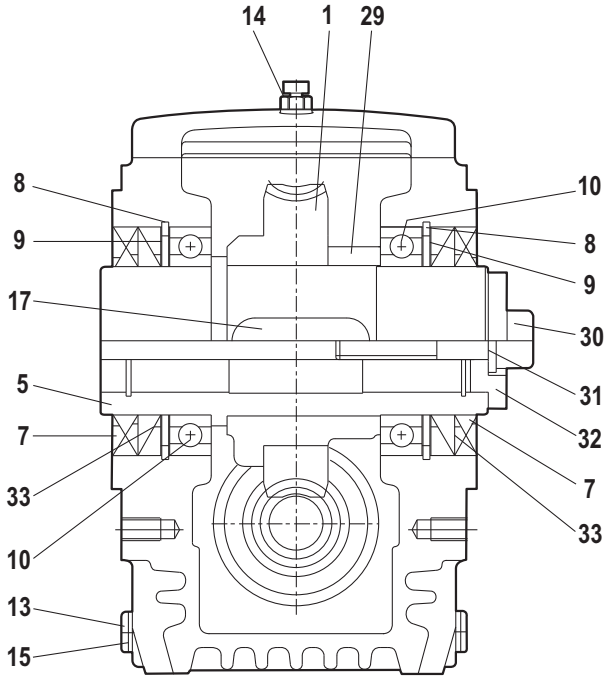
TR GENEL PARÇA LİSTESİ

EN GENERAL PART LIST OF PSH

PSH 2040 - PSH 2125 DG
Gövdeden Montajlı / Case Mounted



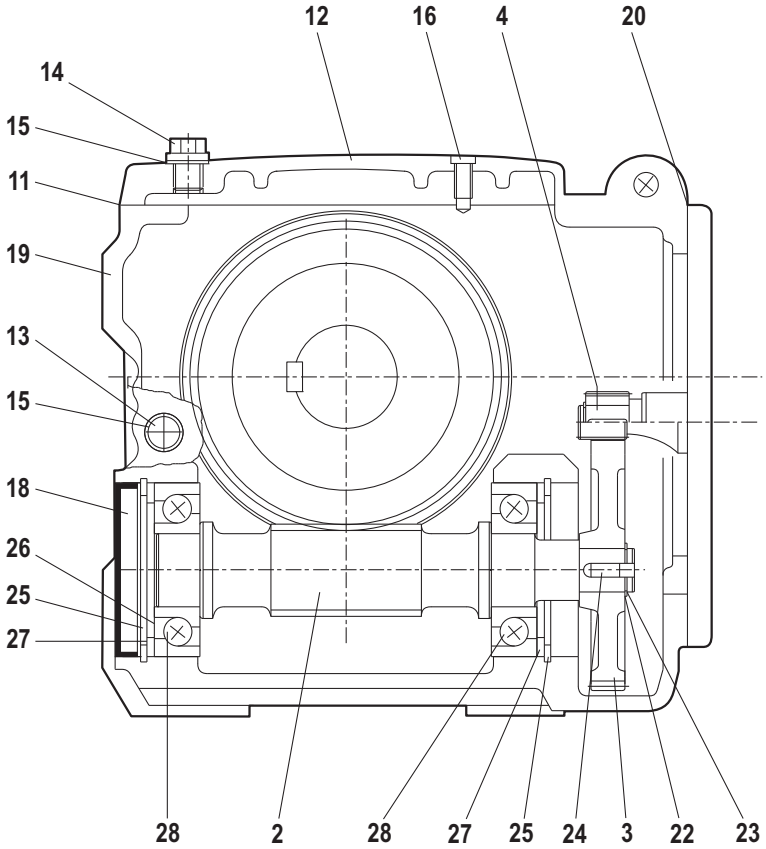
1	**Sonsuz Çark**	Worm whell
2	**Vida**	Worm gear
3	**Z2 Dişlisi**	Driving gear
4	**Z1 Dişlisi**	Driving pinion
5	**Çıkış Şaftı**	Hollow Shaft
7	**Şaft Keçesi**	Shaft Seal
8	**Segman**	Circlip
9	**Layner**	Shim
10	**Bilyalı Rulman**	Ball Bearing
11	**Conta**	Gasket
12	**Gövde Kapağı**	Gearcase Cover
13	**Yağ Tapası**	Drain plug
14	**Havalandırma Tapası**	Vent plug
15	**Rondela**	Washer
16	**Alyan Başlı Civata**	Socket Head Screw
17	**Kama**	Key
18	**Yağ Kapağı**	Locking Cap
19	**Gövde**	Gear Case
20	**Conta**	Gasket
22	**Rondela**	Supporting Disc
23	**Segman**	Circlip
24	**Kama**	Key
25	**Segman**	Circlip
26	**Layner**	Shim
27	**Rondela**	Supporting Disc
28	**Rulman**	Angular ball bearing
29	**Burç**	Spacer
30	**Alyan Başlı Civata**	Socket Head Screw
31	**Rondela**	Washer
32	**Disk**	Disc
33	**Şaft Keçesi**	Shaft Seal



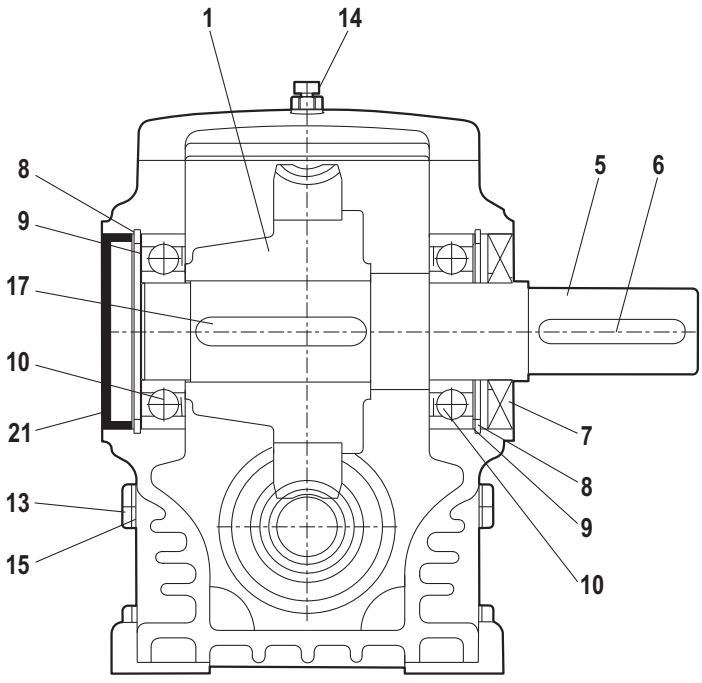
TR GENEL PARÇA LİSTESİ

EN GENERAL PART LIST OF PSH

PSH 2040 - PSH 2125
Ayak Montajlı / Foot Mounted



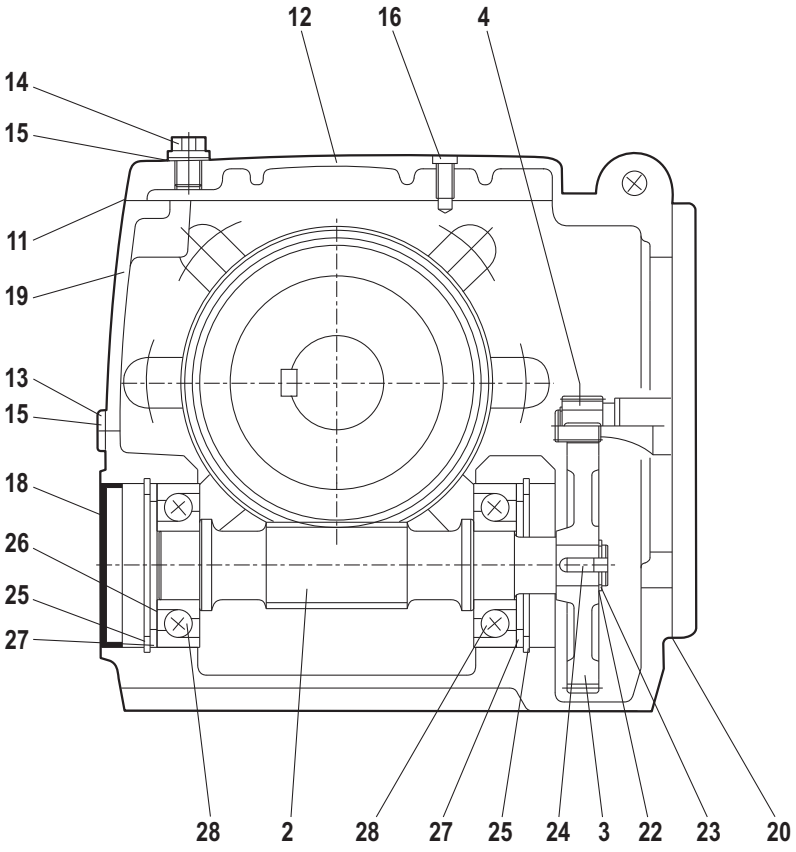
1	**Sonsuz Çark**	Worm whell
2	**Vida**	Worm gear
3	**Z2 Dişlisi**	Driving gear
4	**Z1 Dişlisi**	Driving pinion
5	**Çıkış Mili**	Output Shaft
6	**Kama**	Key
7	**Şaft Keçesi**	Shaft Seal
8	**Segman**	Circlip
9	**Layner**	Shim
10	**Bilyalı Rulman**	Ball Bearing
11	**Conta**	Gasket
12	**Gövde Kapağı**	Gearcase Cover
13	**Yağ Tapası**	Drain plug
14	**Havalandırma Tapası**	Vent plug
15	**Rondela**	Washer
16	**Alyan Başlı Civata**	Socket Head Screw
17	**Kama**	Key
18	**Yağ Kapağı**	Locking Cap
19	**Gövde**	Gear Case
20	**Conta**	Gasket
21	**Yağ kapağı**	Locking Cap
22	**Rondela**	Supporting Disc
23	**Segman**	Circlip
24	**Kama**	Key
25	**Segman**	Circlip
26	**Layner**	Shim
27	**Rondela**	Supporting Disc
28	**Rulman**	Angular ball bearing

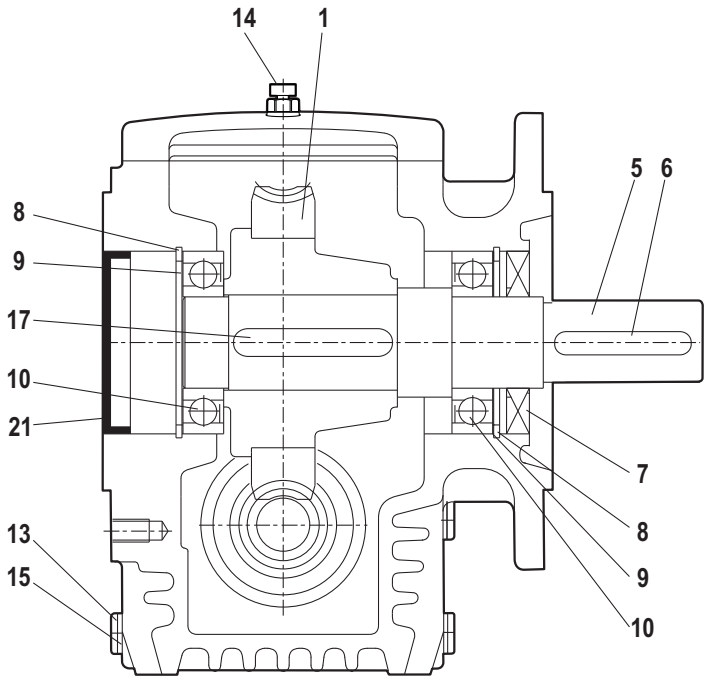


TR GENEL PARÇA LİSTESİ

EN GENERAL PART LIST OF PSH

PSH 2040 - PSH 2125
Flanş Montajlı / Flange Mounted

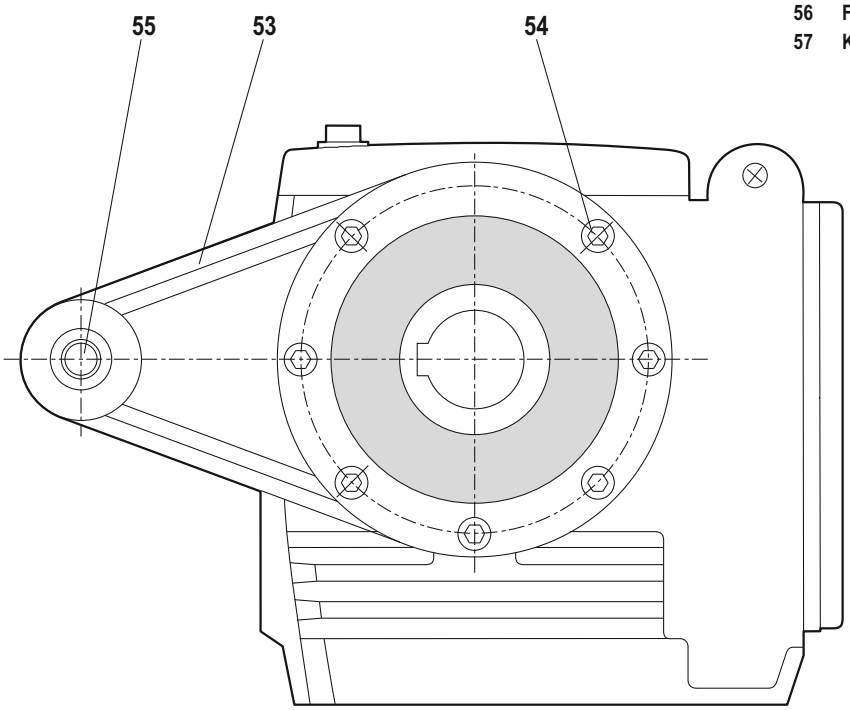




1	**Sonsuz Çark**	Worm whell
2	**Vida**	Worm gear
3	**Z2 Dişlisi**	Driving gear
4	**Z1 Dişlisi**	Driving pinion
5	**Çıkış Mili**	Output Shaft
6	**Kama**	Key
7	**Şaft Keçesi**	Shaft Seal
8	**Segman**	Circlip
9	**Layner**	Shim
10	**Bilyalı Rulman**	Ball Bearing
11	**Conta**	Gasket
12	**Gövde Kapağı**	Gearcase Cover
13	**Yağ Tapası**	Drain plug
14	**Havalandırma Tapası**	Vent plug
15	**Rondela**	Washer
16	**Alyan Başlı Civata**	Socket Head Screw
17	**Kama**	Key
18	**Yağ Kapağı**	Locking Cap
19	**Gövde**	Gear Case
20	**Conta**	Gasket
21	**Yağ kapağı**	Locking Cap
22	**Rondela**	Supporting Disc
23	**Segman**	Circlip
24	**Kama**	Key
25	**Segman**	Circlip
26	**Layner**	Shim
27	**Rondela**	Supporting Disc
28	**Rulman**	Angular ball bearing

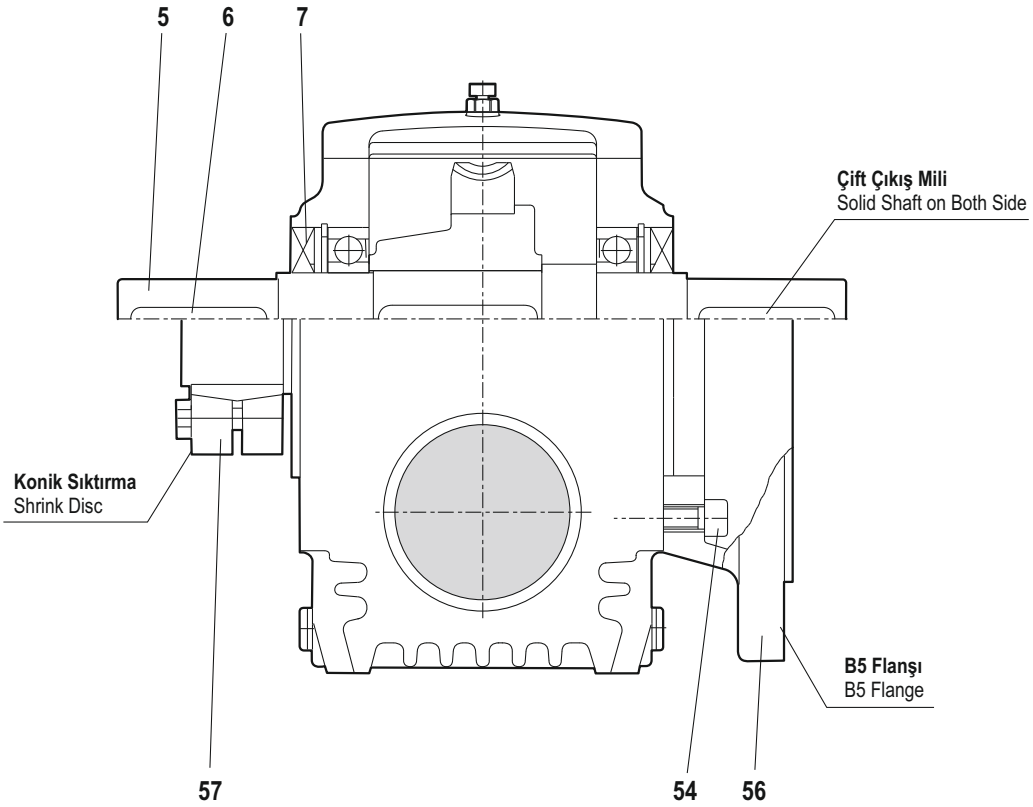
TR GENEL PARÇA LİSTESİ

PSH 2040 - PSH 2125
PSH 3050 - PSH 3125
Delik Milli - Tork Kollu (DG/TK)
Hollow shaft - Torque arm



EN GENERAL PART LIST OF PSH

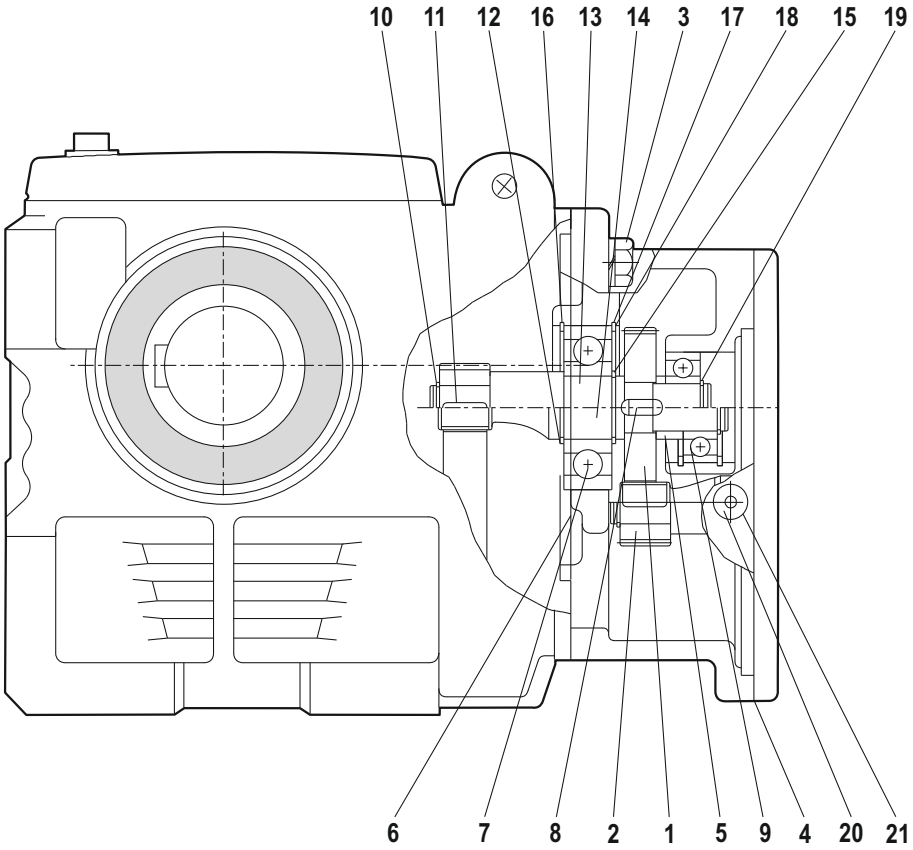
5	**Çift çıkış mili**	Output shaft, two sides
6	**Kama**	Key
7	**Çıkış mili keçesi**	Shaft seal
53	**Tork kolu**	Torque arm
54	**Alyan başlı civata**	Socket head screw
55	**Vibrasyon sönümleyeci**	Vibration dampening connector
56	**Flanş**	Flange
57	**Konik sıktırma**	Shrink disc connector



TR GENEL PARÇA LİSTESİ

EN GENERAL PART LIST OF PSH

PSH 3050 - PSH 3125
Ayak Montajlı / Foot Mounted
Gövdeden Montajlı / Case Mounted

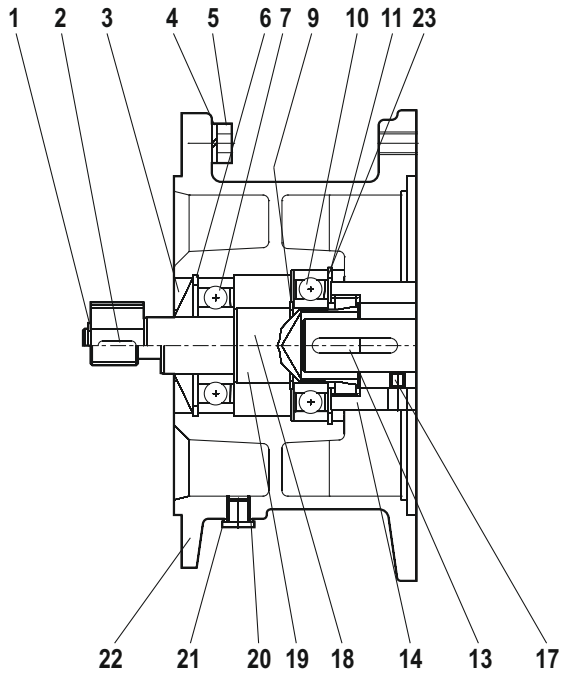


1	**Z2 Dişlisi**	Input Gear
2	**Z1 Dişlisi**	Input Pinion
3	**Civata**	Bolt
4	**Conta**	Gasket
5	**Rondela**	Supporting disc
6	**İndirgeyici Gövdesi**	Third Reduction gearcase
7	**Rulman**	Ball bearing
8	**Kama**	Key
9	**Rulman**	Ball bearing
10	**Segman**	Circlip
11	**Kama**	Key
12	**Segman**	Circlip
13	**İndirgeyici Mili Çakma**	Intermediate shaft, plain
14	**İndirgeyici Mili Yekpare**	Intermediate shaft, Gearcut
15	**Segman**	Circlip
16	**Segman**	Circlip
17	**Layner**	Shim
18	**Segman**	Circlip
19	**Segman**	Circlip
20	**Tapa**	Plug
21	**Rondela**	Washer

TR GENEL PARÇA LİSTESİ

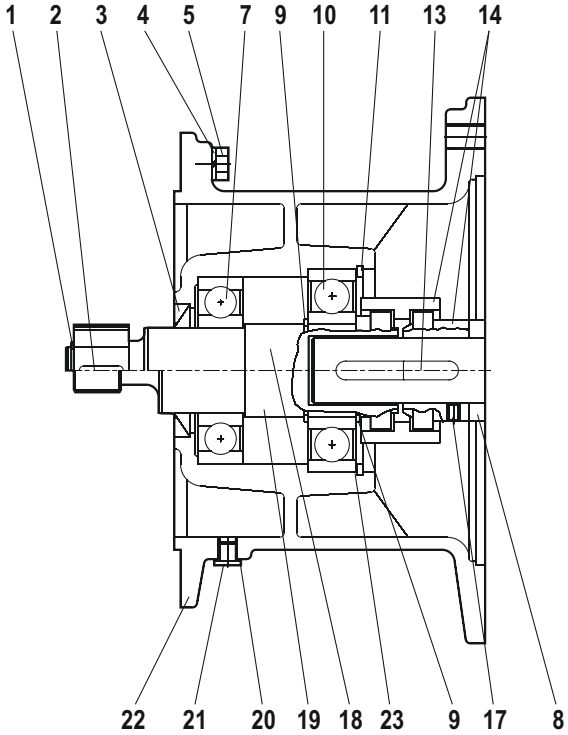
EN GENERAL PART LIST OF PSH

IEC 63 - 112



1	**Segman**	Circlip
2	**Kama**	Key
3	**Şaft keçesi**	Shaft seal
4	**Rondela**	Washer
5	**Altıköşe başlı civata**	Hexagon screw
6	**Segman**	Circlip
7	**Rulman**	Clutch shaft bearing
8	**Burç**	Spacer
9	**Segman**	Circlip
10	**Rulman**	Clutch shaft bearing
11	**Segman**	Circlip
12	**Kama**	Key
13	**Kama**	Key
14	**Kaplin**	Coupling
17	**Setuskur civata**	Set screw
18	**Iec mili çakma**	Clutch shaft
19	**Iec mili yekpare**	Clutch pinion shaft
20	**Rondela**	Washer
21	**Yağ tapası**	Oil plug
22	**Iec gövdesi**	IEC adapter
23	**Layner**	Shim

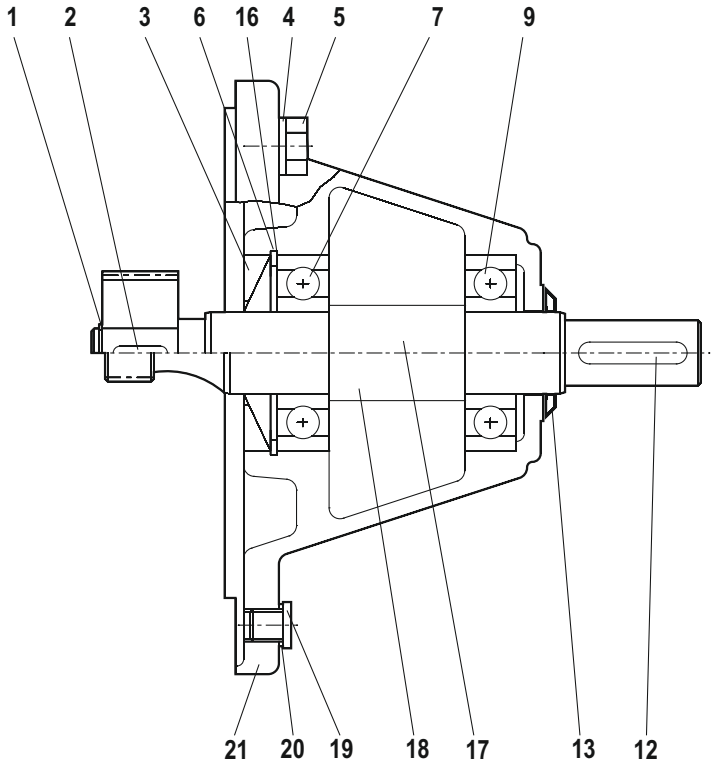
IEC 132 - 160



TR GENEL PARÇA LİSTESİ

EN GENERAL PART LIST OF PSH

PSH 2040 - PSH 2125
PSH 3050 - PSH 3125

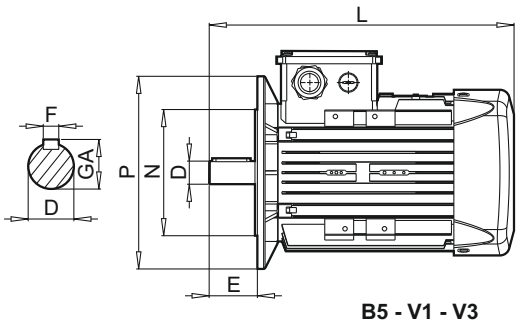


1	**Segman**	Circlip
2	**Kama**	Key
3	**Şaft keçesi**	Shaft seal
4	**Rondela**	Washer
5	**Altıköşe başlı civata**	Hexagon screw
6	**Segman**	Circlip
7	**Rulman**	Input shaft bearing
9	**Rulman**	Input shaft bearing
12	**Kama**	Key
13	**Yağ tutucu**	Oil flinger
16	**Layner**	Shim
17	**W mili çakma**	Input shaft, plain
18	**W mili yekpare**	Input shaft, gearcut
19	**Yağ tapası**	Drain plug
20	**Rondela**	Washer
21	**W gövdesi**	Input bearing housing

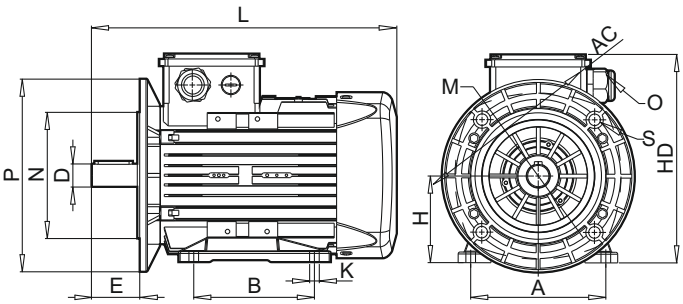
TR ÜÇ FAZLI MOTORLAR IE1

EN THREE PHASE MOTORS IE1

BOYUTLAR - B5, B35



B5 - V1 - V3



B35 - V15 - V35

				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FA) (B5)				
Güç (kW)	Kutup Sayısı	Motor Tipi	GövdeTipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
0.12	4	Q1E 63M4A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	140	95	115	0	10
0.18	2	Q1E 63M2A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	140	95	115	0	10
	4	Q1E 63M4B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	140	95	115	0	10
	6	Q1E 71M6A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	8	Q1E 80M8A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
0.25	2	Q1E 63M2B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	140	95	115	0	10
	4	Q1E 71M4A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	6	Q1E 71M6B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	8	Q1E 80M8B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
0.37	2	Q1E 63M2C	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	140	95	115	0	10
	2	Q1E 71M2A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	4	Q1E 71M4B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	6	Q1E 80M6A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	8	Q1E 90S8A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
0.55	2	Q1E 71M2B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	4	Q1E 71M4C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	4	Q1E 80M4A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	6	Q1E 80M6B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	8	Q1E 90L8A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
0.75	2	Q1E 71M2C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	2	Q1E80M2A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	4	Q1E80M4B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	6	Q1E90S6A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	8	Q1E 100L8A	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
1.1	2	Q1E 71M2D	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	160	110	130	0	10
	2	Q1E80M2B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	4	Q1E80M4C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	4	Q1E90S4A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	6	Q1E90L6B	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	8	Q1E 100L8B	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
1.5	2	Q1E80M2C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	4	Q1E80M4D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	2	Q1E90S2A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	4	Q1E90L4A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	6	Q1E100L6A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	8	Q1E 112M8A	Alüminyum	232	396	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
2.2	2	Q1E 80M2D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	200	130	165	0	12
	2	Q1E 90L2A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	4	Q1E90L4C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	4	Q1E100L4A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	6	Q1E112M6A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	8	Q1E 132S8B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
3	2	Q1E 90L2C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	4	Q1E90L4D	Alüminyum	193	344.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	200	130	165	0	12
	2	Q1E100L2A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	4	Q1E100L4B	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	6	Q1E132S6B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	8	Q1E 132M8A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15

TR ÜÇ FAZLI MOTORLAR IE1

EN THREE PHASE MOTORS IE1

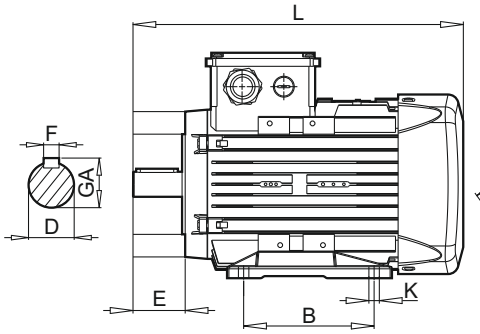
BOYUTLAR - B5, B35

				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FA) (B5)				
Güç (kW)	Kutup Sayısı	Motor Tipi	GövdeTipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
4	2	Q1E100L2C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	4	Q1E100L4C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	250	180	215	0	15
	2	Q1E112M2A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	4	Q1E112M4B	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	6	Q1E132M6A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	8	Q1E 160M8A	Alüminyum	302	576.0	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
5.5	2	Q1E112M2C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	4	Q1E112M4C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	2	Q1E132S2A	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	4	Q1E132S4C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	6	Q1E132M6B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	8	Q1E 160M8B	Alüminyum	302	576.0	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
7.5	2	Q1E112M2D	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	250	180	215	0	15
	2	Q1E132S2C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	4	Q1E132M4B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	6	Q1E160M6B	Alüminyum	302	576	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	8	Q1E 160L8A	Alüminyum	302	576	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
11	2	Q1E132M2A	Alüminyum	279	476	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	4	Q1E132M4C	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	300	230	265	0	15
	2	Q1E160M2A	Alüminyum	302	576	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	4	Q1E160M4B	Alüminyum	302	576	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	6	Q1E160L6B	Alüminyum	302	576	2*M32	254	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	8	Q1E 180L8B	Alüminyum	370	629	2*M40	279	279	180	428	15	48	110	52	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
15	2	Q1E160M2B	Alüminyum	302	576	2*M32	210	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	4	Q1E160L4A	Alüminyum	302	576	2*M32	254	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	6	Q1E180L6A	Alüminyum	370	629	2*M40	279	279	180	428	15	48	110	51.5	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
	8	Q1E 200L8C	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59.0	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
18.5	2	Q1E160L2A	Alüminyum	302	576	2*M32	254	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	4	Q1E160L4B	Alüminyum	302	576	2*M32	254	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	4	Q1E180M4B	Alüminyum	370	629	2*M40	241	279	180	428	15	48	110	51.5	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
	6	Q1E200L6B	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
	8	Q1E 225S8A	Alüminyum	456	765	2*M50	286	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
22	2	Q1E160L2C	Alüminyum	302	576	2*M32	254	254	160	360	15	42	110	45	12	6309-2Z	6209-2Z	45*72*10	45*72*10	350	250	300	0	19
	2	Q1E180M2A	Alüminyum	370	629	2*M40	241	279	180	428	15	48	110	51.5	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
	4	Q1E180L4B	Alüminyum	370	629	2*M40	279	279	180	428	15	48	110	51.5	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
	6	Q1E200L6C	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
	8	Q1E 225M8C	Alüminyum	456	765	2*M50	286	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
30	2	Q1E180M2AE	Alüminyum	370	629	2*M40	241	279	180	428	15	48	110	51.5	14	6310-2Z	6310-2Z	50*80*10	50*80*10	350	250	300	0	19
	2	Q1E200L2A	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
	4	Q1E200L4C	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
	6	Q1E225M6B	Alüminyum	456	765	2*M50	311	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
37	2	Q1E200L2B	Alüminyum	415	665	2*M50	305	318	200	461	19	55	110	59	16	6312-2Z	6312-2Z	60*90*10	60*90*10	400	300	350	0	19
	4	Q1E225S4A	Alüminyum	456	765	2*M50	286	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
45	2	Q1E225M2A	Alüminyum	456	735	2*M50	311	356	225	504	19	55	110	59	16	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
	4	Q1E225M4C	Alüminyum	456	765	2*M50	311	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
55	2	Q1E225M2C	Alüminyum	456	735	2*M50	311	356	225	504	19	55	110	59	16	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
	2	Q1E250M2A	Alüminyum	456	784	2*M50	349	406	250	529	24	60	140	64	18	6315	6313-2Z	75*112*12	65*100*13	550	450	500	0	19
	2	Q1E250M2A	Pik	527	886	2*M50	349	406	250	615	24	60	140	64	18	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	4	Q1E225M4D	Alüminyum	456	765	2*M50	311	356	225	504	19	60	140	64	18	6313-2Z	6313-2Z	65*100*13	65*100*13	450	350	400	0	19
	4	Q1E250M4C	Alüminyum	456	784	2*M50	349	406	250	529	24	65	140	69	18	6315	6313-2Z	75*112*12	65*100*13	550	450	500	0	19
	4	Q1E250M4C	Pik	527	886	2*M50	349	406	250	615	24	65	140	69	18	6316	6316	80*100*10	80*100*10	550	450	500	0	19
75	2	Q1E250M2B	Pik	527	886	2*M50	349	406	250	615	24	60	140	64	18	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	2	Q1E280M2A	Pik	527	1025	2*M50	419	457	280	647	24	70	140	74	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	4	Q1E250M4D	Pik	527	886	2*M50	349	406	250	615	24	65	140	69	18	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	4	Q1E280M4A	Pik	527	1025	2*M50	419	457	280	647	24	75	140	79	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19
90	2	Q1E280M2B	Pik	527	1025	2*M50	419	457	280	647	24	70	140	74	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	4	Q1E280M4B	Pik	527	1025	2*M50	419	457	280	647	24	75	140	79	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19
110	2	Q1E280M2C	Pik	527	1025	2*M50	419	457	280	647	24	70	140	74	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19
	4	Q1E280M4C	Pik	527	1025	2*M50	419	457	280	647	24	75	140	79	20	6316	6316	80*100*10	80*100*10	550	450	500	0	19

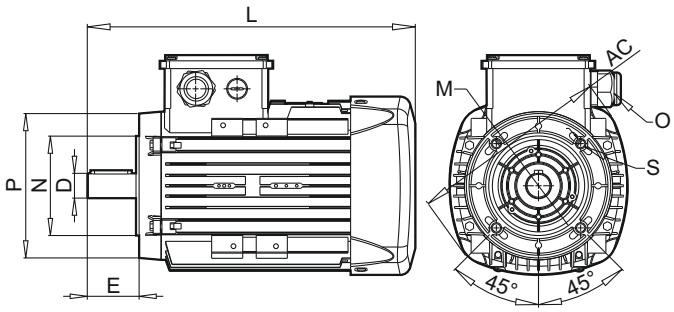
TR ÜÇ FAZLI MOTORLAR IE1

EN THREE PHASE MOTORS IE1

BOYUTLAR - B14a, B34a



B34 - V17 - V37



B14 - V18 - V19

				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FC) (B14a)				
Güç (kW)	Kutup Sayısı	Motor Tipi	Gövde Tipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
0.12	4	Q1E 63M4A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	90	60	75	0	M5
0.18	2	Q1E 63M2A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	90	60	75	0	M5
	4	Q1E 63M4B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	90	60	75	0	M5
	6	Q1E 71M6A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	8	Q1E 80M8A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
0.25	2	Q1E 63M2B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	90	60	75	0	M5
	4	Q1E 71M4A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	6	Q1E 71M6B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	8	Q1E 80M8B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
0.37	2	Q1E 63M2C	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	90	60	75	0	M5
	2	Q1E 71M2A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	4	Q1E 71M4B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	6	Q1E 80M6A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	8	Q1E 90S8A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
0.55	2	Q1E 71M2B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	4	Q1E 71M4C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	4	Q1E 80M4A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	6	Q1E 80M6B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	8	Q1E 90L8A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
0.75	2	Q1E 71M2C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	2	Q1E80M2A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	4	Q1E80M4B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	6	Q1E90S6A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	8	Q1E 100L8A	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
1.1	2	Q1E 71M2D	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	105	70	85	0	M6
	2	Q1E80M2B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	4	Q1E80M4C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	4	Q1E90S4A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	6	Q1E90L6B	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	8	Q1E 100L8B	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
1.5	2	Q1E80M2C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	4	Q1E80M4D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	2	Q1E90S2A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	4	Q1E90L4A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	6	Q1E100L6A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	8	Q1E 112M8A	Alüminyum	232	396	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
2.2	2	Q1E 80M2D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	120	80	100	0	M6
	2	Q1E 90L2A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	4	Q1E90L4C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	4	Q1E100L4A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	6	Q1E112M6A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	8	Q1E 132S8B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6"
(2) DIN 6885'e göre
(3) Tolerans DIN EN 50347 "j6"

TR ÜÇ FAZLI MOTORLAR IE1

EN THREE PHASE MOTORS IE1

BOYUTLAR - B14a, B34a

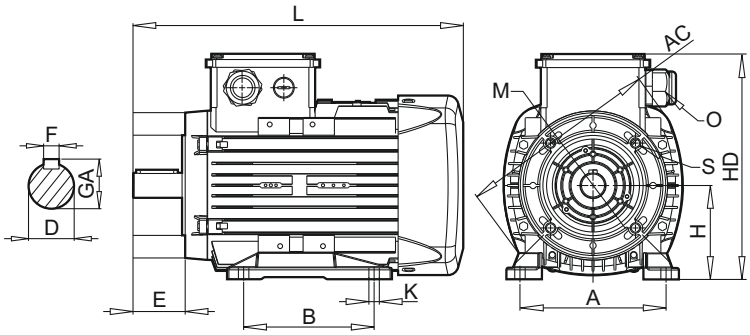
				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FC) (B14a)				
Güç (kW)	Kutup Sayısı	Motor Tipi	GövdeTipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
3	2	Q1E 90L2C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	4	Q1E90L4D	Alüminyum	193	344.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	140	95	115	0	M8
	2	Q1E100L2A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	4	Q1E100L4B	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	6	Q1E132S6B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
	8	Q1E 132M8A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
4	2	Q1E100L2C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	4	Q1E100L4C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	160	110	130	0	M8
	2	Q1E112M2A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	4	Q1E112M4B	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	6	Q1E132M6A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
5.5	2	Q1E112M2C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	2	Q1E132S2A	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
	4	Q1E112M4C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	4	Q1E132S4C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
	6	Q1E132M6B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
7.5	2	Q1E112M2D	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	160	110	130	0	M8
	2	Q1E132S2C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
	4	Q1E132M4B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
11	2	Q1E132M2A	Alüminyum	279	476	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10
	4	Q1E132M4C	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	200	130	165	0	M10

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6"
(2) DIN 6885'e göre
(3) Tolerans DIN EN 50347 "j6"

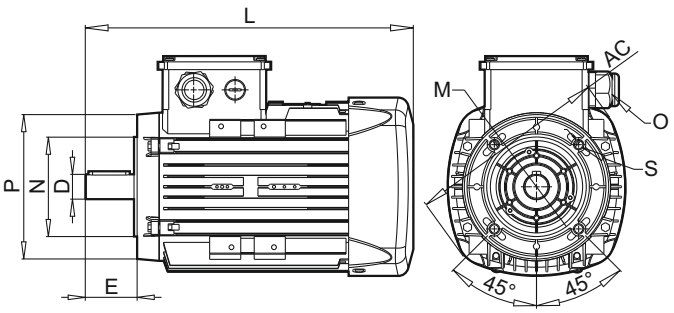
TR ÜÇ FAZLI MOTORLAR IE1

EN THREE PHASE MOTORS IE1

BOYUTLAR - B14b, B34b



B34 - V17 - V37



B14 - V18 - V19

				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FB) (B14b)				
Güç (kW)	Kutup Sayısı	Motor Tipi	Gövde Tipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
0.12	4	Q1E 63M4A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	120	80	100	0	M6
0.18	2	Q1E 63M2A	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	120	80	100	0	M6
	4	Q1E 63M4B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	120	80	100	0	M6
	6	Q1E 71M6A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	8	Q1E 80M8A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
0.25	2	Q1E 63M2B	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	120	80	100	0	M6
	4	Q1E 71M4A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	6	Q1E 71M6B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	8	Q1E 80M8B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
0.37	2	Q1E 63M2C	Alüminyum	123	219.5	1*M20	80	100	63	174	7	11	23	12.5	4	6201-2Z	6201-2Z	12*22*7	12*22*7	120	80	100	0	M6
	2	Q1E 71M2A	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	4	Q1E 71M4B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	6	Q1E 80M6A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	8	Q1E 90S8A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
0.55	2	Q1E 71M2B	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	4	Q1E 71M4C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	4	Q1E 80M4A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	6	Q1E 80M6B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	8	Q1E 90L8A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
0.75	2	Q1E 71M2C	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	2	Q1E80M2A	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	4	Q1E80M4B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	6	Q1E90S6A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	8	Q1E 100L8A	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
1.1	2	Q1E 71M2D	Alüminyum	138	252.5	1*M20	90	112	71	190	7	14	30	16	5	6202-2Z	6202-2Z	15*24*5	15*24*5	140	95	115	0	M8
	2	Q1E80M2B	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	4	Q1E80M4C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	4	Q1E90S4A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	6	Q1E90L6B	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	8	Q1E 100L8B	Alüminyum	217	352.0	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
1.5	2	Q1E80M2C	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	4	Q1E80M4D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	2	Q1E90S2A	Alüminyum	193	296.5	1*M25	100	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	4	Q1E90L4A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	6	Q1E100L6A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	8	Q1E 112M8A	Alüminyum	232	396	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
2.2	2	Q1E 80M2D	Alüminyum	158	283.5	1*M20	100	125	80	195	10	19	40	21.5	6	6204-2Z	6204-2Z	20*30*7	20*30*7	160	110	130	0	M8
	2	Q1E 90L2A	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	4	Q1E90L4C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	4	Q1E100L4A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	6	Q1E112M6A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	8	Q1E 132S8B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	160	110	130	0	M8

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6", 28 mm ve üzeri "k6"
(2) DIN 6885'e göre
(3) Tolerans DIN EN 50347 "j6"

TR ÜÇ FAZLI MOTORLAR IE1

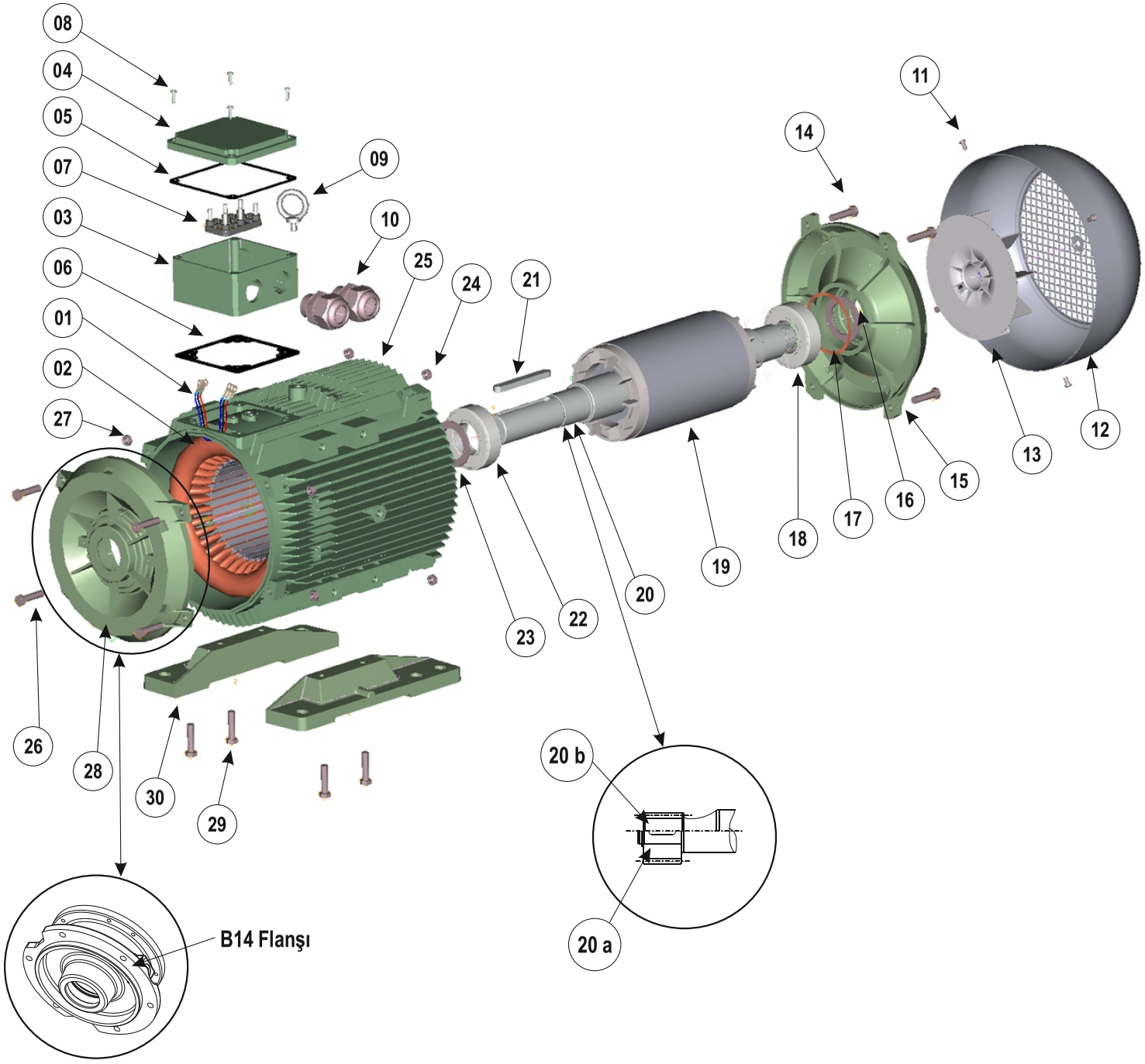
EN THREE PHASE MOTORS IE1

BOYUTLAR - B14b, B34b

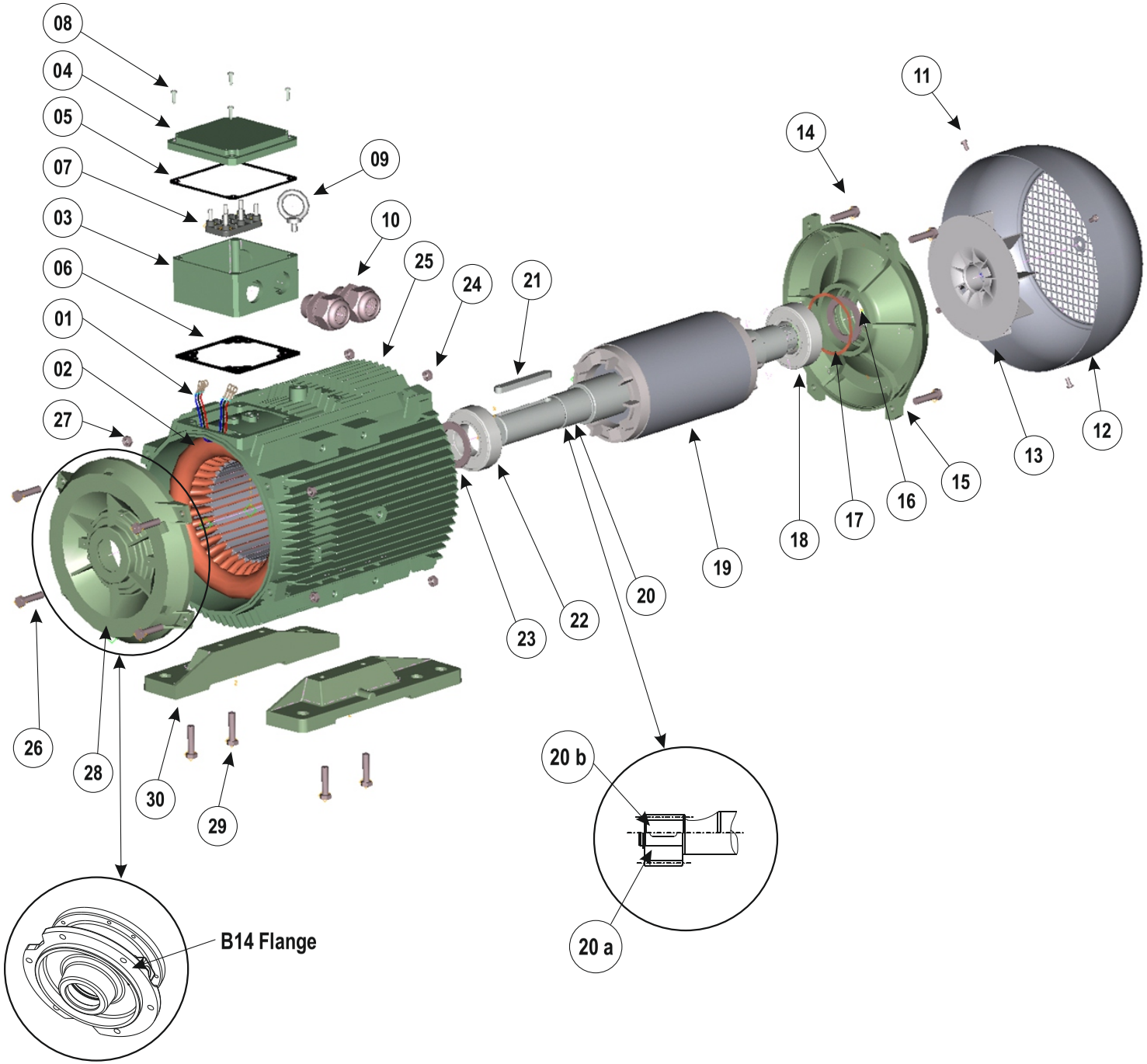
				Ana Boyutlar			Ayaklı Motorlar					Mil				Rulman		Keçe		Flanş (FB) (B14b)				
Güç (kW)	Kutup Sayısı	Motor Tipi	Gövde Tipi	AC	L	O	B	A	H	HD	K	D(1)	E	GA	F(2)	Kasnak Tarafı	Kasnak Tarafı Aksi	Kasnak Tarafı	Kasnak Tarafı Aksi	P	N(3)	M	R	S
3	2	Q1E 90L2C	Alüminyum	193	316.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	4	Q1E90L4D	Alüminyum	193	344.5	1*M25	125	140	90	222	10	24	50	27	8	6305-2Z	6205-2Z	25*40*7	25*40*7	160	110	130	0	M8
	2	Q1E100L2A	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	4	Q1E100L4B	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	6	Q1E132S6B	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
	8	Q1E 132M8A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
4	2	Q1E100L2C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	4	Q1E100L4C	Alüminyum	217	352	1*M25	140	160	100	241	12	28	60	31	8	6306-2Z	6205-2Z	30*47*7	25*40*7	200	130	165	0	M10
	2	Q1E112M2A	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	4	Q1E112M4B	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	6	Q1E132M6A	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
5.5	2	Q1E112M2C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	2	Q1E132S2A	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
	4	Q1E112M4C	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	4	Q1E132S4C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
	6	Q1E132M6B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
7.5	2	Q1E112M2D	Alüminyum	232	395.5	2*M25	140	190	112	261	12	28	60	31	8	6306-2Z	6206-2Z	30*47*7	30*47*7	200	130	165	0	M10
	2	Q1E132S2C	Alüminyum	279	440.5	2*M32	140	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
	4	Q1E132M4B	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
11	2	Q1E132M2A	Alüminyum	279	476	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15
	4	Q1E132M4C	Alüminyum	279	475.5	2*M32	178	216	132	314	12	38	80	41	10	6208-2Z	6208-2Z	40*62*10	40*62*10	250	180	215	0	M12 veya 15

(1) Toleranslar 28 mm'ye kadar DIN EN 50347 "j6 , 28 mm ve üzeri "k6"
(2) DIN 6885'e göre
(3) Tolerans DIN EN 50347 "j6"

MOTOR PARÇA LİSTESİ



01. Kamçı grubu
02. Sargılı stator
03. Terminal kutusu
04. Terminal kutu kapağı
05. Terminal contası alt
06. Terminal contası üst
07. Klemens plakası
08. Terminal kutu vidaları
09. Kaldırma halkası
10. Rakor
11. Fan kapağı vidaları
12. Fan kapağı
13. Fan
14. Arka kapak vidaları
15. Motor arka kapağı
16. Keçe (arka)
17. Rulman gergi yayı
18. Arka rulman
19. Rotor
20. Mil
a. Çakma
b. Yekpare
21. Kama
22. Ön rulman
23. Keçe (ön)
24. Arka kapak bağlantı somun
25. Gövde
26. Ön kapak vidaları
27. Ön kapak bağlantı somunu
28. Ön kapak
29. Ayak bağlantı vidası
30. Ayak



MOTOR PART LIST

01. Lead cables
02. Wound stator
03. Terminal box
04. Terminal box cover
05. Terminal gasket down
06. Terminal gasket up
07. Terminal plate
08. Terminal box screws
09. Eyebolt
10. Conduit
11. Fan cover screws
12. Fan cover
13. Fan
14. Endshield screws
15. Nondrive- endshield
16. Seal ring (back)
17. Bearing shim
18. Bal bearing (non-drive-side)
19. Rotor
20. Shaft
a. Drive Shaft (plain)
b. Drive Shaft (gearcut)
21. Key
22. Ballbearing (drive-side)
23. Seal ring (front)
24. Bolt nut (endshield)
25. Housing
26. Endshield screws (drive-side)
27. Bolt nut (drive endshield)
28. Drive endshield
29. Foot screws
30. Foot