

Döküm Gövde
Konik Helisel Dişli Redüktörler
Cast Iron Helical Bevel Gearboxes



09
2017

DİĞER ÜRÜNLERİMİZ
OUR OTHER PRODUCTS



HE-MHE-KH-MKH
Serisi Ürün Kataloğu | Series Product Catalogue

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2014

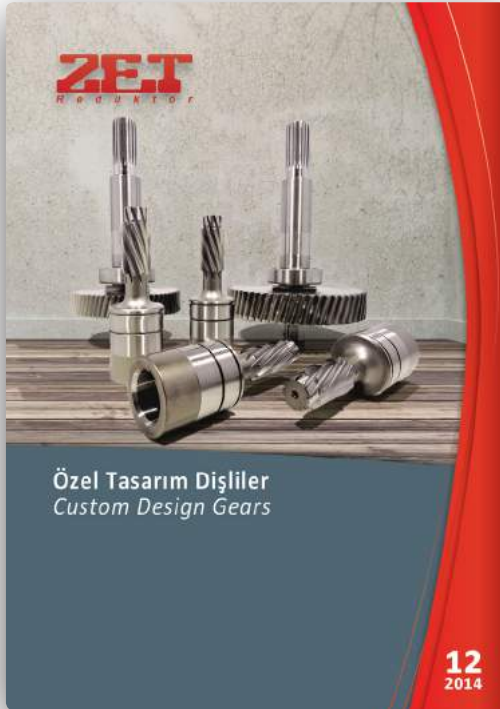
HE-MHE-KH-MKH
Serisi Ürün Kataloğu | Series Product Catalogue



Ekstruder Extruder
Serisi Ürün Kataloğu | Series Product Catalogue

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Ekstruder Extruder
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Özel Tasarım Dişliler
Custom Design Gears

12
2014

Özel Tasarım Dişliler
Custom Design Gears



Özel Tasarım Redüktörler
Custom Design Gearboxes

11
2014

Özel Tasarım Redüktörler
Custom Design Gearboxes

Konik Helisel Dişli Redüktörler / Cast Iron Helical Bevel Gearbox

Tek Parça Alüminyum Alaşım Gövde

MIL-STD 276 standardına göre üretilmiş gövde için herhangi bir ikincil yüzey işlemine gerek yoktur. Yüzeyler boyanabilir.

Alloy housing

Is vacuum impregnated (MIL-STD 276) for protection and sealing. No secondary finish required but readily accepts paint.

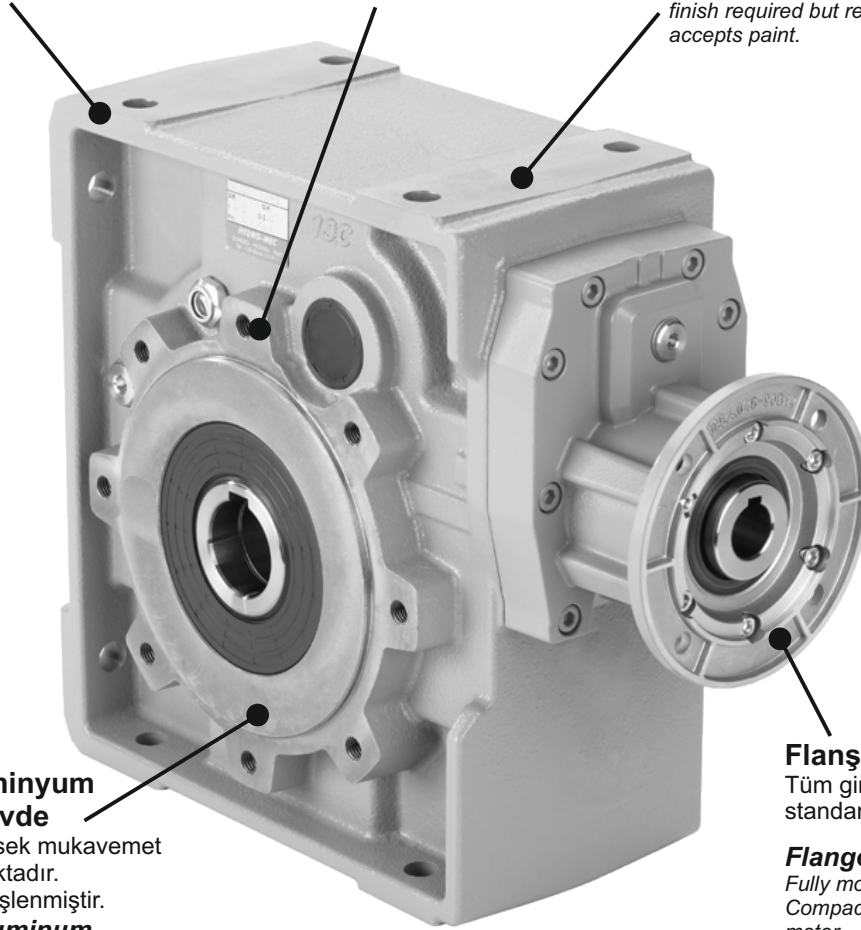
Dişliler

Isıl işlem görmüş ve hassas profil taşlanmıştır.

Gears

Hardened and ground gears

De-Monte edilebilir kapak Removable inspection cover



Tek Parça Alüminyum Alaşım Gövde

Hafif gövde yapısı ve yüksek mukavemet birlikte sunulmaktadır.

Yüksek hasssiyette işlenmiştir.

Single-piece aluminum

Combines light weight with high tensile strength. Precision machined for alignment of bearings and gearing

Flanş

Tüm giriş flanşları IEC standardına uygundur.

Flange

Fully modular to IEC and Compact integrated motor. NEMA C flange

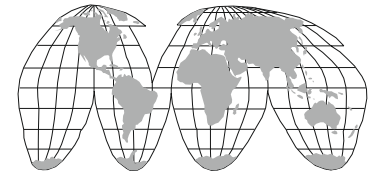
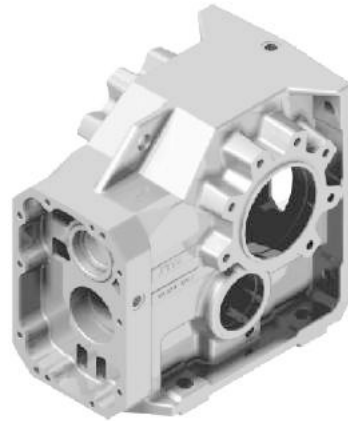
Tek Parça Döküm Gövde

Hafif gövde yapısı ve yüksek mukavemet birlikte sunulmaktadır.

Yüksek hasssiyette işlenmiştir.

Cast Iron housing

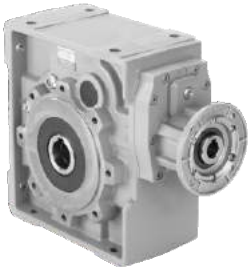
With high tensile strength. Precision machined for alignment of bearings and gearing



Yaygın Satış Ağı
World wide sales network.

Konik Helisel Dişli Redüktörler / Helical-Bevel Gearboxes

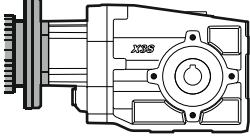
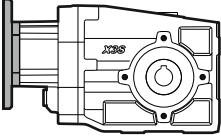
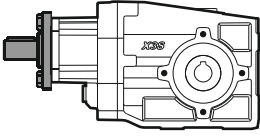
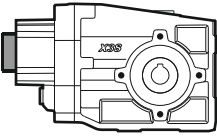
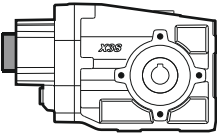
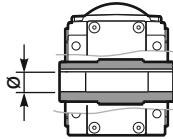
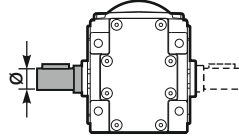
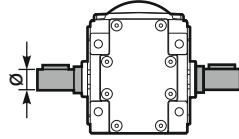
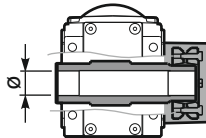
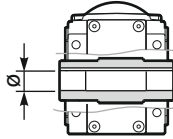
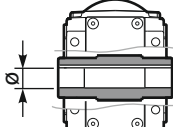
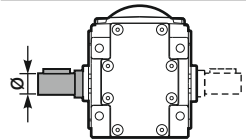
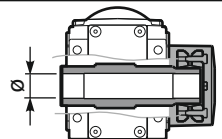
Sayfa / On page



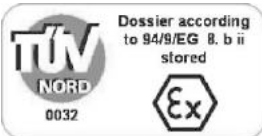
Tip / Types →

| 8-5 | 8-7 | 8-9 | 8-11 |
|----------------------|----------------------|-----------------------|-----------------------|
| | | | |
| 113C 675Nm | 114C 675Nm | 133C 1000Nm | 134C 1000Nm |

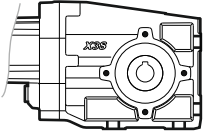
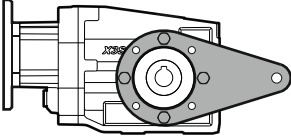
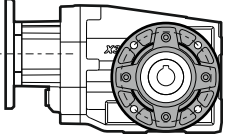
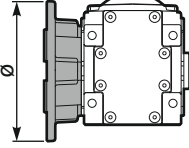
NASIL SİPARİŞ EDİLİR / HOW TO ORDER

| Tip / Type | Gövde Büyüklüğü / Size | Montaj Şekli / Mounting | Tahvil- Ratio | Çıkış Mili / Output shaft |
|--|--|--|---|---|
| <p>M</p> <p>Konik Helisel Dişli Redütörler Helical-bevel gear</p>  <p>IEC motorlu M</p>  <p>Motor Flanşlı P</p>  <p>Dolu Mil girişli R</p>  <p>Temel Redüktör B</p>  | <p>134C</p> <p>3 Kademe Stages 4 Kademe Stages</p> <p>Döküm gövde Cast Iron</p> <p>113C 133C</p> <p>114C 134C</p> | <p>C</p>  <p>Delik Mil Çıkışlı C</p>  <p>Dolu Mil Çıkışlı A</p>  <p>Çift çıkış milinin uygun olduğu tipler 113/4C, 133/4C ve X93/4C B</p>  <p>Sıkma Bileziği (Yalnızca DX yönünde) D</p> <p>Taleplerinizi adet bilgisi ile birlikte iletiniz. Only on request for Q.ty</p>  <p>Paslanmaz mil çıkışlı I</p> <p>Paslanmaz mil çıkışlı Stainless steel hub</p> <p>Taleplerinizi adet bilgisi ile birlikte iletiniz. Only on request for Q.ty</p> | <p>91.2</p> <p>Ölçü sayfalarına bakınız See technical data table</p> | <p>-F</p>  <p>→ STANDART</p> <p>Delik Mil Çıkışlı</p> <p>113C 114C -F → $\varnothing 40$ -G → $\varnothing 42$</p> <p>133C 134C -F → $\varnothing 40$ -H → $\varnothing 45$</p>  <p>Tek ve Çift Çıkış Mili</p> <p>-V 113/4C → $\varnothing 40^*$ -O 113/4C → $\varnothing 42^*$ -P 133/4C → $\varnothing 45^*$</p> <p>Çift çıkış mili opsiyonu</p>  <p>Sıkma Bilezikli</p> <p>-S X62/3A 113/4C → $\varnothing 40$ -6 133/4C → $\varnothing 45$</p> |

Ürünlerimiz isteğe bağlı olarak ATEX standartlarında tedarik edilebilir.
On request we can deliver our products according to the ATEX



NASIL SİPARİŞ EDİLİR / HOW TO ORDER

| Tip / Type | Çıkış Flanşı Output flange | Motor Büyüklüğü / Motor size | Terminal Kutusu Pozisyonu Terminal box position | Montaj Pozisyonu Mountin position | |
|--|---|--|---|--|--|
| BR | N | -O | B | B3 | |
|  <p>FB Temel Tip Form base</p>  <p>BR Tork Kolu Reaction arm</p>  <p>-F Çıkış Flanşı output flange</p> |  <p>113C 114C</p> <p>C ⇒ Ø280 L ⇒ Ø280</p> <p>133C 134C</p> <p>C ⇒ Ø320</p> | <p>Flanş Flange</p> <p>B5</p> <p>-A=56 (Ø120) -B=63 (Ø140) -C=71 (Ø160) -D=80 (Ø200) -E=90 (Ø200) -F=100+112 (Ø250) -G=132 (Ø300) -H=160 (Ø350) -I=180 (Ø350) -L=200 (Ø400) CA=225 (Ø450)</p> <p>B14</p> <p>-O=56 (Ø80) -P=63 (Ø90) -Q=71 (Ø105) -R=80 (Ø120) -T=90 (Ø140) -U=100+112 (Ø160) -V=132 (Ø200)</p> <p>Tip R Type R</p> <p>114C 134C</p> <p>-2 ⇒ Ø19</p> <p>113C 133C</p> <p>-3 ⇒ Ø24</p> | <p>Flanşsız Without flange</p> <p>X32S X42A X53A X63A 114C 134C</p> <p>-1 ⇒ Ø14 (71B5) -2 ⇒ Ø19 (80B5) -3 ⇒ Ø24 (90B5)</p> <p>X52A X62A 113C 133C X94C</p> <p>-2 ⇒ Ø19 (80B5) -3 ⇒ Ø24 (90B5) -4 ⇒ Ø28 (100B5)</p> | <p>A</p> <p>B STANDART</p> <p>C</p> <p>D</p> | <p>B3 STANDART</p> <p>B6</p> <p>B7</p> <p>B8</p> <p>V5</p> <p>V6</p> <p>V8 Sadece dikey pozisyonlar için belirtilmiştir Specify only for vertical positions</p> |

GEREKLİ FORMÜLLER / USEFUL FORMULAS

GEREKLİ GÜÇ / REQUIRED POWER

Kaldırma / Lifting

$$P [KW] = \frac{M [Kg] \cdot g [9.81] \cdot v [m / s]}{1000}$$

Döndürme / Rotation

$$P [KW] = \frac{M [Nm] \cdot n [d/d]}{9550}$$

Doğrusal hareket / Linear movement

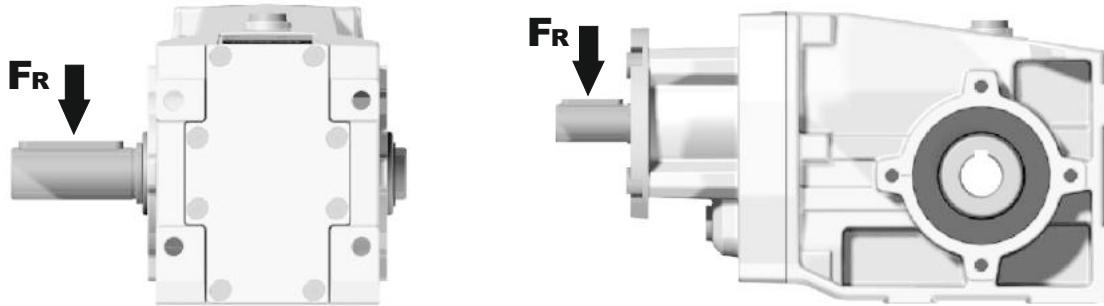
$$P [KW] = \frac{F [N] \cdot v [m / s]}{1000}$$

MOMENT / TORQUE

$$M [Nm] = \frac{9550 \cdot P [KW]}{n [d/d]}$$

RADYAL YÜKLER / RADIAL LOADS

- Radyal yükler giriş ve çıkış milinde harici güç aktarım elemanları tarafından oluşturulur
- Radial load generated by external transmissions keyed onto input and/or output shafts.

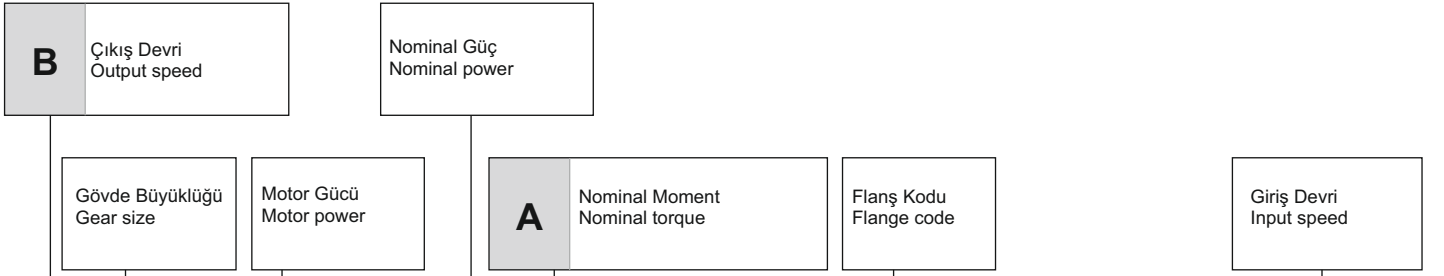


$$F_R [N] = \frac{M [Nm] \cdot 2000}{d [mm]} \cdot f_k$$

| | |
|----------------------|---|
| M | Çıkış momenti / Output torque |
| d | Güç aktarım elemanı çapı / Diameter of driving element |
| f_k | Düzeltilme katsayısı / Factor 1.15 Dişli / Gearwheels 1.25 Zincir Dişli / Chain sprochets 1.75 V kayış / Narrow v-belt pulley 2.50 Düz kayış / Flat-belt pulley |

- Daha yüksek radyal yükler için teknik ofisimiz ile iletişime geçiniz.
- If your application requires higher radial loads, contact our technical office. Higher load may be possible.

REDÜKTÖR SEÇİMİ NASIL YAPILIR / HOW TO SELECT A GEARBOX



113C

Konik Helisel Dişli
Redüktörler
Angletech Gear
675Nm

ZET
Redüktör

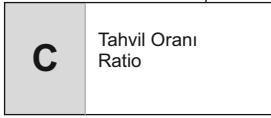
PERFORMANS TABLOLARI-DÖKÜM
RATING-CAST IRON HELICAL-BEVEL GEARBOXES



HIZLI SEÇİM / Quick Selection

Giriş devri (n_1) = 1400 d/d

| Çıkış devri n_2 [d/d] | Tahvil i | Motor gücü P_{1M} [kW] | Çıkış momenti M_{2M} [Nm] | Servis Faktörü $f.s.$ | Nominal Güç P_{1R} [kW] | Nominal Moment M_{2R} [Nm] | Uygun B5 motor flanşları | | | | | Uygun B14 motor flanşları | | | | Çıkış mil çapı \varnothing | Tahvil kodu |
|-------------------------------|---------------|--------------------------------|-----------------------------------|--------------------------|---------------------------------|------------------------------------|--------------------------|----|----|-----|-----|---------------------------|----|----|-----|---------------------------------|-------------|
| | | | | | | | -C | -D | E | -F | -G | -R | -T | -U | -V | | |
| | | | | | | | 71 | 80 | 90 | 100 | 112 | 132 | 80 | 90 | 100 | | |
| 176 | 7.94 | 7.5 | 369 | 1.0 | 7.5 | 380 | B | | | | | | | | | 302418 | 01 |
| 153 | 9.13 | 7.5 | 425 | 0.9 | 6.7 | 390 | B | | | | | | | | | 302416 | 02 |
| 131 | 10.66 | 5.5 | 366 | 1.1 | 6.0 | 410 | B | | | | | | | | | 302414 | 03 |
| 94 | 14.97 | 5.5 | 514 | 1.1 | 6.0 | 580 | B | | | | | | | | | 202418 | 04 |



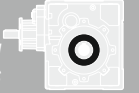
Çıkış mili çapı
Output shaft diameter

Notlar
Notes

| fs | | Günlük Çalışma Süresi Oper. hours per day | | |
|--|---------------------------------|--|-------|-------|
| Yük Sınıfı ve Saatteki Dur-Kalk Sayısı Type of load and starts per hour | | 3 sa | 10 sa | 24 sa |
| Sürekli yada Aralıklı Çalışmada Dur-Kalk Sayısı / Saat ≤ 10 Application with start / stop | Düzgün Yükleme / Uniform | 0.8 | 1 | 1.25 |
| | Orta Darbeli Yükleme / Moderate | 1 | 1.25 | 1.5 |
| | Ağır Yükleme / Heavy | 1.25 | 1.5 | 1.75 |
| Aralıklı Çalışmada Dur-Kalk Sayısı / Saat > 10 Intermittent application with start / hour | Düzgün Yükleme / Uniform | 1 | 1.25 | 1.5 |
| | Orta Darbeli Yükleme / Moderate | 1.25 | 1.5 | 1.75 |
| | Ağır Yükleme / Heavy | 1.5 | 1.75 | 2.15 |

| | | |
|-----------|---|--|
| D | Standart motor flanşı Motor flange available | |
| B) | Burç ile montajı yapılabilir Mounting with reduction ring | |
| C) | Terminal kutusu flanş pozisyonu Motor flangeholes position/terminal box position | |
| B) | Burç kullanılmadan montajı yapılabilir Available without reduction bushes | |

| | | |
|----------|---|--|
| A | Servis faktörüne bağlı gerekli moment belirlenir | Select required torque (according to service factor) |
| B | Gerekli çıkış devri belirlenir | Select output speed |
| C | Aynı satırda belirlenen redüktörün tahvil oranı görülebilir | On the same line of selected geared motor, you can find the gear ratio |
| D | Uygun motor flanşı belirlenir (Gerekli olduğu durumlarda) | Select motor flange available (if requested) |



HIZLI SEÇİM / Quick Selection

Giriş devri (n₁) = 1400 d/d

| Çıkış devri n ₂ [d/d] | Tahvil i | Motor gücü P _{1M} [kW] | Çıkış momenti M _{2M} [Nm] | Servis Faktörü f.s. | Nominal Güç P _{1R} [kW] | Nominal Moment M _{2R} [Nm] | Uygun B5 motor flanşları | | | | | Uygun B14 motor flanşları | | | | Çıkış mil çapı | Tahvil kodu | |
|--|-------------|---------------------------------------|--|------------------------|--|---|--------------------------|----|----|------------|-----|---------------------------|----|------------|-----|----------------|-------------|----|
| | | | | | | | -C | -D | -E | -F | -G | -R | -T | -U | -V | | | |
| | | | | | | | 71 | 80 | 90 | 100 112 | 132 | 80 | 90 | 100 112 | 132 | | | |
| 176 | 7.94 | 7.5 | 369 | 1.0 | 7.5 | 380 | B | | | | | | | | | | 302418 | 01 |
| 153 | 9.13 | 7.5 | 425 | 0.9 | 6.7 | 390 | B | | | | | | | | | | 302416 | 02 |
| 131 | 10.66 | 5.5 | 366 | 1.1 | 6.0 | 410 | B | | | | | | | | | | 302414 | 03 |
| 94 | 14.97 | 5.5 | 514 | 1.1 | 6.0 | 580 | B | | | | | | | | | | 202418 | 04 |
| 81 | 17.21 | 5.5 | 591 | 1.0 | 5.4 | 600 | B | | | | | | | | | | 202416 | 05 |
| 69 | 20.24 | 5.5 | 695 | 1.0 | 5.2 | 675 | B | | | | | | | | | | 162418 | 06 |
| 60 | 23.27 | 4 | 585 | 1.2 | 4.5 | 675 | B | | | | | | | | | | 162416 | 07 |
| 53 | 26.31 | 4 | 661 | 1.0 | 4.0 | 675 | B | | | | | | | | | | 132418 | 08 |
| 46.3 | 30.25 | 4 | 760 | 0.9 | 3.5 | 675 | B | | | | | | | | | | 132416 | 09 |
| 39.6 | 35.32 | 3 | 668 | 1.0 | 3.0 | 675 | B | | | | | | | | | | 132414 | 10 |
| 37.8 | 37.03 | 3 | 701 | 1.0 | 2.8 | 675 | B | | | | | | | | | | 112416 | 11 |
| 32.4 | 43.23 | 2.2 | 602 | 1.1 | 2.4 | 675 | B | | | | | | | | | | 112414 | 12 |
| 30.1 | 46.58 | 2.2 | 649 | 1.0 | 2.3 | 675 | B | | | | | | | | | | 82418 | 13 |
| 26.1 | 53.55 | 2.2 | 746 | 0.9 | 2.0 | 675 | B | | | | | | | | | | 82416 | 14 |
| 22.4 | 62.52 | 1.5 | 600 | 1.1 | 1.7 | 675 | B | | | | | | | | | | 82414 | 15 |
| 19.0 | 73.75 | 1.1 | 517 | 1.1 | 1.2 | 580 | B | | | | | | | | | | 62416 | 16 |
| 16.3 | 86.09 | 1.1 | 604 | 1.1 | 1.2 | 675 | B | | | | | | | | | | 62414 | 17 |

Dinamik verim tüm tahvil oranları için **0,94**'dür

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

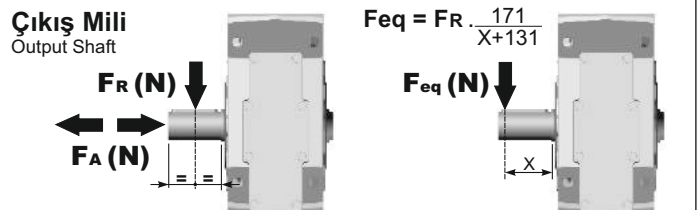
TR 113C Redüktörler ömürlük sentetik yağ ile yağlanmıştır ve bakım gerektirmez. Tablo 1'de uygun yağlar ve yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve aksel yük değerleri tanımlanmıştır.

EN Unit 113C is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

| Standart | Diğer montaj pozisyonlarını siparişte belirtiniz veya uygun miktarda yağ ekleyiniz. For these mounting position specify in the order or add oil | | | | | |
|---------------------|--|---------|-----------------------|---------|---------|---------|
| | | | | | | |
| 4.00 LT | 2.60 LT | 2.60 LT | 2.60 LT | 5.15 LT | 2.20 LT | Sorunuz |
| AGIP Telium VSF 320 | | | SHELL Omala S4 WE 320 | | | |

Daha fazla ayrıntı için internet sitemizi inceleyiniz. **Tablo 1**
For all details on lubrication and plugs check our website

RADYAL VE EKSESEL YÜKLER / RADIAL AND AXIAL LOADS

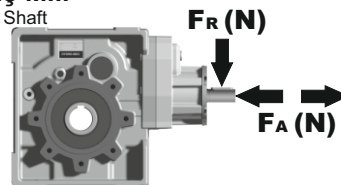


| n ₂ | FA | FR | n ₂ | FA | FR | n ₂ | FA | FR |
|----------------|-----|------|----------------|------|------|----------------|------|------|
| 300 | 640 | 3200 | 140 | 860 | 4300 | 70 | 1080 | 5400 |
| 250 | 700 | 3500 | 120 | 900 | 4500 | 40 | 1300 | 6500 |
| 200 | 740 | 3700 | 85 | 1000 | 5000 | 15 | 1840 | 9200 |

İsteğe bağlı olarak radyal ve aksel yükleri karşılamak için güçlendirilmiş rulman opsiyonu.
On request reinforced bearings to increase loads.

Giriş Mili

Input Shaft



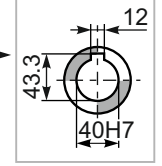
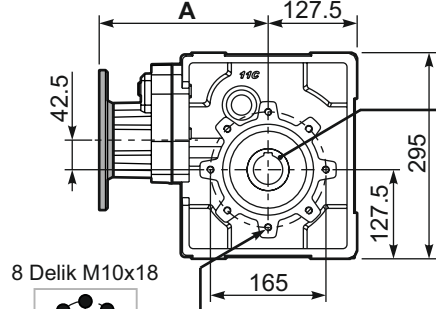
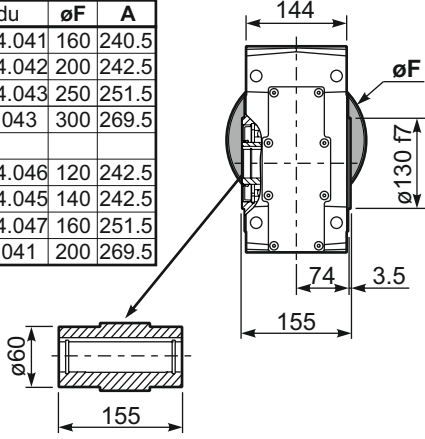
| n ₁ | FA | FR |
|----------------|-----|------|
| 1400 | 400 | 2000 |
| 900 | 440 | 2200 |
| 500 | 440 | 2200 |

Tablo 2

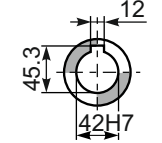
P113CC... Standart redüktör
Basic gearbox

Ağırlık
Gearbox
weight **38.0 kg**

| M. flanşları | Kit Kodu | øF | A |
|--------------|-------------|-----|-------|
| 71B5 | KC023.4.041 | 160 | 240.5 |
| 80/90B5 | KC023.4.042 | 200 | 242.5 |
| 100/112B5 | KC023.4.043 | 250 | 251.5 |
| 132B5 | KC50.4.043 | 300 | 269.5 |
| 80B14 | KC085.4.046 | 120 | 242.5 |
| 90B14 | KC085.4.045 | 140 | 242.5 |
| 100/112B14 | KC085.4.047 | 160 | 251.5 |
| 132B14 | KC50.4.041 | 200 | 269.5 |



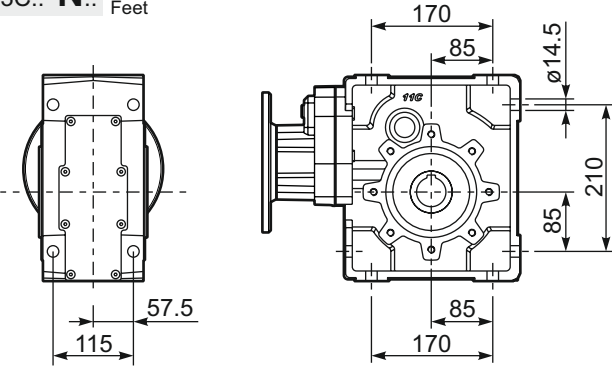
Delik Mil
Hollow Shaft



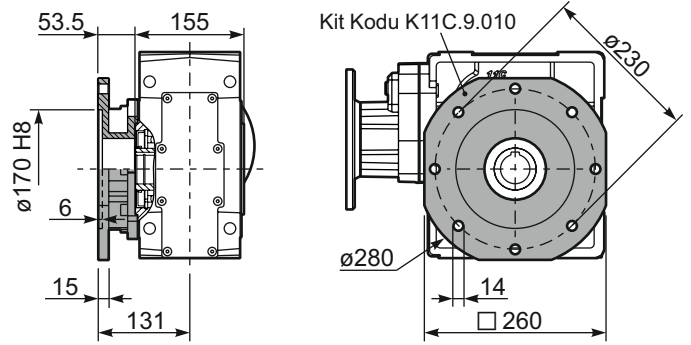
Özel
On request

Montaj Pozisyonu Delik
Pozisyonları
Mounting holes
position

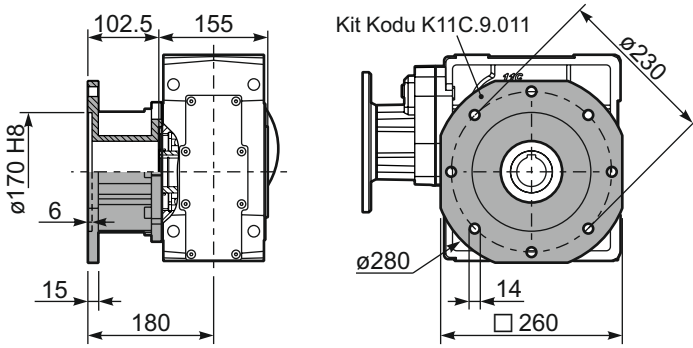
P113C..-N.. Ayak
Feet



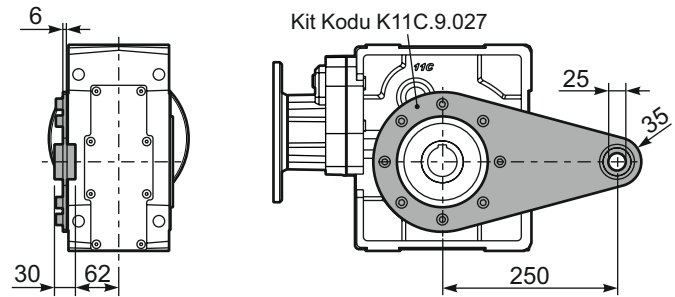
P113C-FC.. Çıkış flanşı
Output flanges



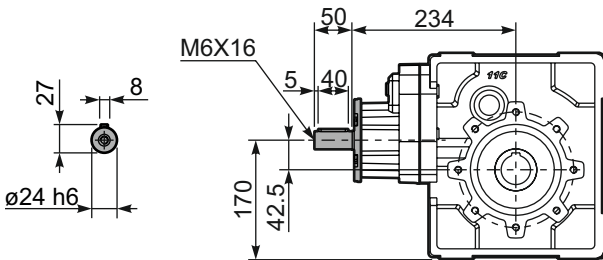
P113C-FL.. Çıkış flanşı
Output flanges



P113C BR.. Tork Kolu
Reaction Arm

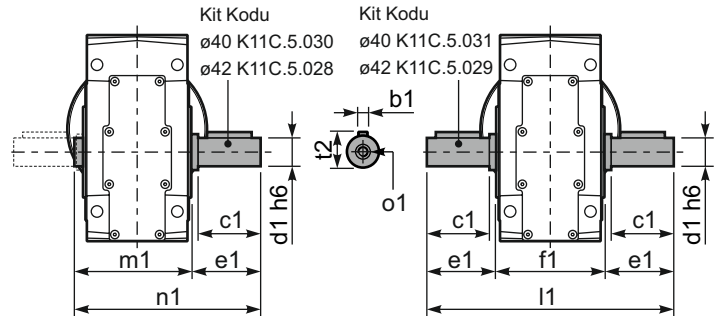


R113C... Giriş Mili
Input shaft

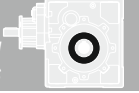


P113C..A.. Tek Çıkış Mili
Single Shaft

P113C..B.. Çift Çıkış Mili
Double Shaft



| | b1 | c1 | d1 | e1 | f1 | l1 | m1 | n1 | t2 | o1 |
|-----------------|----|----|----|------|-----|-----|-------|-----|----|-----|
| ø40 Standart | 12 | 80 | 40 | 84.5 | 155 | 324 | 164.5 | 249 | 43 | M12 |
| ø42 Özel | 12 | 80 | 42 | 84.5 | 155 | 324 | 164.5 | 249 | 45 | M16 |



HIZLI SEÇİM / Quick Selection

Giriş devri (n₁) = 1400 d/d

| Çıkış devri n ₂ [d/d] | Tahvil i | Motor gücü P _{1M} [kW] | Çıkış momenti M _{2M} [Nm] | Servis Faktörü f.s. | Nominal Güç P _{1R} [kW] | Nominal Moment M _{2R} [Nm] | Uygun B5 motor flanşları | | | | Uygun B14 motor flanşları | | | Çıkış mil çapı Ø | Tahvil kodu |
|--|---------------|---------------------------------------|--|------------------------|--|---|--------------------------|----|----|----|---------------------------|----|------|---------------------|-------------|
| | | | | | | | -B | -C | -D | -E | -Q | -R | -T | | |
| | | | | | | | 63 | 71 | 80 | 90 | 71 | 80 | 90 | | |
| 18.7 | 74.79 | 1.5 | 704 | 1.0 | 1.4 | 675 | B | | | | C | C | | 19132418 | 01 |
| 16.3 | 85.99 | 1.1 | 591 | 1.1 | 1.3 | 675 | B | | | | C | C | | 19132416 | 02 |
| 14.0 | 99.66 | 1.1 | 685 | 1.0 | 1.1 | 675 | B | | | | C | C | | 17132416 | 03 |
| 12.0 | 116.35 | 0.75 | 548 | 1.2 | 0.92 | 675 | B | | | | C | C | | 17132414 | 04 |
| 11.5 | 121.45 | 0.75 | 572 | 1.2 | 0.89 | 675 | B | | | | C | C | | 13132418 | 05 |
| 10.0 | 139.64 | 0.75 | 658 | 1.0 | 0.77 | 675 | B | | | | C | C | | 13132416 | 06 |
| 9.2 | 152.21 | 0.75 | 717 | 0.9 | 0.71 | 675 | B | | | | C | C | | 19082416 | 07 |
| 8.6 | 163.02 | 0.55 | 567 | 1.2 | 0.66 | 675 | B | | | | C | C | | 13132414 | 08 |
| 7.9 | 177.69 | 0.55 | 618 | 1.1 | 0.61 | 675 | B | | | | C | C | | 19082414 | 09 |
| 6.8 | 205.95 | 0.55 | 716 | 0.9 | 0.52 | 675 | B | | | | C | C | ø42 | 17082414 | 10 |
| 6.3 | 222.52 | 0.55 | 774 | 0.9 | 0.48 | 675 | B | | | | C | C | Özel | 10132414 | 11 |
| 5.6 | 248.76 | 0.37 | 578 | 1.2 | 0.43 | 675 | B | | | | C | C | | 9132416 | 12 |
| 4.8 | 290.41 | 0.37 | 675 | 1.0 | 0.37 | 675 | B | | | | C | C | | 9132414 | 13 |
| 4.1 | 337.39 | 0.37 | 784 | 0.9 | 0.32 | 675 | B | | | | C | C | | 10082416 | 14 |
| 3.6 | 393.88 | 0.25 | 618 | 1.1 | 0.27 | 675 | B | | | | C | C | | 10082414 | 15 |
| 3.2 | 440.33 | 0.25 | 690 | 1.0 | 0.24 | 675 | B | | | | C | C | | 9082416 | 16 |
| 2.7 | 514.06 | 0.18 | 616 | 1.1 | 0.21 | 675 | B | | | | C | C | | 9082414 | 17 |
| 2.4 | 581.44 | 0.18 | 697 | 1.0 | 0.18 | 675 | B | | | | C | C | | 7082416 | 18 |
| 2.1 | 678.79 | 0.12 | 526 | 1.3 | 0.16 | 675 | B | | | | C | C | | 7082414 | 19 |

Dinamik verim tüm tahvil oranları için **0,92**'dir

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Terminal Kutusu flanş pozisyonu
Motor Flange Holes Position

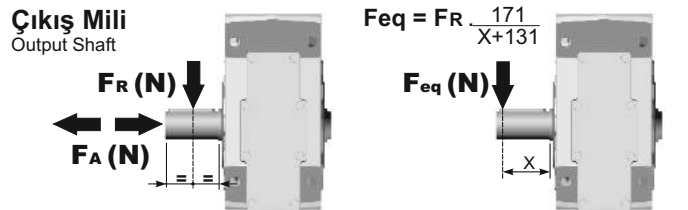
TR 114C Redüktörler ömürlük sentetik yağ ile yağlanmıştır ve bakım gerektirmez. Tablo 1'de uygun yağlar ve yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

EN Unit 114C is supplied with synthetic oil for lifetime lubrication, no maintenance is necessary. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

| Standart | Diğer montaj pozisyonlarını siparişte belirtiniz veya uygun miktarda yağ ekleyiniz. For these mounting position specify in the order or add oil | | | | | |
|---------------------|--|---------|-----------------------|---------|---------|---------|
| | | | | | | |
| 4.10 LT | 2.70 LT | 2.70 LT | 2.70 LT | 5.30 LT | 2.35 LT | Sorunuz |
| AGIP Telium VSF 320 | | | SHELL Omala S4 WE 320 | | | |

Daha fazla ayrıntı için internet sitemizi inceleyiniz. **Tablo 1**
For all details on lubrication and plugs check our website

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

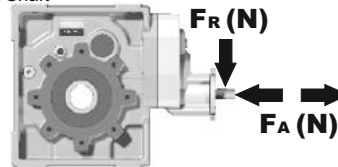


| n ₂ | FA | FR | n ₂ | FA | FR | n ₂ | FA | FR |
|----------------|-----|------|----------------|------|------|----------------|------|------|
| 300 | 640 | 3200 | 140 | 860 | 4300 | 70 | 1080 | 5400 |
| 250 | 700 | 3500 | 120 | 900 | 4500 | 40 | 1300 | 6500 |
| 200 | 740 | 3700 | 85 | 1000 | 5000 | 15 | 1840 | 9200 |

İsteğe bağlı olarak radyal ve eksenel yükleri karşılamak için güçlendirilmiş rulman opsiyonu.

On request reinforced bearings to increase loads.

Giriş Mili
Input Shaft



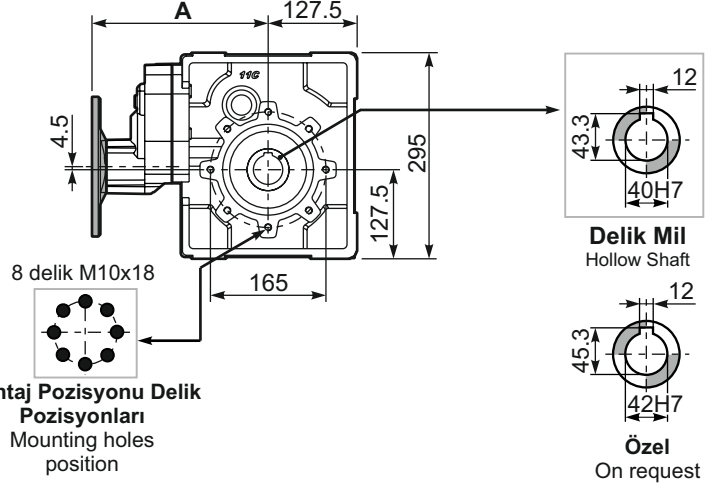
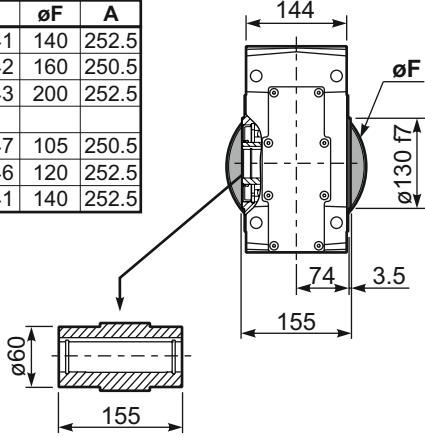
| n ₁ | FA | FR |
|----------------|-----|------|
| 1400 | 240 | 1200 |
| 900 | 280 | 1400 |
| 500 | 310 | 1700 |

Tablo 2

P114CC... Standart redüktör
Basic gearbox

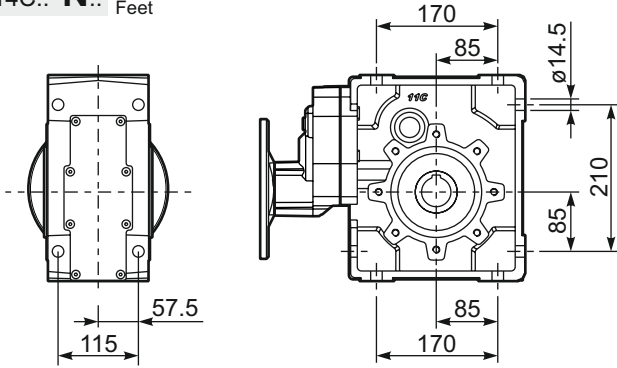
Ağırlık
Gearbox
weight **38.0 kg**

| M. flanşları | Kit Kodu | øF | A |
|--------------|------------|-----|-------|
| 63B5 | K063.4.041 | 140 | 252.5 |
| 71B5 | K063.4.042 | 160 | 250.5 |
| 80/90B5 | K063.4.043 | 200 | 252.5 |
| 71B14 | K063.4.047 | 105 | 250.5 |
| 80B14 | K063.4.046 | 120 | 252.5 |
| 90B14 | K063.4.041 | 140 | 252.5 |

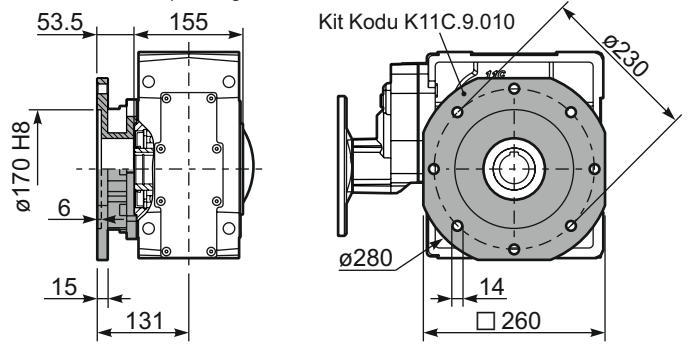


Montaj Pozisyonu Delik
Pozisyonları
Mounting holes
position

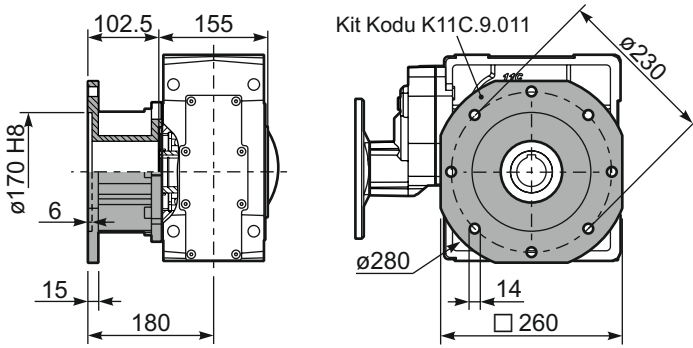
P114C..-N.. Ayak
Feet



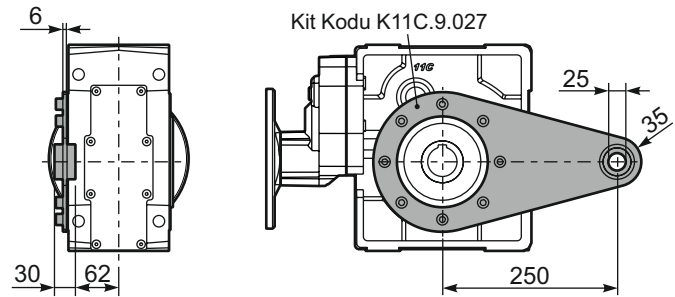
P114C-FC.. Çıkış flanşı
Output flanges



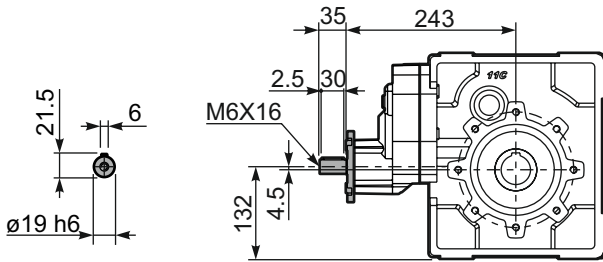
P114C-FL.. Çıkış flanşı
Output flanges



P114C BR.. Tork Kolu
Reaction Arm

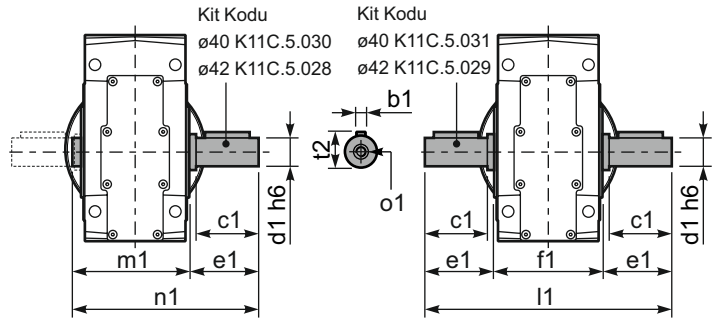


R114C... Giriş Mili
Input shaft

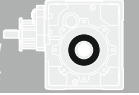


P114C..A.. Tek Çıkış Mili
Single Shaft

P114C..B.. Çift Çıkış Mili
Double Shaft



| | b1 | c1 | d1 | e1 | f1 | l1 | m1 | n1 | t2 | o1 |
|--------------|----|----|----|------|-----|-----|-------|-----|----|-----|
| ø40 Standart | 12 | 80 | 40 | 84.5 | 155 | 324 | 164.5 | 249 | 43 | M12 |
| ø42 Özel | 12 | 80 | 42 | 84.5 | 155 | 324 | 164.5 | 249 | 45 | M16 |



HIZLI SEÇİM / Quick Selection

Giriş devri (n_1) = 1400 d/d

| Çıkış devri n_2 [d/d] | Tahvil i | Motor gücü P_{1M} [kW] | Çıkış momenti M_{2M} [Nm] | Servis Faktörü f.s. | Nominal Güç P_{1R} [kW] | Nominal Moment M_{2R} [Nm] | Uygun B5 motor flanşları | | | | | Uygun B14 motor flanşları | | | | Çıkış mil çapı | Tahvil kodu | |
|-------------------------------|-------------|--------------------------------|-----------------------------------|------------------------|---------------------------------|------------------------------------|--------------------------|----|----|------------|-----|---------------------------|----|------------|-----|----------------|-------------|----|
| | | | | | | | -C | -D | -E | -F | -G | -R | -T | -U | -V | | | |
| | | | | | | | 71 | 80 | 90 | 100 112 | 132 | 80 | 90 | 100 112 | 132 | | | |
| 145 | 9.69 | 9 | 560 | 1.3 | 12.2 | 755 | B | | | | | | | | | | 302418 | 01 |
| 126 | 11.09 | 9 | 641 | 1.1 | 9.6 | 680 | B | | | | | | | | | | 302416 | 02 |
| 108 | 12.90 | 9 | 746 | 1.1 | 9.6 | 790 | B | | | | | | | | | | 302414 | 03 |
| 77 | 18.26 | 7.5 | 849 | 1.1 | 8.0 | 935 | B | | | | | | | | | | 202418 | 04 |
| 67 | 20.91 | 7.5 | 972 | 1.0 | 7.5 | 1000 | B | | | | | | | | | | 202416 | 05 |
| 58 | 24.32 | 5.5 | 835 | 1.2 | 6.4 | 1000 | B | | | | | | | | | | 202414 | 06 |
| 49.5 | 28.27 | 5.5 | 971 | 1.0 | 5.5 | 1000 | B | | | | | | | | | | 162416 | 07 |
| 42.6 | 32.88 | 4 | 826 | 1.2 | 4.7 | 1000 | B | | | | | | | | | | 162414 | 08 |
| 38.1 | 36.76 | 4 | 924 | 1.1 | 4.2 | 1000 | B | | | | | | | | | | 132416 | 09 |
| 32.7 | 42.76 | 3 | 809 | 1.2 | 3.6 | 1000 | B | | | | | | | | | | 132414 | 10 |
| 31.1 | 45.00 | 3 | 851 | 1.2 | 3.5 | 1000 | B | | | | | | | | | | 112416 | 11 |
| 26.8 | 52.33 | 3 | 990 | 1.0 | 3.0 | 1000 | B | | | | | | | | | | 112414 | 12 |
| 24.6 | 56.82 | 2.2 | 791 | 1.1 | 2.3 | 850 | B | | | | | | | | | | 82418 | 13 |
| 21.5 | 65.07 | 2.2 | 906 | 1.1 | 2.3 | 975 | B | | | | | | | | | | 82416 | 14 |
| 18.5 | 75.68 | 2.2 | 1054 | 0.9 | 2.1 | 1000 | B | | | | | | | | | | 82414 | 15 |
| 15.6 | 89.61 | 1.1 | 628 | 1.1 | 1.2 | 710 | B | | | | | | | | | | 62416 | 16 |
| 13.4 | 104.22 | 1.1 | 731 | 1.1 | 1.2 | 820 | B | | | | | | | | | | 62414 | 17 |

Dinamik verim tüm tahvil oranları için **0,94**'dür

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Teminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 133C gövde redüktörler yağsız olarak sevk edilir. Redüktör üzerinde havalandırma tapası, yağ göstergesi ve tahliye tapası mevcuttur. Mineral yağlar bu ekipmanlar ile birlikte kullanılır. Sentetik yağ kullanılmak istenirse bu ekipmanların körtapa ile değiştirilmesi önerilir. Tablo 1'de montaj pozisyonuna göre uygun yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

EN Unit 133C is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

| B3 | B6 | B7 | B8 | V5 | V6 | V8 |
|---------|---------|---------|---------|---------|---------|---------|
| 6.00 LT | 4.30 LT | 4.30 LT | 3.30 LT | 7.40 LT | 3.10 LT | Sorunuz |

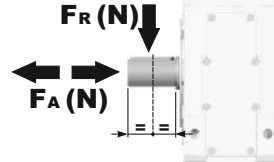
AGIP Blasia 460

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

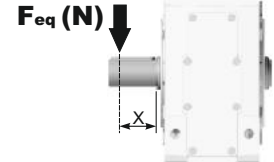
Tablo 1

RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS

Çıkış Mili
Output Shaft



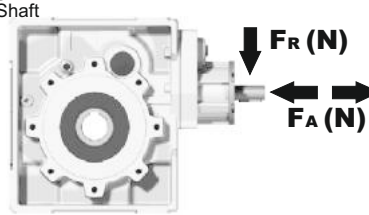
$$F_{eq} = FR \cdot \frac{184.5}{x+144.5}$$



| n_2 | FA | FR | n_2 | FA | FR | n_2 | FA | FR |
|-------|-----|------|-------|------|------|-------|------|-------|
| 300 | 800 | 4000 | 140 | 1120 | 5600 | 70 | 1400 | 7000 |
| 250 | 900 | 4500 | 120 | 1200 | 6000 | 40 | 1700 | 8500 |
| 200 | 960 | 4800 | 85 | 1300 | 6500 | 15 | 2400 | 12000 |

İsteğe bağlı olarak radyal ve eksenel yükleri karşılamak için güçlendirilmiş rulman opsiyonu.
On request reinforced bearings to increase loads.

Giriş Mili
Input Shaft



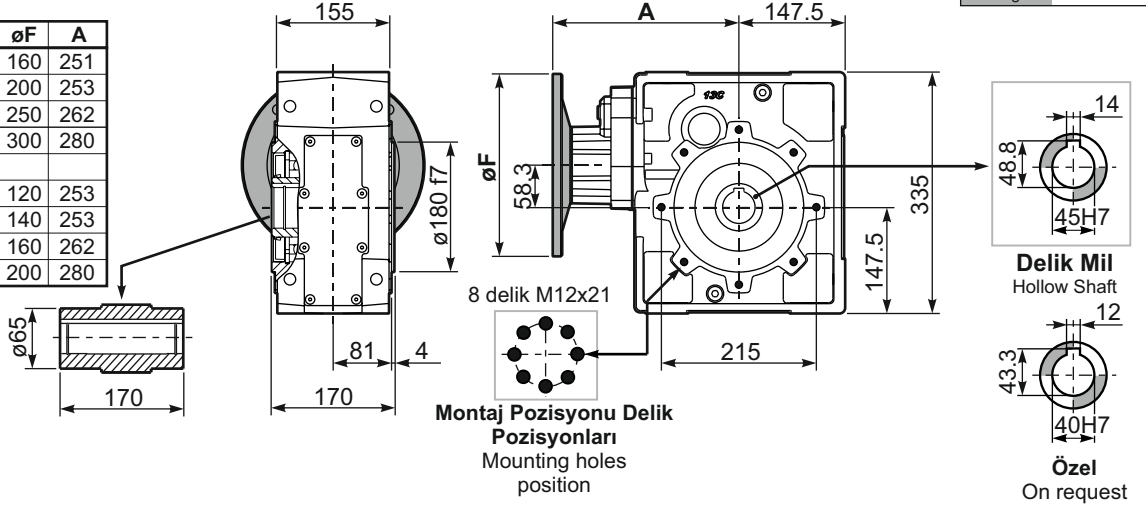
| n_1 | FA | FR |
|-------|-----|------|
| 1400 | 450 | 2250 |
| 900 | 500 | 2500 |
| 500 | 600 | 3000 |

Tablo 2

P133CC... Standart redüktör
Basic gearbox

Ağırlık
Gearbox
weight **53.5 kg**

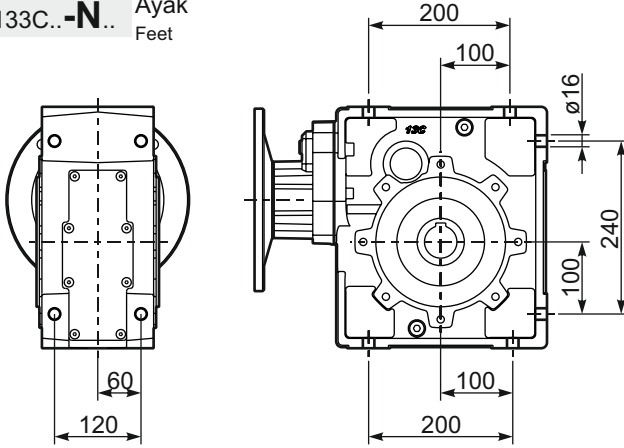
| M. flanşları | Kit Kodu | øF | A |
|--------------|-------------|-----|-----|
| 71B5 | KC023.4.041 | 160 | 251 |
| 80/90B5 | KC023.4.042 | 200 | 253 |
| 100/112B5 | KC023.4.043 | 250 | 262 |
| 132B5 | KC50.4.043 | 300 | 280 |
| 80B14 | KC085.4.046 | 120 | 253 |
| 90B14 | KC085.4.045 | 140 | 253 |
| 100/112B14 | KC085.4.047 | 160 | 262 |
| 132B14 | KC50.4.041 | 200 | 280 |



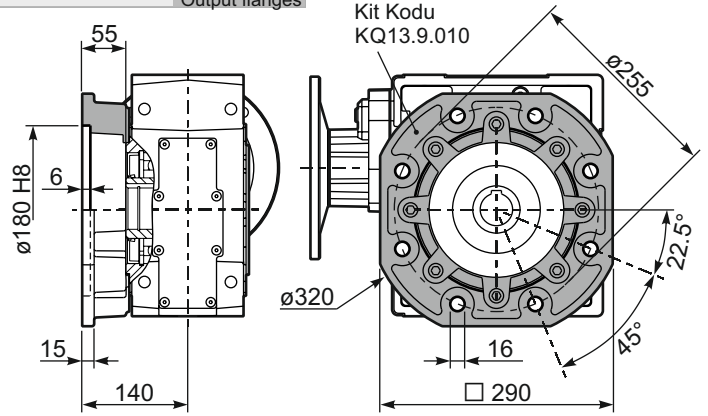
Montaj Pozisyonu Delik
Pozisyonları
Mounting holes
position

Özel
On request

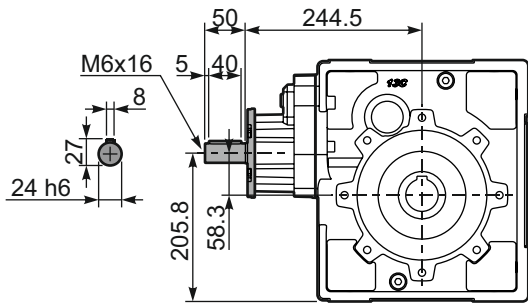
P133C..-N.. Ayak
Feet



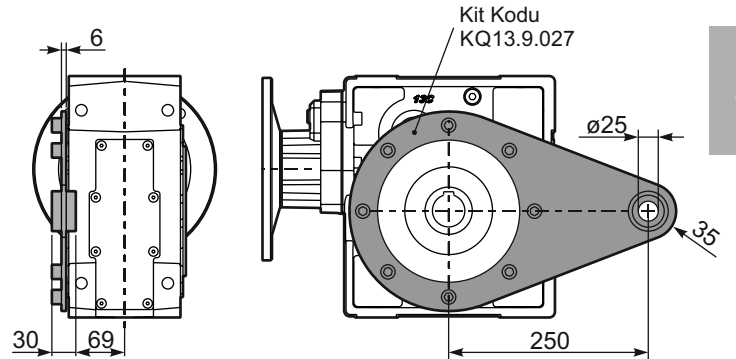
P133C..-FC.. Çıkış flanşı
Output flanges



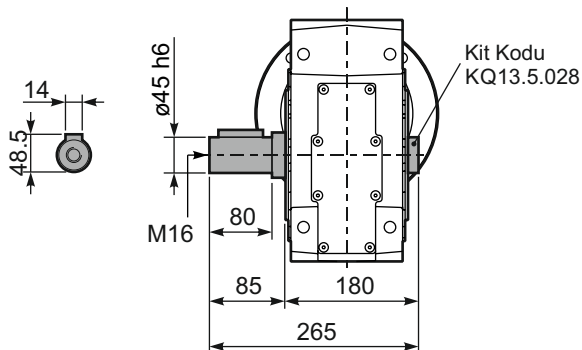
R133C... Giriş Mili
Input shaft



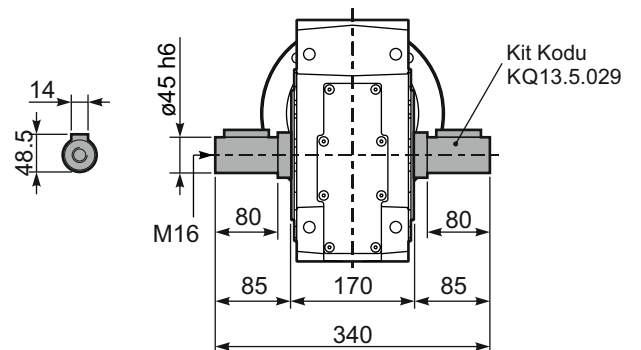
P133C BR.. Tork Kolu
Reaction Arm

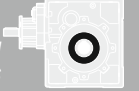


P133C..A.. Tek Çıkış Mili
Single Shaft



P133C..B.. Çift Çıkış Mili
Double Shaft





HIZLI SEÇİM / Quick Selection

Giriş devri (n₁) = 1400 d/d

| Çıkış devri n ₂ [d/d] | Tahvil i | Motor gücü P _{1M} [kW] | Çıkış momenti M _{2M} [Nm] | Servis Faktörü f.s. | Nominal Güç P _{1R} [kW] | Nominal Moment M _{2R} [Nm] | Uygun B5 motor flanşları | | | | Uygun B14 motor flanşları | | | Çıkış mil çapı Ø | Tahvil kodu |
|--|-------------|---------------------------------------|--|------------------------|--|---|--------------------------|----|----|----|---------------------------|----|----|---------------------|-------------|
| | | | | | | | -B | -C | -D | -E | -Q | -R | -T | | |
| | | | | | | | 63 | 71 | 80 | 90 | 71 | 80 | 90 | | |
| 15.3 | 91.23 | 1.5 | 858 | 1.2 | 1.7 | 1000 | B | | | | C | C | | 19132418 | 01 |
| 13.4 | 104.48 | 1.5 | 983 | 1.0 | 1.5 | 1000 | B | | | | C | C | | 19132416 | 02 |
| 11.6 | 121.10 | 1.5 | 1139 | 0.9 | 1.3 | 1000 | B | | | | C | C | | 17132416 | 03 |
| 9.9 | 140.84 | 1.1 | 968 | 1.0 | 1.1 | 1000 | B | | | | C | C | | 17132414 | 04 |
| 8.5 | 165.32 | 1.1 | 1136 | 0.9 | 0.96 | 1000 | B | | | | C | C | | 15132414 | 05 |
| 7.6 | 184.94 | 0.75 | 872 | 1.1 | 0.86 | 1000 | B | | | | C | C | | 19082416 | 06 |
| 7.1 | 197.34 | 0.75 | 930 | 1.1 | 0.81 | 1000 | B | | | | C | C | | 13132414 | 07 |
| 6.5 | 215.10 | 0.75 | 1014 | 1.0 | 0.74 | 1000 | B | | | | C | C | | 19082414 | 08 |
| 6.0 | 231.60 | 0.55 | 805 | 1.2 | 0.69 | 1000 | B | | | | C | C | | 10132416 | 09 |
| 5.6 | 249.31 | 0.55 | 867 | 1.2 | 0.64 | 1000 | B | | | | C | C | | 17082414 | 10 |
| 5.2 | 269.37 | 0.55 | 937 | 1.1 | 0.59 | 1000 | B | | | | C | C | | 10132414 | 11 |
| 4.8 | 292.64 | 0.55 | 1018 | 1.0 | 0.54 | 1000 | B | | | | C | C | | 15082414 | 12 |
| 4.6 | 302.26 | 0.55 | 1051 | 1.0 | 0.53 | 1000 | B | | | | C | C | | 9132416 | 13 |
| 4.0 | 349.30 | 0.37 | 812 | 1.2 | 0.46 | 1000 | B | | | | C | C | | 13082414 | 14 |
| 3.5 | 399.12 | 0.37 | 928 | 1.1 | 0.40 | 1000 | B | | | | C | C | | 7132416 | 15 |
| 2.9 | 476.80 | 0.37 | 1108 | 0.9 | 0.33 | 1000 | B | | | | C | C | | 10082414 | 16 |
| 2.2 | 622.28 | 0.25 | 976 | 1.0 | 0.26 | 1000 | B | | | | C | C | | 9082414 | 17 |
| 1.7 | 821.70 | 0.18 | 985 | 1.0 | 0.19 | 1000 | B | | | | C | C | | 7082414 | 18 |

Dinamik verim tüm tahvil oranları için 0,92'dir

Uygun Motor Flanşları
Motor Flanges Available

B) Burç ile montaj yapılabilir
Supplied with Reduction Bushing

B) Burç Kullanılmadan Montajı Yapılabilir
Available on Request without Reduction Bushing

C) Terminal Kutusu flanş pozisyonu
Motor Flange Holes Position

TR 134C gövde redüktörler yağsız olarak sevk edilir. Redüktör üzerinde havalandırma tapası, yağ göstergesi ve tahliye tapası mevcuttur. Mineral yağlar bu ekipmanlar ile birlikte kullanılır. Sentetik yağ kullanılmak istenirse bu ekipmanların körtapa ile değiştirilmesi önerilir. Tablo 1'de montaj pozisyonuna göre uygun yağ miktarları tanımlanmıştır. Tablo 2'de izin verilebilir radyal ve eksenel yük değerleri tanımlanmıştır.

| B3 | B6 | B7 | B8 | V5 | V6 | V8 |
|---------|---------|---------|---------|---------|---------|---------|
| 6.10 LT | 4.40 LT | 4.40 LT | 3.40 LT | 7.50 LT | 3.20 LT | Sorunuz |

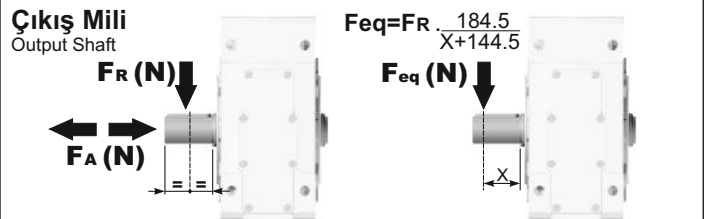
AGIP Blasia 460

Daha fazla ayrıntı için internet sitemizi inceleyiniz.
For all details on lubrication and plugs check our website

Tablo 1

EN Unit 134C is supplied without lubricant and equipped with a breather, level and drain plugs. User can add mineral oil keeping existing plugs. Should the user wish to fill it with synthetic oil, it is recommended to replace the existing plugs with a closed plug. See table 1 for lubrication and recommended quantity. In table 2 please see possible radial loads and axial loads on the gearbox.

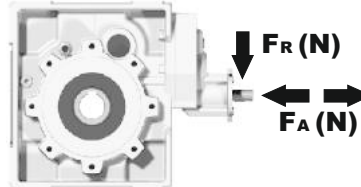
RADYAL VE EKSENEL YÜKLER / RADIAL AND AXIAL LOADS



| n ₂ | FA | FR | n ₂ | FA | FR | n ₂ | FA | FR |
|----------------|-----|------|----------------|------|------|----------------|------|-------|
| 300 | 800 | 4000 | 140 | 1120 | 5600 | 70 | 1400 | 7000 |
| 250 | 900 | 4500 | 120 | 1200 | 6000 | 40 | 1700 | 8500 |
| 200 | 960 | 4800 | 85 | 1300 | 6500 | 15 | 2400 | 12000 |

İsteğe bağlı olarak radyal ve eksenel yükleri karşılamak için güçlendirilmiş rulman opsiyonu.
On request reinforced bearings to increase loads.

Giriş Mil
Input Shaft



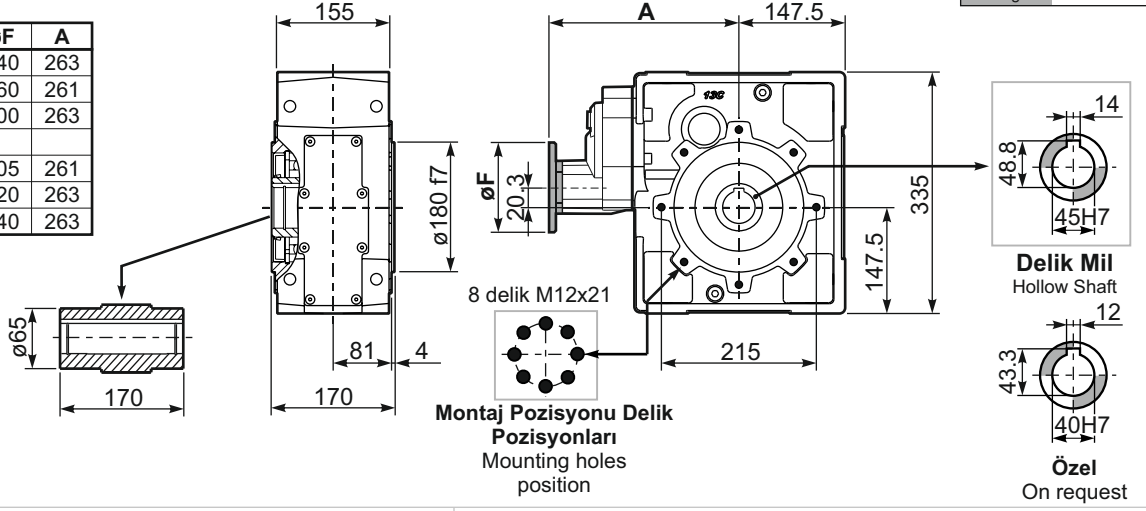
| n ₁ | FA | FR |
|----------------|-----|------|
| 1400 | 400 | 2000 |
| 900 | 440 | 2200 |
| 500 | 440 | 2200 |

Tablo 2

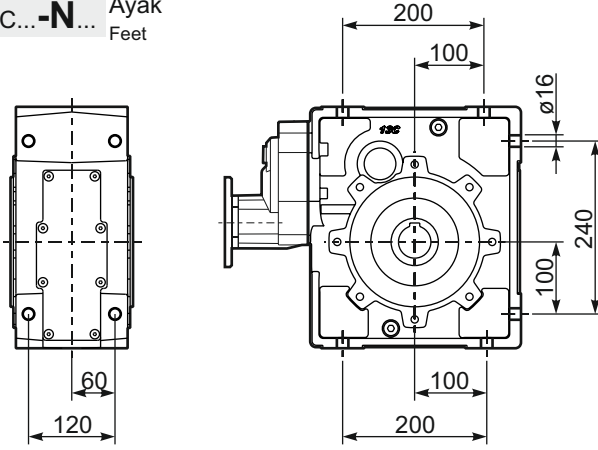
P134CC... Standart redüktör
Basic gearbox

Ağırlık
Gearbox
weight **53.5 kg**

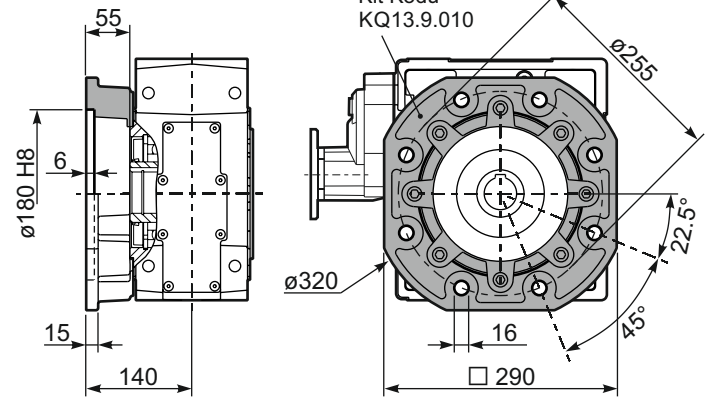
| M. flanşları | Kit Kodu | øF | A |
|--------------|------------|-----|-----|
| 63B5 | K063.4.041 | 140 | 263 |
| 71B5 | K063.4.042 | 160 | 261 |
| 80/90B5 | K063.4.043 | 200 | 263 |
| 71B14 | K063.4.047 | 105 | 261 |
| 80B14 | K063.4.046 | 120 | 263 |
| 90B14 | K063.4.041 | 140 | 263 |



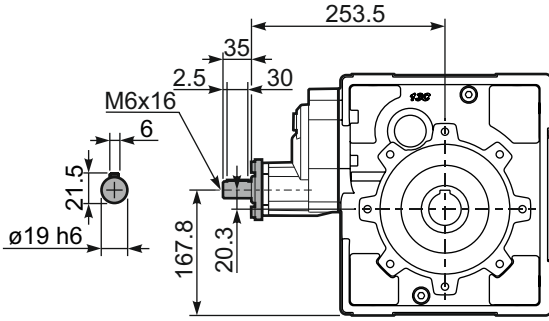
P134C...-N... Ayak
Feet



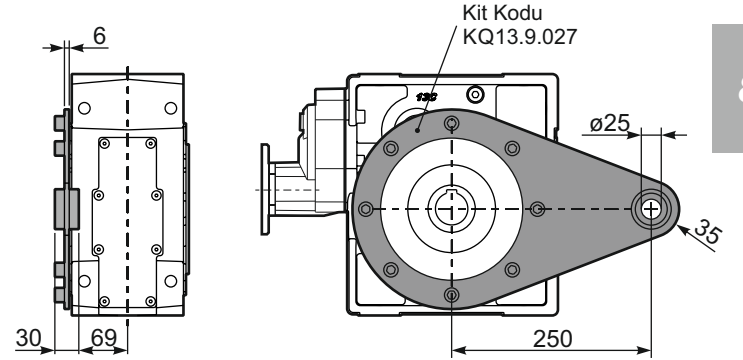
P134C...-FC... Çıkış flanşları
Output flanges



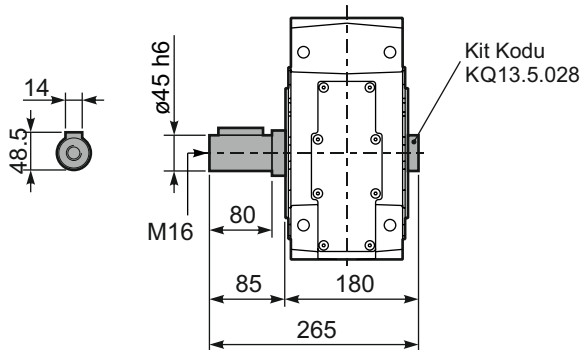
R134C... Giriş Mili
Input shaft



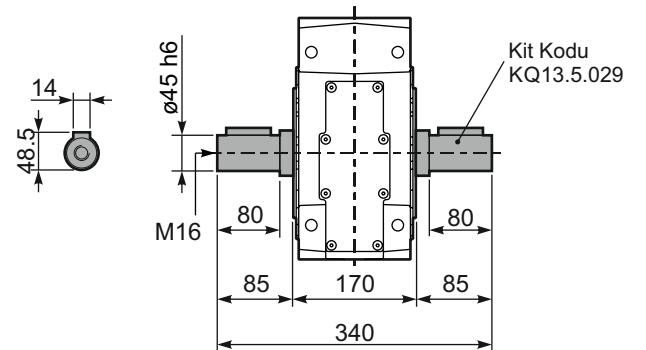
P134C BR.. Tork Kolu
Reaction Arm

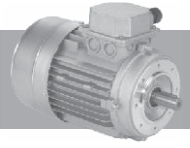


P134C..A.. Tek Çıkış Mili
Single Shaft



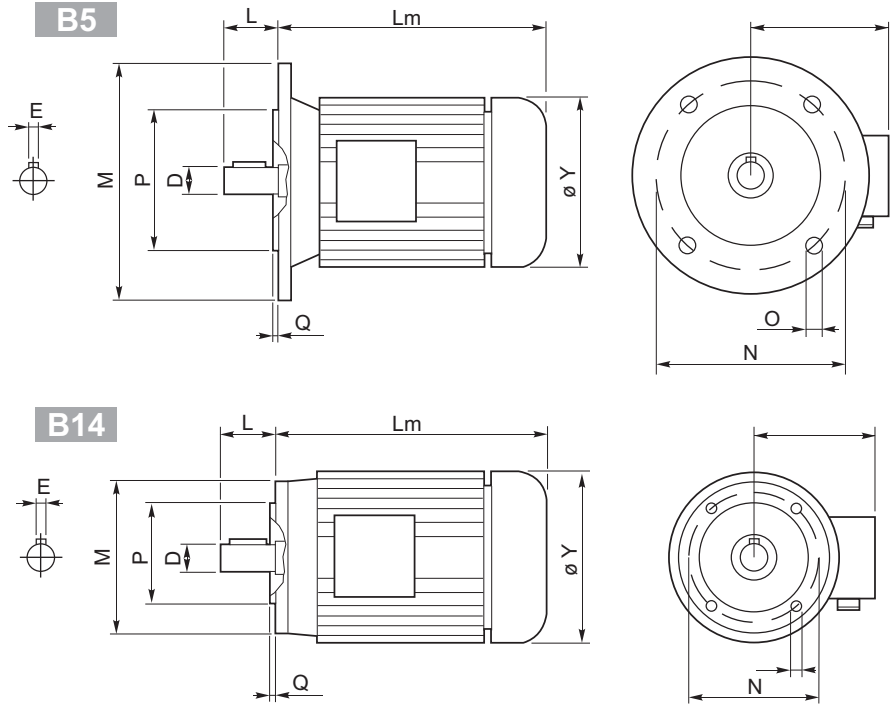
P134C..B.. Çift Çıkış Mili
Double Shaft





- 1) 230/400V - 50Hz 3 fazlı asenkron indüksiyon motoru
- 2) F klas izolasyon
- 3) S1
- 4) IP 55 koruma
- 5) Boyasız
- 6) Aktarım sırasında çıkış milini korumak için sert plastik kılıf

- 1) 230/400V - 50 Hz three-phase asynchronous induction motor
- 2) Class F insulation
- 3) S1 duty
- 4) IP 55 protection
- 5) Not painted
- 6) Hard plastic sleeve to protect output shaft during the transportation



Dış ölçüler ve ağırlık üretici firmaya bağlı olarak farklılık gösterebilir
Outside dimensions and weight may be different according to manufacturers

| | 2 poli / poles | | | 4 poli / poles | | | 6 poli / poles | | | B5-B14 | | | | | B5 | | | | | B14 | | | | | Kg | |
|--------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----------|
| | kW | Nm | A (400V) | kW | Nm | A (400V) | kW | Nm | A (400V) | D (mm) | E (mm) | L (mm) | Lm (mm) | Y (mm) | AD (mm) | P (mm) | N (mm) | M (mm) | O (mm) | Q (mm) | P (mm) | N (mm) | M (mm) | O (mm) | | Q (mm) |
| 56 A | 0.09 | 0.32 | 0.38 | 0.06 | 0.44 | 0.27 | — | — | — | 9 | 3 | 20 | 179 | 108 | 96 | 80 | 100 | 120 | 7 | 2.5 | 50 | 65 | 80 | M5 | 2.5 | 2.7 |
| 56 B | 0.12 | 0.42 | 0.46 | 0.09 | 0.67 | 0.37 | — | — | — | 9 | 3 | 20 | 179 | 108 | 96 | 80 | 100 | 120 | 7 | 2.5 | 50 | 65 | 80 | M5 | 2.5 | 2.9 |
| 63 A | 0.18 | 0.63 | 0.60 | 0.12 | 0.84 | 0.50 | 0.09 | 0.99 | 0.57 | 11 | 4 | 23 | 185 | 120 | 99 | 95 | 115 | 140 | 9.5 | 3 | 60 | 75 | 90 | M5 | 2.5 | 3.8 |
| 63 B | 0.25 | 0.87 | 0.76 | 0.18 | 1.30 | 0.69 | 0.12 | 1.32 | 0.74 | 11 | 4 | 23 | 185 | 120 | 99 | 95 | 115 | 140 | 9.5 | 3 | 60 | 75 | 90 | M5 | 2.5 | 4.2 |
| 71 A | 0.37 | 1.30 | 1.00 | 0.25 | 1.70 | 0.91 | 0.18 | 1.90 | 0.80 | 14 | 5 | 30 | - | 130 | 104 | 110 | 130 | 160 | 9.5 | 3.5 | 70 | 85 | 105 | M6 | 2.5 | 5.9 |
| 71 B | 0.55 | 1.90 | 1.54 | 0.37 | 2.52 | 1.14 | 0.25 | 2.72 | 1.10 | 14 | 5 | 30 | 225 | 141 | 107 | 110 | 130 | 160 | 9.5 | 3.5 | 70 | 85 | 105 | M6 | 2.5 | 6.5 |
| 80 A | 0.75 | 2.60 | 1.85 | 0.55 | 3.77 | 1.51 | 0.37 | 3.84 | 1.18 | 19 | 6 | 40 | 256 | 159 | 127 | 130 | 165 | 200 | 11.5 | 3.5 | 80 | 100 | 120 | M6 | 3 | 8.5 |
| 80 B | 1.1 | 3.90 | 2.64 | 0.75 | 5.11 | 2.57 | 0.55 | 5.84 | 1.80 | 19 | 6 | 40 | 256 | 159 | 127 | 130 | 165 | 200 | 11.5 | 3.5 | 80 | 100 | 120 | M6 | 3 | 10 |
| 90 S | 1.5 | 5.00 | 3.31 | 1.1 | 7.45 | 2.78 | 0.75 | 7.92 | 2.32 | 24 | 8 | 50 | - | 170 | 135 | 130 | 165 | 200 | 11.5 | 3.5 | 95 | 115 | 140 | M8 | 3 | 12.5 |
| 90 L | 2.2 | 7.50 | 4.46 | 1.5 | 10.2 | 3.61 | 1.1 | 11.6 | 3.45 | 24 | 8 | 50 | 280 | 170 | 135 | 130 | 165 | 200 | 11.5 | 3.5 | 95 | 115 | 140 | M8 | 3 | 15 |
| 100 LA | 3.0 | 10.0 | 6.28 | 2.2 | 14.8 | 5.07 | 1.5 | 15.4 | 3.88 | 28 | 8 | 60 | - | 190 | 148 | 180 | 215 | 250 | 13 | 4 | 110 | 130 | 160 | M8 | 3.5 | 20 |
| 100 LB | — | — | — | 3.0 | 20.1 | 6.66 | — | — | — | 28 | 8 | 60 | - | 190 | 148 | 180 | 215 | 250 | 13 | 4 | 110 | 130 | 160 | M8 | 3.5 | 22 |
| 112 M | 4.0 | 13.4 | 8.10 | 4.0 | 26.7 | 8.55 | 2.2 | 22.6 | 5.30 | 28 | 8 | 60 | 321 | 210 | 164 | 180 | 215 | 250 | 13 | 4 | 110 | 130 | 160 | M8 | 3.5 | 35 |
| 132 S | 5.5 | 18.3 | 11.2 | 5.5 | 36.5 | 11.4 | 3.0 | 30.2 | 7.20 | 38 | 10 | 80 | 375 | 244 | 180 | 230 | 265 | 300 | 14 | 4 | 130 | 165 | 200 | M10 | 4 | 41 |
| | 7.5 | 24.9 | 15.3 | | | | | | | | | | 420 | | | | | | | | | | | | | 51 |
| 132 M | — | — | — | 7.5 | 49.4 | 15.0 | 4.0 | 40.0 | 9.13 | 38 | 10 | 80 | 420 | 244 | 180 | 230 | 265 | 300 | 14 | 4 | 130 | 165 | 200 | M10 | 4 | 51 |
| 9 | 61.4 | 18.5 | 51 | | | | | | | | | | | | | | | | | | | | | | | |
| 160 M | — | — | — | 11 | 72 | 21.5 | — | — | — | 42 | 12 | 110 | 503 | 335 | 246 | 250 | 300 | 350 | 18 | 5 | — | — | — | — | — | 79.2 |
| 160 L | — | — | — | 15 | 98 | 29 | — | — | — | 42 | 12 | 110 | 547 | 335 | 246 | 250 | 300 | 350 | 18 | 5 | — | — | — | — | — | 97.5 |
| 180 M | — | — | — | 18.5 | 121 | 35.5 | — | — | — | 48 | 14 | 110 | 602 | 366 | 266 | 250 | 300 | 350 | 19 | 5 | — | — | — | — | — | 170 |
| 180 L | — | — | — | 22 | 144 | 42 | — | — | — | 48 | 14 | 110 | 602 | 366 | 266 | 250 | 300 | 350 | 19 | 5 | — | — | — | — | — | 170 |
| 200 L | — | — | — | 30 | 196 | 53 | — | — | — | 55 | 16 | 110 | 670 | 405 | 341 | 300 | 350 | 400 | 19 | 5 | — | — | — | — | — | 240 |
| 225 S | — | — | — | 37 | 240 | 69 | — | — | — | 60 | 18 | 140 | 748 | 463 | 360 | 350 | 400 | 450 | 19 | 5 | — | — | — | — | — | 305 |
| 225 M | — | — | — | 45 | 292 | 84 | — | — | — | 60 | 18 | 140 | 748 | 463 | 360 | 350 | 400 | 450 | 19 | 5 | — | — | — | — | — | 310 |

MONOBLOK YÜKSEK VERİMLİ MODÜLER VE KOMPAKT ÜRÜNLER
MONOBLOCK MODULAR & COMPACT PRODUCTS WITH HIGH ENERGY EFFICIENCY DRIVE



**PARALEL MİLLİ
REDÜKTÖR**
PARALLEL SHAFT
GEARBOXES

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 063 | 300 Nm |
| 080 | 650 Nm |
| 100 | 1.400 Nm |
| 125 | 2.750 Nm |
| 140 | 4.200 Nm |
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |
| 280 | 30.000 Nm |
| 320 | 45.000 Nm |
| 360 | 70.000 Nm |



**KONİK HELİSEL DİŞLİ
REDÜKTÖR**
BEVEL HELICAL - RIGHTANGLE
GEARBOXES

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 063 | 300 Nm |
| 080 | 650 Nm |
| 100 | 1.400 Nm |
| 125 | 2.750 Nm |
| 140 | 4.200 Nm |
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |
| 280 | 30.000 Nm |
| 320 | 45.000 Nm |
| 360 | 70.000 Nm |



**PARALEL MİLLİ
MOTORLU REDÜKTÖR**
PARALLEL SHAFT
GEARBOXES WITH MOTOR

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 063 | 300 Nm |
| 080 | 650 Nm |
| 100 | 1.400 Nm |
| 125 | 2.750 Nm |
| 140 | 4.200 Nm |
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |
| 280 | 30.000 Nm |
| 320 | 45.000 Nm |
| 360 | 70.000 Nm |



**KONİK HELİSEL DİŞLİ
MOTORLU REDÜKTÖR**
BEVEL HELICAL - RIGHTANGLE
GEARBOXES WITH MOTOR

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 063 | 300 Nm |
| 080 | 650 Nm |
| 100 | 1.400 Nm |
| 125 | 2.750 Nm |
| 140 | 4.200 Nm |
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |
| 280 | 30.000 Nm |
| 320 | 45.000 Nm |
| 360 | 70.000 Nm |



**PARALEL MİLLİ
EKSTRUDER REDÜKTÖR**
PARALLEL SHAFT
EXTRUDER GEARBOX

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 140 | 4.200 Nm |
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |
| 280 | 30.000 Nm |
| 320 | 45.000 Nm |
| 360 | 70.000 Nm |



**PARALEL MİLLİ
EKSTRUDER REDÜKTÖR
(UZUN DİZAYN)**
PARALLEL SHAFT
EXTRUDER GEARBOX
(LONG DESIGN)

| Gövde Büyüküğü Size | Nominal Çıkış Momenti Rated Output Torque |
|---------------------------|--|
| 160 | 6.000 Nm |
| 180 | 7.500 Nm |
| 200 | 12.000 Nm |
| 225 | 18.000 Nm |
| 250 | 26.550 Nm |

ZET

R e d ü k t ö r

ZET Redüktör Sanayi ve Ticaret A.Ş.



İSTANBUL MERKEZ OFİS / HEAD OFFICE

Uzunçayır Caddesi No: 43
D Blok No:3-4
34722 - Hasanpaşa
İstanbul - Türkiye

Tel : +90-216-327 7254 (2L pbx)
: +90-216-326 0679
Fax : +90-216-326 0078

ESKİŞEHİR FABRİKA / FACTORY

Organize Sanayi Bölgesi
14. Cadde No: 17
26110 - OSB
Eskişehir -Türkiye

Tel : +90-222-236 2017 (4L pbx)
Fax : +90-222-236 2035

info@hydrozet.com
www.hydrozet.com
www.zetreduktor.com