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Ürün Yelpazesi

Elinizdeki katalog sadece ***TT serisi*** ürünleri içermektedir.

- M ve N Serisi

Helisel alın dişliye sahip, giriş ve çıkış milleri aynı düzlem üzerinde ve birbirine paralel uzanan, üzerlerinde bulunan ayak veya flanş ile makinaya sabitlenen redüktörlerdir. Dolu mil çıkışlıdır.

- D Serisi

Helisel alın dişliye sahip, giriş ve çıkış milleri aynı düzlem üzerinde, birbirine paralel ve belirli bir aralıkta yerleştirilmiş, iki yan yüzde bulunan bağlantı civataları, flanş veya tork kolu ile makinaya sabitlenen redüktörlerdir. Delik milli veya mil çıkışlı olabilir.

- E Serisi

Sonsuz vida ve çark dişlili, belirli bir aralıkta ve birbirine dik konumlandırılmış giriş ve çıkış millerine sahip, çepeçevre konumlandırılmış ayak bağlantıları, flanş veya tork kolu ile makinaya sabitlenebilen redüktörlerdir. Delik milli veya mil çıkışlı olabilir.

- Y Serisi

Yatık tip redüktörler, ağır şartlarda çalışmak üzere dizayn edilmiş redüktör tipleridir. Bu tiplerde redüktör ile bunu tahrik eden mekanizma arasında değişik bağlantı şekilleri mevcuttur (Mekanik ve hidrolik kaplinler, çeşitli tip kayışlar ve zincirle tahrik gibi). Delik milli veya mil çıkışlı olabilir.

- K Serisi

Helisel alın dişli ve konik dişlilerden oluşan, birbirine dik ve belirli bir aralıkta konumlandırılmış giriş ve çıkış miline sahip, çepeçevre sunulan ayaklar, flanş veya tork kolu ile makinaya sabitlenen redüktörlerdir. E serisinden farklı olarak yüksek verime sahiptirler. Delik milli veya mil çıkışlı olabilir.

- H ve B Serisi

Helisel ve/veya konik dişliye sahip ağır hizmet tipi redüktörlerdir. Giriş ve çıkış milleri birbirine paralel veya dik olabilir. Her yönden bağlantı için ayak bağlantıları bulunur. Opsiyonel olarak flanş ile de bağlanabilir. Delik milli veya mil çıkışlı olabilir.

- T Serisi

T Serisi redüktörler helisel dişli iki kademe motorsuz delik milli redüktörlerdir. T Serisi redüktörler delik milli olması ve kompakt gövde yapısı sayesinde daha küçük hacimli alanlara montajı yapılabilmektedir.

- P ve R Serisi

P ve R Serisi redüktörler planet dişli redüktörlerdir. Endüstriyel ve mobil uygulamalarda kullanılırlar. Diğer redüktör tiplerine göre daha küçük hacimde daha büyük tork iletebilirler.

- VR Serisi

VR vinç redüktörleri M1 - M8 (1Dm - 5m) yük sınıflarına uygun olarak, çift veya sabit devirli frenli motorlarla üretilebilmektedir.

Production Range

*This catalogue is containing **TT series** of gearboxes only.*

- M and N Series

M and N series of YILMAZ REDÜKTÖR are helical geared. The input and output shafts are parallel to each other and on the same plane. The gearbox can be connected to the machine by using the foot or flange on the gearbox. Has solid output shaft.

- D Series

D series are helical geared gearboxes with parallel input and output shafts. The shafts have a distance in between and located on the same plane. The gearbox can be assembled to the machine by using the foot, the connection screws on the sides, flange or torque arm on the gearbox. Can have hollow or solid output shaft.

- E Series

E series gearboxes are with worm and wormwheel. The input and output shafts are perpendicular to each other and have a distance in between. It can be assembled to the driven machine by the use of the foot, flange or torque arm on the gearbox. Can have hollow or solid output shaft.

- Y Series

Horizontal type gearboxes are designed to operate in heavy conditions. In these types there are a lot of combination forms between gearbox and driver (for example, mechanic and hydraulic couplings, various belt and chain drives etc.). Can have hollow or solid output shaft.

- K Series

These are gearboxes with helical and bevel gears. The input and output shafts are perpendicular to each other and have a distance in between. It can be assembled to the driven machine using the foot, flange or torque arm on the gearbox. They have high efficiency compared to E series. Can have hollow or solid output shaft.

- H and B Series

These gearboxes are helical or/and bevel geared industrial gearboxes . The input and output shafts can be arranged parallel or perpendicular to each other. The gearbox can be assembled by the use of the foot connections on each side. Flange connections are optional. Can have hollow or solid output shaft.

- T Series

T Series are gear units which are helical geared, two staged, hollow shaft mounted gear units and manufactured according to monoblock principal. T Series gearboxes have hollow shaft and compact housing so that T series can be mounted on smaller places.

- P and R Series

P and R Series gearboxes are planetary gearboxes. They are mostly used by industrial and mobile applications. Planetary gearboxes can transfer high torques in small volumes compared to other gearboxes.

- VR Serie

VR hoist drives are produced according to M1 - M8 (1Dm - 5m) load classification.

Produktpalette

Dieses Katalog umfasst nur die **TT Serien** Getriebe.

- M und N Serie

Diese Modelle sind Stirnradgetriebe mit parallelen Antriebs- und Abtriebswelle auf einer Ebene. Die Getriebe werden mit Fuß- oder Flanschverbindung an die angetriebene Maschine angekoppelt. Hat Vollwelle am Ausgang.

- D Serie

Diese Getriebe sind Stirnradgetriebe mit paralleler Antriebs- und Abtriebswelle, die auf einer Ebene liegen und einen Abstand zueinander haben. Diese Getriebe wird seitlich mit Gewindelöchern am Maschine oder mit einer Flansch verbindet. Kann Voll- und Hohlwelle am Ausgang haben.

-E Serie

Diese Getriebe bestehen aus Schnecke und Schneckenrad. Die Antriebs-und Abtriebswellen sind senkrecht zueinander und haben einen bestimmten Abstand. Das Getriebe wird mit Fußbefestigung,Flanschverbindung oder mit Drehmomentstütze an die angetriebene Maschine montiert. Kann Voll- und Hohlwelle am Ausgang haben.

- Y Serie

Diese Getrieben sind für Einsatz unter schweren Bedingungen ausgelegt. Bei dieser Ausführung gibt es sehr viele verschiedene Verbindungsmöglichkeiten zwischen Antrieb und Getriebe (Zum Beispiel; mechanische und hydraulische Kupplungen, Riementrieb, Kettentrieb usw.). Kann Voll- und Hohlwelle am Ausgang haben.

- K Serie

Diese Getrieben bestehen aus Stirnräder und Kegelräder. Die Antrieb und Abtriebswellen sind senkrecht und haben einen Abstand zueinander. Das Getriebe wird mit Fußbefestigung, Flanschverbindung oder Drehmomentstütze an die angetriebene Maschine montiert. Der Wirkungsgrad ist wesentlich höher als E Serie. Kann Voll- und Hohlwelle am Ausgang haben.

- H und B Serie

Diese Getriebe sind geeignet für industrielle Anwendungen und haben parallelen oder senkrechten Antrieb und Abtriebswelle auf einer Ebene. Das Getriebe kann mit Fußen, die auf jede Seite der Getriebe vorhanden sind, oder optional mit Flansch an die angetriebene Maschine montiert werden. Kann Voll-und Hohlwelle am Ausgang haben.

- T Serie

TSerien Getriebe sind zwei stufige, schrägverzahnte Hohlwellenflachgetriebe in Monoblockgehäuse. Die T Serie hat eine kompakte Gehäuse und ist serienmäßig mit Abgangshohlwelle hergestellt, so dass das Getriebe minimalen Platzbedarf hat.

- P und R Serie

P und R Serie sind Planetengetriebe, die vielseitig im Industrie und bei mobiler Anwendungen einsetzbar sind, mit Planetenzahnräder. Planetengetriebe können im Vergleich zu anderen Getrieben größere Drehmomente bei kleineren Bauvolumen übertragen.

- VR Serie

VR Krane und Hebezeuge werden geeignet zur Belastungsart M1 - M8 (1Dm - 5m) hergestellt.

Genel Bilgiler
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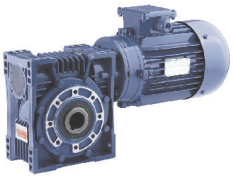
M ...

13 farklı büyüklükte;
Moment aralığı: 50 - 18.000 Nm
Devir aralığı: 0,1 - 500 d/dak
13 different sizes:
Torque range: 50 - 18.000 Nm
Speed range: 0,1 - 500 rpm
13 verschiedene Baugrößen:
Drehmomentbereich:50 - 18.000 Nm
Drehzahlbereich : 0,1 - 500 U/min

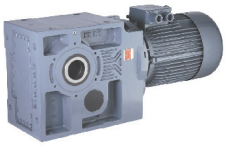
N ...

13 farklı büyüklükte;
Moment aralığı: 50 - 18.000 Nm
Devir aralığı: 0,1 - 500 d/dak
13 different sizes:
Torque range: 50 - 18.000 Nm
Speed range: 0,1 - 500 rpm
13 verschiedene Baugrößen:
Drehmomentbereich:50 - 18.000 Nm
Drehzahlbereich : 0,1 - 500 U/min



E ...

8 farklı büyüklükte;
Moment aralığı: 5 - 1.000 Nm
Devir aralığı: 0,1 - 400 d/dak
8 different sizes:
Torque range: 5 - 1.000 Nm
Speed range: 0,1 - 400 rpm
8 verschiedene Baugrößen:
Drehmomentbereich: 5-1.000 Nm
Drehzahlbereich : 0,1-400 U/min



K ...

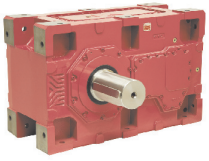
7 farklı büyüklükte;
Moment aralığı: 200 - 15.000 Nm
Devir aralığı: 0,1 - 400 d/dak
7 different sizes:
Torque range: 200 - 15.000 Nm
Speed range: 0,1 - 400 rpm
7 verschiedene Baugrößen:
Drehmomentbereich:200 - 15.000 Nm
Drehzahlbereich : 0,1 - 400 U/min

D...

10 farklı büyüklükte;
Moment aralığı: 130 - 18.000 Nm
Devir aralığı: 0,1 - 350 d/dak
10 different sizes:
Torque range: 130 - 18.000 Nm
Speed range: 0,1 - 350 rpm
10 verschiedene Baugrößen:
Drehmomentbereich: 130 - 18.000 Nm
Drehzahlbereich : 0,1 - 350 U/min

Y ...

25 farklı büyüklükte;
Moment aralığı: 1200 - 43000 Nm
Devir aralığı: 2,6 - 990 d/dak
25 different sizes:
Torque range: 1200 - 43000Nm
Speed range: 2,6 - 990 rpm
25 verschiedene Baugrößen:
Drehmomentber. :1200-43000 Nm
Drehzahlbereich : 2,6-990 U/min



H ...

13 farklı büyüklükte;
Moment aralığı: 2.500 - 150.000 Nm
Devir aralığı: 0,1 - 250 d/dak
14 different sizes:
Torque range: 2.500 - 150.000 Nm
Speed range: 0,1 - 250 rpm
14 verschiedene Baugrößen:
Drehmomentber. :2.500 - 150.000 Nm
Drehzahlbereich : 0,1 - 250 U/min

B ...

13 farklı büyüklükte;
Moment aralığı: 5.000 - 150.000 Nm
Devir aralığı: 0,1 - 115 d/dak
13 different sizes:
Torque range: 5.000 - 150.000 Nm
Speed range: 0,1 - 115 rpm
13 verschiedene Baugrößen:
Drehmomentber. :5.000-150.000 Nm
Drehzahlbereich : 0,1-115 U/min

P ...

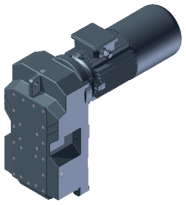
10 farklı büyüklükte;
Moment aralığı: 1.000 - 50.000 Nm
Tahvil oranları: 3,5 - 3000 arası
10 different sizes:
Torque range: 1.000 - 50.000 Nm
Transmission ratio: 3,5 - 3000
10 verschiedene Baugrößen:
Drehmomentber. : 1.000 - 50.000 Nm
Übersetzung: 3,5 - 3000

R ...

10 farklı büyüklükte;
Moment aralığı: 1.000 - 50.000 Nm
Tahvil oranları: 3,5 - 3000 arası
10 different sizes:
Torque range: 1.000 - 50.000 Nm
Transmission ratio: 3,5 - 3000
10 verschiedene Baugrößen:
Drehmomentber. : 1.000 - 50.000 Nm
Übersetzung: 3,5 - 3000

TT ...

10 farklı büyüklükte;
Moment aralığı: 200 - 18.000 Nm
Devir aralığı: 46 - 280 d/dak
10 different sizes:
Torque range: 200-18.000 Nm
Speed range: 46-280 rpm
10 verschiedene Baugrößen:
Drehmomentber. :200-18.000 Nm
Drehzahlbereich : 46-280 U/min



VR ...

VR vinç redüktörleri
M1 - M8 ,(1Dm - 5m) yük sınıfı
ISO 4301 / 1 ,(FEM 1.001 / III)
VR Hoist Drive Units
M1 - M8 ,(1Dm - 5m) load classification
ISO 4301 / 1 ,(FEM 1.001 / III)
VR Kran und Hebezeug Getriebe
M1 - M8 ,(1Dm - 5m) Belastungsart
ISO 4301 / 1 ,(FEM 1.001 / III)

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TT Serisi Redüktörler

TT Serisi redüktörler monoblok gövde prensibine göre üretilen, helisel dişli iki kademe motorsuz delik milli redüktörlerdir.

Monoblok gövde yapısı sayesinde gövde eksenleri tek operasyonda işlenerek yüksek imalat hassasiyeti sağlanmaktadır. Sadece iki kademe olan TT Serisi redüktörlerde dişli yerleşimleri gövde hacmi minimum olacak şekilde optimize edilmiştir. Böylece yüksek tork değerlerini daha küçük hacimde vermek mümkün olmuştur.GG20 pik malzemeden dökülen gövde ve yüksek kalitede taşlanmış ve sertleştirilmiş sementasyon çeliği dişliler kalite kontrol sistemi altında sürekli kontrol altında tutularak imal edilmektedir.

TT Serisi redüktörler delik milli olması ve kompakt gövde yapısı sayesinde daha küçük hacimli alanlara montajı yapılabilmektedir. Gövde üzerinde verilen tork kolu bağlantı delikleri ile makine üzerine montajı yapılmaktadır. Motorsuz olarak üretilen TT serileri genelde kayış-kasnak mekanizmaları ile tahrik edilmektedirler. Bundan dolayı redüktör seçimi yapılırken redüktör giriş devrine göre seçim yapılmalıdır ve giriş milinde oluşacak radyal yük değeri katalogda verilen müsaade edilen radyal yük değerlerine göre kontrol edilmelidir.

Müşteri isteğine göre sıkma bilezik ve mekanik kilit opsiyonu mevcuttur. 10 adet gövde büyüklüğüne sahip TT serisi redüktörler 200Nm'den 18.000Nm ye kadar nominal tork değerlerine sahiptir.

TT Series Gearboxes

TT Series are gear units which are helical geared, two staged, hollow shaft mounted gear units and manufactured according to monoblock principal.

Because of monoblock housing, all axis are machined on a single operation to achieve high precision two staged TT Series, the gears are arranged to optimise minimum housing volume. So that it was possible to get higher torque values in smaller housing volumes. Housing material is GG20 cast iron and gears are made of high quality case carbonized steel. Material properties as well as manufacturing processes are controlled constantly.

TT Series gearboxes have hollow shaft and compact housing so that TT series can be mounted on smaller places. The assembly of the gear unit to the machine is made by using torque arms. The connection holes on the gear units are used for the mounting.
TT Series which are manufactured without motor, are driven with belt pulley mechanism. For the selection of the gear unit the overhung load acting on the input shaft have to be checked against the permissible values on the performance tables according to the input speed.

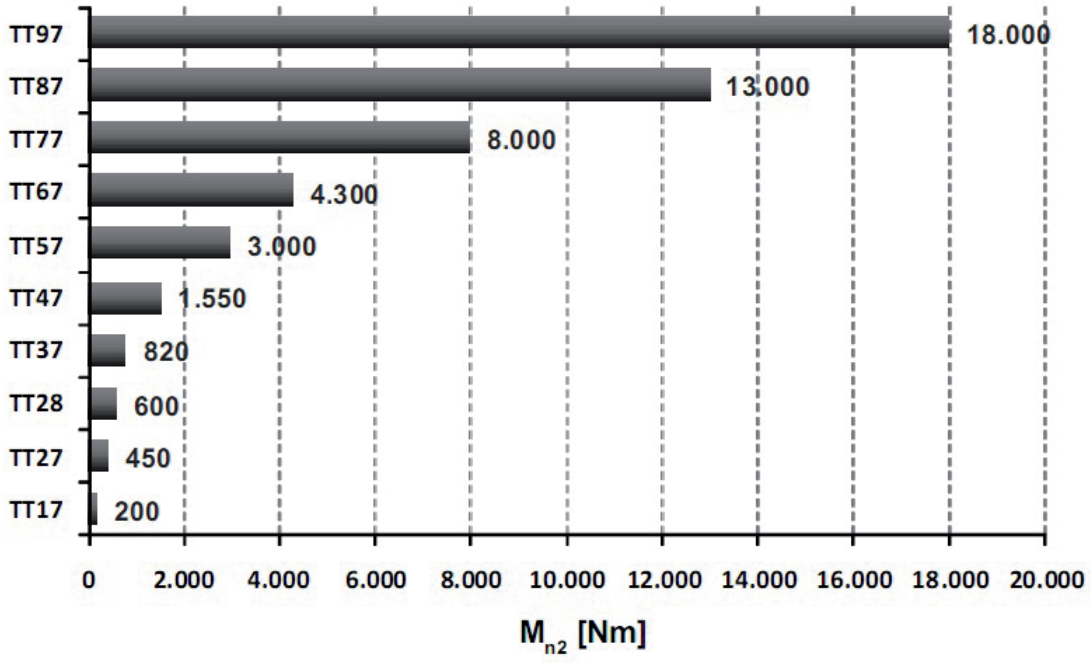
Shrink disc and backstop is available according to customer requirement. TT series have 10 different size and nominal torque values from 200Nm up to 18.000Nm.

TT Serien Getriebe

TT Serien Getriebe sind 2 Stufige, Schägverzahnte Hohlwellenflachgetriebe in Monoblockgehäusekonstruktion. DieGetriebeachsenzentren sind in einer Aufspannung bearbeitet, damit mann die höhste Genauigkeit erreichen kann. Die Zahräder sind optiomal positioniert für höchste Momente bei kleinstem Platzbedarf. Damit könten wir höhere Drehmomente mit kleineren Volumen ereichen. Die Gehäuse sind aus GG20 Gußeisen und die Zahnräder sind aus gehärted und geschliffem Einsatzstahl.Die Fertigung aller Teile wird konturierlisch von unseren Qualitätskontrolle Überwacht . ie

TT Serie hat eine Kompaktgehäuse und ist Serienmässig mit Abgangs-hohlwelle hergestelt, so das das Getriebe minimallen Platzbedarf hat. Es wird an der Maschine mit einer Drehmomentstütze montiert. Die Getriebe der TT Serie sind mit massiver Antriebswelle gefertigt und der Antrieb sollte mit einem Riementrieb erfolgen. Darum müßen die Querkräfte auf der Antriebswelle nach den Angaben in diesem Katalog kontroliert werden.

İn das Getriebe können Rüchlaufsperren nach Kundenwunsch eingebaut werden. Auf wunch können die Getriebe mit Schrumpfscheibe geliefert werden.
Die TT Serie giebt es in 10 verschiedenen Baugrösen von 200 Nm bis 18.000Nm.



Tip Tanımlaması / *Unit Designation* **/** Typenbezeichnungen

TT 57 . 00 . K - M1

Montaj Pozisyonu / *Mounting Position* / Getriebe Bauformen

M1 : Redüktör dikey ve giriş mili çıkışın üzerinde
Gear unit is upright and input shaft is over output shaft
Stehendes Getriebe, Antriebswelle liegt oben über der Abtriebswelle

M2 : Giriş mili yere dik ve yukarıya bakıyor
Input shaft is vertical to earth and input shaft points to sky
Antriebswelle ist vertikal zur Erde und Antriebswelle steht nach oben

M3 : Redüktör dikey ve giriş mili çıkışın altında
Gear unit is upright and input shaft is under output shaft
Stehendes Getriebe, Antriebswelle liegt unten unter der Abtriebswelle

M4 : Giriş mili yere dik ve aşağıya bakıyor
Input shaft is vertical to earth and input shaft points to earth
Antriebswelle ist vertikal zur Erde und Antriebswelle steht nach unten

M5 : Giriş ve çıkış mili yere paralel, giriş aşağıda
Input and output shaft is paralel to earth, input shaft is under
Antriebswelle und Abtriebswelle ist parallel zur Erde, Antriebswelle unten

M6 : Giriş ve çıkış mili yere paralel, giriş yukarıda
Input and output shaft is paralel to earth, input shaft is over
Antriebswelle und Abtriebswelle ist parallel zur Erde, Antriebswelle oben

Kilit opsiyonu / *Backstop option* / Rücklaufsperren option

K : Kilit var
Backstop is avaliable
Mit Rücklaufsperre

- : Kilit yok
Backtop is unavaliable
Ohne Rücklaufsperre

Çıkış delik çapı / *Output hollow shaft diameter* / Abtriebshohlwellendurchmesser

00 : Standart delik mil çapı / Standart hollow shaft diameter / Standart Hohlwellen Ausführung
0X : Özel delik mil çapı / Special hollow shaft diameter / Sonder Hohlwellen Ausführung
0S : Sıkma bilezikli delik mil / Hollow shaft with shrink disc / Hohlwellen Ausführung mit Schrumpfscheibe

Redüktör büyüklüğü / *Gear unit size* / Getriebe Baugröbe

17...97 arasında değişen gövde büyüklüğü
Sizes from 17 to 97
Getriebe Baugröße von 17 bis 97

Temel tip tanımlaması / Serie of gear unit / Getriebetyp

TT : Helisel dişli iki kademe motorsuz redüktör
Two stage helical gear unit
Zwei Stufiges Flachgetriebe

Genel Bilgiler
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Servis Faktörü

Servis faktörü (fs) redüktörün çalıştığı şartlar ile uyumlu olması için gerekli olan emniyet katsayısıdır. ‘’fs =1’’ Düzgün ve sakin yüklerde, günlük sekiz saat ve saatte yüz start çalışmayı karşılar.

Aşağıdaki etkenlere bağlıdır:

- Günlük çalışma süresi
- Yük sınıfı
- Bir saatteki start sayısı
- Redüktör tahrik tipi
- Diğer gözlemler

Bu etkenleri göz önüne aldığımızda, gerekli servis faktörünü belirlemek için:
1. Makinanın günlük çalışma süresini tespit ediniz.
2. Makinanın ne türde yükler verdiğini tespit ediniz (Sayfa 17-18).

U - Düzgün ve sabit yükler
M - Orta darbeli yükler
H - Ağır darbeli yükler

Yük sınıfının daha teknik seçimi için rotora indirgenmiş toplam atalet momenti formülünden faydalanabilirsiniz (Sayfa 20).
3. Saatteki start sayısını tespit ediniz.
4.İlk üç maddeye bağlı servis faktörünü aşağıdaki tablodan seçiniz.

5. fs Redüktürümüzün tahrik tipine bağlı olarak “k” katsayısı ile çarpılarak arttırılır.

k=1	:Elektrik motoru veya hidromotor
k=1.25	:İçten yanmalı çok silindirli motor
k=1.5	:İçten yanmalı tek silindirli motor

Service Factor

Service Factor (fs) is a safety coefficient, which takes into account the different running conditions of the driven machine.’’ fs=1’’ is used for uniform loads 8 hours working per day and up to 100 starts per hour.

Service factor depends on:

- *Running time*
- *Nature of load*
- *Frequency of starting*
- *Driver type*
- *Other considerations*

For the right selection of the needed service factor for your machine;
1. Determine the running time of driven machine.

2. Select the nature of load of driven machine (Page 17-18).

U - Uniform loads
M - Moderate loads
H - Heavy shock loads

For a better selection, the nature of load can be calculated from the formulas given (page 20).

3. Determine frequency of starting.
4. After determining the above mentioned factors, the service factor can be easily selected from the table given bellow.
5. The selected service factor multiplied with the factor ‘’k’’ according to the driver type;

k=1	*:Electric motor or Hydraulic motor*
k=1.25	*:Multicylinder internal combustion engine*
k=1.5	*:Single cylinder internal combustion engine*

Betriebsfaktor

Der Betriebsfaktor (fs) ist ein Sicherheitsfaktor für die Getriebe, damit sie unter den Betriebsbedingungen sicher arbeiten. ‘’fs =1’’ steht für gleichförmige Belastung, 8 Studen pro Tag und bis zu 100 Schaltungen pro Stunde.

Betriebsfaktor ist abhängig von:

- Betriebsdauer
- Belastungsart
- Schalthäufigkeit
- Antriebsart
- Andere Faktoren

Um die richtigen Betriebsfaktor festzulegen;

1. Betriebsdauer der angetriebenen Maschine bestimmen.
2. Belastungsart der angetriebenen Maschine auswählen.

U - Gleichförmige Belastung
M - Ungleichförmige Belastung
H - Stark Ungleichförmige Belastung

Um eine bessere Auswahl zu treffen, können die Belastungsarten mit den angegebenen Formeln (Seite 20) errechnet werden.
3. Schalhäufigkeit bestimmen.
4. Nach Bestimmen der oben angegebenen Werte, können die Betriebsfaktoren von der unten stehenden Tabelle entnommen werden.
5. Der ausgewählte Betriebsfaktor muß mit dem Faktor ‘’k’’ abhängig von der Antriebsart multipliziert werden

k=1	:Elektromotor oder Hydraulikmotor
k=1.25	:Vielzylindermotor
k=1.5	:Einzylindermotor

U	**Uniform Yük** *Uniform Loads* Gleichförmige Last	Fi<0,25
M	**Orta Darbeli Yük** *Moderate Loads* Ungleichförmige Last	Fi <3
H	**Darbeli Yük** *Heavy Shock Loads* Stark Ungleichförmige Last	Fi <10

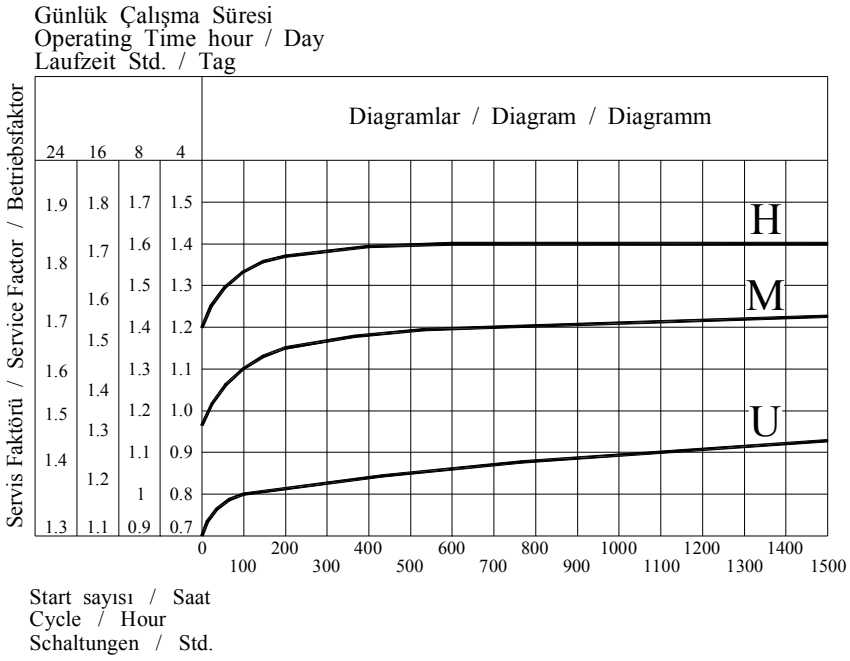
$$J'_{ext} = \frac{J_{ext}}{i^2}$$

$$F_i = \frac{J'_{ext}}{J_{rotor}}$$

J_{ext} : **Motor miline indirgenmiş toplam dış atalet momenti**
External moments of inertia reduced to the motor shaft
Externe Massenträgheitsmomente reduziert auf Motorwelle

i : **Tahvil oranı**
Transmission ratio
Übersetzung

J_{rotor}: **Motorun atalet momenti**
Moments of inertia to the motor
Massenträgheitsmoment



Genel Bilgiler
General Information
Einführung

Radyal Yükler

Çıkış miline gelebilecek radyal yükler yatak ömrüne göre belirlenmiş ve tablo halinde verilmiştir. Bu tabloda verilen F güvenilir radyal yükü f=1 şartı ve yükün mil ortasını yüklediği durum için verilmiştir. Darbeli yüklerin olması durumunda daha önce verilmiş olan servis faktörü tablosundaki değerler dikkate alınmalıdır. Güvenilir aksiyal yük (Fveya F) verilen güvenilir radyal yükün (F veya F) %25'i kadar alınır. Verilen radyal ve eksenel yükler kuvvetin en kötü açı şartında etkidiği durum için verilmiştir. Mil ortasına gelen kuvvetin açısına göre daha yüksek radyal yükler mümkündür (Firmamıza danışınız). Bağlantı şekline göre oluşan radyal yük Fq sayfa 21 de verilen formüller yardımı ile hesaplanır.
Redüktör seçiminde ;

$$F_q \leq F_{qgv}$$

şartı göz önünde tutulmalı.Eğer etkiyen radyal kuvvet milin orta noktasında değil ise verilen güvenilir değerin aşağıda verilen formül ile düzeltilmesi gerekir.

$$F_{qam}' = F_{qam} \times \frac{t}{y+u}$$

$$F_{qem}' = F_{qem} \times \frac{t}{y+u}$$

"t", "y" Değerleri aşağıda verilmiştir. "u" Değeri görüldüğü gibi kuvvetin uygulama noktasıdır.

Overhung Loads

The permissible overhung loads are calculated by considering working life and is listed on the tables. The given permissible overhung loads F are based on f=1 and are valid for forces which are applied to the midpoint of the shaft.
For shock loading applications the service factor given on the table must take into consideration. The permissible axial load (For F) *is %25 x* (F or F). *The listed permissible overhung loads are based on the worst loading direction. Higher overhung loads can be applied for different loading directions (Please ask if requested). The effective overhung load at the gear box shaft Fq will be determined with the given formulas on page 21.*
In Selection ;

$$F_q \leq F_{qgv}$$

these formulas must be taken into consideration. If the load is not applied at the midpoint of the shaft; the given permissible load must be corrected with the following formulas.

$$F_{qam}' = F_{qam} \times \frac{t}{y+u}$$

$$F_{qem}' = F_{qem} \times \frac{t}{y+u}$$

The values "t","y" can be taken from the below table. The value "u" is the lenght of the application point as shown below.

Querkräfte

Die in den nachfolgenden Tabellen angegebenen zulässigen Radialbelastungen F gelten bei Kraftangriff auf die Mitte Wellenendes. Den Angaben liegt der Betriebsfaktor f=1 zu Grunde. Bei stoßartigen Belastungsfällen ist auch hier der entsprechende Betriebsfaktor zu berücksichtigen. Zulässige Axialkräfte F oder F können ohne weitere Nachrechnung bis zu einer Höhe von ca. 25% der zulässigen Radialbelastung F oder F aufgenommen werden. Bei der Ermittlung der zulässige Querkräfte sind höhere Werte möglich (Bitte Rückfragen). Die auftretende Querkraft Fq ab der Getriebewelle wird wie in der nachfolgenden Formel bestimmt.

Bei dieser Auswahl;

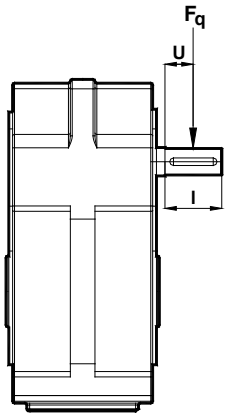
$$F_q \leq F_{qgv}$$

müßen die oben agegebenen Bedingungen berücksichtigt werden.Ist der Kraftangriff nicht auf Wellenmitte, so kann die zulässige Querkraft mit Hilfe der unten stehenden Formel auf jede beliebige Stelle umgerechnet werden.

$$F_{qam}' = F_{qam} \times \frac{t}{y+u}$$

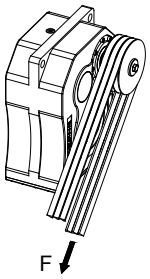
$$F_{qem}' = F_{qem} \times \frac{t}{y+u}$$

Die Werte "t" und "y" sind in den nacholgenden Tabellen angegeben. Der Wert "u" ist die Stelle des Kraftangriffs wie auf der nächsten Seite angegeben.



Radyal kuvvet hesabı düzeltme katsayıları
Overhung load correcting values
Querkraft korrigierungszahlen

Tip *Type* Typ	**TT17**	**TT27**	**TT28**	**TT37**	**TT47**	**TT57**	**TT67**	**TT77**	**TT87**	**TT97**
t	114	128	133	140	160	203	238	270	305	333
y	94	108	108	115	130	163	183	215	250	278
l	40	40	50	50	60	80	110	110	110	110



Radyal Yüklerin Hesabı

Radyal Yük Fq [N]'nun hesaplanmasında, gerekli tahrik momenti M [Nm], kasnak veya dişli çapı D [mm] olmak üzere aşağıdaki formüller kullanılır.

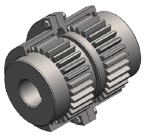
Calc. Of Overhung Loads

Radial Load Fq [N] is calculated with the following equations where required moment M [Nm] and hoop or gear diameter D [mm] is used.

Berechnung der Querkräfte

Der Fall der radialen Belastung Fq [N] kann mit den angegebenen Gleichungen berechnet werden. Antriebsmoment M [Nm] und Zahnrad- oder Riemenscheiben Durchmesser D [mm].

1

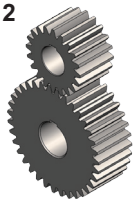


1. Elastik Kaplin
Çalışma sırasında oluşan sapmalar kaplinin güvenlik sınırları içinde ise kuvvetler ihmal edilebilir.

1. Elastic Coupling
If Elastic Coupling is working in its reliable working area, the overhung loads can be neglected.

1. Elastische Kupplung
Wenn die elastische Kupplung in ihrem zulässigen Arbeitsbereich arbeitet, können die radialen Belastungen vernachläßigt werden.

2



2. Düz Dişli
(20° kavrama açısı)

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

2. For Spur Gear
(Pressure angle 20°)

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

2. Stirnradgetriebe
(Angriffswinkel 20°)

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

3

3. Küçük Hızlarda Zincir Dişli (z>17)

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

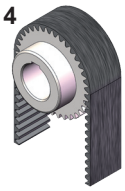
3. For Chain Drive With Low Speed (z>17)

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

3. Kettenantrieb mit niedriger Geschwindigkeit (z>17)

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

4



4. Triger Kayış

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

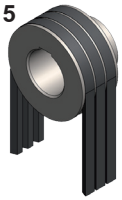
4. For Trigger Belt

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

4. Zahnriemenantrieb

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

5



5. V Kayış

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

5. For V Belt

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

5. Keilriemenantrieb

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

6

6. Gerdirme Makaralı Kayış

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

6. Flat Belt With Spanning Pulley

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

6. Flachriemenantrieb mit Spannungstrommel

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

Genel Bilgiler
General Information
Einführung

Yağlama

Redüktörlerin uzun ömürlü olması ve iyi performansla çalışabilmesi için, kullanılan yağın seçimi doğru olmalı ve belirtilen zamanlarda değişimleri yapılmalıdır.

Yağın seçiminde devir, çevre sıcaklığı, redüktör yağ sıcaklığı, çalışma koşulları ve yağ ömrü önem taşımaktadır. Redüktörler yağı doldurulmuş olarak sevkedilmektedir. Redüktörler uzun süre depolanacakları zaman veya çalışmaya başlanacağı zaman çalışma konumuna göre üstte kalan tapa sökülmeli ve redüktörün beraberinde verilen havalandırma tapası kullanılmalıdır. Bu redüktörün iç basıncından dolayı oluşacak yağ sızmalarını önleyecektir.

Mineral yağlar her 10.000 çalışma saatinde, sentetik yağlar ise her 20.000 çalışma saatinde değiştirilmelidir. Ağır çevre koşullarında (ani ısı değişiklikleri, yüksek nemlilik v.b) yağ değiştirme periyotlarının kısaltılması tavsiye edilir. Mineral yağlar ile sentetik yağlar birbirine kesinlikle karıştırılmamalıdır. Değiştirme işlemi bir çalışma periyodunun hemen peşinden ve yağ sıcakken yapılmalıdır. Bu şekilde bir değiştirme, redüktör içindeki partiküllerin yağa karışmış olarak bulunmasından dolayı iyi bir temizleme ve yağın rahat boşalması neticesini verecektir.

TT serisi redütörlerde ISOVG 220 viskoziteli mineral yağ kullanılmaktadır. Özel çalışma sartları için yağ viskozitesi ve yağ cinsi değiştirebilir.

Lubrication

To work in perfect condition and to have long life for the gear box the lubricant must be chosen correctly and changed in time.

In selection of oil it is important to consider speed, ambient temperature, gear box oil temperature, working conditions and the life required from the lubricant. All units are filled with lubricant before shipping. Before the gearbox is stored for a long time or before starting up, the top plug (according to the working position) must be removed and the extra given vent plug must be replaced. This prevents excessive pressure which causes oil leakages.

The mineral lubricant should be changed after every 10.000 service hours and the synthetic lubricant should be changed after every 20.000 working hours. If the operation conditions are very heavy (e.g. high temperature differences, high humidity) shorter intervals between changes are recommended. Mineral and synthetic oils must not be mixed up. By changing the lubricant complete cleaning is advised. The oil change should be done after a working period. Because oil is hot in this condition and impurities are mixed with it the changing of oil will be done in best result and the oil will drain easily.

TT series gear units are filled with mineral oil ISO VG220. Oil viscosity and oil type can be changed for different working conditions.

Schmierung

Um eine lange Lebensdauer zu gewährleisten muss der Schmierstoff richtig ausgewählt werden.

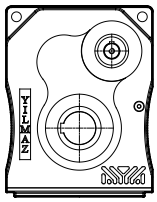
Für die richtige Ölauswahl müssen Drehzahl, Umgebumgstemparatur, Belastungsart und Lebensdauer des Öls berücksichtigt werden. Die mitgelieferte Entlüftungsschraube ist vor Inbetriebnahme oder längeren Lagern gegen die Einfüllschraube auszutauchen, um einen Überdruck im Getriebe und damit eine Undichtigkeit des Getriebes zu vermeiden. Getriebe und Getriebemotoren sind bei Auslieferung betriebsfertig gefüllt.

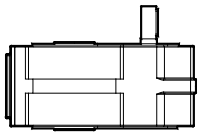
Ein Schmierstoffwechsel sollte alle 10.000 Betriebsstunden durchgeführt werden. Für synthetische Produkte verdoppeln sich diese Fristen. Bei extremen Betriebsbedingungen, z.B. hohe Luftfeuchtigkeit, aggresiver Umgebung und hohen Temparatur-schwankungen sind kürzere Schmierstoffintervalle vorteilhaft. Es ist enpfehlenswert, dem Schmierstoffwechsel mit einer gründlichen Reinigung des Getriebes zu verbinden. Synthetische und mineralische Schmierstoffe dürfen nicht miteinander vermischt werden. Das Ablassen des Öls soll unmittelbar nach dem stilsetzen erfolgen, solange das Öl noch warm ist. In dieser Zustand ist das Öl mit den Smutzpartickeln vermicht, so dass eine Entfernung des Altöls eine gute Reinigung garantiert.

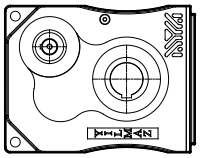
TT Serien Getriebe sind mit ISO VG220 Mineralöl gefüllt. Andere Öle können nach Kurdenwunsch befüllt geliefert werden .

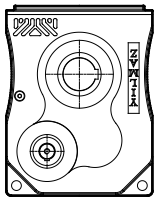
Yağ Cinsi *Lubricant* Art des Schmiers	**DIN 51517-3**	**Çevre Sıcaklığı [C°]** *Ambient Temperature* **[C°]** Umgebungstemperatur **[C°]** **Daldırma Yağlama** *Dip Lubrication* Tauchschmier.	**ISO VG**	**Aral**	**Beyond Petroleum**	**Castrol**	**Klüber Lubrication**	**Mobil**	**Shell**	**Total**
Mineral Yağlar *Mineral Oil* MineralÖl	**CLP**	0 ... +50	680	Degol BG 680	Energol GR-XP 680	Alpha SP 680	Klüberoil GEM 1-680 N	Mobilgear XMP 680	Omala 680	Carter EP 680
		-5 ... +45	460	Degol BG 460	Energol GR-XP 460	Alpha SP 460	Klüberoil GEM 1-460 N	Mobilgear XMP 460	Omala F460	Carter EP 460
		-10 ... +40	320	Degol BG 320	Energol GR-XP 320	Alpha SP 320	Klüberoil GEM 1-320 N	Mobilgear XMP 320	Omala F320	Carter EP 320
		-15 ... +30	**220**	**Degol BG 220**	**Energol GR-XP 220**	**Alpha SP 220**	**Klüberoil GEM 1-220 N**	**Mobilgear XMP 220**	**Omala F220**	**Carter EP 220**
		-20 ... +20	150	Degol BG 150	Energol GR-XP 150	Alpha SP 150	Klüberoil GEM 1-150 N	Mobilgear XMP 150	Omala 150	Carter EP 150
		-25... +10	100	Degol BG 100	Energol GR-XP 100	Alpha SP 100	Klüberoil GEM 1-100 N	–	Omala 100	Carter EP 100

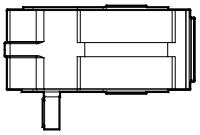
Montaj Pozisyonları / *Mounting Positions* / Bauformen

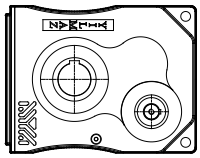

M1


M2


M6

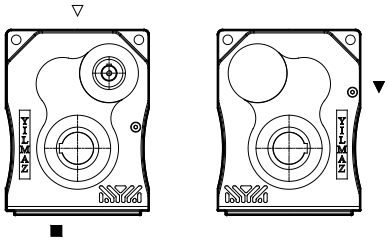

M3


M4

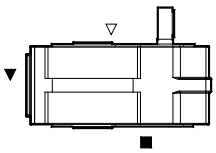

M5

Yağ Tapaları / *Oil Plugs* / Ölverschlußschrabe

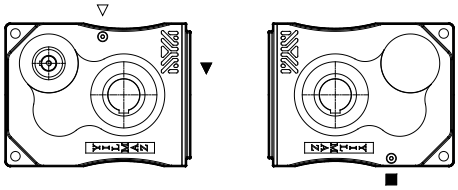
M1



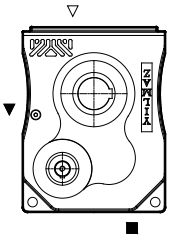
M2



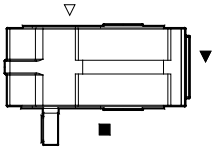
M6



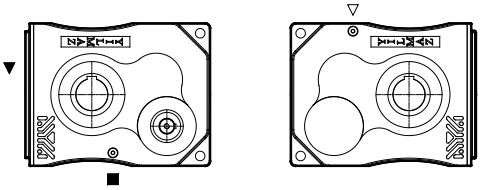
M3



M4



M5



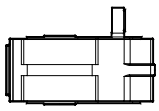
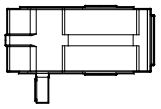
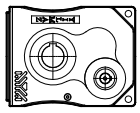
Semboller :
Symbols :
Symbole :

■ : **Yağ boşaltma**
: *Drain plug*
: Ölauslass

∇ : **Yağ doldurma ve havalandırma**
: *Oil Filling and Vent plug*
: Ölfüllung und Entlüftung

▼ : **Yağ seviyesi**
: *Oil level*
: Ölstand

Yağ Miktarları (lt) / *Oil Quantities (lt)* / Ölmengen Tabelle (lt)

Tip *Type* Type	 **M1**	 **M2**	 **M3**	 **M4**	 **M5**	 **M6**
TT17	1,0	0,95	0,7	0,95	0,8	0,8
TT27	1,8	1,4	1,2	1,6	1,5	1,5
TT28	2,1	2,0	1,3	1,8	1,75	1,75
TT37	2,6	2,6	1,9	2,5	2,4	2,4
TT47	4,0	4,0	3,0	4,2	3,6	3,6
TT57	8,5	8,0	6,7	7,6	6,9	6,9
TT67	13,0	13,2	10,0	12,5	12,5	12,5
TT77	19,0	20,3	14,7	18,5	17,0	17,0
TT87	27,2	28,6	23	27,9	27,5	27,5
TT97	45	47	35	47	40	40

Redüktör Dönüş Yönleri

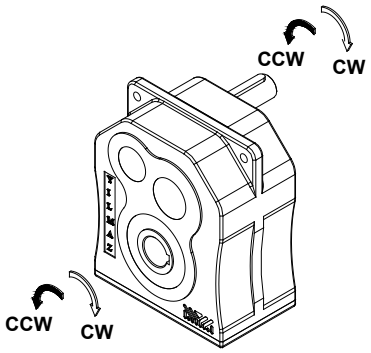
Giriş mili dönüş yönüne göre çıkış mili dönüş yönleri aşağıdaki gibidir.

Gear Unit Direction of Rotation

Output shaft rotation directions according to the input shaft rotation directions are as follows.

Getriebedrehrichtungen

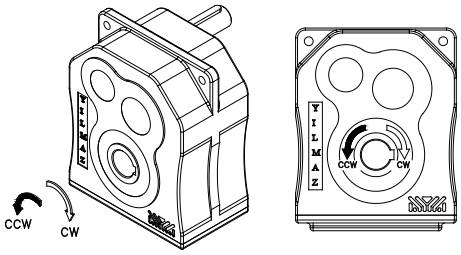
Drehrichtungen der Abtriebswelle im Abhängigkeit von der Antriebswellendrehrichtungen.



Kilitli redüktörlerin yön tanımlaması için aşağıdaki gösterilen çıkış milleri dönüş yönleri kullanılır.

The direction of rotation of output shaft for the gear units with backstop are defined as shown in the following drawings.

Für die Getriebe mit Rücklaufsperre bitte benutzen sie das folgende zeichnung für Drehrichtung defunierung



Sıkma Bilezik Bağlantısı

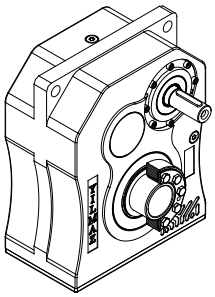
Müşteri isteğine göre sıkma bilezik uygulaması mevcutttur. Standartta kullanılan sıkma bilezik ölçüleri redüktör ölçü sayfalarında verilmiştir.

Shrink Disc Connection

Shrink disc application is avaliable according to customer's request. Dimensions of shrink disc which is used as standart is given on the tables of dimensions.

Schrumpfscheibenverbindung

Schrumpfscheiben können nach Kundenwunch montiert verden. Maßen für die Standart- ausführung sind auf dem Maßlälterseiten angegeben.



Redüktör Montajı

Firmamız tarafından tavsiye edilen montaj şekileri aşağıdaki gibidir. Çıkış mili dönüş yönü ve yük sınıfına göre bu montaj şekillerinden birini uygulayınız. Motor konumu için şekillerde gösterildiği gibi +/- 15 derece içinde kalınması önerilir.

Mounting of Gear Unit

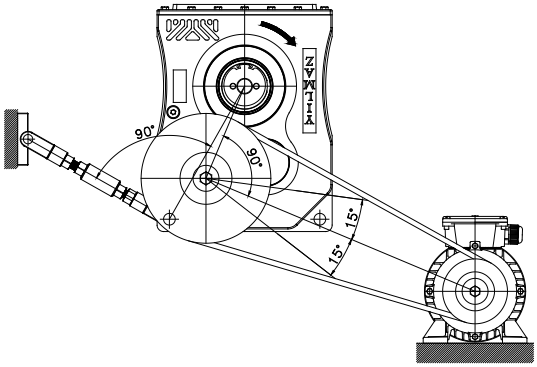
The advised mounting positions are shown below. According to the nature of load and direction of rotation refer to one of the drawings below. It is advised that the motor position is in a range of +/- 15 degree as shown.

Getriebe Montage

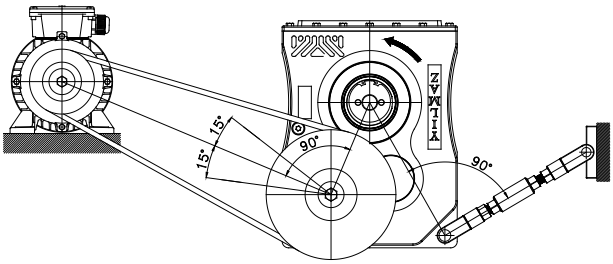
Die empfohlene Getriebemontagepositionen sind unten gezeichnet. Entsprechend Belastungsart und Drehrichtung wählen sie die entsprechende Zeichung. Es wird empfahlen den Motor in einem bereich von +/- 15 grad, wie unten gezeichnet, zu montieren.

Darbesiz ve orta darbeli yükler(fs≤1,6) / *Uniform and moderate loads(fs≤1,6)* / Gleichförmige oder Ungleichför. Belastung(fs≤1,6) ;

- cw dönüş yönü / *cw direction of rotation* / cw Drehrichtung

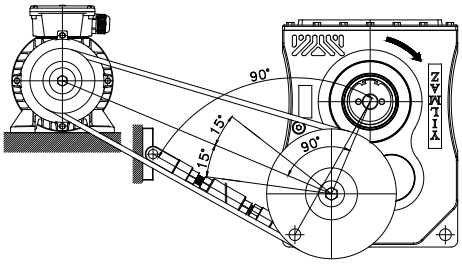


- ccw dönüş yönü / *ccw direction of rotation* / ccw Drehrichtung

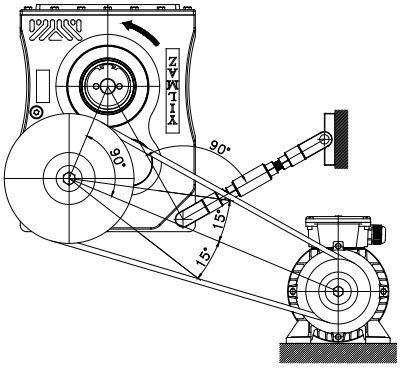


Ağır darbeli yükler(fs>1,6) / *Heavy loads(fs>1,6)* / Stark Ungleichförmige Belastung(fs>1,6) ;

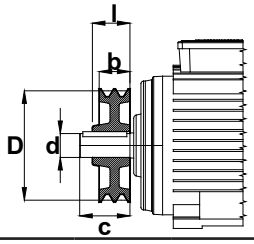
- cw dönüş yönü / *cw direction of rotation* / cw Drehrichtung



- ccw dönüş yönü / *ccw direction of rotation* / ccw Drehrichtung



Kayış Seçim Tablosu / *Belt Selection Table* / Schmakeilriemen Answahl tabellen



z : Kayış Sayısı / *Number of belts* / Riemenzahl

Motor Rulmanı Cinsi *Roller Bearing Type of Motor* Motor Lager Ausführung		**Devir Sayısı [d/dak] ve Motor Gücü [kW]** *Motor Speed [rpm] and Power [kW]* Drehzahl [upm] und Leistung [kW]				**Motor Mil Ölçüleri [mm]** *Motor Shaft Dim. [mm]* Motor wellende [mm]	**Profil** *Profile* Profil		**DIN2211**			
Bilyalı Rulmanlı Ball Bearing Rillenkugellager	**Masuralı Rulman** *Cylind. Roller Bearing* Zylinderrollenlager								**Kayış Ölçüleri [mm]** *Belt Dimensions [mm]* Schmalkeilriemen [mm]			
Motor Büyüklüğü *Motor Size* Motor Baugröße		**3000**	**1500**	**1000**	**750**	**dxc**	**ISO**	**DIN**	**D**	**z**	**b**	**l**
80	**-**	0.75	0.55	0.37	-	Ø19X40	SPZ	10	63	1	16	28
80	**-**	1.1	0.75	0.55	-	Ø19X40	SPZ	10	63	1	16	28
90S	**-**	1.5	-	-	-	Ø24X50	SPZ	10	63	1	16	28
90S	**-**	-	1.1	0.75	-	Ø24X50	SPZ	10	71	1	16	28
90L	**-**	2.2	-	-	-	Ø24X50	SPZ	10	63	2	28	35
90L	**-**	-	1.5	1.1	-	Ø24X50	SPZ	10	71	2	28	35
100L	**-**	3	-	-	-	Ø28X60	SPZ	10	71	2	28	35
100L	**-**	-	2.2	1.5	0.75	Ø28X60	SPZ	10	90	2	28	35
100L	**-**	-	3	1.5	1.1	Ø28X60	SPZ	10	90	2	28	35
112M	**-**	4	-	-	-	Ø28X60	SPZ	10	90	2	28	35
112M	**-**	-	4	2.2	1.5	Ø28X60	SPZ	10	112	2	28	35
132S	**-**	5.5	-	-	-	Ø38X80	SPZ	10	112	2	28	35
132S	**-**	7.5	-	-	-	Ø38X80	SPZ	10	112	2	28	35
132S	**-**	-	5.5	3	2.2	Ø38X80	SPZ	10	125	2	28	35
132M	**-**	-	7.5	4	3	Ø38X80	SPZ	10	140	3	40	40
132M	**-**	-	7.5	5.5	3	Ø38X80	SPZ	10	140	3	40	40
160M	**-**	11	-	-	-	Ø42X110	SPZ	10	160	3	40	45
-	**160M**	15	-	-	-	Ø42X110	SPZ	10	125	3	40	40
160M	**-**	-	11	7.5	4	Ø42X110	SPA	13	200	2	35	50
-	**160M**	-	11	7.5	5.5	Ø42X110	SPZ	10	140	4	52	52
160L	**-**	18.5	-	-	-	Ø42X110	SPA	13	200	2	35	50
-	**160L**		-	-	-	Ø42X110	SPZ	10	125	3	40	40
160L	**-**	-	15	11	7.5	Ø42X110	SPA	13	250	2	35	50
-	**160L**	-	15	11	7.5	Ø42X110	SPZ	10	140	5	64	52
180M	**-**	22	-	-	-	Ø48X110	SPA	13	200	2	35	50
-	**180M**	22	-	-	-	Ø48X110	SPZ	10	140	4	52	52
180M	**-**	-	18.5	-	-	Ø48X110	SPA	13	250	2	35	50
-	**180M**	-	18.5	-	-	Ø48X110	SPZ	10	160	5	64	60
180L	**-**	-	22	15	11	Ø48X110	SPB	17	315	2	44	60
-	**180L**	-	22	15	11	Ø48X110	SPA	13	180	4	65	60
200L	**-**	30	-	-	-	Ø55X110	SPB	17	250	3	63	60
200L	**-**	37	-	-	-	Ø55X110	SPB	17	250	3	63	60
-	**200L**	30	-	-	-	Ø55X110	SPA	13	160	4	65	50
-	**200L**	37	-	-	-	Ø55X110	SPA	13	160	4	65	50
200L	**-**	-	30	18.5	15	Ø55X110	SPB	17	315	2	44	60
200L	**-**	-	30	22	15	Ø55X110	SPB	17	315	2	44	60
-	**200L**	-	30	18.5	15	Ø55X110	SPA	13	180	5	80	65
	200L	-	30	22	15	Ø55X110	SPA	13	180	5	80	65
225M	**-**	45	-	-	-	Ø55X110	SPB	17	280	2	44	50
-	**225M**	45	-	-	-	Ø55X110	SPA	13	160	5	80	50
225S	**-**	-	37	-	18.5	Ø60X140	SPB	17	355	2	44	60
-	**225S**	-	37	-	18.5	Ø60X140	SPA	13	200	5	80	65
225M	**-**	-	45	30	22	Ø60X140	SPB	17	450	2	44	60
-	**225M**	-	45	30	22	Ø60X140	SPB	17	224	4	82	60
250M	**-**	55	-	-	-	Ø60X140	SPB	17	315	3	63	60
-	**250M**	55	-	-	-	Ø60X140	SPA	13	180	5	80	65
250M	**-**	-	55	37	30	Ø65X140	SPB	17	500	2	44	65
-	**250M**	-	55	37	30	Ø65X140	SPB	17	224	4	82	60
-	**280S**	-	75	45	37	Ø75X140	SPB	17	315	6	120	100
-	**280M**	-	90	55	45	Ø75X140	SPC	22	355	4	110,5	100
-	**315S**	-	110	75	55	Ø85X170	SPC	22	355	5	136	110
-	**315M**	-	132	110	75	Ø85X170	SPC	22	400	6	161,5	120

280 ve 315 Tip Motorlar için verilen değerler normda belirtilmemiştir, verilen datalar tavsiye edilen değerlerdir. / *280 and 315 types motor values are not indicated on standarts, Given datas are for advising.* / Die Werte für Motoren mit 280 und 315 Baugrößen sind nicht in Normen vorgegeben, Angaben sind nur Vorschläge.

Giriş Milinde Oluşan Radyal Yükler / *Overhung Loads on Input Shaft* / Qerkräfte auf Antriebswelle

Motor Büyüklüğü *Motor Size* Motor Baugröβe	Motor Devir[d/dak] *Speed [rpm]* Drehzahl [upm]	Motor Gücü [kW] *Power [kW]* Leistung [kW]	Seçilen Motor Kasnak *Selected Belt Pulley of Motor* Keilriemen Scheibe am Motor		Redüktör Tarafı Kasnak Çapı [mm] *Gearbox Pulley Diameter [mm]* Keilriemen Scheibe am Getriebe [mm] Çevrim oranı / *Ratio* / Undersetzung					Radyal Yük [N] *Radial Force [N]* Querkraft [N]
			Profil -z	D [mm]	1	1.5	2	2.5	3	
80	1000	0.37	SPZ-1	63	63	95	126	158	189	269
80	1000	0.55	SPZ-1	63	63	95	126	158	189	400
80	1500	0.55	SPZ-1	63	63	95	126	158	189	267
80	1500	0.75	SPZ-1	63	63	95	126	158	189	364
80	3000	0.75	SPZ-1	63	63	95	126	158	189	182
80	3000	1.1	SPZ-1	63	63	95	126	158	189	267
90S	1000	0.75	SPZ-1	71	71	107	142	178	213	484
90S	1500	1.1	SPZ-1	71	71	107	142	178	213	473
90S	3000	1.5	SPZ-1	63	63	95	126	158	189	364
90L	1000	1.1	SPZ-2	71	71	107	142	178	213	710
90L	1500	1.5	SPZ-2	71	71	107	142	178	213	646
90L	3000	2.2	SPZ-2	63	63	95	126	158	189	534
100L	1000	1.5	SPZ-2	90	90	135	180	225	270	764
100L	1500	2.2	SPZ-2	90	90	135	180	225	270	747
100L	1500	3	SPZ-2	90	90	135	180	225	270	1019
100L	3000	3	SPZ-2	71	71	107	142	178	213	646
112M	1000	2.2	SPZ-2	112	112	168	224	280	336	900
112M	1500	4	SPZ-2	112	112	168	224	280	336	1091
112M	3000	4	SPZ-2	90	90	135	180	225	270	679
132S	1000	3	SPZ-2	125	125	188	250	322	375	1100
132S	1500	5.5	SPZ-2	125	125	188	250	322	375	1345
132S	3000	5.5	SPZ-2	112	112	168	224	280	336	750
132S	3000	7.5	SPZ-2	112	112	168	224	280	336	1023
132M	1000	4	SPZ-3	140	140	210	280	350	420	1310
132M	1000	5.5	SPZ-3	140	140	210	280	350	420	1801
132M	1500	7.5	SPZ-3	140	140	210	280	350	420	1637
160M	1000	7.5	SPA-2	200	200	300	400	500	600	1719
160M	1000	7.5	SPZ-4	140	140	210	280	350	420	2456
160M	1500	11	SPA-2	200	200	300	400	500	600	1681
160M	1500	11	SPZ-4	140	140	210	280	350	420	2401
160M	3000	11	SPZ-3	160	160	240	320	400	480	1051
160M	3000	15	SPZ-3	125	125	188	250	322	375	1834
160L	1000	11	SPA-2	250	250	375	500	625	750	2017
160L	1000	11	SPZ-5	140	140	210	280	350	420	3602
160L	1500	15	SPA-2	250	250	375	500	625	750	1834
160L	1500	15	SPZ-5	140	140	210	280	350	420	3274
160L	3000	18.5	SPA-2	200	200	300	400	500	600	1413
160L	3000	18.5	SPZ-3	125	125	188	250	322	375	2261
180M	1500	18.5	SPA-2	250	250	375	500	625	750	2261
180M	1500	18.5	SPZ-5	160	160	240	320	400	480	3534
180M	3000	22	SPA-2	200	200	300	400	500	600	1681
180M	3000	22	SPZ-4	140	140	210	280	350	420	2401
180L	1000	15	SPB-2	315	315	473	630	788	945	2183
180L	1000	15	SPA-4	180	180	270	360	450	540	3820
180L	1500	22	SPB-2	315	315	473	630	788	945	2134
180L	1500	22	SPA-4	180	180	270	360	450	540	3735
200L	1000	18.5	SPB-2	315	315	473	630	788	945	2692
200L	1000	18.5	SPA-5	180	180	270	360	450	540	4711
200L	1000	22	SPB-2	315	315	473	630	788	945	3202
200L	1000	22	SPA-5	180	180	270	360	450	540	5603
200L	1500	30	SPB-2	315	315	473	630	788	945	2910
200L	1500	30	SPA-5	180	180	270	360	450	540	5093
200L	3000	30	SPB-3	250	250	375	500	625	750	1834
200L	3000	30	SPA-4	160	160	240	320	400	480	2865
200L	3000	37	SPB-3	250	250	375	500	625	750	2261
200L	3000	37	SPA-4	160	160	240	320	400	480	3534
225M	1000	30	SPB-2	450	450	675	900	1125	1350	3056
225M	1000	30	SPB-4	224	224	336	448	560	672	6139
225M	1500	45	SPB-2	450	450	675	900	1125	1350	3056
225M	1500	45	SPB-4	224	224	336	448	560	672	6139
225M	3000	45	SPB-2	280	280	420	560	700	840	2456
225M	3000	45	SPA-5	160	160	240	320	400	480	4298
225S	1500	37	SPB-2	355	355	533	710	887.5	1065	3185
225S	1500	37	SPA-5	200	200	300	400	500	600	5654
250M	1000	37	SPB-2	500	500	750	1000	1250	1500	3392
250M	1000	37	SPB-4	224	224	336	448	560	672	7572
250M	1500	55	SPB-2	500	500	750	1000	1250	1500	3362
250M	1500	55	SPB-4	224	224	336	448	560	672	7504
250M	3000	55	SPB-3	315	315	473	630	787.5	945	2668
250M	3000	55	SPA-5	180	180	270	360	450	540	4669
280S	1000	45	SPB-6	315	315	473	630	788	1045	6549
280S	1500	75	SPB-6	315	315	473	630	788	1045	7276
280M	1000	55	SPC-4	355	355	533	710	888	1065	7102
280M	1500	90	SPC-4	355	355	533	710	888	1065	7748
315S	1000	75	SPC-5	355	355	533	710	888	1065	9685
315S	1500	110	SPC-5	355	355	533	710	888	1065	9469
315M	1000	110	SPC-6	400	400	600	800	1000	1200	8595
315M	1500	132	SPC-6	400	400	600	800	1000	1200	10085

z : Kayış Sayısı / *Number of belts* / Riemenzahl

D: Kasnak Çapı / *Pulley Diameter* / Riemenscheikendurchmesser

Redüktör Seçim Örneği

Bir konveyör mekanizmasında seçilen AC motor 7,5 kW-1400 d/dak 'dır. Kayış-kasnak mekanizmasıyla 1/2 redüksiyon yapılarak redüktöre giriş yapılacaktır. Konveyörün yaklaşık 45 d/dak ile çalışması isteniyor.

Çalışma şartları;
Orta darbeli yükler
Günde 16 saat çalışacaktır.
Saatte 50 kere kalkış yapacaktır.

Bu çalışma şatlarına göre kayış-kasnak ve redüktör seçimi istenmektedir.
Çözüm:

1. Kayış-kasnak seçimi;

Sayfa 12'deki kayış seçim tablosundan 7,5 kW - 1400 d/dak motor için SPZ profilli kayış ve 140mm çapında 3 sıra kasnak seçilir.
Redüktör giriş milindeki kasnak çapı 1/2 redüksiyon istendiği için 280 mm olacaktır.

2. Redüktör giriş milindeki radyal yük hesabı;

Giriş milindeki moment;

$$M_{red.giris} = \frac{P_{motor} \times 9550}{n_{red.giris}} \times \eta$$

$$= \frac{7,5 \times 9550}{700} \times 0,96 = 98,3$$

Kayış-kasnak mekanizması kullanıldığı için Sayfa 7'deki radyal yük formülünden;

$$Fr = \frac{5000 \times M_2}{D} = \frac{5000 \times 98,3}{280} = 1755\ N$$

3. Gerekli tahvil oranının bulunması;

$$i = \frac{n_{redgiriş}}{n_{redçıkış}} = \frac{700}{45} = 15,56$$

4. Redüktör gövde büyüklüğünün seçilmesi;

-Mekanik güç kontrolü;

7,5 kW - 1400 d/dak motor ve 1/2 giriş kayış-kasnak redüksiyonu için Sayfa 31'deki

TT57, i=16,03 tahvil oranlı redüktör seçimi yapılabilir. Redüktör çıkış devri 44 d/dak'dır.

Orta darbeli yüklerde ve günde 16 saat çalışma şartlarına göre mekanik güç aşağıdaki şart sağlandığı için uygundur.

-Giriş radyal yük kontrolü;

9,8kW ≥ Pmotor = 7,5 kW

Radyal yük yukarıdaki şart sağlandığı için uygundur.
TT57, i=16,03 tahvil oranlı redüktör bu çalışma sartları için uygundur.

Example of Gear Unit Selection

For a conveyor system an electrical motor with 7,5kW and 1400rpm is selected.The motor is driving the gear unit using a belt pulley with reduction ratio of 2.The speed of the conveyors drum is requested as 45rpm.

Operating conditions;
Moderate loads
16 hour/day operating time
50 cycle/hour

According to given operating conditions select the belt-pulley and gear unit.
Solution:

1.Belt-pulley selection;

According to the belt selection table on page 12 7,5kW-1400rpm AC motor should have a SPZ profile belt.It should be 140mm in diameter and the number of belts should be 3.The pulley diameter on the input shaft of the gear unit should be 280mm to achieve the required reduction of 2.
2. Overhung load calculation on the input shaft of gear unit;
Torque on input shaft;

$$M_{red.giris} = \frac{P_{motor} \times 9550}{n_{red.giris}} \times \eta$$

$$= \frac{7,5 \times 9550}{700} \times 0,96 = 98,3$$

The formula for a belt drive is as follows according to the formulas given on page 7;

$$Fr = \frac{5000 \times M_2}{D} = \frac{5000 \times 98,3}{280} = 1755\ N$$

3. Calculation of gear unit ratio;

$$i = \frac{n_{redgiriş}}{n_{redçıkış}} = \frac{700}{45} = 15,56$$

4. Selection of gear unit size;

-Checking of mechanical power ;

The required gear unit can be found on page 31 for 7,5kW and 1400rpm with a pulley reduction of 2.
The gear unit is TT57 and the ratio(i) is 16,03.
Output speed of teh gear unit is 44rpm.

For moderate loads and 16 operating hours per day, mechanical power of gear unit is higher tahn the motor power;

-Checking of input overhung load ;

9,8kW ≥ Pmotor = 7,5 kW

The overhung load is sufficent for selected gear unit.
TT57 gear unit with ratio i=16,03 is sufficent for these working conditions.

Getriebeauslegungbeispiel

Für ein Bandfördere ist ein Elektromotor mit 7,5kW Leistung und 1400upm ausgewählt.Das Getriebe soll mit einen Riementrieb Angetrieben werden und soll eine Untersetzung von 2 haben.Der Bandförderer soll mit 45upm angetrieben werden.
Arbeitsbedingungen;
-Ungleischfömige Belastung
-16 Stunden pro Tag
-50 Schaltungen pro Stunde

Das passende Getriebe und Riementrieb soll ausgewählt werden.
Lösung:

1.Riementriebauswahl;

Auf Seite 12 kann mann sehen das für eine 7,5kW-1400upm Motor ein Riemenprofil SPZ und ein Riemenscheibe mit 3 Reihen und 140mm Durschmesser empfohlen wird. Die Riemenscheibe auf der Getriebeseite muss 280mm sein damit mann einen Untersetzung von 2 hat.
2.Querkraftberechnung auf der Antriebswelle;

Drehmoment auf Antriebswelle;

$$M_{red.giris} = \frac{P_{motor} \times 9550}{n_{red.giris}} \times \eta$$

$$= \frac{7,5 \times 9550}{700} \times 0,96 = 98,3$$

Aus der formel auf Seite 7 für Riementrieb kann mann Folgende Berechnung durchführen;

$$Fr = \frac{5000 \times M_2}{D} = \frac{5000 \times 98,3}{280} = 1755\ N$$

3.Getriebe Untersetzung;

$$i = \frac{n_{redgiriş}}{n_{redçıkış}} = \frac{700}{45} = 15,56$$

4.Getriebe Größe;

-Mechanische Leistung prüfen;

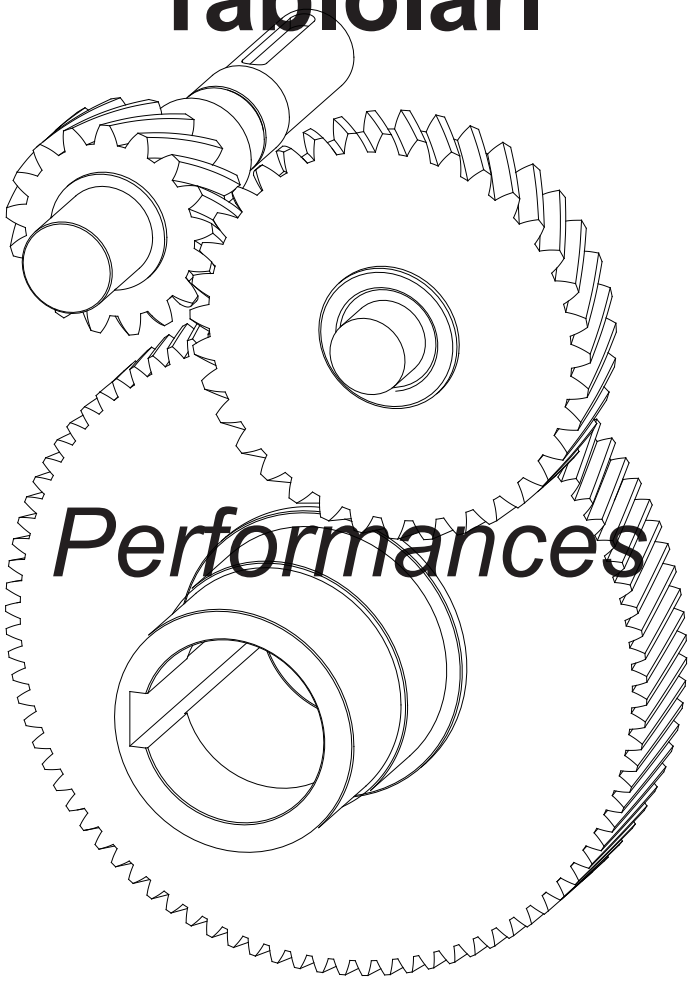
Auf seite 31 für 7,5kW-1400upm motor und Riementrieb mit Untersetzung 2 kann mann folgendes Getriebe wählen.
TT57, Untersetzung i=16,03. Getriebe Abtriebs- drehzahl 44upm.

Für einen Betrieb mit 16 Stunden pro Tag und Ungleichförmiger Belastung ergibt sich das die Meschanishe Leistung des Getriebe grösser ist als die Motorleistung,
-Antriebswelle Querkaraf prüfen;

9,8kW ≥ Pmotor = 7,5 kW

Erlaubte Querkraft ist höher als die Angreifende Querkraft.
Das ausgewählte TT57 Getriebe mit Untersetzung i=16,03 ist ausreichend für die oben genante Betriebsbedingungen.

Güç ve Devir Tabloları



Performances

Leistung und Drehzahlübersicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT17		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.86**	185	185	1608	**3.7**	3.1	2.8	2.9	2.6	2.3	2.4	2.3	2.1	13	50	TT01
	6.67	135	200	2676	**2.9**	2.4	2.2	2.3	2.0	1.8	1.9	1.8	1.6			
	9.54	94	200	2700	**2.1**	1.7	1.5	1.6	1.4	1.3	1.3	1.2	1.1			
	13.19	68	200	2700	**1.5**	1.2	1.1	1.1	1.0	0.93	0.96	0.90	0.83			
	15.18	59	200	2700	**1.3**	1.1	0.96	1.0	0.89	0.81	0.84	0.79	0.72			
	19.04	47	200	2700	**1.0**	0.86	0.77	0.80	0.71	0.65	0.67	0.63	0.58			
	25.24	36	200	2700	**0.78**	0.65	0.58	0.60	0.54	0.49	0.51	0.48	0.44			
	29.67	30	200	2700	**0.67**	0.56	0.50	0.51	0.46	0.42	0.43	0.41	0.37			
1:1,5	**4.86**	123	198	1982	**2.7**	2.2	2.0	2.0	1.8	1.7	1.7	1.6	1.5	13	50	TT01
	6.67	90	200	2411	**2.0**	1.6	1.5	1.5	1.4	1.2	1.3	1.2	1.1			
	9.54	63	200	2700	**1.4**	1.1	1.0	1.1	0.95	0.86	0.89	0.83	0.76			
	13.19	46	200	2700	**1.0**	0.83	0.74	0.77	0.69	0.62	0.64	0.60	0.55			
	15.18	40	200	2700	**0.87**	0.72	0.64	0.67	0.60	0.54	0.56	0.53	0.48			
	19.04	32	200	2700	**0.69**	0.58	0.51	0.53	0.48	0.43	0.45	0.42	0.38			
	25.24	24	200	2700	**0.52**	0.44	0.39	0.40	0.36	0.33	0.34	0.32	0.29			
	29.67	20	200	2700	**0.45**	0.37	0.33	0.34	0.31	0.28	0.29	0.27	0.25			
1:2	**4.86**	93	200	2169	**2.0**	1.7	1.5	1.6	1.4	1.3	1.3	1.2	1.1	13	50	TT01
	6.67	67	200	2641	**1.5**	1.2	1.1	1.1	1.0	0.92	0.95	0.89	0.82			
	9.54	47	200	2700	**1.0**	0.86	0.76	0.79	0.71	0.64	0.67	0.63	0.57			
	13.19	34	200	2700	**0.75**	0.62	0.55	0.58	0.52	0.47	0.48	0.45	0.42			
	15.18	30	200	2700	**0.65**	0.54	0.48	0.50	0.45	0.41	0.42	0.39	0.36			
	19.04	24	200	2700	**0.52**	0.43	0.38	0.40	0.36	0.32	0.34	0.31	0.29			
	25.24	18	200	2700	**0.39**	0.33	0.29	0.30	0.27	0.25	0.25	0.24	0.22			
	29.67	15	200	2700	**0.34**	0.28	0.25	0.26	0.23	0.21	0.22	0.20	0.19			
1:2,5	**4.86**	74	200	2401	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.98	0.90	13	50	TT01
	6.67	54	200	2700	**1.2**	0.98	0.87	0.91	0.81	0.74	0.76	0.71	0.65			
	9.54	38	200	2700	**0.83**	0.69	0.61	0.64	0.57	0.52	0.53	0.50	0.46			
	13.19	27	200	2700	**0.60**	0.50	0.44	0.46	0.41	0.37	0.39	0.36	0.33			
	15.18	24	200	2700	**0.52**	0.43	0.39	0.40	0.36	0.33	0.34	0.32	0.29			
	19.04	19	200	2700	**0.42**	0.35	0.31	0.32	0.29	0.26	0.27	0.25	0.23			
	25.24	14	200	2700	**0.31**	0.26	0.23	0.24	0.22	0.20	0.20	0.19	0.17			
	29.67	12	200	2700	**0.27**	0.22	0.20	0.21	0.18	0.17	0.17	0.16	0.15			
1:3	**4.86**	62	200	2517	**1.3**	1.1	1.0	1.0	0.93	0.84	0.87	0.82	0.75	13	50	TT01
	6.67	45	200	2700	**0.98**	0.82	0.73	0.76	0.68	0.61	0.63	0.60	0.55			
	9.54	31	200	2700	**0.69**	0.57	0.51	0.53	0.47	0.43	0.44	0.42	0.38			
	13.19	23	200	2700	**0.50**	0.42	0.37	0.38	0.34	0.31	0.32	0.30	0.28			
	15.18	20	200	2700	**0.43**	0.36	0.32	0.33	0.30	0.27	0.28	0.26	0.24			
	19.04	16	200	2700	**0.35**	0.29	0.26	0.27	0.24	0.22	0.22	0.21	0.19			
	25.24	12	200	2700	**0.26**	0.22	0.19	0.20	0.18	0.16	0.17	0.16	0.15			
	29.67	10	200	2700	**0.22**	0.19	0.17	0.17	0.15	0.14	0.14	0.14	0.12			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

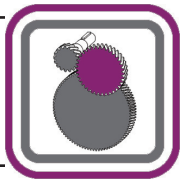
İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									**TT27**		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.45**	165	450	1367	**8.0**	6.7	6.0	6.2	5.5	5.0	5.2	4.9	4.5	23	51	TT02
	7.48	120	450	2347	**5.9**	4.9	4.4	4.5	4.1	3.7	3.8	3.6	3.3			
	10.25	88	450	2700	**4.3**	3.6	3.2	3.3	3.0	2.7	2.8	2.6	2.4			
	11.96	75	450	2700	**3.7**	3.1	2.7	2.8	2.5	2.3	2.4	2.2	2.0			
	14.07	64	450	2700	**3.1**	2.6	2.3	2.4	2.2	2.0	2.0	1.9	1.7			
	18.92	48	450	2700	**2.3**	1.9	1.7	1.8	1.6	1.5	1.5	1.4	1.3			
	25.23	36	450	2700	**1.8**	1.5	1.3	1.4	1.2	1.1	1.1	1.1	0.98			
	30.49	30	450	2700	**1.5**	1.2	1.1	1.1	1.00	0.91	0.94	0.88	0.81			
1:1,5	**5.45**	110	450	2660	**5.4**	4.5	4.0	4.1	3.7	3.4	3.5	3.3	3.0	23	51	TT02
	7.48	80	450	2700	**3.9**	3.3	2.9	3.0	2.7	2.5	2.5	2.4	2.2			
	10.25	59	450	2700	**2.9**	2.4	2.1	2.2	2.0	1.8	1.9	1.7	1.6			
	11.96	50	450	2700	**2.5**	2.1	1.8	1.9	1.7	1.5	1.6	1.5	1.4			
	14.07	43	450	2700	**2.1**	1.7	1.6	1.6	1.4	1.3	1.4	1.3	1.2			
	18.92	32	450	2700	**1.6**	1.3	1.2	1.2	1.1	0.98	1.0	0.95	0.87			
	25.23	24	450	2700	**1.2**	0.98	0.87	0.9	0.8	0.7	0.8	0.71	0.65			
	30.49	20	450	2700	**0.97**	0.81	0.72	0.7	0.67	0.61	0.63	0.59	0.54			
1:2	**5.45**	83	450	2660	**4.0**	3.4	3.0	3.1	2.8	2.5	2.6	2.4	2.2	23	51	TT02
	7.48	60	450	2700	**2.9**	2.5	2.2	2.3	2.0	1.8	1.9	1.8	1.6			
	10.25	44	450	2700	**2.2**	1.8	1.6	1.7	1.5	1.3	1.4	1.3	1.2			
	11.96	38	450	2700	**1.8**	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0			
	14.07	32	450	2700	**1.6**	1.3	1.2	1.2	1.1	0.98	1.0	0.95	0.87			
	18.92	24	450	2700	**1.2**	1.0	0.87	0.90	0.81	0.73	0.76	0.71	0.65			
	25.23	18	450	2700	**0.88**	0.73	0.65	0.68	0.61	0.55	0.57	0.53	0.49			
	30.49	15	450	2700	**0.73**	0.61	0.54	0.56	0.50	0.46	0.47	0.44	0.41			
1:2,5	**5.45**	66	450	2700	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	2.0	1.8	23	51	TT02
	7.48	48	450	2700	**2.4**	2.0	1.8	1.8	1.6	1.5	1.5	1.4	1.3			
	10.25	35	450	2700	**1.7**	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.96			
	11.96	30	450	2700	**1.5**	1.2	1.1	1.1	1.0	0.93	0.95	0.90	0.82			
	14.07	26	450	2700	**1.3**	1.0	0.93	0.97	0.87	0.79	0.81	0.76	0.70			
	18.92	19	450	2700	**0.9**	0.78	0.70	0.72	0.65	0.59	0.61	0.57	0.52			
	25.23	14	450	2700	**0.70**	0.59	0.52	0.54	0.49	0.44	0.45	0.43	0.39			
	30.49	12	450	2700	**0.58**	0.49	0.43	0.45	0.40	0.37	0.38	0.35	0.32			
1:3	**5.45**	55	450	2700	**2.7**	2.2	2.0	2.1	1.9	1.7	1.7	1.6	1.5	23	51	TT02
	7.48	40	450	2700	**2.0**	1.6	1.5	1.5	1.4	1.2	1.3	1.2	1.1			
	10.25	29	450	2700	**1.4**	1.2	1.1	1.1	0.99	0.90	0.93	0.87	0.80			
	11.96	25	450	2700	**1.2**	1.0	0.91	0.95	0.85	0.77	0.80	0.75	0.69			
	14.07	21	450	2700	**1.0**	0.87	0.78	0.81	0.72	0.66	0.68	0.64	0.58			
	18.92	16	450	2700	**0.78**	0.65	0.58	0.60	0.54	0.49	0.50	0.47	0.43			
	25.23	12	450	2700	**0.59**	0.49	0.44	0.45	0.41	0.37	0.38	0.36	0.33			
	30.49	10	450	2700	**0.49**	0.41	0.36	0.37	0.34	0.30	0.31	0.30	0.27			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
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n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT28		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.95**	182	485	684	**9.5**	8.0	7.1	7.3	6.6	6.0	6.2	5.8	5.3	30	52	TT03
	6.95	130	540	1796	**7.6**	6.3	5.6	5.8	5.2	4.7	4.9	4.6	4.2			
	10.18	88	600	2351	**5.8**	4.8	4.3	4.4	4.0	3.6	3.7	3.5	3.2			
	13.78	65	600	2745	**4.3**	3.6	3.2	3.3	2.9	2.7	2.8	2.6	2.4			
	16.29	55	600	2966	**3.6**	3.0	2.7	2.8	2.5	2.3	2.3	2.2	2.0			
	20.86	43	600	3304	**2.8**	2.4	2.1	2.2	2.0	1.8	1.8	1.7	1.6			
	24.30	37	600	3520	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.4			
	29.25	31	600	3789	**2.0**	1.7	1.5	1.6	1.4	1.3	1.3	1.2	1.1			
1:1,5	**4.95**	121	523	1071	**6.9**	5.7	5.1	5.3	4.7	4.3	4.4	4.2	3.8	30	52	TT03
	6.95	86	585	2263	**5.5**	4.6	4.1	4.2	3.8	3.4	3.5	3.3	3.1			
	10.18	59	600	2821	**3.9**	3.2	2.9	3.0	2.7	2.4	2.5	2.3	2.1			
	13.78	44	600	3267	**2.9**	2.4	2.1	2.2	2.0	1.8	1.8	1.7	1.6			
	16.29	37	600	3518	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.3			
	20.86	29	600	3902	**1.9**	1.6	1.4	1.5	1.3	1.2	1.2	1.1	1.1			
	24.30	25	600	4150	**1.6**	1.4	1.2	1.2	1.1	1.0	1.0	0.98	0.90			
	29.25	21	600	4350	**1.4**	1.1	1.0	1.0	0.93	0.84	0.87	0.82	0.75			
1:2	**4.95**	91	530	1417	**5.2**	4.4	3.9	4.0	3.6	3.3	3.4	3.2	2.9	30	52	TT03
	6.95	65	600	2510	**4.2**	3.5	3.1	3.3	2.9	2.6	2.7	2.6	2.4			
	10.18	44	600	3109	**2.9**	2.4	2.1	2.2	2.0	1.8	1.9	1.8	1.6			
	13.78	33	600	3585	**2.1**	1.8	1.6	1.6	1.5	1.3	1.4	1.3	1.2			
	16.29	28	600	3855	**1.8**	1.5	1.3	1.4	1.3	1.1	1.2	1.1	1.0			
	20.86	22	600	4269	**1.4**	1.2	1.1	1.1	0.98	0.89	0.92	0.86	0.79			
	24.30	19	600	4350	**1.2**	1.0	0.90	0.94	0.84	0.76	0.79	0.74	0.68			
	29.25	15	600	4350	**1.0**	0.85	0.75	0.78	0.70	0.63	0.65	0.61	0.56			
1:2,5	**4.95**	73	530	1864	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3	30	52	TT03
	6.95	52	600	2792	**3.4**	2.8	2.5	2.6	2.3	2.1	2.2	2.1	1.9			
	10.18	35	600	3431	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	13.78	26	600	3942	**1.7**	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.95			
	16.29	22	600	4232	**1.5**	1.2	1.1	1.1	1.00	0.91	0.94	0.88	0.81			
	20.86	17	600	4350	**1.1**	0.95	0.84	0.87	0.78	0.71	0.73	0.69	0.63			
	24.30	15	600	4350	**0.98**	0.81	0.72	0.75	0.67	0.61	0.63	0.59	0.54			
	29.25	12	600	4350	**0.81**	0.68	0.60	0.62	0.56	0.51	0.52	0.49	0.45			
1:3	**4.95**	61	530	2087	**3.5**	2.9	2.6	2.7	2.4	2.2	2.3	2.1	1.9	30	52	TT03
	6.95	43	600	2934	**2.8**	2.4	2.1	2.2	1.9	1.8	1.8	1.7	1.6			
	10.18	29	600	3592	**1.9**	1.6	1.4	1.5	1.3	1.2	1.2	1.2	1.1			
	13.78	22	600	4120	**1.4**	1.2	1.1	1.1	0.99	0.89	0.92	0.87	0.79			
	16.29	18	600	4350	**1.2**	1.0	0.90	0.93	0.83	0.76	0.78	0.73	0.67			
	20.86	14	600	4350	**0.95**	0.79	0.70	0.73	0.65	0.59	0.61	0.57	0.53			
	24.30	12	600	4350	**0.81**	0.68	0.60	0.63	0.56	0.51	0.52	0.49	0.45			
	29.25	10	600	4350	**0.68**	0.56	0.50	0.52	0.47	0.42	0.44	0.41	0.38			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

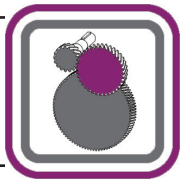
İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT37		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	4.46	202	685	1935	14.9	12.4	11.1	11.5	10.3	9.3	9.6	9.0	8.3	37	53	TT04
	6.50	138	820	2803	12.3	10.2	9.1	9.5	8.5	7.7	7.9	7.4	6.8			
	9.94	91	820	3967	8.1	6.7	6.0	6.2	5.6	5.0	5.2	4.9	4.5			
	13.02	69	820	4350	6.2	5.1	4.6	4.7	4.3	3.9	4.0	3.7	3.4			
	15.05	60	820	4350	5.3	4.5	4.0	4.1	3.7	3.3	3.4	3.2	3.0			
	19.53	46	820	4350	4.1	3.4	3.1	3.2	2.8	2.6	2.7	2.5	2.3			
	24.86	36	820	4350	3.2	2.7	2.4	2.5	2.2	2.0	2.1	2.0	1.8			
	28.13	32	820	4350	2.9	2.4	2.1	2.2	2.0	1.8	1.9	1.7	1.6			
1:1,5	4.46	135	773	2381	11.3	9.4	8.3	8.7	7.8	7.0	7.3	6.8	6.3	37	53	TT04
	6.50	92	820	3638	8.2	6.8	6.1	6.3	5.7	5.1	5.3	5.0	4.6			
	9.94	60	820	4350	5.4	4.5	4.0	4.1	3.7	3.4	3.5	3.3	3.0			
	13.02	46	820	4350	4.1	3.4	3.1	3.2	2.8	2.6	2.7	2.5	2.3			
	15.05	40	820	4350	3.6	3.0	2.6	2.7	2.5	2.2	2.3	2.2	2.0			
	19.53	31	820	4350	2.8	2.3	2.0	2.1	1.9	1.7	1.8	1.7	1.5			
	24.86	24	820	4350	2.2	1.8	1.6	1.7	1.5	1.4	1.4	1.3	1.2			
	28.13	21	820	4350	1.9	1.6	1.4	1.5	1.3	1.2	1.2	1.2	1.1			
1:2	4.46	101	820	2693	9.0	7.5	6.7	6.9	6.2	5.6	5.8	5.4	5.0	37	53	TT04
	6.50	69	820	4023	6.2	5.1	4.6	4.7	4.3	3.9	4.0	3.7	3.4			
	9.94	45	820	4350	4.0	3.4	3.0	3.1	2.8	2.5	2.6	2.5	2.2			
	13.02	35	820	4350	3.1	2.6	2.3	2.4	2.1	1.9	2.0	1.9	1.7			
	15.05	30	820	4350	2.7	2.2	2.0	2.1	1.8	1.7	1.7	1.6	1.5			
	19.53	23	820	4350	2.1	1.7	1.5	1.6	1.4	1.3	1.3	1.3	1.1			
	24.86	18	820	4350	1.6	1.4	1.2	1.3	1.1	1.0	1.0	0.99	0.90			
	28.13	16	820	4350	1.4	1.2	1.1	1.1	0.99	0.90	0.93	0.87	0.80			
1:2,5	4.46	81	820	3388	7.2	6.0	5.3	5.5	5.0	4.5	4.6	4.4	4.0	37	53	TT04
	6.50	55	820	4350	4.9	4.1	3.7	3.8	3.4	3.1	3.2	3.0	2.7			
	9.94	36	820	4350	3.2	2.7	2.4	2.5	2.2	2.0	2.1	2.0	1.8			
	13.02	28	820	4350	2.5	2.1	1.8	1.9	1.7	1.5	1.6	1.5	1.4			
	15.05	24	820	4350	2.1	1.8	1.6	1.7	1.5	1.3	1.4	1.3	1.2			
	19.53	18	820	4350	1.7	1.4	1.2	1.3	1.1	1.0	1.1	1.0	0.92			
	24.86	14	820	4350	1.3	1.1	0.96	1.00	0.90	0.81	0.84	0.79	0.72			
	28.13	13	820	4350	1.2	0.96	0.85	0.89	0.79	0.72	0.74	0.70	0.64			
1:3	4.46	67	820	3736	6.0	5.0	4.4	4.6	4.1	3.7	3.9	3.6	3.3	37	53	TT04
	6.50	46	820	4350	4.1	3.4	3.1	3.2	2.8	2.6	2.7	2.5	2.3			
	9.94	30	820	4350	2.7	2.2	2.0	2.1	1.9	1.7	1.7	1.6	1.5			
	13.02	23	820	4350	2.1	1.7	1.5	1.6	1.4	1.3	1.3	1.3	1.1			
	15.05	20	820	4350	1.8	1.5	1.3	1.4	1.2	1.1	1.2	1.1	0.99			
	19.53	15	820	4350	1.4	1.1	1.0	1.1	0.95	0.86	0.89	0.84	0.77			
	24.86	12	820	4350	1.1	0.90	0.80	0.83	0.75	0.68	0.70	0.66	0.60			
	28.13	11	820	4350	0.96	0.80	0.71	0.74	0.66	0.60	0.62	0.58	0.53			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT47		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.97**	181	1290	1911	**25.2**	21.0	18.7	19.4	17.4	15.8	16.3	15.3	14.0	52	54	TT05
	6.82	132	1430	3146	**20.4**	17.0	15.1	15.7	14.1	12.8	13.2	12.4	11.4			
	9.69	93	1550	4994	**15.6**	13.0	11.6	12.0	10.8	9.8	10.1	9.5	8.7			
	13.46	67	1550	5800	**11.3**	9.4	8.4	8.7	7.8	7.0	7.3	6.8	6.3			
	16.31	55	1550	5800	**9.3**	7.8	6.9	7.2	6.4	5.8	6.0	5.6	5.2			
	20.74	43	1550	5800	**7.3**	6.1	5.4	5.6	5.1	4.6	4.7	4.4	4.1			
	26.64	34	1550	5800	**5.7**	4.8	4.2	4.4	3.9	3.6	3.7	3.5	3.2			
	30.11	30	1550	5800	**5.1**	4.2	3.8	3.9	3.5	3.2	3.3	3.1	2.8			
1:1,5	**4.97**	121	1455	2424	**19.0**	15.8	14.1	14.6	13.1	11.9	12.3	11.5	10.6	52	54	TT05
	6.82	88	1530	4237	**14.6**	12.2	10.8	11.2	10.1	9.1	9.4	8.9	8.1			
	9.69	62	1550	5800	**10.4**	8.7	7.7	8.0	7.2	6.5	6.7	6.3	5.8			
	13.46	45	1550	5800	**7.5**	6.3	5.6	5.8	5.2	4.7	4.9	4.6	4.2			
	16.31	37	1550	5800	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
	20.74	29	1550	5800	**4.9**	4.1	3.6	3.8	3.4	3.1	3.2	3.0	2.7			
	26.64	23	1550	5800	**3.8**	3.2	2.8	2.9	2.6	2.4	2.5	2.3	2.1			
	30.11	20	1550	5800	**3.4**	2.8	2.5	2.6	2.3	2.1	2.2	2.1	1.9			
1:2	**4.97**	90	1550	2769	**15.2**	12.7	11.3	11.7	10.5	9.5	9.8	9.2	8.5	52	54	TT05
	6.82	66	1550	5094	**11.1**	9.3	8.2	8.6	7.7	7.0	7.2	6.7	6.2			
	9.69	46	1550	5800	**7.8**	6.5	5.8	6.0	5.4	4.9	5.1	4.8	4.4			
	13.46	33	1550	5800	**5.7**	4.7	4.2	4.4	3.9	3.5	3.7	3.4	3.1			
	16.31	28	1550	5800	**4.7**	3.9	3.5	3.6	3.2	2.9	3.0	2.8	2.6			
	20.74	22	1550	5800	**3.7**	3.1	2.7	2.8	2.5	2.3	2.4	2.2	2.0			
	26.64	17	1550	5800	**2.9**	2.4	2.1	2.2	2.0	1.8	1.9	1.7	1.6			
	30.11	15	1550	5800	**2.5**	2.1	1.9	2.0	1.8	1.6	1.6	1.5	1.4			
1:2,5	**4.97**	72	1550	3722	**12.2**	10.2	9.0	9.4	8.4	7.6	7.9	7.4	6.8	52	54	TT05
	6.82	53	1550	5743	**8.9**	7.4	6.6	6.9	6.1	5.6	5.8	5.4	5.0			
	9.69	37	1550	5800	**6.3**	5.2	4.7	4.8	4.3	3.9	4.1	3.8	3.5			
	13.46	27	1550	5800	**4.5**	3.8	3.4	3.5	3.1	2.8	2.9	2.7	2.5			
	16.31	22	1550	5800	**3.7**	3.1	2.8	2.9	2.6	2.3	2.4	2.3	2.1			
	20.74	17	1550	5800	**2.9**	2.5	2.2	2.3	2.0	1.8	1.9	1.8	1.6			
	26.64	14	1550	5800	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	30.11	12	1550	5800	**2.0**	1.7	1.5	1.6	1.4	1.3	1.3	1.2	1.1			
1:3	**4.97**	60	1550	4199	**10.2**	8.5	7.5	7.8	7.0	6.4	6.6	6.2	5.6	52	54	TT05
	6.82	44	1550	5800	**7.4**	6.2	5.5	5.7	5.1	4.6	4.8	4.5	4.1			
	9.69	31	1550	5800	**5.2**	4.4	3.9	4.0	3.6	3.3	3.4	3.2	2.9			
	13.46	22	1550	5800	**3.8**	3.1	2.8	2.9	2.6	2.4	2.4	2.3	2.1			
	16.31	18	1550	5800	**3.1**	2.6	2.3	2.4	2.1	1.9	2.0	1.9	1.7			
	20.74	14	1550	5800	**2.5**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.4			
	26.64	11	1550	5800	**1.9**	1.6	1.4	1.5	1.3	1.2	1.2	1.2	1.1			
	30.11	10	1550	5800	**1.7**	1.4	1.3	1.3	1.2	1.1	1.1	1.0	0.94			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
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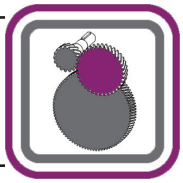

n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT57		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.26**	171	2570	2986	**47.4**	39.5	35.1	36.4	32.7	29.6	30.5	28.7	26.3	102	55	TT06
	6.78	133	2800	4380	**40.1**	33.4	29.7	30.9	27.7	25.1	25.9	24.3	22.3			
	10.69	84	3000	7819	**27.3**	22.8	20.2	21.0	18.8	17.1	17.6	16.6	15.2			
	12.16	74	3000	8300	**24.0**	20.0	17.8	18.5	16.6	15.0	15.5	14.6	13.4			
	16.03	56	3000	8300	**18.3**	15.2	13.5	14.1	12.6	11.4	11.8	11.1	10.2			
	21.89	41	3000	8300	**13.4**	11.2	9.9	10.3	9.2	8.4	8.6	8.1	7.4			
	24.56	37	3000	8300	**12.0**	10.0	8.9	9.2	8.2	7.5	7.7	7.2	6.6			
	29.52	30	3000	8300	**10.0**	8.3	7.4	7.7	6.9	6.2	6.4	6.0	5.5			
1:1,5	**5.26**	114	2860	4705	**35.2**	29.4	26.1	27.1	24.3	22.0	22.7	21.4	19.6	102	55	TT06
	6.78	88	2975	6478	**28.5**	23.8	21.1	21.9	19.7	17.8	18.4	17.3	15.8			
	10.69	56	3000	8300	**18.3**	15.2	13.5	14.1	12.6	11.4	11.8	11.1	10.1			
	12.16	49	3000	8300	**16.1**	13.4	11.9	12.4	11.1	10.0	10.4	9.7	8.9			
	16.03	37	3000	8300	**12.2**	10.2	9.1	9.4	8.4	7.6	7.9	7.4	6.8			
	21.89	27	3000	8300	**9.0**	7.5	6.6	6.9	6.2	5.6	5.8	5.4	5.0			
	24.56	24	3000	8300	**8.0**	6.7	5.9	6.1	5.5	5.0	5.2	4.8	4.4			
	29.52	20	3000	8300	**6.7**	5.5	4.9	5.1	4.6	4.2	4.3	4.0	3.7			
1:2	**5.26**	85	3000	5478	**27.8**	23.1	20.6	21.4	19.2	17.4	17.9	16.8	15.4	102	55	TT06
	6.78	66	3000	7496	**21.6**	18.0	16.0	16.6	14.9	13.5	13.9	13.1	12.0			
	10.69	42	3000	8300	**13.7**	11.4	10.2	10.6	9.5	8.6	8.9	8.3	7.6			
	12.16	37	3000	8300	**12.1**	10.1	8.9	9.3	8.3	7.5	7.8	7.3	6.7			
	16.03	28	3000	8300	**9.2**	7.7	6.8	7.1	6.3	5.7	5.9	5.6	5.1			
	21.89	21	3000	8300	**6.7**	5.6	5.0	5.2	4.6	4.2	4.3	4.1	3.7			
	24.56	18	3000	8300	**6.0**	5.0	4.4	4.6	4.1	3.8	3.9	3.6	3.3			
	29.52	15	3000	8300	**5.0**	4.2	3.7	3.8	3.4	3.1	3.2	3.0	2.8			
1:2,5	**5.26**	68	3000	6929	**22.3**	18.6	16.5	17.1	15.4	13.9	14.4	13.5	12.4	102	55	TT06
	6.78	53	3000	8300	**17.3**	14.4	12.8	13.3	11.9	10.8	11.2	10.5	9.6			
	10.69	34	3000	8300	**11.0**	9.2	8.1	8.5	7.6	6.9	7.1	6.7	6.1			
	12.16	30	3000	8300	**9.7**	8.1	7.2	7.4	6.7	6.0	6.2	5.9	5.4			
	16.03	22	3000	8300	**7.4**	6.1	5.5	5.7	5.1	4.6	4.7	4.5	4.1			
	21.89	16	3000	8300	**5.4**	4.5	4.0	4.1	3.7	3.4	3.5	3.3	3.0			
	24.56	15	3000	8300	**4.8**	4.0	3.6	3.7	3.3	3.0	3.1	2.9	2.7			
	29.52	12	3000	8300	**4.0**	3.3	3.0	3.1	2.8	2.5	2.6	2.4	2.2			
1:3	**5.26**	57	3000	7655	**18.6**	15.5	13.7	14.3	12.8	11.6	12.0	11.2	10.3	102	55	TT06
	6.78	44	3000	8300	**14.4**	12.0	10.7	11.1	10.0	9.0	9.3	8.7	8.0			
	10.69	28	3000	8300	**9.2**	7.6	6.8	7.0	6.3	5.7	5.9	5.6	5.1			
	12.16	25	3000	8300	**8.1**	6.7	6.0	6.2	5.6	5.0	5.2	4.9	4.5			
	16.03	19	3000	8300	**6.1**	5.1	4.5	4.7	4.2	3.8	4.0	3.7	3.4			
	21.89	14	3000	8300	**4.5**	3.7	3.3	3.5	3.1	2.8	2.9	2.7	2.5			
	24.56	12	3000	8300	**4.0**	3.3	3.0	3.1	2.8	2.5	2.6	2.4	2.2			
	29.52	10	3000	8300	**3.3**	2.8	2.5	2.6	2.3	2.1	2.2	2.0	1.9			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT67		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.02**	179	3220	3194	**62.2**	51.8	46.1	47.8	42.9	38.9	40.1	37.7	34.6	142	56	TT07
	6.73	134	3710	4793	**53.4**	44.5	39.6	41.1	36.9	33.4	34.5	32.4	29.7			
	10.64	85	4300	8700	**39.3**	32.8	29.1	30.2	27.1	24.6	25.4	23.8	21.8			
	12.74	71	4300	8700	**32.9**	27.4	24.3	25.3	22.7	20.5	21.2	19.9	18.3			
	14.29	63	4300	8700	**29.3**	24.4	21.7	22.6	20.2	18.3	18.9	17.8	16.3			
	20.89	43	4300	8700	**20.1**	16.8	14.9	15.5	13.9	12.6	13.0	12.2	11.2			
	24.13	37	4300	8700	**17.5**	14.6	12.9	13.4	12.0	10.9	11.3	10.6	9.7			
	31.19	29	4300	8700	**13.5**	11.3	10.0	10.4	9.3	8.4	8.7	8.2	7.5			
1:1,5	**5.02**	120	3575	4735	**46.2**	38.5	34.2	35.5	31.9	28.9	29.8	28.0	25.7	142	56	TT07
	6.73	89	3830	7147	**36.9**	30.8	27.3	28.4	25.4	23.1	23.8	22.4	20.5			
	10.64	56	4300	8700	**26.3**	21.9	19.5	20.2	18.1	16.4	17.0	15.9	14.6			
	12.74	47	4300	8700	**22.0**	18.3	16.3	16.9	15.1	13.7	14.2	13.3	12.2			
	14.29	42	4300	8700	**19.6**	16.3	14.5	15.1	13.5	12.3	12.6	11.9	10.9			
	20.89	29	4300	8700	**13.5**	11.2	10.0	10.4	9.3	8.4	8.7	8.2	7.5			
	24.13	25	4300	8700	**11.7**	9.7	8.6	9.0	8.0	7.3	7.5	7.1	6.5			
	31.19	19	4300	8700	**9.0**	7.5	6.7	6.9	6.2	5.6	5.8	5.5	5.0			
1:2	**5.02**	90	3750	5601	**36.4**	30.3	27.0	28.0	25.1	22.8	23.5	22.1	20.2	142	56	TT07
	6.73	67	3830	8700	**27.7**	23.1	20.5	21.3	19.1	17.3	17.9	16.8	15.4			
	10.64	42	4300	8700	**19.7**	16.5	14.6	15.2	13.6	12.3	12.7	12.0	11.0			
	12.74	35	4300	8700	**16.5**	13.8	12.2	12.7	11.4	10.3	10.6	10.0	9.2			
	14.29	31	4300	8700	**14.7**	12.3	10.9	11.3	10.2	9.2	9.5	8.9	8.2			
	20.89	22	4300	8700	**10.1**	8.4	7.5	7.8	7.0	6.3	6.5	6.1	5.6			
	24.13	19	4300	8700	**8.8**	7.3	6.5	6.7	6.0	5.5	5.7	5.3	4.9			
	31.19	14	4300	8700	**6.8**	5.7	5.0	5.2	4.7	4.2	4.4	4.1	3.8			
1:2,5	**5.02**	72	3750	7308	**29.2**	24.3	21.6	22.4	20.1	18.2	18.8	17.7	16.2	142	56	TT07
	6.73	53	3830	8700	**22.2**	18.5	16.5	17.1	15.3	13.9	14.3	13.5	12.3			
	10.64	34	4300	8700	**15.8**	13.2	11.7	12.2	10.9	9.9	10.2	9.6	8.8			
	12.74	28	4300	8700	**13.2**	11.0	9.8	10.2	9.1	8.3	8.5	8.0	7.3			
	14.29	25	4300	8700	**11.8**	9.8	8.7	9.1	8.1	7.4	7.6	7.2	6.6			
	20.89	17	4300	8700	**8.1**	6.7	6.0	6.2	5.6	5.1	5.2	4.9	4.5			
	24.13	15	4300	8700	**7.0**	5.9	5.2	5.4	4.8	4.4	4.5	4.3	3.9			
	31.19	12	4300	8700	**5.4**	4.5	4.0	4.2	3.7	3.4	3.5	3.3	3.0			
1:3	**5.02**	60	3750	8162	**24.3**	20.3	18.0	18.7	16.8	15.2	15.7	14.7	13.5	142	56	TT07
	6.73	45	3830	8700	**18.5**	15.4	13.7	14.2	12.8	11.6	11.9	11.2	10.3			
	10.64	28	4300	8700	**13.2**	11.0	9.8	10.1	9.1	8.2	8.5	8.0	7.3			
	12.74	24	4300	8700	**11.0**	9.2	8.2	8.5	7.6	6.9	7.1	6.7	6.1			
	14.29	21	4300	8700	**9.8**	8.2	7.3	7.6	6.8	6.1	6.3	6.0	5.5			
	20.89	14	4300	8700	**6.7**	5.6	5.0	5.2	4.7	4.2	4.4	4.1	3.7			
	24.13	12	4300	8700	**5.9**	4.9	4.3	4.5	4.0	3.7	3.8	3.5	3.3			
	31.19	10	4300	8700	**4.5**	3.8	3.4	3.5	3.1	2.8	2.9	2.7	2.5			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
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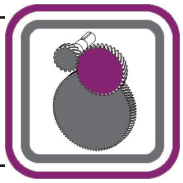


n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT77		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.06**	178	5830	3264	**111.5**	92.9	82.6	85.8	76.9	69.7	71.9	67.6	61.9	232	57	TT08
	6.97	129	6750	5530	**93.8**	78.2	69.5	72.2	64.7	58.6	60.5	56.9	52.1			
	10.62	85	8000	13350	**73.2**	61.0	54.2	56.3	50.5	45.7	47.2	44.4	40.7			
	12.87	70	8000	13350	**60.4**	50.4	44.8	46.5	41.7	37.8	39.0	36.6	33.6			
	14.33	63	8000	13350	**54.3**	45.3	40.2	41.8	37.5	34.0	35.0	32.9	30.2			
	20.57	44	8000	13350	**38.0**	31.7	28.1	29.2	26.2	23.7	24.5	23.0	21.1			
	23.63	38	8000	13350	**33.1**	27.6	24.5	25.5	22.8	20.7	21.4	20.1	18.4			
	29.99	30	8000	13350	**26.1**	21.8	19.3	20.1	18.0	16.3	16.8	15.8	14.5			
1:1,5	**5.06**	119	6450	5603	**82.5**	68.8	61.1	63.5	56.9	51.6	53.2	50.0	45.8	232	57	TT08
	6.97	86	6750	9701	**62.7**	52.3	46.5	48.3	43.3	39.2	40.5	38.0	34.9			
	10.62	56	8000	13350	**48.9**	40.8	36.3	37.6	33.8	30.6	31.6	29.7	27.2			
	12.87	47	8000	13350	**40.4**	33.7	29.9	31.1	27.9	25.3	26.1	24.5	22.5			
	14.33	42	8000	13350	**36.3**	30.3	26.9	27.9	25.0	22.7	23.4	22.0	20.2			
	20.57	29	8000	13350	**25.4**	21.2	18.8	19.5	17.5	15.9	16.4	15.4	14.1			
	23.63	25	8000	13350	**22.1**	18.5	16.4	17.0	15.3	13.8	14.3	13.4	12.3			
	29.99	20	8000	13350	**17.5**	14.5	12.9	13.4	12.0	10.9	11.3	10.6	9.7			
1:2	**5.06**	89	6750	7606	**64.9**	54.1	48.1	49.9	44.7	40.5	41.9	39.3	36.0	232	57	TT08
	6.97	65	6750	12253	**47.1**	39.3	34.9	36.3	32.5	29.5	30.4	28.6	26.2			
	10.62	42	8000	13350	**36.8**	30.6	27.2	28.3	25.4	23.0	23.7	22.3	20.4			
	12.87	35	8000	13350	**30.4**	25.3	22.5	23.4	20.9	19.0	19.6	18.4	16.9			
	14.33	31	8000	13350	**27.3**	22.7	20.2	21.0	18.8	17.1	17.6	16.5	15.2			
	20.57	22	8000	13350	**19.1**	15.9	14.1	14.7	13.2	11.9	12.3	11.6	10.6			
	23.63	19	8000	13350	**16.6**	13.9	12.3	12.8	11.5	10.4	10.7	10.1	9.2			
	29.99	15	8000	13350	**13.1**	10.9	9.7	10.1	9.0	8.2	8.5	7.9	7.3			
1:2,5	**5.06**	71	6750	10163	**52.0**	43.3	38.5	40.0	35.9	32.5	33.5	31.5	28.9	232	57	TT08
	6.97	52	6750	13350	**37.8**	31.5	28.0	29.1	26.1	23.6	24.4	22.9	21.0			
	10.62	34	8000	13350	**29.5**	24.6	21.8	22.7	20.3	18.4	19.0	17.9	16.4			
	12.87	28	8000	13350	**24.3**	20.3	18.0	18.7	16.8	15.2	15.7	14.7	13.5			
	14.33	25	8000	13350	**21.9**	18.2	16.2	16.8	15.1	13.7	14.1	13.3	12.1			
	20.57	18	8000	13350	**15.3**	12.7	11.3	11.8	10.5	9.6	9.9	9.3	8.5			
	23.63	15	8000	13350	**13.3**	11.1	9.9	10.2	9.2	8.3	8.6	8.1	7.4			
	29.99	12	8000	13350	**10.5**	8.7	7.8	8.1	7.2	6.6	6.8	6.4	5.8			
1:3	**5.06**	59	6750	11442	**43.3**	36.1	32.1	33.3	29.9	27.1	28.0	26.3	24.1	232	57	TT08
	6.97	43	6750	13350	**31.5**	26.2	23.3	24.2	21.7	19.7	20.3	19.1	17.5			
	10.62	28	8000	13350	**24.6**	20.5	18.2	18.9	16.9	15.3	15.8	14.9	13.6			
	12.87	23	8000	13350	**20.3**	16.9	15.0	15.6	14.0	12.7	13.1	12.3	11.3			
	14.33	21	8000	13350	**18.2**	15.2	13.5	14.0	12.6	11.4	11.8	11.0	10.1			
	20.57	15	8000	13350	**12.7**	10.6	9.4	9.8	8.8	8.0	8.2	7.7	7.1			
	23.63	13	8000	13350	**11.1**	9.3	8.2	8.5	7.7	6.9	7.2	6.7	6.2			
	29.99	10	8000	13350	**8.7**	7.3	6.5	6.7	6.0	5.5	5.6	5.3	4.9			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları

TT Series Performance Tables

TT Serien Leistung und Drehzahlübersicht

n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT87		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.07**	177	7770	5181	**148.0**	123.3	109.6	113.8	102.1	92.5	95.5	89.7	82.2	375	58	TT09
	7.16	126	10580	4953	**143.1**	119.3	106.0	110.1	98.7	89.5	92.3	86.7	79.5			
	9.98	90	12980	16438	**126.1**	105.1	93.4	97.0	87.0	78.8	81.4	76.4	70.1			
	12.50	72	13000	18867	**101.0**	84.2	74.8	77.7	69.7	63.1	65.2	61.2	56.1			
	15.98	56	13000	21289	**79.2**	66.0	58.7	60.9	54.6	49.5	51.1	48.0	44.0			
	20.88	43	13000	21700	**60.7**	50.6	44.9	46.7	41.8	37.9	39.1	36.8	33.7			
	23.42	38	13000	21700	**54.2**	45.1	40.1	41.7	37.3	33.8	34.9	32.8	30.1			
	30.29	30	13000	21700	**42.0**	35.0	31.1	32.3	29.0	26.2	27.1	25.5	23.3			
1:1,5	**5.07**	118	7770	9942	**99.0**	82.5	73.3	76.1	68.3	61.9	63.8	60.0	55.0	375	58	TT09
	7.16	84	10980	9201	**99.3**	82.8	73.6	76.4	68.5	62.1	64.1	60.2	55.2			
	9.98	60	13000	20024	**84.4**	70.4	62.6	65.0	58.2	52.8	54.5	51.2	46.9			
	12.50	48	13000	21700	**67.5**	56.3	50.0	52.0	46.6	42.2	43.6	40.9	37.5			
	15.98	38	13000	21700	**52.9**	44.1	39.2	40.7	36.5	33.1	34.2	32.1	29.4			
	20.88	29	13000	21700	**40.6**	33.8	30.0	31.2	28.0	25.4	26.2	24.6	22.5			
	23.42	26	13000	21700	**36.2**	30.2	26.8	27.9	25.0	22.6	23.4	21.9	20.1			
	30.29	20	13000	21700	**28.1**	23.4	20.8	21.6	19.4	17.5	18.1	17.0	15.6			
1:2	**5.07**	89	7770	12854	**74.4**	62.0	55.1	57.2	51.3	46.5	48.0	45.1	41.3	375	58	TT09
	7.16	63	10980	12463	**74.6**	62.2	55.3	57.4	51.5	46.7	48.2	45.2	41.5			
	9.98	45	13000	21700	**63.4**	52.9	47.0	48.8	43.8	39.7	40.9	38.5	35.2			
	12.50	36	13000	21700	**50.7**	42.3	37.6	39.0	35.0	31.7	32.7	30.8	28.2			
	15.98	28	13000	21700	**39.8**	33.1	29.5	30.6	27.4	24.9	25.7	24.1	22.1			
	20.88	22	13000	21700	**30.5**	25.4	22.6	23.4	21.0	19.0	19.7	18.5	16.9			
	23.42	19	13000	21700	**27.2**	22.7	20.1	20.9	18.8	17.0	17.5	16.5	15.1			
	30.29	15	13000	21700	**21.1**	17.6	15.6	16.2	14.5	13.2	13.6	12.8	11.7			
1:2,5	**5.07**	71	7770	16108	**59.6**	49.7	44.1	45.8	41.1	37.2	38.4	36.1	33.1	375	58	TT09
	7.16	50	10980	16112	**59.8**	49.9	44.3	46.0	41.3	37.4	38.6	36.3	33.2			
	9.98	36	13000	21700	**50.8**	42.4	37.7	39.1	35.1	31.8	32.8	30.8	28.2			
	12.50	29	13000	21700	**40.7**	33.9	30.1	31.3	28.0	25.4	26.2	24.6	22.6			
	15.98	23	13000	21700	**31.9**	26.6	23.6	24.5	22.0	19.9	20.6	19.3	17.7			
	20.88	17	13000	21700	**24.4**	20.3	18.1	18.8	16.8	15.3	15.8	14.8	13.6			
	23.42	15	13000	21700	**21.8**	18.2	16.1	16.8	15.0	13.6	14.1	13.2	12.1			
	30.29	12	13000	21700	**16.9**	14.1	12.5	13.0	11.6	10.6	10.9	10.2	9.4			
1:3	**5.07**	59	7770	17735	**49.7**	41.4	36.8	38.2	34.3	31.0	32.0	30.1	27.6	375	58	TT09
	7.16	42	10980	17937	**49.9**	41.5	36.9	38.3	34.4	31.2	32.2	30.2	27.7			
	9.98	30	13000	21700	**42.4**	35.3	31.4	32.6	29.2	26.5	27.3	25.7	23.5			
	12.50	24	13000	21700	**33.9**	28.2	25.1	26.1	23.4	21.2	21.9	20.5	18.8			
	15.98	19	13000	21700	**26.6**	22.1	19.7	20.4	18.3	16.6	17.1	16.1	14.8			
	20.88	14	13000	21700	**20.3**	17.0	15.1	15.7	14.0	12.7	13.1	12.3	11.3			
	23.42	13	13000	21700	**18.2**	15.1	13.5	14.0	12.5	11.3	11.7	11.0	10.1			
	30.29	10	13000	21700	**14.1**	11.7	10.4	10.8	9.7	8.8	9.1	8.5	7.8			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

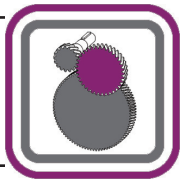
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=900 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT97		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**6.34**	142	13940	4385	**212.6**	177.1	157.4	163.5	146.6	132.8	137.1	128.8	118.1	505	59	TT10
	7.05	128	15510	2910	**212.6**	177.2	157.5	163.6	146.7	132.9	137.2	128.9	118.1			
	12.22	74	18000	23114	**142.9**	119.1	105.9	109.9	98.6	89.3	92.2	86.6	79.4			
	13.61	66	18000	24440	**128.5**	107.1	95.2	98.8	88.6	80.3	82.9	77.9	71.4			
	15.23	59	18000	25841	**114.9**	95.8	85.1	88.4	79.3	71.8	74.1	69.6	63.8			
	19.70	46	18000	29068	**89.0**	74.1	65.9	68.4	61.4	55.6	57.4	53.9	49.4			
	24.42	37	18000	31864	**71.9**	59.9	53.3	55.3	49.6	45.0	46.4	43.6	40.0			
	31.36	29	18000	32500	**56.2**	46.8	41.6	43.2	38.7	35.1	36.2	34.0	31.2			
1:1,5	**6.34**	95	13940	11060	**142.1**	118.4	105.3	109.3	98.0	88.8	91.7	86.1	79.0	505	59	TT10
	7.05	85	15510	9836	**142.2**	118.5	105.3	109.4	98.1	88.9	91.7	86.2	79.0			
	12.22	49	18000	27668	**95.6**	79.6	70.8	73.5	65.9	59.7	61.6	57.9	53.1			
	13.61	44	18000	29160	**85.9**	71.6	63.6	66.1	59.3	53.7	55.4	52.1	47.7			
	15.23	39	18000	30744	**76.8**	64.0	56.9	59.1	53.0	48.0	49.6	46.6	42.7			
	19.70	30	18000	32500	**59.5**	49.6	44.1	45.8	41.0	37.2	38.4	36.1	33.0			
	24.42	25	18000	32500	**48.1**	40.1	35.6	37.0	33.2	30.1	31.0	29.1	26.7			
	31.36	19	18000	32500	**37.6**	31.3	27.8	28.9	25.9	23.5	24.2	22.8	20.9			
1:2	**6.34**	71	13940	15144	**106.8**	89.0	79.1	82.2	73.7	66.7	68.9	64.7	59.3	505	59	TT10
	7.05	64	15510	14073	**106.8**	89.0	79.1	82.2	73.7	66.8	68.9	64.8	59.4			
	12.22	37	18000	30453	**71.8**	59.8	53.2	55.2	49.5	44.9	46.3	43.5	39.9			
	13.61	33	18000	32047	**64.6**	53.8	47.8	49.7	44.5	40.3	41.6	39.1	35.9			
	15.23	30	18000	32500	**57.7**	48.1	42.8	44.4	39.8	36.1	37.2	35.0	32.1			
	19.70	23	18000	32500	**44.7**	37.2	33.1	34.4	30.8	27.9	28.8	27.1	24.8			
	24.42	18	18000	32500	**36.1**	30.1	26.8	27.8	24.9	22.6	23.3	21.9	20.1			
	31.36	14	18000	32500	**28.2**	23.5	20.9	21.7	19.5	17.6	18.2	17.1	15.7			
1:2,5	**6.34**	57	13940	19711	**85.6**	71.3	63.4	65.8	59.0	53.5	55.2	51.9	47.6	505	59	TT10
	7.05	51	15510	18813	**85.6**	71.4	63.4	65.9	59.1	53.5	55.2	51.9	47.6			
	12.22	29	18000	32500	**57.5**	47.9	42.6	44.3	39.7	36.0	37.1	34.9	32.0			
	13.61	26	18000	32500	**51.7**	43.1	38.3	39.8	35.7	32.3	33.4	31.4	28.7			
	15.23	24	18000	32500	**46.3**	38.6	34.3	35.6	31.9	28.9	29.8	28.0	25.7			
	19.70	18	18000	32500	**35.8**	29.8	26.5	27.5	24.7	22.4	23.1	21.7	19.9			
	24.42	15	18000	32500	**28.9**	24.1	21.4	22.3	20.0	18.1	18.7	17.5	16.1			
	31.36	11	18000	32500	**22.6**	18.8	16.7	17.4	15.6	14.1	14.6	13.7	12.6			
1:3	**6.34**	47	13940	21994	**71.3**	59.4	52.8	54.9	49.2	44.6	46.0	43.2	39.6	505	59	TT10
	7.05	43	15510	21183	**71.4**	59.5	52.9	54.9	49.2	44.6	46.0	43.3	39.6			
	12.22	25	18000	32500	**47.9**	40.0	35.5	36.9	33.1	30.0	30.9	29.1	26.6			
	13.61	22	18000	32500	**43.1**	35.9	31.9	33.2	29.7	26.9	27.8	26.1	23.9			
	15.23	20	18000	32500	**38.6**	32.1	28.6	29.7	26.6	24.1	24.9	23.4	21.4			
	19.70	15	18000	32500	**29.8**	24.9	22.1	23.0	20.6	18.6	19.3	18.1	16.6			
	24.42	12	18000	32500	**24.1**	20.1	17.9	18.6	16.6	15.1	15.6	14.6	13.4			
	31.36	10	18000	32500	**18.8**	15.7	13.9	14.5	13.0	11.8	12.1	11.4	10.5			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

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n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT17		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.86**	288	160	1390	**5.0**	4.2	3.7	3.8	3.4	3.1	3.2	3.0	2.8	13	50	TT01
	6.67	210	200	1713	**4.5**	3.8	3.4	3.5	3.1	2.8	2.9	2.8	2.5			
	9.54	147	200	2031	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	1.9	1.8			
	13.19	106	200	2330	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	15.18	92	200	2465	**2.0**	1.7	1.5	1.5	1.4	1.3	1.3	1.2	1.1			
	19.04	74	200	2690	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.97	0.89			
	25.24	55	200	2700	**1.2**	1.0	0.90	0.94	0.84	0.76	0.79	0.74	0.68			
	29.67	47	200	2700	**1.0**	0.86	0.77	0.80	0.72	0.65	0.67	0.63	0.58			
1:1,5	**4.86**	192	185	1608	**3.9**	3.2	2.9	3.0	2.7	2.4	2.5	2.3	2.1	13	50	TT01
	6.67	140	200	2033	**3.0**	2.5	2.3	2.3	2.1	1.9	2.0	1.8	1.7			
	9.54	98	200	2392	**2.1**	1.8	1.6	1.6	1.5	1.3	1.4	1.3	1.2			
	13.19	71	200	2700	**1.5**	1.3	1.1	1.2	1.1	1.0	1.0	0.94	0.86			
	15.18	61	200	2700	**1.3**	1.1	1.0	1.0	0.93	0.84	0.87	0.82	0.75			
	19.04	49	200	2700	**1.1**	0.90	0.80	0.83	0.74	0.67	0.69	0.65	0.60			
	25.24	37	200	2700	**0.81**	0.68	0.60	0.63	0.56	0.51	0.52	0.49	0.45			
	29.67	31	200	2700	**0.69**	0.58	0.51	0.53	0.48	0.43	0.45	0.42	0.39			
1:2	**4.86**	144	195	1795	**3.0**	2.5	2.3	2.3	2.1	1.9	2.0	1.8	1.7	13	50	TT01
	6.67	105	200	2180	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	9.54	73	200	2557	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.97	0.89			
	13.19	53	200	2700	**1.2**	0.97	0.86	0.89	0.80	0.73	0.75	0.70	0.65			
	15.18	46	200	2700	**1.01**	0.84	0.75	0.78	0.70	0.63	0.65	0.61	0.56			
	19.04	37	200	2700	**0.81**	0.67	0.60	0.62	0.56	0.50	0.52	0.49	0.45			
	25.24	28	200	2700	**0.61**	0.51	0.45	0.47	0.42	0.38	0.39	0.37	0.34			
	29.67	24	200	2700	**0.52**	0.43	0.39	0.40	0.36	0.33	0.34	0.32	0.29			
1:2,5	**4.86**	115	198	1982	**2.5**	2.1	1.8	1.9	1.7	1.5	1.6	1.5	1.4	13	50	TT01
	6.67	84	200	2411	**1.8**	1.5	1.4	1.4	1.3	1.1	1.2	1.1	1.0			
	9.54	59	200	2700	**1.3**	1.1	0.95	0.99	0.88	0.80	0.83	0.78	0.71			
	13.19	42	200	2700	**0.93**	0.78	0.69	0.72	0.64	0.58	0.60	0.56	0.52			
	15.18	37	200	2700	**0.81**	0.67	0.60	0.62	0.56	0.51	0.52	0.49	0.45			
	19.04	29	200	2700	**0.65**	0.54	0.48	0.50	0.45	0.40	0.42	0.39	0.36			
	25.24	22	200	2700	**0.49**	0.41	0.36	0.38	0.34	0.31	0.32	0.30	0.27			
	29.67	19	200	2700	**0.42**	0.35	0.31	0.32	0.29	0.26	0.27	0.25	0.23			
1:3	**4.86**	96	200	2169	**2.1**	1.7	1.5	1.6	1.4	1.3	1.3	1.3	1.2	13	50	TT01
	6.67	70	200	2641	**1.5**	1.3	1.1	1.2	1.1	0.95	0.98	0.92	0.85			
	9.54	49	200	2700	**1.1**	0.89	0.79	0.82	0.74	0.67	0.69	0.65	0.59			
	13.19	35	200	2700	**0.78**	0.65	0.57	0.60	0.54	0.49	0.50	0.47	0.43			
	15.18	31	200	2700	**0.67**	0.56	0.50	0.52	0.47	0.42	0.44	0.41	0.37			
	19.04	25	200	2700	**0.54**	0.45	0.40	0.41	0.37	0.34	0.35	0.33	0.30			
	25.24	18	200	2700	**0.41**	0.34	0.30	0.31	0.28	0.25	0.26	0.25	0.23			
	29.67	16	200	2700	**0.35**	0.29	0.26	0.27	0.24	0.22	0.22	0.21	0.19			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

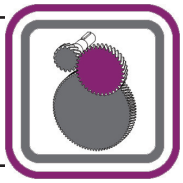
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									**TT27**		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.45**	257	450	688	**12.5**	10.4	9.2	9.6	8.6	7.8	8.0	7.6	6.9	23	51	TT02
	7.48	187	450	1590	**9.1**	7.6	6.7	7.0	6.3	5.7	5.9	5.5	5.1			
	10.25	137	450	2562	**6.7**	5.5	4.9	5.1	4.6	4.2	4.3	4.0	3.7			
	11.96	117	450	2700	**5.7**	4.8	4.2	4.4	3.9	3.6	3.7	3.5	3.2			
	14.07	99	450	2700	**4.9**	4.1	3.6	3.7	3.4	3.0	3.1	2.9	2.7			
	18.92	74	450	2700	**3.6**	3.0	2.7	2.8	2.5	2.3	2.3	2.2	2.0			
	25.23	55	450	2700	**2.7**	2.3	2.0	2.1	1.9	1.7	1.8	1.7	1.5			
	30.49	46	450	2700	**2.3**	1.9	1.7	1.7	1.6	1.4	1.5	1.4	1.3			
1:1,5	**5.45**	171	450	1367	**8.3**	6.9	6.2	6.4	5.8	5.2	5.4	5.1	4.6	23	51	TT02
	7.48	125	450	2347	**6.1**	5.1	4.5	4.7	4.2	3.8	3.9	3.7	3.4			
	10.25	91	450	2700	**4.4**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	11.96	78	450	2700	**3.8**	3.2	2.8	2.9	2.6	2.4	2.5	2.3	2.1			
	14.07	66	450	2700	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	2.0	1.8			
	18.92	49	450	2700	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.3			
	25.23	37	450	2700	**1.8**	1.5	1.3	1.4	1.3	1.1	1.2	1.1	1.0			
	30.49	31	450	2700	**1.5**	1.3	1.1	1.2	1.0	0.94	0.97	0.92	0.84			
1:2	**5.45**	128	450	2660	**6.3**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5	23	51	TT02
	7.48	94	450	2700	**4.6**	3.8	3.4	3.5	3.2	2.9	3.0	2.8	2.5			
	10.25	68	450	2700	**3.3**	2.8	2.5	2.6	2.3	2.1	2.2	2.0	1.9			
	11.96	59	450	2700	**2.9**	2.4	2.1	2.2	2.0	1.8	1.8	1.7	1.6			
	14.07	50	450	2700	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.4			
	18.92	37	450	2700	**1.8**	1.5	1.3	1.4	1.3	1.1	1.2	1.1	1.0			
	25.23	28	450	2700	**1.4**	1.1	1.0	1.1	0.94	0.85	0.88	0.83	0.76			
	30.49	23	450	2700	**1.1**	0.94	0.84	0.87	0.78	0.71	0.73	0.69	0.63			
1:2,5	**5.45**	103	450	2660	**5.0**	4.2	3.7	3.9	3.5	3.1	3.2	3.0	2.8	23	51	TT02
	7.48	75	450	2700	**3.7**	3.1	2.7	2.8	2.5	2.3	2.4	2.2	2.0			
	10.25	55	450	2700	**2.7**	2.2	2.0	2.1	1.8	1.7	1.7	1.6	1.5			
	11.96	47	450	2700	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	14.07	40	450	2700	**2.0**	1.6	1.4	1.5	1.3	1.2	1.3	1.2	1.1			
	18.92	30	450	2700	**1.5**	1.2	1.1	1.1	1.0	0.91	0.94	0.88	0.81			
	25.23	22	450	2700	**1.1**	0.91	0.81	0.84	0.75	0.68	0.71	0.66	0.61			
	30.49	18	450	2700	**0.91**	0.76	0.67	0.70	0.63	0.57	0.59	0.55	0.50			
1:3	**5.45**	86	450	2660	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3	23	51	TT02
	7.48	62	450	2700	**3.1**	2.5	2.3	2.4	2.1	1.9	2.0	1.9	1.7			
	10.25	46	450	2700	**2.2**	1.9	1.7	1.7	1.5	1.4	1.4	1.4	1.2			
	11.96	39	450	2700	**1.9**	1.6	1.4	1.5	1.3	1.2	1.2	1.2	1.1			
	14.07	33	450	2700	**1.6**	1.4	1.2	1.3	1.1	1.0	1.1	0.99	0.91			
	18.92	25	450	2700	**1.2**	1.0	0.90	0.94	0.84	0.76	0.78	0.74	0.68			
	25.23	18	450	2700	**0.91**	0.76	0.68	0.70	0.63	0.57	0.59	0.55	0.51			
	30.49	15	450	2700	**0.76**	0.63	0.56	0.58	0.52	0.47	0.49	0.46	0.42			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=1400 rpm	Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höchste Nominale Motorleistungen [kW]			TT28

i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag			kg		Fiyat kodu *Price Code* Preis No
					8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)			
1:1	**4.95**	283	425	554	**13.0**	10.8	9.6	10.0	8.9	8.1	8.4	7.9	7.2	30	52	TT03
	6.95	201	475	1435	**10.3**	8.6	7.7	8.0	7.1	6.5	6.7	6.3	5.7			
	10.18	138	535	2014	**8.0**	6.6	5.9	6.1	5.5	5.0	5.1	4.8	4.4			
	13.78	102	590	2312	**6.5**	5.4	4.8	5.0	4.5	4.1	4.2	3.9	3.6			
	16.29	86	600	2499	**5.6**	4.7	4.2	4.3	3.9	3.5	3.6	3.4	3.1			
	20.86	67	600	2795	**4.4**	3.7	3.3	3.4	3.0	2.7	2.8	2.7	2.4			
	24.30	58	600	2985	**3.8**	3.1	2.8	2.9	2.6	2.4	2.4	2.3	2.1			
	29.25	48	600	3220	**3.1**	2.6	2.3	2.4	2.2	2.0	2.0	1.9	1.7			
1:1,5	**4.95**	189	485	684	**9.9**	8.3	7.3	7.6	6.8	6.2	6.4	6.0	5.5	30	52	TT03
	6.95	134	540	1796	**7.9**	6.6	5.8	6.0	5.4	4.9	5.1	4.8	4.4			
	10.18	92	600	2351	**6.0**	5.0	4.4	4.6	4.1	3.7	3.9	3.6	3.3			
	13.78	68	600	2745	**4.4**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	16.29	57	600	2966	**3.7**	3.1	2.8	2.9	2.6	2.3	2.4	2.3	2.1			
	20.86	45	600	3304	**2.9**	2.4	2.2	2.3	2.0	1.8	1.9	1.8	1.6			
	24.30	38	600	3520	**2.5**	2.1	1.9	1.9	1.7	1.6	1.6	1.5	1.4			
	29.25	32	600	3789	**2.1**	1.7	1.6	1.6	1.4	1.3	1.4	1.3	1.2			
1:2	**4.95**	141	515	725	**7.9**	6.6	5.8	6.1	5.4	4.9	5.1	4.8	4.4	30	52	TT03
	6.95	101	570	2016	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
	10.18	69	600	2533	**4.5**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	13.78	51	600	2948	**3.3**	2.8	2.5	2.6	2.3	2.1	2.1	2.0	1.8			
	16.29	43	600	3181	**2.8**	2.3	2.1	2.2	1.9	1.8	1.8	1.7	1.6			
	20.86	34	600	3536	**2.2**	1.8	1.6	1.7	1.5	1.4	1.4	1.3	1.2			
	24.30	29	600	3764	**1.9**	1.6	1.4	1.5	1.3	1.2	1.2	1.1	1.1			
	29.25	24	600	4050	**1.6**	1.3	1.2	1.2	1.1	0.98	1.02	0.95	0.87			
1:2,5	**4.95**	113	523	1071	**6.4**	5.4	4.8	4.9	4.4	4.0	4.1	3.9	3.6	30	52	TT03
	6.95	81	585	2263	**5.1**	4.3	3.8	3.9	3.5	3.2	3.3	3.1	2.8			
	10.18	55	600	2821	**3.6**	3.0	2.7	2.8	2.5	2.2	2.3	2.2	2.0			
	13.78	41	600	3267	**2.7**	2.2	2.0	2.0	1.8	1.7	1.7	1.6	1.5			
	16.29	34	600	3518	**2.3**	1.9	1.7	1.7	1.6	1.4	1.5	1.4	1.3			
	20.86	27	600	3902	**1.8**	1.5	1.3	1.4	1.2	1.1	1.1	1.1	1.0			
	24.30	23	600	4150	**1.5**	1.3	1.1	1.2	1.0	0.95	0.98	0.92	0.84			
	29.25	19	600	4350	**1.3**	1.1	0.93	0.97	0.87	0.79	0.81	0.76	0.70			
1:3	**4.95**	94	530	1417	**5.4**	4.5	4.0	4.2	3.7	3.4	3.5	3.3	3.0	30	52	TT03
	6.95	67	600	2510	**4.4**	3.7	3.3	3.4	3.0	2.7	2.8	2.7	2.4			
	10.18	46	600	3109	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			
	13.78	34	600	3585	**2.2**	1.9	1.6	1.7	1.5	1.4	1.4	1.3	1.2			
	16.29	29	600	3855	**1.9**	1.6	1.4	1.4	1.3	1.2	1.2	1.1	1.0			
	20.86	22	600	4269	**1.5**	1.2	1.1	1.1	1.0	0.92	0.95	0.89	0.82			
	24.30	19	600	4350	**1.3**	1.1	0.94	0.97	0.87	0.79	0.82	0.77	0.70			
	29.25	16	600	4350	**1.1**	0.88	0.78	0.81	0.73	0.66	0.68	0.64	0.58			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

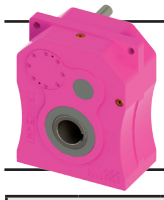
Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

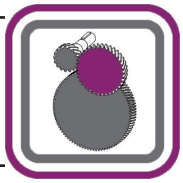
Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)



TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT37		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.46**	314	600	1504	**20.3**	16.9	15.0	15.6	14.0	12.7	13.1	12.3	11.3	37	53	TT04
	6.50	215	730	2186	**17.0**	14.1	12.6	13.0	11.7	10.6	10.9	10.3	9.4			
	9.94	141	820	3328	**12.5**	10.4	9.2	9.6	8.6	7.8	8.1	7.6	6.9			
	13.02	108	820	3810	**9.6**	8.0	7.1	7.4	6.6	6.0	6.2	5.8	5.3			
	15.05	93	820	4072	**8.3**	6.9	6.1	6.4	5.7	5.2	5.3	5.0	4.6			
	19.53	72	820	4350	**6.4**	5.3	4.7	4.9	4.4	4.0	4.1	3.9	3.5			
	24.86	56	820	4350	**5.0**	4.2	3.7	3.9	3.5	3.1	3.2	3.0	2.8			
	28.13	50	820	4350	**4.5**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
1:1,5	**4.46**	209	685	1935	**15.5**	12.9	11.5	11.9	10.7	9.7	10.0	9.4	8.6	37	53	TT04
	6.50	144	820	2803	**12.7**	10.6	9.4	9.8	8.8	8.0	8.2	7.7	7.1			
	9.94	94	820	3967	**8.3**	7.0	6.2	6.4	5.8	5.2	5.4	5.1	4.6			
	13.02	72	820	4350	**6.4**	5.3	4.7	4.9	4.4	4.0	4.1	3.9	3.6			
	15.05	62	820	4350	**5.5**	4.6	4.1	4.3	3.8	3.5	3.6	3.4	3.1			
	19.53	48	820	4350	**4.3**	3.6	3.2	3.3	2.9	2.7	2.8	2.6	2.4			
	24.86	38	820	4350	**3.4**	2.8	2.5	2.6	2.3	2.1	2.2	2.0	1.9			
	28.13	33	820	4350	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			
1:2	**4.46**	157	725	2069	**12.3**	10.3	9.1	9.5	8.5	7.7	7.9	7.5	6.8	37	53	TT04
	6.50	108	820	3252	**9.6**	8.0	7.1	7.4	6.6	6.0	6.2	5.8	5.3			
	9.94	70	820	4260	**6.3**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
	13.02	54	820	4350	**4.8**	4.0	3.6	3.7	3.3	3.0	3.1	2.9	2.7			
	15.05	47	820	4350	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3			
	19.53	36	820	4350	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	1.9	1.8			
	24.86	28	820	4350	**2.5**	2.1	1.9	1.9	1.7	1.6	1.6	1.5	1.4			
	28.13	25	820	4350	**2.2**	1.9	1.7	1.7	1.5	1.40	1.44	1.35	1.24			
1:2,5	**4.46**	126	773	2381	**10.5**	8.8	7.8	8.1	7.2	6.6	6.8	6.4	5.8	37	53	TT04
	6.50	86	820	3638	**7.7**	6.4	5.7	5.9	5.3	4.8	4.9	4.6	4.3			
	9.94	56	820	4350	**5.0**	4.2	3.7	3.9	3.5	3.1	3.2	3.0	2.8			
	13.02	43	820	4350	**3.8**	3.2	2.8	3.0	2.7	2.4	2.5	2.3	2.1			
	15.05	37	820	4350	**3.3**	2.8	2.5	2.6	2.3	2.1	2.1	2.0	1.9			
	19.53	29	820	4350	**2.6**	2.1	1.9	2.0	1.8	1.6	1.7	1.6	1.4			
	24.86	23	820	4350	**2.0**	1.7	1.5	1.6	1.4	1.3	1.3	1.2	1.1			
	28.13	20	820	4350	**1.8**	1.5	1.3	1.4	1.2	1.1	1.2	1.1	0.99			
1:3	**4.46**	105	820	2693	**9.3**	7.8	6.9	7.2	6.4	5.8	6.0	5.6	5.2	37	53	TT04
	6.50	72	820	4023	**6.4**	5.3	4.7	4.9	4.4	4.0	4.1	3.9	3.6			
	9.94	47	820	4350	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3			
	13.02	36	820	4350	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	1.9	1.8			
	15.05	31	820	4350	**2.8**	2.3	2.1	2.1	1.9	1.7	1.8	1.7	1.5			
	19.53	24	820	4350	**2.1**	1.8	1.6	1.6	1.5	1.3	1.4	1.3	1.2			
	24.86	19	820	4350	**1.7**	1.4	1.2	1.3	1.2	1.1	1.1	1.0	0.94			
	28.13	17	820	4350	**1.5**	1.2	1.1	1.1	1.0	0.9	0.96	0.90	0.83			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT47		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.97**	282	1130	1391	**34.3**	28.5	25.4	26.3	23.6	21.4	22.1	20.8	19.0	52	54	TT05
	6.82	205	1250	2477	**27.7**	23.1	20.5	21.3	19.1	17.3	17.9	16.8	15.4			
	9.69	145	1410	4259	**22.0**	18.4	16.3	16.9	15.2	13.8	14.2	13.4	12.2			
	13.46	104	1550	4972	**17.5**	14.6	13.0	13.4	12.1	10.9	11.3	10.6	9.7			
	16.31	86	1550	5471	**14.4**	12.0	10.7	11.1	9.9	9.0	9.3	8.7	8.0			
	20.74	67	1550	5800	**11.4**	9.5	8.4	8.7	7.8	7.1	7.3	6.9	6.3			
	26.64	53	1550	5800	**8.9**	7.4	6.6	6.8	6.1	5.5	5.7	5.4	4.9			
	30.11	46	1550	5800	**7.9**	6.5	5.8	6.0	5.4	4.9	5.1	4.8	4.4			
1:1,5	**4.97**	188	1290	1911	**26.1**	21.8	19.4	20.1	18.0	16.3	16.9	15.8	14.5	52	54	TT05
	6.82	137	1430	3146	**21.2**	17.7	15.7	16.3	14.6	13.2	13.7	12.8	11.8			
	9.69	96	1550	4994	**16.2**	13.5	12.0	12.5	11.2	10.1	10.4	9.8	9.0			
	13.46	69	1550	5800	**11.7**	9.7	8.7	9.0	8.1	7.3	7.5	7.1	6.5			
	16.31	57	1550	5800	**9.6**	8.0	7.1	7.4	6.7	6.0	6.2	5.8	5.4			
	20.74	45	1550	5800	**7.6**	6.3	5.6	5.8	5.2	4.8	4.9	4.6	4.2			
	26.64	35	1550	5800	**5.9**	4.9	4.4	4.6	4.1	3.7	3.8	3.6	3.3			
	30.11	31	1550	5800	**5.3**	4.4	3.9	4.0	3.6	3.3	3.4	3.2	2.9			
1:2	**4.97**	141	1360	2079	**20.7**	17.3	15.3	15.9	14.3	12.9	13.4	12.5	11.5	52	54	TT05
	6.82	103	1510	3379	**16.8**	14.0	12.4	12.9	11.6	10.5	10.8	10.2	9.3			
	9.69	72	1550	5377	**12.2**	10.1	9.0	9.4	8.4	7.6	7.8	7.4	6.8			
	13.46	52	1550	5800	**8.8**	7.3	6.5	6.8	6.1	5.5	5.7	5.3	4.9			
	16.31	43	1550	5800	**7.2**	6.0	5.4	5.6	5.0	4.5	4.7	4.4	4.0			
	20.74	34	1550	5800	**5.7**	4.8	4.2	4.4	3.9	3.6	3.7	3.5	3.2			
	26.64	26	1550	5800	**4.4**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	30.11	23	1550	5800	**3.9**	3.3	2.9	3.0	2.7	2.5	2.5	2.4	2.2			
1:2,5	**4.97**	113	1455	2424	**17.8**	14.8	13.1	13.7	12.2	11.1	11.5	10.8	9.9	52	54	TT05
	6.82	82	1530	4237	**13.6**	11.4	10.1	10.5	9.4	8.5	8.8	8.3	7.6			
	9.69	58	1550	5800	**9.7**	8.1	7.2	7.5	6.7	6.1	6.3	5.9	5.4			
	13.46	42	1550	5800	**7.0**	5.9	5.2	5.4	4.9	4.4	4.5	4.3	3.9			
	16.31	34	1550	5800	**5.8**	4.8	4.3	4.5	4.0	3.6	3.7	3.5	3.2			
	20.74	27	1550	5800	**4.6**	3.8	3.4	3.5	3.2	2.9	3.0	2.8	2.5			
	26.64	21	1550	5800	**3.6**	3.0	2.6	2.7	2.5	2.2	2.3	2.2	2.0			
	30.11	19	1550	5800	**3.2**	2.6	2.3	2.4	2.2	2.0	2.0	1.9	1.8			
1:3	**4.97**	94	1550	2769	**15.8**	13.2	11.7	12.1	10.9	9.9	10.2	9.6	8.8	52	54	TT05
	6.82	68	1550	5094	**11.5**	9.6	8.5	8.9	8.0	7.2	7.4	7.0	6.4			
	9.69	48	1550	5800	**8.1**	6.8	6.0	6.3	5.6	5.1	5.2	4.9	4.5			
	13.46	35	1550	5800	**5.9**	4.9	4.3	4.5	4.0	3.7	3.8	3.6	3.3			
	16.31	29	1550	5800	**4.8**	4.0	3.6	3.7	3.3	3.0	3.1	2.9	2.7			
	20.74	22	1550	5800	**3.8**	3.2	2.8	2.9	2.6	2.4	2.5	2.3	2.1			
	26.64	18	1550	5800	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			
	30.11	15	1550	5800	**2.6**	2.2	2.0	2.0	1.8	1.6	1.7	1.6	1.5			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

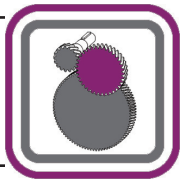
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT57		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.26**	266	2260	2433	**64.6**	53.8	47.8	49.7	44.5	40.4	41.7	39.1	35.9	102	55	TT06
	6.78	206	2450	3685	**54.5**	45.4	40.3	41.9	37.6	34.0	35.1	33.0	30.3			
	10.69	131	2880	6592	**40.7**	33.9	30.1	31.3	28.0	25.4	26.2	24.6	22.6			
	12.16	115	3000	7005	**37.3**	31.1	27.6	28.7	25.7	23.3	24.1	22.6	20.7			
	16.03	87	3000	8035	**28.4**	23.6	21.0	21.8	19.6	17.7	18.3	17.2	15.8			
	21.89	64	3000	8300	**20.8**	17.3	15.4	16.0	14.3	13.0	13.4	12.6	11.6			
	24.56	57	3000	8300	**18.6**	15.5	13.7	14.3	12.8	11.6	12.0	11.2	10.3			
	29.52	47	3000	8300	**15.4**	12.9	11.4	11.9	10.7	9.7	10.0	9.4	8.6			
1:1,5	**5.26**	177	2570	2986	**49.1**	40.9	36.4	37.8	33.9	30.7	31.7	29.8	27.3	102	55	TT06
	6.78	138	2800	4380	**41.6**	34.7	30.8	32.0	28.7	26.0	26.9	25.2	23.1			
	10.69	87	3000	7819	**28.3**	23.6	21.0	21.8	19.5	17.7	18.3	17.2	15.7			
	12.16	77	3000	8300	**24.9**	20.8	18.5	19.2	17.2	15.6	16.1	15.1	13.9			
	16.03	58	3000	8300	**19.0**	15.8	14.1	14.6	13.1	11.9	12.2	11.5	10.5			
	21.89	43	3000	8300	**13.9**	11.6	10.3	10.7	9.6	8.7	9.0	8.4	7.7			
	24.56	38	3000	8300	**12.4**	10.3	9.2	9.5	8.6	7.8	8.0	7.5	6.9			
	29.52	32	3000	8300	**10.3**	8.6	7.6	7.9	7.1	6.5	6.7	6.3	5.7			
1:2	**5.26**	133	2720	3931	**39.0**	32.5	28.9	30.0	26.9	24.4	25.2	23.7	21.7	102	55	TT06
	6.78	103	2950	5461	**32.9**	27.4	24.4	25.3	22.7	20.6	21.2	20.0	18.3			
	10.69	65	3000	8300	**21.3**	17.7	15.8	16.4	14.7	13.3	13.7	12.9	11.8			
	12.16	58	3000	8300	**18.7**	15.6	13.9	14.4	12.9	11.7	12.1	11.3	10.4			
	16.03	44	3000	8300	**14.2**	11.9	10.6	11.0	9.8	8.9	9.2	8.6	7.9			
	21.89	32	3000	8300	**10.4**	8.7	7.7	8.0	7.2	6.5	6.7	6.3	5.8			
	24.56	29	3000	8300	**9.3**	7.8	6.9	7.2	6.4	5.8	6.0	5.6	5.2			
	29.52	24	3000	8300	**7.8**	6.5	5.7	6.0	5.3	4.8	5.0	4.7	4.3			
1:2,5	**5.26**	106	2860	4705	**32.9**	27.4	24.4	25.3	22.7	20.6	21.2	19.9	18.3	102	55	TT06
	6.78	83	2975	6478	**26.6**	22.2	19.7	20.5	18.4	16.6	17.2	16.1	14.8			
	10.69	52	3000	8300	**17.0**	14.2	12.6	13.1	11.8	10.7	11.0	10.3	9.5			
	12.16	46	3000	8300	**15.0**	12.5	11.1	11.5	10.3	9.4	9.7	9.1	8.3			
	16.03	35	3000	8300	**11.4**	9.5	8.5	8.8	7.9	7.1	7.4	6.9	6.3			
	21.89	26	3000	8300	**8.4**	7.0	6.2	6.4	5.8	5.2	5.4	5.1	4.6			
	24.56	23	3000	8300	**7.5**	6.2	5.5	5.7	5.1	4.7	4.8	4.5	4.1			
	29.52	19	3000	8300	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
1:3	**5.26**	89	3000	5478	**28.8**	24.0	21.3	22.2	19.9	18.0	18.6	17.5	16.0	102	55	TT06
	6.78	69	3000	7496	**22.4**	18.7	16.6	17.2	15.5	14.0	14.5	13.6	12.4			
	10.69	44	3000	8300	**14.2**	11.9	10.5	10.9	9.8	8.9	9.2	8.6	7.9			
	12.16	38	3000	8300	**12.5**	10.4	9.3	9.6	8.6	7.8	8.1	7.6	7.0			
	16.03	29	3000	8300	**9.5**	7.9	7.1	7.3	6.6	6.0	6.1	5.8	5.3			
	21.89	21	3000	8300	**7.0**	5.8	5.2	5.4	4.8	4.4	4.5	4.2	3.9			
	24.56	19	3000	8300	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
	29.52	16	3000	8300	**5.2**	4.3	3.8	4.0	3.6	3.2	3.3	3.1	2.9			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT67		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.02**	279	2820	2627	**84.5**	70.4	62.6	65.0	58.3	52.8	54.5	51.2	46.9	142	56	TT07
	6.73	208	3260	3616	**72.8**	60.7	54.0	56.0	50.2	45.5	47.0	44.1	40.5			
	10.64	132	4180	7992	**59.3**	49.4	43.9	45.6	40.9	37.0	38.2	35.9	32.9			
	12.74	110	4300	8700	**51.0**	42.5	37.7	39.2	35.1	31.8	32.9	30.9	28.3			
	14.29	98	4300	8700	**45.5**	37.9	33.7	35.0	31.4	28.4	29.3	27.6	25.3			
	20.89	67	4300	8700	**31.2**	26.0	23.1	24.0	21.5	19.5	20.1	18.9	17.3			
	24.13	58	4300	8700	**27.1**	22.6	20.1	20.8	18.7	16.9	17.5	16.4	15.0			
	31.19	45	4300	8700	**21.0**	17.5	15.5	16.1	14.5	13.1	13.5	12.7	11.6			
1:1,5	**5.02**	186	3220	3194	**64.5**	53.8	47.8	49.6	44.5	40.3	41.6	39.1	35.8	142	56	TT07
	6.73	139	3710	4793	**55.4**	46.2	41.1	42.6	38.2	34.6	35.8	33.6	30.8			
	10.64	88	4300	8700	**40.8**	34.0	30.2	31.4	28.1	25.5	26.3	24.7	22.6			
	12.74	73	4300	8700	**34.1**	28.4	25.2	26.2	23.5	21.3	22.0	20.6	18.9			
	14.29	65	4300	8700	**30.4**	25.3	22.5	23.4	21.0	19.0	19.6	18.4	16.9			
	20.89	45	4300	8700	**20.9**	17.4	15.5	16.1	14.4	13.0	13.5	12.7	11.6			
	24.13	39	4300	8700	**18.1**	15.1	13.4	13.9	12.5	11.3	11.7	11.0	10.1			
	31.19	30	4300	8700	**14.0**	11.7	10.4	10.8	9.7	8.8	9.0	8.5	7.8			
1:2	**5.02**	140	3400	3870	**51.1**	42.6	37.9	39.3	35.3	32.0	33.0	31.0	28.4	142	56	TT07
	6.73	104	3830	5458	**43.0**	35.8	31.8	33.1	29.6	26.9	27.7	26.0	23.9			
	10.64	66	4300	8700	**30.6**	25.5	22.7	23.6	21.1	19.1	19.8	18.6	17.0			
	12.74	55	4300	8700	**25.6**	21.3	18.9	19.7	17.6	16.0	16.5	15.5	14.2			
	14.29	49	4300	8700	**22.8**	19.0	16.9	17.6	15.7	14.3	14.7	13.8	12.7			
	20.89	34	4300	8700	**15.7**	13.1	11.6	12.1	10.8	9.8	10.1	9.5	8.7			
	24.13	29	4300	8700	**13.6**	11.3	10.1	10.5	9.4	8.5	8.8	8.2	7.6			
	31.19	22	4300	8700	**10.5**	8.8	7.8	8.1	7.3	6.6	6.8	6.4	5.8			
1:2,5	**5.02**	112	3575	4735	**43.1**	35.9	31.9	33.2	29.7	26.9	27.8	26.1	23.9	142	56	TT07
	6.73	83	3830	7147	**34.4**	28.7	25.5	26.5	23.8	21.5	22.2	20.9	19.1			
	10.64	53	4300	8700	**24.5**	20.4	18.2	18.9	16.9	15.3	15.8	14.9	13.6			
	12.74	44	4300	8700	**20.5**	17.1	15.2	15.8	14.1	12.8	13.2	12.4	11.4			
	14.29	39	4300	8700	**18.3**	15.2	13.6	14.1	12.6	11.4	11.8	11.1	10.2			
	20.89	27	4300	8700	**12.6**	10.5	9.3	9.7	8.7	7.9	8.1	7.6	7.0			
	24.13	23	4300	8700	**10.9**	9.1	8.1	8.4	7.5	6.8	7.0	6.6	6.1			
	31.19	18	4300	8700	**8.4**	7.0	6.2	6.5	5.8	5.3	5.4	5.1	4.7			
1:3	**5.02**	93	3750	5601	**37.8**	31.5	28.0	29.0	26.0	23.6	24.4	22.9	21.0	142	56	TT07
	6.73	69	3830	8700	**28.8**	24.0	21.3	22.1	19.8	18.0	18.6	17.4	16.0			
	10.64	44	4300	8700	**20.5**	17.1	15.2	15.8	14.1	12.8	13.2	12.4	11.4			
	12.74	37	4300	8700	**17.1**	14.3	12.7	13.2	11.8	10.7	11.0	10.4	9.5			
	14.29	33	4300	8700	**15.3**	12.7	11.3	11.7	10.5	9.5	9.9	9.3	8.5			
	20.89	22	4300	8700	**10.5**	8.7	7.8	8.1	7.2	6.6	6.8	6.4	5.8			
	24.13	19	4300	8700	**9.1**	7.6	6.7	7.0	6.3	5.7	5.9	5.5	5.1			
	31.19	15	4300	8700	**7.0**	5.9	5.2	5.4	4.9	4.4	4.5	4.3	3.9			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
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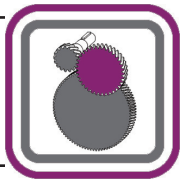


n1=1400 rpm

Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW]
Permissible Highest Nominal Motor Powers [kW]
Erlaubte Höhchste Nominale Motorleistungen [kW]

TT77

i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag 8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag 8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag 8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		Fiyat kodu *Price Code* Preis No
1:1	**5.06**	277	5110	2590	**151.6**	126.4	112.3	116.6	104.6	94.8	97.8	91.9	84.2	232	57	TT08
	6.97	201	6030	4198	**130.0**	108.3	96.3	100.0	89.7	81.2	83.9	78.8	72.2			
	10.62	132	7570	11615	**107.4**	89.5	79.6	82.6	74.1	67.1	69.3	65.1	59.7			
	12.87	109	8000	12790	**93.7**	78.1	69.4	72.1	64.6	58.6	60.5	56.8	52.1			
	14.33	98	8000	13350	**84.2**	70.2	62.4	64.8	58.1	52.7	54.4	51.1	46.8			
	20.57	68	8000	13350	**58.9**	49.1	43.6	45.3	40.6	36.8	38.0	35.7	32.7			
	23.63	59	8000	13350	**51.4**	42.8	38.1	39.5	35.4	32.1	33.1	31.1	28.5			
	29.99	47	8000	13350	**40.5**	33.7	30.0	31.2	27.9	25.3	26.1	24.5	22.5			
1:1,5	**5.06**	184	5830	3264	**115.6**	96.4	85.7	89.0	79.8	72.3	74.6	70.1	64.2	232	57	TT08
	6.97	134	6750	5530	**97.3**	81.1	72.1	74.8	67.1	60.8	62.8	59.0	54.1			
	10.62	88	8000	13350	**75.9**	63.3	56.2	58.4	52.3	47.4	49.0	46.0	42.2			
	12.87	73	8000	13350	**62.7**	52.2	46.4	48.2	43.2	39.2	40.4	38.0	34.8			
	14.33	65	8000	13350	**56.3**	46.9	41.7	43.3	38.9	35.2	36.3	34.1	31.3			
	20.57	45	8000	13350	**39.4**	32.8	29.2	30.3	27.2	24.6	25.4	23.9	21.9			
	23.63	39	8000	13350	**34.4**	28.6	25.4	26.4	23.7	21.5	22.2	20.8	19.1			
	29.99	31	8000	13350	**27.1**	22.6	20.1	20.8	18.7	16.9	17.5	16.4	15.0			
1:2	**5.06**	138	6150	3600	**91.6**	76.3	67.9	70.5	63.2	57.3	59.1	55.5	50.9	232	57	TT08
	6.97	100	6750	7149	**73.1**	60.9	54.1	56.2	50.4	45.7	47.1	44.3	40.6			
	10.62	66	8000	13350	**57.0**	47.5	42.2	43.8	39.3	35.6	36.8	34.5	31.7			
	12.87	54	8000	13350	**47.1**	39.2	34.9	36.2	32.5	29.4	30.4	28.5	26.1			
	14.33	49	8000	13350	**42.3**	35.3	31.3	32.5	29.2	26.4	27.3	25.6	23.5			
	20.57	34	8000	13350	**29.6**	24.7	21.9	22.8	20.4	18.5	19.1	17.9	16.4			
	23.63	30	8000	13350	**25.8**	21.5	19.1	19.8	17.8	16.1	16.6	15.6	14.3			
	29.99	23	8000	13350	**20.3**	16.9	15.1	15.6	14.0	12.7	13.1	12.3	11.3			
1:2,5	**5.06**	111	6450	5603	**77.0**	64.2	57.0	59.2	53.1	48.1	49.7	46.7	42.8	232	57	TT08
	6.97	80	6750	9701	**58.6**	48.8	43.4	45.0	40.4	36.6	37.8	35.5	32.5			
	10.62	53	8000	13350	**45.7**	38.1	33.8	35.1	31.5	28.6	29.5	27.7	25.4			
	12.87	44	8000	13350	**37.7**	31.4	27.9	29.0	26.0	23.6	24.3	22.9	21.0			
	14.33	39	8000	13350	**33.9**	28.2	25.1	26.1	23.4	21.2	21.9	20.5	18.8			
	20.57	27	8000	13350	**23.7**	19.8	17.6	18.2	16.3	14.8	15.3	14.4	13.2			
	23.63	24	8000	13350	**20.7**	17.2	15.3	15.9	14.3	12.9	13.3	12.5	11.5			
	29.99	19	8000	13350	**16.3**	13.6	12.1	12.5	11.2	10.2	10.5	9.9	9.0			
1:3	**5.06**	92	6750	7606	**67.3**	56.1	49.8	51.8	46.4	42.0	43.4	40.8	37.4	232	57	TT08
	6.97	67	6750	12253	**48.9**	40.7	36.2	37.6	33.7	30.6	31.5	29.6	27.2			
	10.62	44	8000	13350	**38.1**	31.8	28.2	29.3	26.3	23.8	24.6	23.1	21.2			
	12.87	36	8000	13350	**31.5**	26.2	23.3	24.2	21.7	19.7	20.3	19.1	17.5			
	14.33	33	8000	13350	**28.3**	23.6	21.0	21.8	19.5	17.7	18.3	17.2	15.7			
	20.57	23	8000	13350	**19.8**	16.5	14.7	15.2	13.6	12.4	12.8	12.0	11.0			
	23.63	20	8000	13350	**17.2**	14.4	12.8	13.3	11.9	10.8	11.1	10.5	9.6			
	29.99	16	8000	13350	**13.6**	11.3	10.1	10.5	9.4	8.5	8.8	8.2	7.6			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT87		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.07**	276	7770	1138	**229.6**	191.4	170.1	176.6	158.4	143.5	148.2	139.2	127.6	375	58	TT09
	7.16	196	9280	3941	**194.7**	162.3	144.3	149.8	134.3	121.7	125.6	118.0	108.2			
	9.98	140	11390	13346	**171.7**	143.0	127.1	132.0	118.4	107.3	110.7	104.0	95.4			
	12.50	112	12340	16030	**148.7**	123.9	110.2	114.4	102.6	92.9	95.9	90.1	82.6			
	15.98	88	13000	17928	**122.8**	102.3	91.0	94.5	84.7	76.8	79.2	74.4	68.2			
	20.88	67	13000	20325	**94.1**	78.4	69.7	72.4	64.9	58.8	60.7	57.0	52.3			
	23.42	60	13000	21368	**84.0**	70.0	62.2	64.6	57.9	52.5	54.2	50.9	46.7			
	30.29	46	13000	21700	**65.1**	54.3	48.2	50.1	44.9	40.7	42.0	39.5	36.2			
1:1,5	**5.07**	184	7770	5181	**153.5**	127.9	113.7	118.1	105.9	95.9	99.0	93.0	85.3	375	58	TT09
	7.16	130	10580	4953	**148.4**	123.7	110.0	114.2	102.4	92.8	95.8	90.0	82.5			
	9.98	94	12980	16438	**130.8**	109.0	96.9	100.6	90.2	81.7	84.4	79.3	72.6			
	12.50	75	13000	18867	**104.7**	87.3	77.6	80.6	72.2	65.5	67.6	63.5	58.2			
	15.98	58	13000	21289	**82.1**	68.4	60.8	63.2	56.6	51.3	53.0	49.8	45.6			
	20.88	45	13000	21700	**62.9**	52.4	46.6	48.4	43.4	39.3	40.6	38.1	35.0			
	23.42	40	13000	21700	**56.2**	46.8	41.6	43.2	38.7	35.1	36.2	34.0	31.2			
	30.29	31	13000	21700	**43.6**	36.3	32.3	33.5	30.0	27.2	28.1	26.4	24.2			
1:2	**5.07**	138	7770	7030	**115.2**	96.0	85.4	88.7	79.5	72.0	74.4	69.8	64.0	375	58	TT09
	7.16	98	10980	5939	**115.7**	96.4	85.7	89.0	79.8	72.3	74.6	70.1	64.3			
	9.98	70	13000	17957	**98.3**	82.0	72.8	75.7	67.8	61.5	63.4	59.6	54.6			
	12.50	56	13000	20283	**78.7**	65.5	58.3	60.5	54.2	49.2	50.7	47.7	43.7			
	15.98	44	13000	21700	**61.7**	51.4	45.7	47.4	42.5	38.5	39.8	37.4	34.3			
	20.88	34	13000	21700	**47.2**	39.4	35.0	36.3	32.6	29.5	30.5	28.6	26.2			
	23.42	30	13000	21700	**42.2**	35.1	31.2	32.4	29.1	26.4	27.2	25.6	23.4			
	30.29	23	13000	21700	**32.7**	27.3	24.2	25.2	22.6	20.4	21.1	19.8	18.2			
1:2,5	**5.07**	110	7770	9942	**92.4**	77.0	68.4	71.1	63.7	57.7	59.6	56.0	51.3	375	58	TT09
	7.16	78	10980	9201	**92.7**	77.3	68.7	71.3	63.9	57.9	59.8	56.2	51.5			
	9.98	56	13000	20024	**78.8**	65.7	58.4	60.6	54.4	49.3	50.8	47.8	43.8			
	12.50	45	13000	21700	**63.0**	52.5	46.7	48.5	43.5	39.4	40.7	38.2	35.0			
	15.98	35	13000	21700	**49.4**	41.2	36.6	38.0	34.1	30.9	31.9	29.9	27.5			
	20.88	27	13000	21700	**37.9**	31.5	28.0	29.1	26.1	23.7	24.4	22.9	21.0			
	23.42	24	13000	21700	**33.8**	28.2	25.0	26.0	23.3	21.1	21.8	20.5	18.8			
	30.29	18	13000	21700	**26.2**	21.8	19.4	20.2	18.1	16.4	16.9	15.9	14.6			
1:3	**5.07**	92	7770	12854	**77.1**	64.3	57.1	59.3	53.2	48.2	49.8	46.7	42.8	375	58	TT09
	7.16	65	10980	12463	**77.4**	64.5	57.3	59.5	53.4	48.4	49.9	46.9	43.0			
	9.98	47	13000	21700	**65.8**	54.8	48.7	50.6	45.4	41.1	42.4	39.9	36.6			
	12.50	37	13000	21700	**52.6**	43.9	39.0	40.5	36.3	32.9	33.9	31.9	29.2			
	15.98	29	13000	21700	**41.2**	34.4	30.6	31.7	28.4	25.8	26.6	25.0	22.9			
	20.88	22	13000	21700	**31.6**	26.3	23.4	24.3	21.8	19.8	20.4	19.2	17.6			
	23.42	20	13000	21700	**28.2**	23.5	20.9	21.7	19.5	17.6	18.2	17.1	15.7			
	30.29	15	13000	21700	**21.9**	18.2	16.2	16.8	15.1	13.7	14.1	13.3	12.1			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

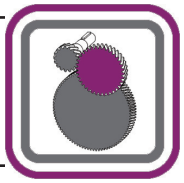
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=1400 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT97		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**6.34**	221	13940	-	**329.8**	274.8	244.3	253.7	227.4	206.1	212.8	199.9	183.2	505	59	TT10
	7.05	199	15510	-	**329.9**	274.9	244.4	253.8	227.5	206.2	212.8	199.9	183.3			
	12.22	115	18000	17597	**221.7**	184.7	164.2	170.5	152.9	138.5	143.0	134.3	123.2			
	13.61	103	18000	19273	**199.3**	166.1	147.6	153.3	137.5	124.6	128.6	120.8	110.7			
	15.23	92	18000	21871	**178.2**	148.5	132.0	137.1	122.9	111.4	115.0	108.0	99.0			
	19.70	71	18000	24532	**138.0**	115.0	102.2	106.1	95.2	86.2	89.0	83.6	76.7			
	24.42	57	18000	26989	**111.6**	93.0	82.6	85.8	76.9	69.7	72.0	67.6	62.0			
	31.36	45	18000	29952	**87.1**	72.6	64.5	67.0	60.1	54.5	56.2	52.8	48.4			
1:1,5	**6.34**	147	13940	4385	**220.4**	183.7	163.3	169.6	152.0	137.8	142.2	133.6	122.5	505	59	TT10
	7.05	132	15510	2910	**220.5**	183.8	163.3	169.6	152.1	137.8	142.3	133.6	122.5			
	12.22	76	18000	23114	**148.2**	123.5	109.8	114.0	102.2	92.6	95.6	89.8	82.3			
	13.61	69	18000	24440	**133.3**	111.0	98.7	102.5	91.9	83.3	86.0	80.8	74.0			
	15.23	61	18000	25841	**119.2**	99.3	88.3	91.7	82.2	74.5	76.9	72.2	66.2			
	19.70	47	18000	29068	**92.3**	76.9	68.3	71.0	63.6	57.7	59.5	55.9	51.3			
	24.42	38	18000	31864	**74.6**	62.2	55.3	57.4	51.4	46.6	48.1	45.2	41.4			
	31.36	30	18000	32500	**58.3**	48.5	43.2	44.8	40.2	36.4	37.6	35.3	32.4			
1:2	**6.34**	110	13940	6977	**165.5**	137.9	122.6	127.3	114.2	103.5	106.8	100.3	92.0	505	59	TT10
	7.05	99	15510	5599	**165.6**	138.0	122.7	127.4	114.2	103.5	106.8	100.4	92.0			
	12.22	57	18000	24883	**111.3**	92.7	82.4	85.6	76.7	69.6	71.8	67.4	61.8			
	13.61	51	18000	26273	**100.1**	83.4	74.1	77.0	69.0	62.5	64.6	60.6	55.6			
	15.23	46	18000	27745	**89.5**	74.6	66.3	68.8	61.7	55.9	57.7	54.2	49.7			
	19.70	36	18000	31144	**69.3**	57.7	51.3	53.3	47.8	43.3	44.7	42.0	38.5			
	24.42	29	18000	32500	**56.0**	46.7	41.5	43.1	38.6	35.0	36.1	33.9	31.1			
	31.36	22	18000	32500	**43.7**	36.5	32.4	33.7	30.2	27.3	28.2	26.5	24.3			
1:2,5	**6.34**	88	13940	11060	**132.7**	110.6	98.3	102.0	91.5	82.9	85.6	80.4	73.7	505	59	TT10
	7.05	79	15510	9836	**132.7**	110.6	98.3	102.1	91.5	83.0	85.6	80.4	73.7			
	12.22	46	18000	27668	**89.2**	74.3	66.1	68.6	61.5	55.7	57.5	54.1	49.5			
	13.61	41	18000	29160	**80.2**	66.8	59.4	61.7	55.3	50.1	51.7	48.6	44.6			
	15.23	37	18000	30744	**71.7**	59.8	53.1	55.2	49.5	44.8	46.3	43.5	39.8			
	19.70	28	18000	32500	**55.5**	46.3	41.1	42.7	38.3	34.7	35.8	33.6	30.8			
	24.42	23	18000	32500	**44.9**	37.4	33.2	34.5	31.0	28.1	29.0	27.2	24.9			
	31.36	18	18000	32500	**35.1**	29.2	26.0	27.0	24.2	21.9	22.6	21.2	19.5			
1:3	**6.34**	74	13940	15144	**110.8**	92.3	82.0	85.2	76.4	69.2	71.5	67.1	61.5	505	59	TT10
	7.05	66	15510	14073	**110.8**	92.3	82.1	85.2	76.4	69.3	71.5	67.2	61.6			
	12.22	38	18000	30453	**74.5**	62.0	55.1	57.3	51.3	46.5	48.0	45.1	41.4			
	13.61	34	18000	32047	**66.9**	55.8	49.6	51.5	46.2	41.8	43.2	40.6	37.2			
	15.23	31	18000	32500	**59.9**	49.9	44.3	46.1	41.3	37.4	38.6	36.3	33.3			
	19.70	24	18000	32500	**46.3**	38.6	34.3	35.6	32.0	29.0	29.9	28.1	25.7			
	24.42	19	18000	32500	**37.5**	31.2	27.8	28.8	25.8	23.4	24.2	22.7	20.8			
	31.36	15	18000	32500	**29.3**	24.4	21.7	22.5	20.2	18.3	18.9	17.7	16.3			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT17		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.86**	576	130	983	**8.1**	6.7	6.0	6.2	5.6	5.0	5.2	4.9	4.5	13	50	TT01
	6.67	420	160	1359	**7.2**	6.0	5.4	5.6	5.0	4.5	4.7	4.4	4.0			
	9.54	293	195	1568	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.7	3.4			
	13.19	212	200	1807	**4.6**	3.8	3.4	3.5	3.2	2.9	3.0	2.8	2.6			
	15.18	184	200	1916	**4.0**	3.3	3.0	3.1	2.8	2.5	2.6	2.4	2.2			
	19.04	147	200	2099	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	1.9	1.8			
	25.24	111	200	2339	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.3			
	29.67	94	200	2485	**2.1**	1.7	1.5	1.6	1.4	1.3	1.3	1.3	1.1			
1:1,5	**4.86**	384	150	1259	**6.2**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5	13	50	TT01
	6.67	280	187	1599	**5.7**	4.7	4.2	4.3	3.9	3.5	3.6	3.4	3.1			
	9.54	196	198	1882	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3			
	13.19	142	200	2161	**3.1**	2.6	2.3	2.4	2.1	1.9	2.0	1.9	1.7			
	15.18	123	200	2288	**2.7**	2.2	2.0	2.1	1.8	1.7	1.7	1.6	1.5			
	19.04	98	200	2500	**2.1**	1.8	1.6	1.6	1.5	1.3	1.4	1.3	1.2			
	25.24	74	200	2700	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.98	0.90			
	29.67	63	200	2700	**1.4**	1.2	1.02	1.1	0.95	0.86	0.89	0.84	0.77			
1:2	**4.86**	288	160	1390	**5.0**	4.2	3.7	3.8	3.4	3.1	3.2	3.0	2.8	13	50	TT01
	6.67	210	200	1713	**4.5**	3.8	3.4	3.5	3.1	2.8	2.9	2.8	2.5			
	9.54	147	200	2031	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	1.9	1.8			
	13.19	106	200	2330	**2.3**	1.9	1.7	1.8	1.6	1.4	1.5	1.4	1.3			
	15.18	92	200	2465	**2.0**	1.7	1.5	1.5	1.4	1.3	1.3	1.2	1.1			
	19.04	74	200	2690	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.97	0.89			
	25.24	55	200	2700	**1.2**	1.0	0.90	0.94	0.84	0.76	0.79	0.74	0.68			
	29.67	47	200	2700	**1.0**	0.86	0.77	0.80	0.72	0.65	0.67	0.63	0.58			
1:2,5	**4.86**	230	173	1521	**4.3**	3.6	3.2	3.3	3.0	2.7	2.8	2.6	2.4	13	50	TT01
	6.67	168	200	1905	**3.6**	3.0	2.7	2.8	2.5	2.3	2.3	2.2	2.0			
	9.54	117	200	2248	**2.6**	2.1	1.9	2.0	1.8	1.6	1.6	1.5	1.4			
	13.19	85	200	2571	**1.9**	1.5	1.4	1.4	1.3	1.2	1.2	1.1	1.0			
	15.18	74	200	2700	**1.6**	1.3	1.2	1.2	1.1	1.0	1.0	0.98	0.90			
	19.04	59	200	2700	**1.3**	1.1	0.95	0.99	0.89	0.80	0.83	0.78	0.72			
	25.24	44	200	2700	**1.0**	0.81	0.72	0.75	0.67	0.61	0.63	0.59	0.54			
	29.67	38	200	2700	**0.83**	0.69	0.62	0.64	0.57	0.52	0.54	0.50	0.46			
1:3	**4.86**	192	173	1608	**3.9**	3.2	2.9	3.0	2.7	2.4	2.5	2.3	2.1	13	50	TT01
	6.67	140	200	2033	**3.0**	2.5	2.3	2.3	2.1	1.9	2.0	1.8	1.7			
	9.54	98	200	2392	**2.1**	1.8	1.6	1.6	1.5	1.3	1.4	1.3	1.2			
	13.19	71	200	2700	**1.5**	1.3	1.1	1.2	1.1	1.0	1.0	0.94	0.86			
	15.18	61	200	2700	**1.3**	1.1	1.0	1.0	0.93	0.84	0.87	0.82	0.75			
	19.04	49	200	2700	**1.1**	0.90	0.80	0.83	0.74	0.67	0.69	0.65	0.60			
	25.24	37	200	2700	**0.81**	0.68	0.60	0.63	0.56	0.51	0.52	0.49	0.45			
	29.67	31	200	2700	0.69	0.58	0.51	0.53	0.48	0.43	0.45	0.42	0.39			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

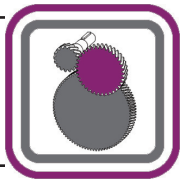
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT27		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**5.45**	514	395	253	**21.8**	18.2	16.1	16.8	15.0	13.6	14.1	13.2	12.1	23	51	TT02
	7.48	374	425	787	**17.1**	14.3	12.7	13.2	11.8	10.7	11.0	10.4	9.5			
	10.25	273	450	1944	**13.2**	11.0	9.8	10.2	9.1	8.3	8.5	8.0	7.4			
	11.96	234	450	2107	**11.4**	9.5	8.4	8.7	7.8	7.1	7.3	6.9	6.3			
	14.07	199	450	2279	**9.7**	8.1	7.2	7.4	6.7	6.0	6.2	5.9	5.4			
	18.92	148	450	2601	**7.2**	6.0	5.3	5.6	5.0	4.5	4.7	4.4	4.0			
	25.23	111	450	2700	**5.4**	4.5	4.0	4.2	3.7	3.4	3.5	3.3	3.0			
	30.49	92	450	2700	**4.5**	3.7	3.3	3.5	3.1	2.8	2.9	2.7	2.5			
1:1,5	**5.45**	343	432	548	**15.9**	13.3	11.8	12.3	11.0	10.0	10.3	9.7	8.8	23	51	TT02
	7.48	250	442	1332	**11.9**	9.9	8.8	9.2	8.2	7.4	7.7	7.2	6.6			
	10.25	182	450	2363	**8.9**	7.4	6.6	6.8	6.1	5.5	5.7	5.4	4.9			
	11.96	156	450	2549	**7.6**	6.3	5.6	5.8	5.2	4.7	4.9	4.6	4.2			
	14.07	133	450	2700	**6.5**	5.4	4.8	5.0	4.5	4.0	4.2	3.9	3.6			
	18.92	99	450	2700	**4.8**	4.0	3.6	3.7	3.3	3.0	3.1	2.9	2.7			
	25.23	74	450	2700	**3.6**	3.0	2.7	2.8	2.5	2.3	2.3	2.2	2.0			
	30.49	61	450	2700	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			
1:2	**5.45**	257	450	688	**12.5**	10.4	9.2	9.6	8.6	7.8	8.0	7.6	6.9	23	51	TT02
	7.48	187	450	1590	**9.1**	7.6	6.7	7.0	6.3	5.7	5.9	5.5	5.1			
	10.25	137	450	2562	**6.7**	5.5	4.9	5.1	4.6	4.2	4.3	4.0	3.7			
	11.96	117	450	2700	**5.7**	4.8	4.2	4.4	3.9	3.6	3.7	3.5	3.2			
	14.07	99	450	2700	**4.9**	4.1	3.6	3.7	3.4	3.0	3.1	2.9	2.7			
	18.92	74	450	2700	**3.6**	3.0	2.7	2.8	2.5	2.3	2.3	2.2	2.0			
	25.23	55	450	2700	**2.7**	2.3	2.0	2.1	1.9	1.7	1.8	1.7	1.5			
	30.49	46	450	2700	**2.3**	1.9	1.7	1.7	1.6	1.4	1.5	1.4	1.3			
1:2,5	**5.45**	206	450	1095	**10.0**	8.3	7.4	7.7	6.9	6.2	6.4	6.1	5.5	23	51	TT02
	7.48	150	450	2045	**7.3**	6.1	5.4	5.6	5.0	4.6	4.7	4.4	4.1			
	10.25	109	450	2700	**5.3**	4.4	3.9	4.1	3.7	3.3	3.4	3.2	3.0			
	11.96	94	450	2700	**4.6**	3.8	3.4	3.5	3.2	2.9	2.9	2.8	2.5			
	14.07	80	450	2700	**3.9**	3.2	2.9	3.0	2.7	2.4	2.5	2.4	2.2			
	18.92	59	450	2700	**2.9**	2.4	2.2	2.2	2.0	1.8	1.9	1.8	1.6			
	25.23	44	450	2700	**2.2**	1.8	1.6	1.7	1.5	1.4	1.4	1.3	1.2			
	30.49	37	450	2700	**1.8**	1.5	1.3	1.4	1.2	1.1	1.2	1.1	1.0			
1:3	**5.45**	171	450	1367	**8.3**	6.9	6.2	6.4	5.8	5.2	5.4	5.1	4.6	23	51	TT02
	7.48	125	450	2347	**6.1**	5.1	4.5	4.7	4.2	3.8	3.9	3.7	3.4			
	10.25	91	450	2700	**4.4**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	11.96	78	450	2700	**3.8**	3.2	2.8	2.9	2.6	2.4	2.5	2.3	2.1			
	14.07	66	450	2700	**3.2**	2.7	2.4	2.5	2.2	2.0	2.1	2.0	1.8			
	18.92	49	450	2700	**2.4**	2.0	1.8	1.9	1.7	1.5	1.6	1.5	1.3			
	25.23	37	450	2700	**1.8**	1.5	1.3	1.4	1.3	1.1	1.2	1.1	1.0			
	30.49	31	450	2700	**1.5**	1.3	1.1	1.2	1.0	0.94	0.97	0.92	0.84			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
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TT Serien Leistung und Drehzahlübersicht

n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höchste Nominale Motorleistungen [kW]									TT28		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.95**	566	345	319	**21.0**	17.5	15.5	16.1	14.5	13.1	13.5	12.7	11.6	30	52	TT03
	6.95	403	385	1105	**16.7**	13.9	12.4	12.8	11.5	10.4	10.8	10.1	9.3			
	10.18	275	435	1523	**12.9**	10.7	9.5	9.9	8.9	8.1	8.3	7.8	7.2			
	13.78	203	480	1827	**10.5**	8.8	7.8	8.1	7.3	6.6	6.8	6.4	5.9			
	16.29	172	505	1963	**9.4**	7.8	7.0	7.2	6.5	5.9	6.1	5.7	5.2			
	20.86	134	545	2173	**7.9**	6.6	5.9	6.1	5.5	5.0	5.1	4.8	4.4			
	24.30	115	575	2306	**7.2**	6.0	5.3	5.5	5.0	4.5	4.6	4.4	4.0			
	29.25	96	600	2480	**6.3**	5.2	4.6	4.8	4.3	3.9	4.0	3.8	3.5			
1:1,5	**4.95**	377	399	478	**16.2**	13.5	12.0	12.5	11.2	10.1	10.5	9.8	9.0	30	52	TT03
	6.95	269	540	1329	**15.6**	13.0	11.6	12.0	10.8	9.8	10.1	9.5	8.7			
	10.18	183	600	1856	**11.9**	9.9	8.8	9.1	8.2	7.4	7.7	7.2	6.6			
	13.78	135	600	2156	**8.8**	7.3	6.5	6.8	6.1	5.5	5.7	5.3	4.9			
	16.29	115	600	2327	**7.5**	6.2	5.5	5.7	5.1	4.7	4.8	4.5	4.1			
	20.86	89	600	2595	**5.8**	4.9	4.3	4.5	4.0	3.7	3.8	3.5	3.2			
	24.30	77	600	2766	**5.0**	4.2	3.7	3.9	3.5	3.1	3.2	3.0	2.8			
	29.25	64	600	2982	**4.2**	3.5	3.1	3.2	2.9	2.6	2.7	2.5	2.3			
1:2	**4.95**	283	425	554	**13.0**	10.8	9.6	10.0	8.9	8.1	8.4	7.9	7.2	30	52	TT03
	6.95	201	475	1435	**10.3**	8.6	7.7	8.0	7.1	6.5	6.7	6.3	5.7			
	10.18	138	535	2014	**8.0**	6.6	5.9	6.1	5.5	5.0	5.1	4.8	4.4			
	13.78	102	590	2312	**6.5**	5.4	4.8	5.0	4.5	4.1	4.2	3.9	3.6			
	16.29	86	600	2499	**5.6**	4.7	4.2	4.3	3.9	3.5	3.6	3.4	3.1			
	20.86	67	600	2795	**4.4**	3.7	3.3	3.4	3.0	2.7	2.8	2.7	2.4			
	24.30	58	600	2985	**3.8**	3.1	2.8	2.9	2.6	2.4	2.4	2.3	2.1			
	29.25	48	600	3220	**3.1**	2.6	2.3	2.4	2.2	2.0	2.0	1.9	1.7			
1:2,5	**4.95**	226	455	632	**11.1**	9.3	8.2	8.6	7.7	7.0	7.2	6.7	6.2	30	52	TT03
	6.95	161	508	1652	**8.9**	7.4	6.6	6.8	6.1	5.5	5.7	5.4	4.9			
	10.18	110	568	2216	**6.8**	5.6	5.0	5.2	4.7	4.2	4.4	4.1	3.8			
	13.78	81	595	2572	**5.3**	4.4	3.9	4.0	3.6	3.3	3.4	3.2	2.9			
	16.29	69	600	2779	**4.5**	3.7	3.3	3.5	3.1	2.8	2.9	2.7	2.5			
	20.86	54	600	3100	**3.5**	2.9	2.6	2.7	2.4	2.2	2.3	2.1	2.0			
	24.30	46	600	3306	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			
	29.25	38	600	3562	**2.5**	2.1	1.9	1.9	1.7	1.6	1.6	1.5	1.4			
1:3	**4.95**	189	455	684	**9.9**	8.3	7.3	7.6	6.8	6.2	6.4	6.0	5.5	30	52	TT03
	6.95	134	508	1796	**7.9**	6.6	5.8	6.0	5.4	4.9	5.1	4.8	4.4			
	10.18	92	568	2351	**6.0**	5.0	4.4	4.6	4.1	3.7	3.9	3.6	3.3			
	13.78	68	595	2745	**4.4**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
	16.29	57	600	2966	**3.7**	3.1	2.8	2.9	2.6	2.3	2.4	2.3	2.1			
	20.86	45	600	3304	**2.9**	2.4	2.2	2.3	2.0	1.8	1.9	1.8	1.6			
	24.30	38	600	3520	**2.5**	2.1	1.9	1.9	1.7	1.6	1.6	1.5	1.4			
	29.25	32	600	3789	**2.1**	1.7	1.6	1.6	1.4	1.3	1.4	1.3	1.2			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

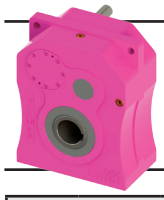
Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

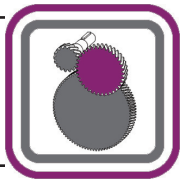
Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)



TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=2800 rpm	Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]													**TT37**		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**4.46**	628	490	1016	**33.0**	27.5	24.4	25.4	22.7	20.6	21.3	20.0	18.3	37	53	TT04
	6.50	431	595	1561	**27.5**	22.9	20.4	21.2	19.0	17.2	17.8	16.7	15.3			
	9.94	282	685	2614	**20.8**	17.3	15.4	16.0	14.3	13.0	13.4	12.6	11.5			
	13.02	215	745	2956	**17.3**	14.4	12.8	13.3	11.9	10.8	11.2	10.5	9.6			
	15.05	186	780	3145	**15.7**	13.1	11.6	12.1	10.8	9.8	10.1	9.5	8.7			
	19.53	143	820	3517	**12.7**	10.6	9.4	9.8	8.8	7.9	8.2	7.7	7.1			
	24.86	113	820	3900	**10.0**	8.3	7.4	7.7	6.9	6.3	6.5	6.1	5.6			
	28.13	100	820	4101	**8.9**	7.4	6.6	6.8	6.1	5.5	5.7	5.4	4.9			
1:1,5	**4.46**	419	565	1347	**25.4**	21.2	18.8	19.5	17.5	15.9	16.4	15.4	14.1	37	53	TT04
	6.50	287	687	1985	**21.2**	17.7	15.7	16.3	14.6	13.3	13.7	12.9	11.8			
	9.94	188	777	3099	**15.7**	13.1	11.7	12.1	10.8	9.8	10.1	9.5	8.7			
	13.02	143	796	3535	**12.3**	10.3	9.1	9.5	8.5	7.7	8.0	7.5	6.9			
	15.05	124	807	3774	**10.8**	9.0	8.0	8.3	7.5	6.8	7.0	6.6	6.0			
	19.53	96	820	4224	**8.5**	7.1	6.3	6.5	5.9	5.3	5.5	5.2	4.7			
	24.86	75	820	4350	**6.7**	5.6	5.0	5.1	4.6	4.2	4.3	4.1	3.7			
	28.13	66	820	4350	**5.9**	4.9	4.4	4.6	4.1	3.7	3.8	3.6	3.3			
1:2	**4.46**	314	600	1504	**20.3**	16.9	15.0	15.6	14.0	12.7	13.1	12.3	11.3	37	53	TT04
	6.50	215	730	2186	**17.0**	14.1	12.6	13.0	11.7	10.6	10.9	10.3	9.4			
	9.94	141	820	3328	**12.5**	10.4	9.2	9.6	8.6	7.8	8.1	7.6	6.9			
	13.02	108	820	3810	**9.6**	8.0	7.1	7.4	6.6	6.0	6.2	5.8	5.3			
	15.05	93	820	4072	**8.3**	6.9	6.1	6.4	5.7	5.2	5.3	5.0	4.6			
	19.53	72	820	4350	**6.4**	5.3	4.7	4.9	4.4	4.0	4.1	3.9	3.5			
	24.86	56	820	4350	**5.0**	4.2	3.7	3.9	3.5	3.1	3.2	3.0	2.8			
	28.13	50	820	4350	**4.5**	3.7	3.3	3.4	3.1	2.8	2.9	2.7	2.5			
1:2,5	**4.46**	251	643	1762	**17.4**	14.5	12.9	13.4	12.0	10.9	11.2	10.5	9.7	37	53	TT04
	6.50	172	775	2556	**14.4**	12.0	10.7	11.1	9.9	9.0	9.3	8.7	8.0			
	9.94	113	820	3712	**10.0**	8.3	7.4	7.7	6.9	6.2	6.5	6.1	5.6			
	13.02	86	820	4230	**7.7**	6.4	5.7	5.9	5.3	4.8	4.9	4.6	4.3			
	15.05	74	820	4350	**6.6**	5.5	4.9	5.1	4.6	4.1	4.3	4.0	3.7			
	19.53	57	820	4350	**5.1**	4.3	3.8	3.9	3.5	3.2	3.3	3.1	2.8			
	24.86	45	820	4350	**4.0**	3.4	3.0	3.1	2.8	2.5	2.6	2.4	2.2			
	28.13	40	820	4350	**3.6**	3.0	2.6	2.7	2.5	2.2	2.3	2.2	2.0			
1:3	**4.46**	209	643	1935	**15.5**	12.9	11.5	11.9	10.7	9.7	10.0	9.4	8.6	37	53	TT04
	6.50	144	775	2803	**12.7**	10.6	9.4	9.8	8.8	8.0	8.2	7.7	7.1			
	9.94	94	820	3967	**8.3**	7.0	6.2	6.4	5.8	5.2	5.4	5.1	4.6			
	13.02	72	820	4350	**6.4**	5.3	4.7	4.9	4.4	4.0	4.1	3.9	3.6			
	15.05	62	820	4350	**5.5**	4.6	4.1	4.3	3.8	3.5	3.6	3.4	3.1			
	19.53	48	820	4350	**4.3**	3.6	3.2	3.3	2.9	2.7	2.8	2.6	2.4			
	24.86	38	820	4350	**3.4**	2.8	2.5	2.6	2.3	2.1	2.2	2.0	1.9			
	28.13	33	820	4350	**3.0**	2.5	2.2	2.3	2.1	1.9	1.9	1.8	1.7			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
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n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT47		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**6.82**	410	1020	1704	**45.0**	37.5	33.3	34.6	31.0	28.1	29.0	27.3	25.0	52	54	TT05
	9.69	289	1150	3361	**35.8**	29.8	26.5	27.5	24.7	22.4	23.1	21.7	19.9			
	13.46	208	1270	3925	**28.5**	23.8	21.1	21.9	19.7	17.8	18.4	17.3	15.8			
	16.31	172	1360	4275	**25.2**	21.0	18.7	19.4	17.4	15.7	16.3	15.3	14.0			
	20.74	135	1460	4715	**21.3**	17.8	15.8	16.4	14.7	13.3	13.8	12.9	11.8			
	26.64	105	1550	5216	**17.7**	14.7	13.1	13.6	12.2	11.0	11.4	10.7	9.8			
	30.11	93	1550	5489	**15.6**	13.0	11.6	12.0	10.8	9.8	10.1	9.5	8.7			
1:1,5	**4.97**	375	1063	1216	**42.9**	35.7	31.7	33.0	29.6	26.8	27.6	26.0	23.8	52	54	TT05
	6.82	274	1176	2229	**34.7**	28.9	25.7	26.7	23.9	21.7	22.4	21.0	19.3			
	9.69	193	1326	3971	**27.6**	23.0	20.4	21.2	19.0	17.2	17.8	16.7	15.3			
	13.46	139	1460	4636	**21.9**	18.3	16.2	16.9	15.1	13.7	14.1	13.3	12.2			
	16.31	114	1489	5086	**18.4**	15.4	13.7	14.2	12.7	11.5	11.9	11.2	10.2			
	20.74	90	1521	5640	**14.8**	12.4	11.0	11.4	10.2	9.3	9.6	9.0	8.2			
	26.64	70	1550	5800	**11.8**	9.8	8.7	9.1	8.1	7.4	7.6	7.1	6.6			
	30.11	62	1550	5800	**10.5**	8.7	7.7	8.0	7.2	6.5	6.7	6.3	5.8			
1:2	**4.97**	282	1130	1391	**34.3**	28.5	25.4	26.3	23.6	21.4	22.1	20.8	19.0	52	54	TT05
	6.82	205	1250	2477	**27.7**	23.1	20.5	21.3	19.1	17.3	17.9	16.8	15.4			
	9.69	145	1410	4259	**22.0**	18.4	16.3	16.9	15.2	13.8	14.2	13.4	12.2			
	13.46	104	1550	4972	**17.5**	14.6	13.0	13.4	12.1	10.9	11.3	10.6	9.7			
	16.31	86	1550	5471	**14.4**	12.0	10.7	11.1	9.9	9.0	9.3	8.7	8.0			
	20.74	67	1550	5800	**11.4**	9.5	8.4	8.7	7.8	7.1	7.3	6.9	6.3			
	26.64	53	1550	5800	**8.9**	7.4	6.6	6.8	6.1	5.5	5.7	5.4	4.9			
	30.11	46	1550	5800	**7.9**	6.5	5.8	6.0	5.4	4.9	5.1	4.8	4.4			
1:2,5	**4.97**	225	1210	1703	**29.4**	24.5	21.8	22.6	20.3	18.4	18.9	17.8	16.3	52	54	TT05
	6.82	164	1340	2878	**23.8**	19.8	17.6	18.3	16.4	14.9	15.3	14.4	13.2			
	9.69	116	1480	4700	**18.5**	15.4	13.7	14.2	12.8	11.6	11.9	11.2	10.3			
	13.46	83	1550	5534	**14.0**	11.7	10.4	10.8	9.7	8.8	9.0	8.5	7.8			
	16.31	69	1550	5800	**11.6**	9.6	8.6	8.9	8.0	7.2	7.5	7.0	6.4			
	20.74	54	1550	5800	**9.1**	7.6	6.7	7.0	6.3	5.7	5.9	5.5	5.1			
	26.64	42	1550	5800	**7.1**	5.9	5.3	5.5	4.9	4.4	4.6	4.3	3.9			
	30.11	37	1550	5800	**6.3**	5.2	4.7	4.8	4.3	3.9	4.1	3.8	3.5			
1:3	**4.97**	188	1210	1911	**26.1**	21.8	19.4	20.1	18.0	16.3	16.9	15.8	14.5	52	54	TT05
	6.82	137	1340	3146	**21.2**	17.7	15.7	16.3	14.6	13.2	13.7	12.8	11.8			
	9.69	96	1480	4994	**16.2**	13.5	12.0	12.5	11.2	10.1	10.4	9.8	9.0			
	13.46	69	1550	5800	**11.7**	9.7	8.7	9.0	8.1	7.3	7.5	7.1	6.5			
	16.31	57	1550	5800	**9.6**	8.0	7.1	7.4	6.7	6.0	6.2	5.8	5.4			
	20.74	45	1550	5800	**7.6**	6.3	5.6	5.8	5.2	4.8	4.9	4.6	4.2			
	26.64	35	1550	5800	**5.9**	4.9	4.4	4.6	4.1	3.7	3.8	3.6	3.3			
	30.11	31	1550	5800	**5.3**	4.4	3.9	4.0	3.6	3.3	3.4	3.2	2.9			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

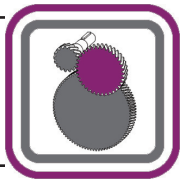
İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=2800 rpm	Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]												TT57		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**16.03**	175	2660	6258	**50.1**	41.7	37.1	38.5	34.5	31.3	32.3	30.4	27.8	102	55	TT06
	21.89	128	2930	7138	**40.4**	33.7	30.0	31.1	27.9	25.3	26.1	24.5	22.5			
	24.56	114	3000	7482	**36.9**	30.8	27.4	28.4	25.5	23.1	23.8	22.4	20.5			
	29.52	95	3000	8086	**30.8**	25.6	22.8	23.7	21.2	19.2	19.8	18.6	17.1			
1:1,5	**5.26**	355	2125	2220	**80.8**	67.3	59.9	62.2	55.7	50.5	52.1	49.0	44.9	102	55	TT06
	6.78	275	2305	3385	**68.2**	56.8	50.5	52.4	47.0	42.6	44.0	41.3	37.9			
	10.69	175	2706	6147	**50.9**	42.4	37.7	39.1	35.1	31.8	32.8	30.8	28.3			
	12.16	154	2820	6533	**46.6**	38.9	34.5	35.9	32.2	29.1	30.1	28.3	25.9			
	16.03	116	2891	7464	**36.4**	30.3	26.9	28.0	25.1	22.7	23.5	22.0	20.2			
	21.89	85	2978	8300	**27.5**	22.9	20.3	21.1	18.9	17.2	17.7	16.6	15.3			
	24.56	76	3000	8300	**24.7**	20.6	18.3	19.0	17.0	15.4	15.9	15.0	13.7			
	29.52	63	3000	8300	**20.5**	17.1	15.2	15.8	14.2	12.8	13.3	12.5	11.4			
1:2	**5.26**	266	2260	2433	**64.6**	53.8	47.8	49.7	44.5	40.4	41.7	39.1	35.9	102	55	TT06
	6.78	206	2450	3685	**54.5**	45.4	40.3	41.9	37.6	34.0	35.1	33.0	30.3			
	10.69	131	2880	6592	**40.7**	33.9	30.1	31.3	28.0	25.4	26.2	24.6	22.6			
	12.16	115	3000	7005	**37.3**	31.1	27.6	28.7	25.7	23.3	24.1	22.6	20.7			
	16.03	87	3000	8035	**28.4**	23.6	21.0	21.8	19.6	17.7	18.3	17.2	15.8			
	21.89	64	3000	8300	**20.8**	17.3	15.4	16.0	14.3	13.0	13.4	12.6	11.6			
	24.56	57	3000	8300	**18.6**	15.5	13.7	14.3	12.8	11.6	12.0	11.2	10.3			
	29.52	47	3000	8300	**15.4**	12.9	11.4	11.9	10.7	9.7	10.0	9.4	8.6			
1:2,5	**5.26**	213	2415	2765	**55.3**	46.1	40.9	42.5	38.1	34.5	35.7	33.5	30.7	102	55	TT06
	6.78	165	2625	4102	**46.7**	38.9	34.6	35.9	32.2	29.2	30.1	28.3	26.0			
	10.69	105	2940	7329	**33.2**	27.7	24.6	25.6	22.9	20.8	21.5	20.2	18.5			
	12.16	92	3000	7816	**29.9**	24.9	22.1	23.0	20.6	18.7	19.3	18.1	16.6			
	16.03	70	3000	8300	**22.7**	18.9	16.8	17.5	15.7	14.2	14.7	13.8	12.6			
	21.89	51	3000	8300	**16.7**	13.9	12.3	12.8	11.5	10.4	10.7	10.1	9.3			
	24.56	46	3000	8300	**14.9**	12.4	11.0	11.4	10.2	9.3	9.6	9.0	8.3			
	29.52	38	3000	8300	**12.4**	10.3	9.2	9.5	8.5	7.7	8.0	7.5	6.9			
1:3	**5.26**	177	2415	2986	**49.1**	40.9	36.4	37.8	33.9	30.7	31.7	29.8	27.3	102	55	TT06
	6.78	138	2625	4380	**41.6**	34.7	30.8	32.0	28.7	26.0	26.9	25.2	23.1			
	10.69	87	2940	7819	**28.3**	23.6	21.0	21.8	19.5	17.7	18.3	17.2	15.7			
	12.16	77	3000	8300	**24.9**	20.8	18.5	19.2	17.2	15.6	16.1	15.1	13.9			
	16.03	58	3000	8300	**19.0**	15.8	14.1	14.6	13.1	11.9	12.2	11.5	10.5			
	21.89	43	3000	8300	**13.9**	11.6	10.3	10.7	9.6	8.7	9.0	8.4	7.7			
	24.56	38	3000	8300	**12.4**	10.3	9.2	9.5	8.6	7.8	8.0	7.5	6.9			
	29.52	32	3000	8300	**10.3**	8.6	7.6	7.9	7.1	6.5	6.7	6.3	5.7			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT67		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**20.89**	134	4200	8476	**60.7**	50.6	45.0	46.7	41.9	38.0	39.2	36.8	33.7	142	56	TT07
	24.13	116	4300	8700	**53.9**	44.9	39.9	41.5	37.2	33.7	34.8	32.7	30.0			
	31.19	90	4300	8700	**41.7**	34.8	30.9	32.1	28.8	26.1	26.9	25.3	23.2			
1:1,5	**5.02**	372	2653	2296	**105.8**	88.2	78.4	81.4	73.0	66.1	68.3	64.1	58.8	142	56	TT07
	6.73	277	3064	3224	**91.1**	75.9	67.5	70.1	62.8	56.9	58.8	55.2	50.6			
	10.64	175	3929	7453	**74.1**	61.8	54.9	57.0	51.1	46.3	47.8	44.9	41.2			
	12.74	147	4075	8130	**64.2**	53.5	47.6	49.4	44.3	40.2	41.4	38.9	35.7			
	14.29	131	4117	8595	**57.9**	48.3	42.9	44.6	39.9	36.2	37.4	35.1	32.2			
	20.89	89	4268	8700	**41.2**	34.4	30.5	31.7	28.4	25.8	26.6	25.0	22.9			
	24.13	77	4300	8700	**36.0**	30.0	26.7	27.7	24.8	22.5	23.2	21.8	20.0			
	31.19	60	4300	8700	**27.9**	23.2	20.7	21.5	19.2	17.4	18.0	16.9	15.5			
1:2	**5.02**	279	2820	2627	**84.5**	70.4	62.6	65.0	58.3	52.8	54.5	51.2	46.9	142	56	TT07
	6.73	208	3260	3616	**72.8**	60.7	54.0	56.0	50.2	45.5	47.0	44.1	40.5			
	10.64	132	4180	7992	**59.3**	49.4	43.9	45.6	40.9	37.0	38.2	35.9	32.9			
	12.74	110	4300	8700	**51.0**	42.5	37.7	39.2	35.1	31.8	32.9	30.9	28.3			
	14.29	98	4300	8700	**45.5**	37.9	33.7	35.0	31.4	28.4	29.3	27.6	25.3			
	20.89	67	4300	8700	**31.2**	26.0	23.1	24.0	21.5	19.5	20.1	18.9	17.3			
	24.13	58	4300	8700	**27.1**	22.6	20.1	20.8	18.7	16.9	17.5	16.4	15.0			
	31.19	45	4300	8700	**21.0**	17.5	15.5	16.1	14.5	13.1	13.5	12.7	11.6			
1:2,5	**5.02**	223	3020	2967	**72.5**	60.4	53.7	55.7	50.0	45.3	46.8	43.9	40.3	142	56	TT07
	6.73	166	3485	4322	**62.4**	52.0	46.2	48.0	43.0	39.0	40.2	37.8	34.6			
	10.64	105	4240	8700	**48.1**	40.1	35.7	37.0	33.2	30.1	31.1	29.2	26.7			
	12.74	88	4300	8700	**40.8**	34.0	30.2	31.4	28.1	25.5	26.3	24.7	22.7			
	14.29	78	4300	8700	**36.4**	30.3	27.0	28.0	25.1	22.8	23.5	22.1	20.2			
	20.89	54	4300	8700	**25.0**	20.8	18.5	19.2	17.2	15.6	16.1	15.2	13.9			
	24.13	46	4300	8700	**21.7**	18.1	16.1	16.7	15.0	13.6	14.0	13.1	12.0			
	31.19	36	4300	8700	**16.8**	14.0	12.4	12.9	11.6	10.5	10.8	10.2	9.3			
1:3	**5.02**	186	3020	3194	**64.5**	53.8	47.8	49.6	44.5	40.3	41.6	39.1	35.8	142	56	TT07
	6.73	139	3485	4793	**55.4**	46.2	41.1	42.6	38.2	34.6	35.8	33.6	30.8			
	10.64	88	4240	8700	**40.8**	34.0	30.2	31.4	28.1	25.5	26.3	24.7	22.6			
	12.74	73	4300	8700	**34.1**	28.4	25.2	26.2	23.5	21.3	22.0	20.6	18.9			
	14.29	65	4300	8700	**30.4**	25.3	22.5	23.4	21.0	19.0	19.6	18.4	16.9			
	20.89	45	4300	8700	**20.9**	17.4	15.5	16.1	14.4	13.0	13.5	12.7	11.6			
	24.13	39	4300	8700	**18.1**	15.1	13.4	13.9	12.5	11.3	11.7	11.0	10.1			
	31.19	30	4300	8700	**14.0**	11.7	10.4	10.8	9.7	8.8	9.0	8.5	7.8			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

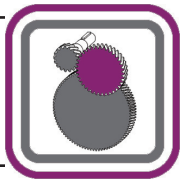
Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=2800 rpm	Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]												TT77		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**20.57**	136	7570	12361	**111.0**	92.5	82.2	85.4	76.6	69.4	71.6	67.3	61.7	232	57	TT08
	23.63	118	7900	13067	**101.0**	84.2	74.8	77.7	69.7	63.1	65.2	61.2	56.1			
	29.99	93	8000	13350	**80.6**	67.2	59.7	62.0	55.6	50.4	52.0	48.9	44.8			
1:1,5	**6.97**	268	5667	3666	**162.6**	135.5	120.4	125.1	112.1	101.6	104.9	98.5	90.3	232	57	TT08
	10.62	176	7117	10535	**134.4**	112.0	99.5	103.4	92.7	84.0	86.7	81.4	74.7			
	12.87	145	7534	11821	**117.5**	97.9	87.0	90.3	81.0	73.4	75.8	71.2	65.3			
	14.33	130	7605	12579	**106.5**	88.8	78.9	82.0	73.5	66.6	68.7	64.6	59.2			
	20.57	91	7862	13350	**77.0**	64.2	57.1	59.2	53.1	48.1	49.7	46.7	42.8			
	23.63	79	7968	13350	**68.1**	56.7	50.4	52.4	46.9	42.5	43.9	41.3	37.8			
	29.99	62	8000	13350	**53.9**	44.9	39.9	41.4	37.2	33.7	34.8	32.7	29.9			
1:2	**5.06**	277	5110	2590	**151.6**	126.4	112.3	116.6	104.6	94.8	97.8	91.9	84.2	232	57	TT08
	6.97	201	6030	4198	**130.0**	108.3	96.3	100.0	89.7	81.2	83.9	78.8	72.2			
	10.62	132	7570	11615	**107.4**	89.5	79.6	82.6	74.1	67.1	69.3	65.1	59.7			
	12.87	109	8000	12790	**93.7**	78.1	69.4	72.1	64.6	58.6	60.5	56.8	52.1			
	14.33	98	8000	13350	**84.2**	70.2	62.4	64.8	58.1	52.7	54.4	51.1	46.8			
	20.57	68	8000	13350	**58.9**	49.1	43.6	45.3	40.6	36.8	38.0	35.7	32.7			
	23.63	59	8000	13350	**51.4**	42.8	38.1	39.5	35.4	32.1	33.1	31.1	28.5			
	29.99	47	8000	13350	**40.5**	33.7	30.0	31.2	27.9	25.3	26.1	24.5	22.5			
1:2,5	**5.06**	221	5470	2994	**130.0**	108.3	96.3	100.0	89.6	81.2	83.8	78.8	72.2	232	57	TT08
	6.97	161	6390	4997	**110.3**	91.9	81.7	84.9	76.1	68.9	71.2	66.9	61.3			
	10.62	105	7785	12923	**88.5**	73.7	65.5	68.1	61.0	55.3	57.1	53.6	49.1			
	12.87	87	8000	13350	**75.1**	62.6	55.6	57.7	51.8	46.9	48.4	45.5	41.7			
	14.33	78	8000	13350	**67.5**	56.2	50.0	51.9	46.5	42.2	43.5	40.9	37.5			
	20.57	54	8000	13350	**47.2**	39.3	34.9	36.3	32.5	29.5	30.4	28.6	26.2			
	23.63	47	8000	13350	**41.1**	34.3	30.5	31.6	28.4	25.7	26.5	24.9	22.9			
	29.99	37	8000	13350	**32.4**	27.0	24.0	24.9	22.4	20.3	20.9	19.7	18.0			
1:3	**5.06**	184	5470	3264	**115.6**	96.4	85.7	89.0	79.8	72.3	74.6	70.1	64.2	232	57	TT08
	6.97	134	6390	5530	**97.3**	81.1	72.1	74.8	67.1	60.8	62.8	59.0	54.1			
	10.62	88	7785	13350	**75.9**	63.3	56.2	58.4	52.3	47.4	49.0	46.0	42.2			
	12.87	73	8000	13350	**62.7**	52.2	46.4	48.2	43.2	39.2	40.4	38.0	34.8			
	14.33	65	8000	13350	**56.3**	46.9	41.7	43.3	38.9	35.2	36.3	34.1	31.3			
	20.57	45	8000	13350	**39.4**	32.8	29.2	30.3	27.2	24.6	25.4	23.9	21.9			
	23.63	39	8000	13350	**34.4**	28.6	25.4	26.4	23.7	21.5	22.2	20.8	19.1			
	29.99	31	8000	13350	**27.1**	22.6	20.1	20.8	18.7	16.9	17.5	16.4	15.0			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht

n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT87		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std./Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**30.29**	92	13000	18366	**129.7**	108.1	96.1	99.8	89.4	81.1	83.7	78.6	72.0	375	58	TT09
1:1,5	**7.16**	261	8724	3323	**243.6**	203.0	180.5	187.4	168.0	152.3	157.2	147.7	135.4	375	58	TT09
	15.98	117	12306	16630	**154.7**	128.9	114.6	119.0	106.7	96.7	99.8	93.7	85.9			
	20.88	89	12605	18877	**121.4**	101.2	89.9	93.4	83.7	75.9	78.3	73.6	67.4			
	23.42	80	12736	19828	**109.5**	91.2	81.1	84.2	75.5	68.4	70.6	66.4	60.8			
	30.29	62	13000	21700	**86.7**	72.2	64.2	66.7	59.8	54.2	55.9	52.5	48.1			
1:2	**5.07**	276	7770	1138	**229.6**	191.4	170.1	176.6	158.4	143.5	148.2	139.2	127.6	375	58	TT09
	7.16	196	9280	3941	**194.7**	162.3	144.3	149.8	134.3	121.7	125.6	118.0	108.2			
	9.98	140	11390	13346	**171.7**	143.0	127.1	132.0	118.4	107.3	110.7	104.0	95.4			
	12.50	112	12340	16030	**148.7**	123.9	110.2	114.4	102.6	92.9	95.9	90.1	82.6			
	15.98	88	13000	17928	**122.8**	102.3	91.0	94.5	84.7	76.8	79.2	74.4	68.2			
	20.88	67	13000	20325	**94.1**	78.4	69.7	72.4	64.9	58.8	60.7	57.0	52.3			
	23.42	60	13000	21368	**84.0**	70.0	62.2	64.6	57.9	52.5	54.2	50.9	46.7			
	30.29	46	13000	21700	**65.1**	54.3	48.2	50.1	44.9	40.7	42.0	39.5	36.2			
1:2,5	**5.07**	221	7770	3564	**183.9**	153.2	136.2	141.4	126.8	114.9	118.6	111.4	102.1	375	58	TT09
	7.16	156	9930	4549	**166.9**	139.1	123.6	128.4	115.1	104.3	107.7	101.1	92.7			
	9.98	112	12185	15201	**147.0**	122.5	108.9	113.1	101.4	91.9	94.9	89.1	81.7			
	12.50	90	12670	17732	**122.3**	101.9	90.6	94.1	84.3	76.4	78.9	74.1	67.9			
	15.98	70	13000	19944	**98.3**	82.0	72.8	75.6	67.8	61.5	63.4	59.6	54.6			
	20.88	54	13000	21700	**75.4**	62.8	55.8	58.0	52.0	47.1	48.6	45.7	41.9			
	23.42	48	13000	21700	**67.3**	56.1	49.8	51.7	46.4	42.0	43.4	40.8	37.4			
	30.29	37	13000	21700	**52.2**	43.5	38.6	40.1	36.0	32.6	33.7	31.6	29.0			
1:3	**5.07**	184	7770	5181	**153.5**	127.9	113.7	118.1	105.9	95.9	99.0	93.0	85.3	375	58	TT09
	7.16	130	9930	4953	**148.4**	123.7	110.0	114.2	102.4	92.8	95.8	90.0	82.5			
	9.98	94	12185	16438	**130.8**	109.0	96.9	100.6	90.2	81.7	84.4	79.3	72.6			
	12.50	75	12670	18867	**104.7**	87.3	77.6	80.6	72.2	65.5	67.6	63.5	58.2			
	15.98	58	13000	21289	**82.1**	68.4	60.8	63.2	56.6	51.3	53.0	49.8	45.6			
	20.88	45	13000	21700	**62.9**	52.4	46.6	48.4	43.4	39.3	40.6	38.1	35.0			
	23.42	40	13000	21700	**56.2**	46.8	41.6	43.2	38.7	35.1	36.2	34.0	31.2			
	30.29	31	13000	21700	**43.6**	36.3	32.3	33.5	30.0	27.2	28.1	26.4	24.2			

Kasnak Oranı
Pulley Ratio
Übersetzung

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

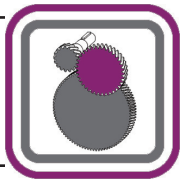
İzin verilen giriş radyal yükü (N)
Permitted input overhung loads(N)
Zul. Eingangsquerkräfte (N)

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

TT Serisi Güç Devir Sayfaları
TT Series Performance Tables
TT Serien Leistung und Drehzahlübersicht



n1=2800 rpm					Müsaade Edilen En Yüksek Nominal Motor Güçleri [kW] *Permissible Highest Nominal Motor Powers [kW]* Erlaubte Höhchste Nominale Motorleistungen [kW]									TT97		
					Darbesiz Çalışma Saati/Gün *Uniform Loads Hours/Day* Gleichförmige Belastung Std./Tag			Orta Darbeli Çalışma Saati/Gün *Moderate Loads Hours/Day* Ungleichförm. Belastung Std./Tag			Ağır Darbeli Çalışma Saati/Gün *Heavy Loads Hours/Day* Stark Ungleichförmige Std:/Tag					Fiyat kodu *Price Code* Preis No
i	i	n2[rpm]	Ma[Nm]	Fqgv[N]	8h (fs=1,00)	16h (fs=1,20)	24h (fs=1,35)	8h (fs=1,30)	16h (fs=1,45)	24h (fs=1,60)	8h (fs=1,55)	16h (fs=1,65)	24h (fs=1,80)	kg		
1:1	**31.36**	89	18000	23063	**173.5**	144.6	128.5	133.4	119.6	108.4	111.9	105.1	96.4	505	59	TT10
1:1,5	**15.23**	123	17646	19278	**232.5**	193.8	172.2	178.9	160.4	145.3	150.0	140.9	129.2	505	59	TT10
	19.70	95	18000	22158	**183.6**	153.0	136.0	141.2	126.6	114.7	118.4	111.3	102.0			
	24.42	76	18000	24952	**148.4**	123.7	109.9	114.2	102.4	92.8	95.8	90.0	82.5			
	31.36	60	18000	27738	**115.9**	96.6	85.9	89.2	79.9	72.4	74.8	70.2	64.4			
1:2	**6.34**	221	13940	-	**329.8**	274.8	244.3	253.7	227.4	206.1	212.8	199.9	183.2	505	59	TT10
	7.05	199	15510	-	**329.9**	274.9	244.4	253.8	227.5	206.2	212.8	199.9	183.3			
	12.22	115	18000	17597	**221.7**	184.7	164.2	170.5	152.9	138.5	143.0	134.3	123.2			
	13.61	103	18000	19273	**199.3**	166.1	147.6	153.3	137.5	124.6	128.6	120.8	110.7			
	15.23	92	18000	21871	**178.2**	148.5	132.0	137.1	122.9	111.4	115.0	108.0	99.0			
	19.70	71	18000	24532	**138.0**	115.0	102.2	106.1	95.2	86.2	89.0	83.6	76.7			
	24.42	57	18000	26989	**111.6**	93.0	82.6	85.8	76.9	69.7	72.0	67.6	62.0			
	31.36	45	18000	29952	**87.1**	72.6	64.5	67.0	60.1	54.5	56.2	52.8	48.4			
1:2,5	**6.34**	177	13940	2631	**264.0**	220.0	195.6	203.1	182.1	165.0	170.4	160.0	146.7	505	59	TT10
	7.05	159	15510	1746	**264.1**	220.1	195.7	203.2	182.2	165.1	170.4	160.1	146.7			
	12.22	92	18000	20907	**177.5**	147.9	131.5	136.5	122.4	110.9	114.5	107.6	98.6			
	13.61	82	18000	22373	**159.6**	133.0	118.2	122.8	110.1	99.8	103.0	96.7	88.7			
	15.23	74	18000	24253	**142.7**	118.9	105.7	109.8	98.4	89.2	92.1	86.5	79.3			
	19.70	57	18000	27254	**110.5**	92.1	81.8	85.0	76.2	69.1	71.3	67.0	61.4			
	24.42	46	18000	29914	**89.3**	74.5	66.2	68.7	61.6	55.8	57.6	54.1	49.6			
	31.36	36	18000	32500	**69.8**	58.1	51.7	53.7	48.1	43.6	45.0	42.3	38.8			
1:3	**6.34**	147	13940	4385	**220.4**	183.7	163.3	169.6	152.0	137.8	142.2	133.6	122.5	505	59	TT10
	7.05	132	15510	2910	**220.5**	183.8	163.3	169.6	152.1	137.8	142.3	133.6	122.5			
	12.22	76	18000	23114	**148.2**	123.5	109.8	114.0	102.2	92.6	95.6	89.8	82.3			
	13.61	69	18000	24440	**133.3**	111.0	98.7	102.5	91.9	83.3	86.0	80.8	74.0			
	15.23	61	18000	25841	**119.2**	99.3	88.3	91.7	82.2	74.5	76.9	72.2	66.2			
	19.70	47	18000	29068	**92.3**	76.9	68.3	71.0	63.6	57.7	59.5	55.9	51.3			
	24.42	38	18000	31864	**74.6**	62.2	55.3	57.4	51.4	46.6	48.1	45.2	41.4			
	31.36	30	18000	32500	**58.3**	48.5	43.2	44.8	40.2	36.4	37.6	35.3	32.4			

Kasnak Oranı
Pulley Ratio
Übersetzung

Redüktör Çevrim Oranı (i)
Gear Unit Ratio (i)
Übersetzung (i)

Çıkış Devri (d/dak)
Output Speed (rpm)
Abtriebswelle Drehzahlen (upm)

Anma Momenti (Nm)
Nominal Torque (Nm)
Nenndrehmomente (Nm)

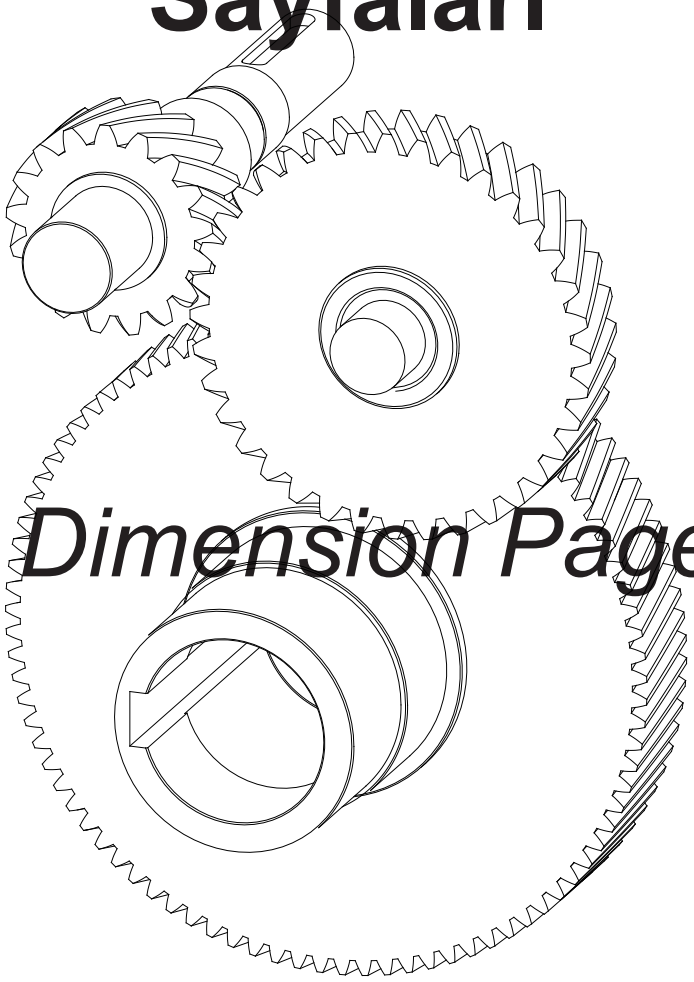
Redüktör Ağırlığı (kg)
Gear Unit weight (kg)
Geetriebegewicht (kg)

Ölçü Sayfası
Gear Unit weight
Geetriebegewicht

İzin verilen giriş radyal yükü (N)
Permitted input overhung loads (N)
Zul. Eingangsquerkräfte (N)

Notlar / *Notes* / Noten

Ölçü Sayfaları

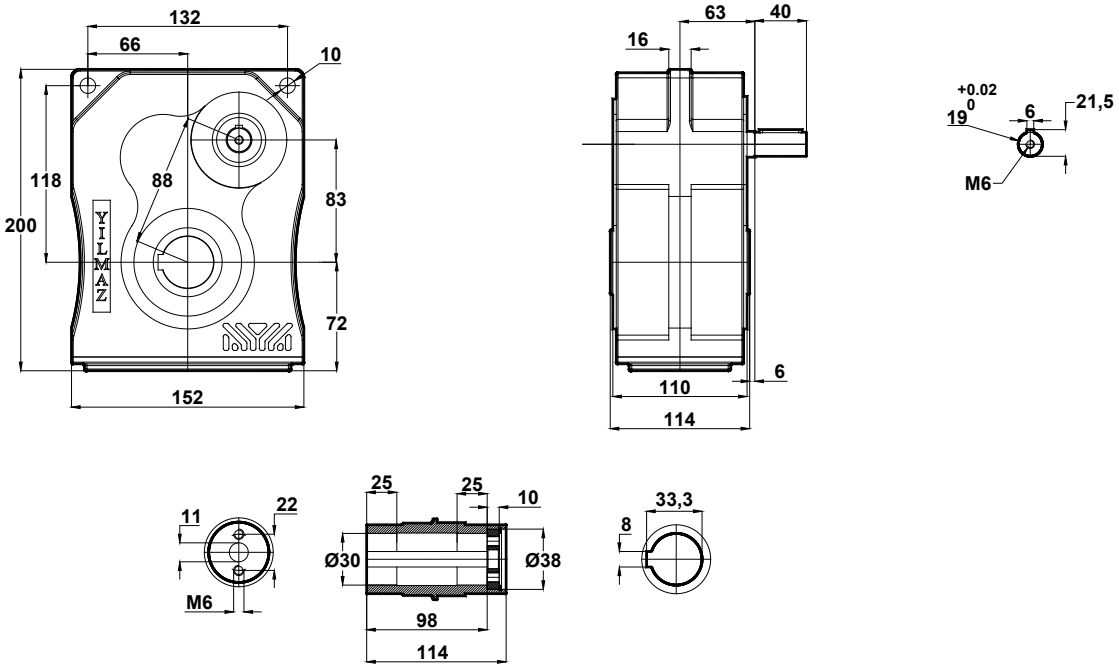


Dimension Pages

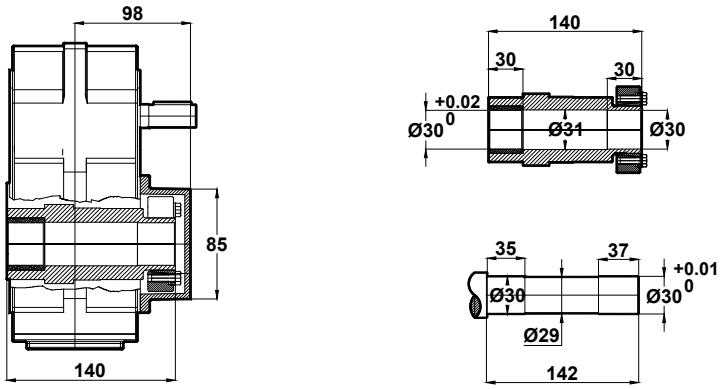
Abmessungsseiten

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

TT17.00



TT17.0S

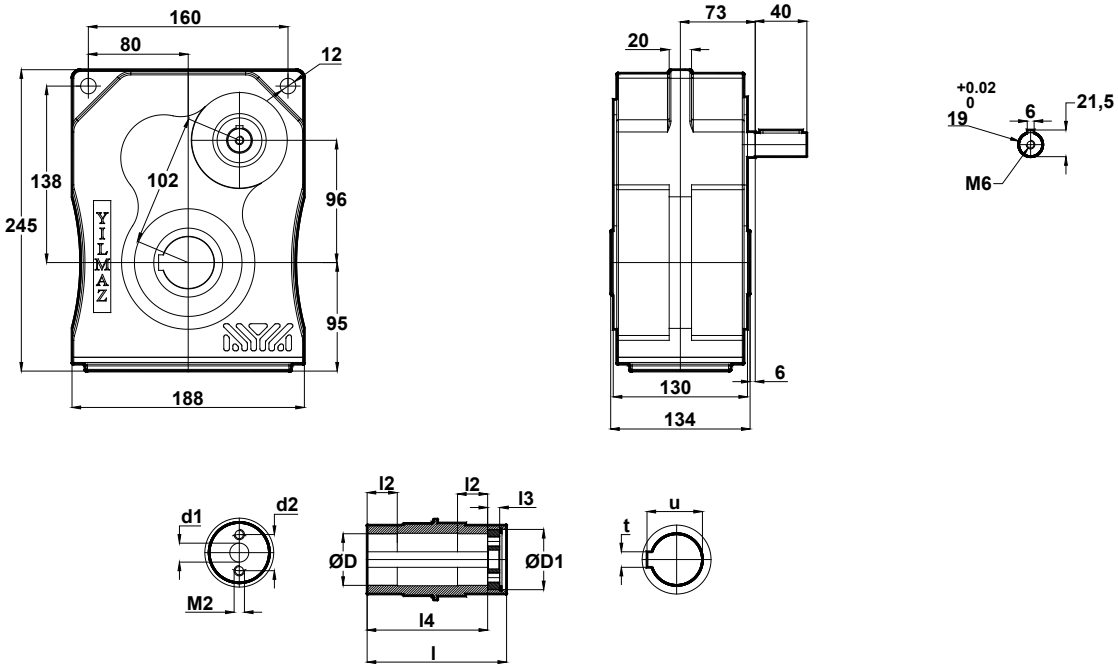


M	z	Ta[Nm]
M8	5	30

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightining Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

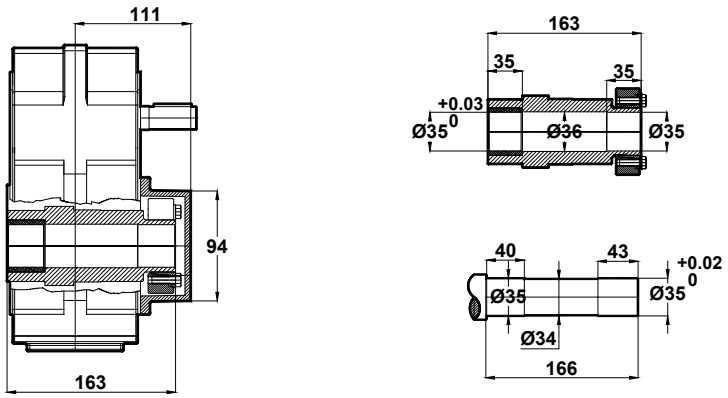
TT27.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
35	48	10	38,3	134	30	12	114	17	26	M6
40*		12	43,3							

***Opsiyon** / *Optional* /Sonderausführung

TT27.0S

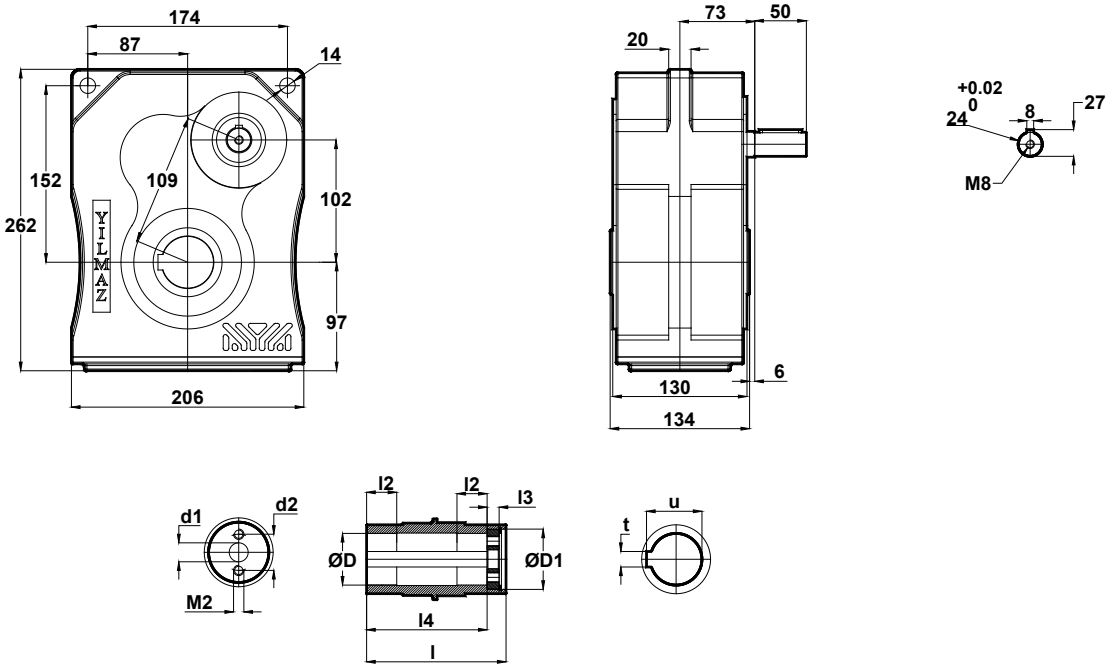


M	z	Ta[Nm]
M8	5	30

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightening Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

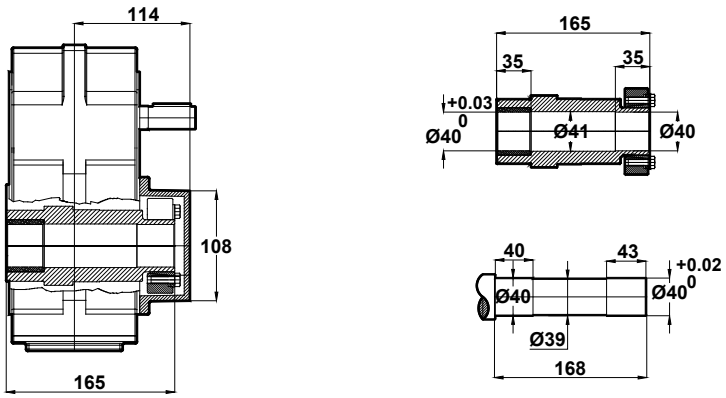
TT28.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
40	60	12	43,3	134	35	12	114	17	28	M8
50*		14	53,8							

***Opsiyon** / *Optional* /Sonderausführung

TT28.0S

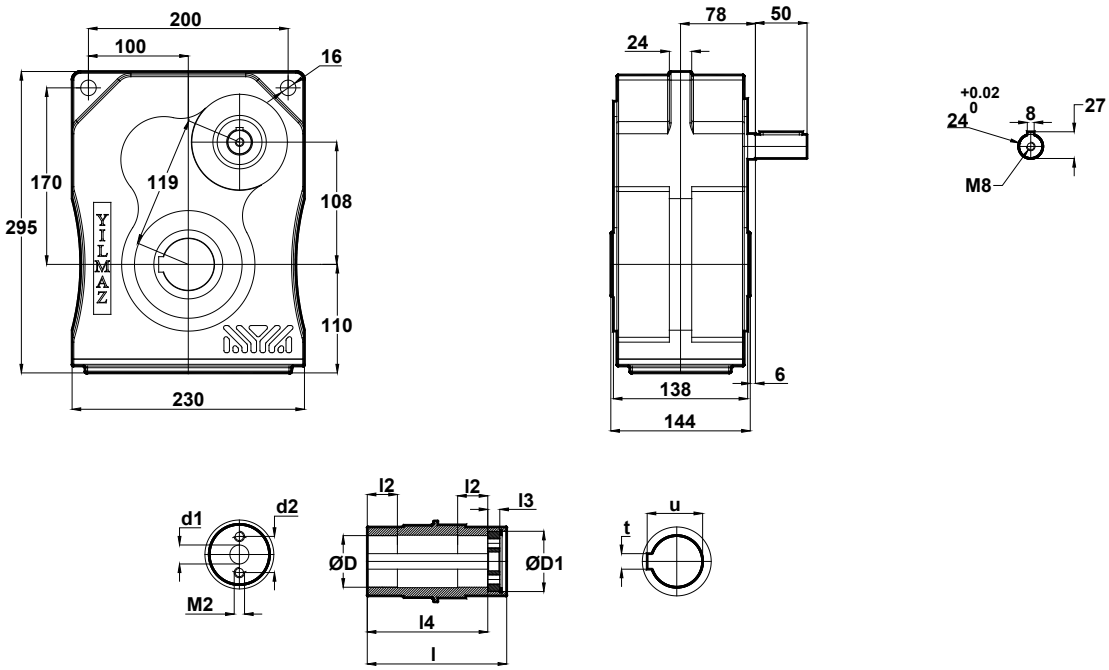


M	z	Ta[Nm]
M8	8	30

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightining Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

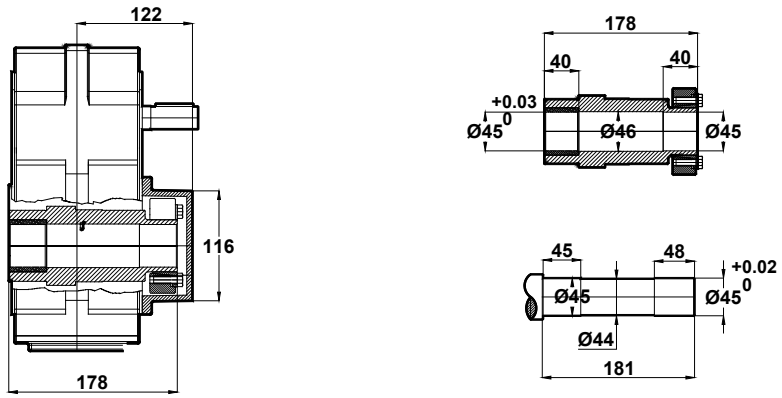
TT37.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
45	65	14	48,8	144	35	12	124	22	34	M8
55*		16	59,3							

***Opsiyon** / *Optional* /Sonderausführung

TT37.0S

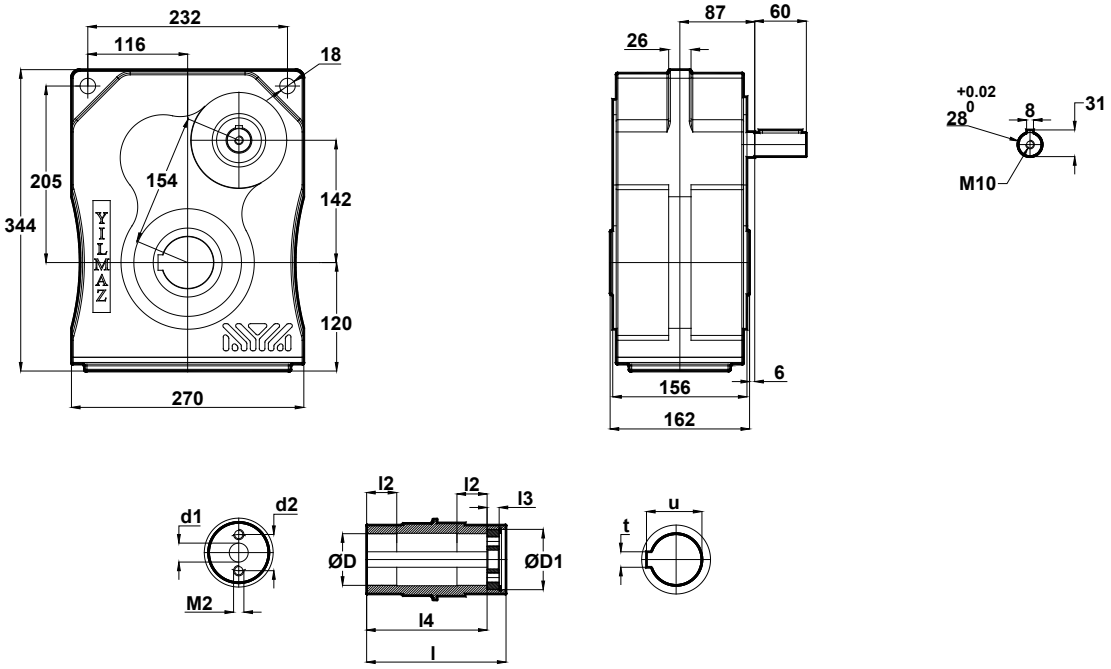


M	z	Ta[Nm]
M8	8	30

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightening Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

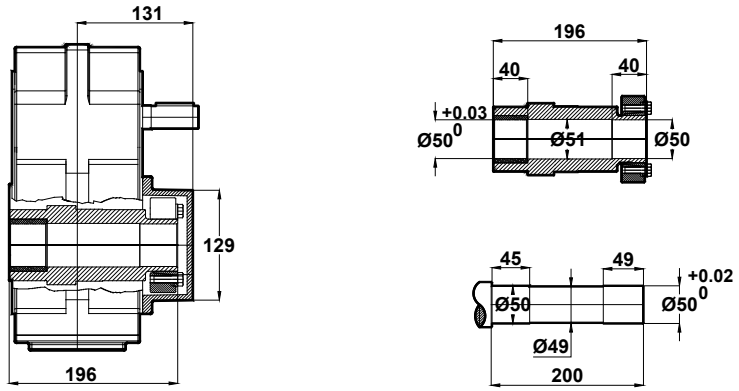
TT47.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
50	70	14	53,8	162	40	14	140	22	36	M8
60*		18	64,4							

***Opsiyon** / *Optional* /Sonderausführung

TT47.0S

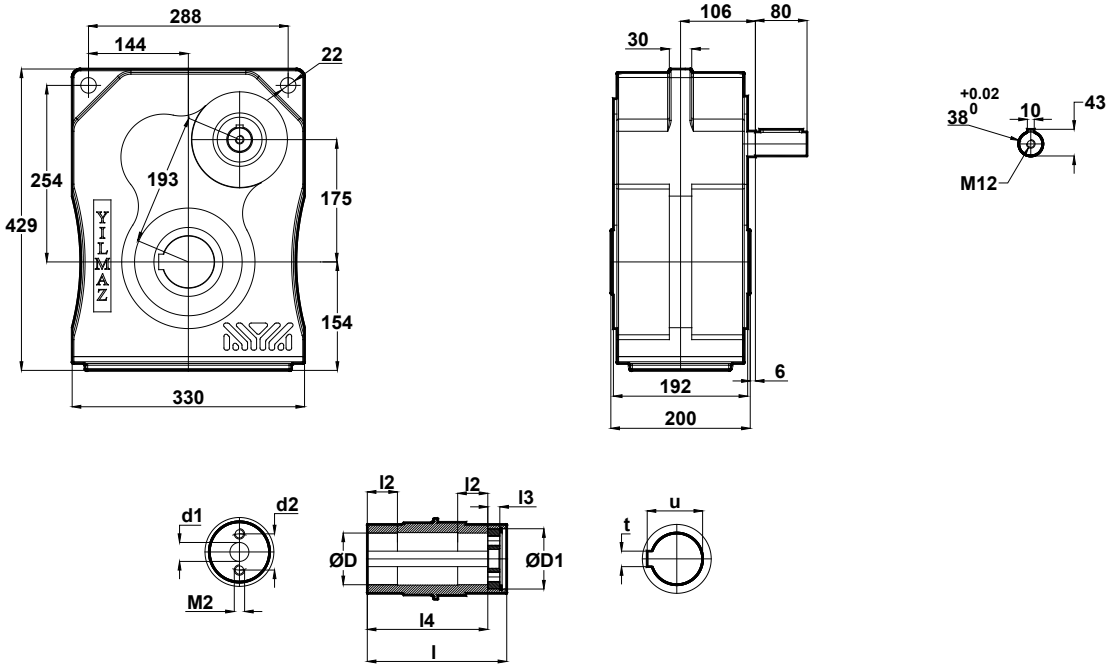


M	z	Ta[Nm]
M8	9	30

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightining Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

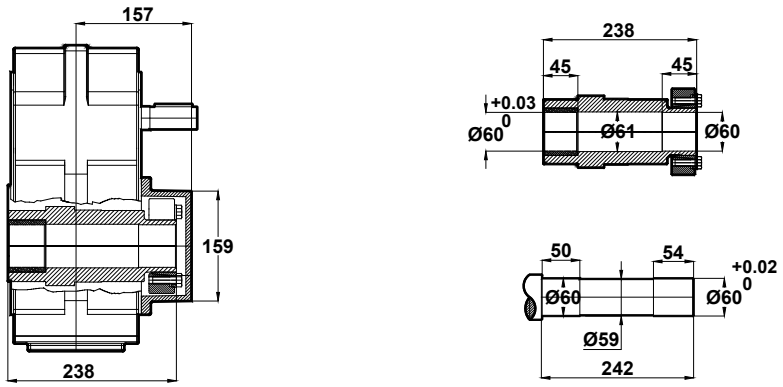
TT57.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
60	85	18	64,4	200	45	16	175	22	42	M12
70*		20	74,9							

***Opsiyon** / *Optional* /Sonderausführung

TT57.0S

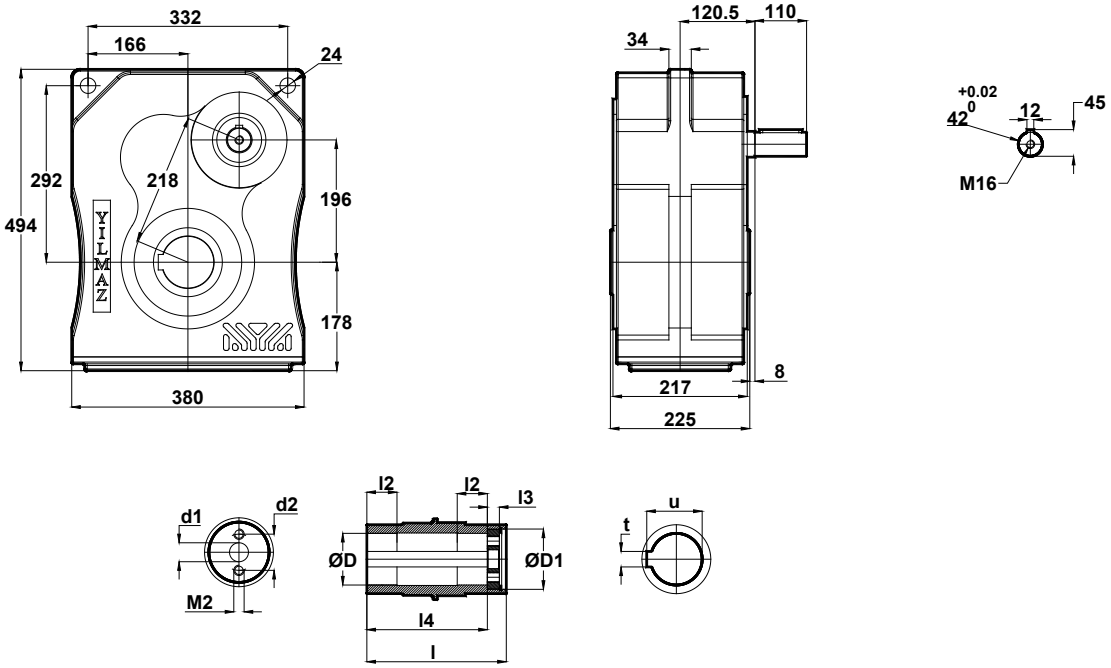


M	z	Ta[Nm]
M10	10	59

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightening Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

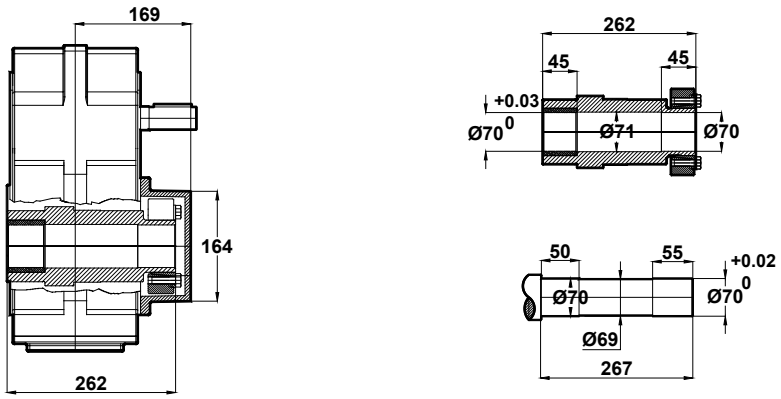
TT67.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
70	95	20	74,9	225	50	18	193	22	48	M16
85*		22	90,4							

***Opsiyon** / *Optional* /Sonderausführung

TT67.0S

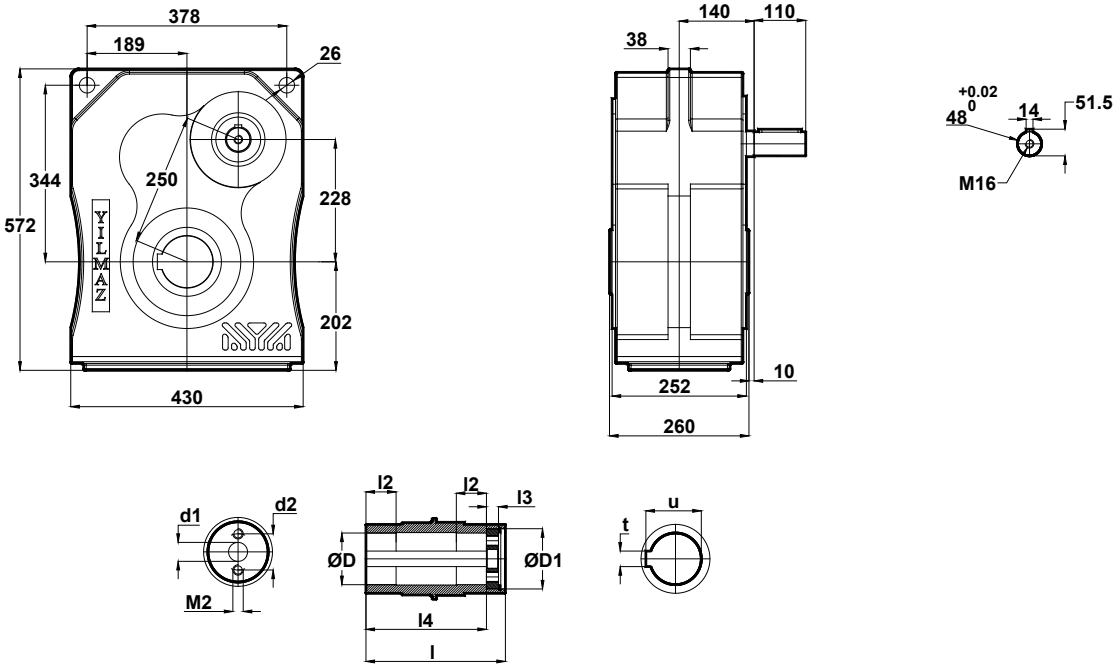


M	z	Ta[Nm]
M10	10	59

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightining Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

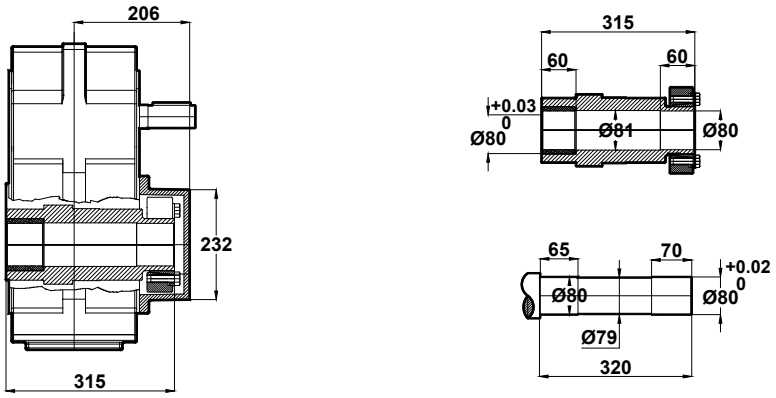
TT77.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
80	115	22	85,4	260	55	20	227	26	54	M20
100*		28	106,4							

***Opsiyon** / *Optional* /Sonderausführung

TT77.0S

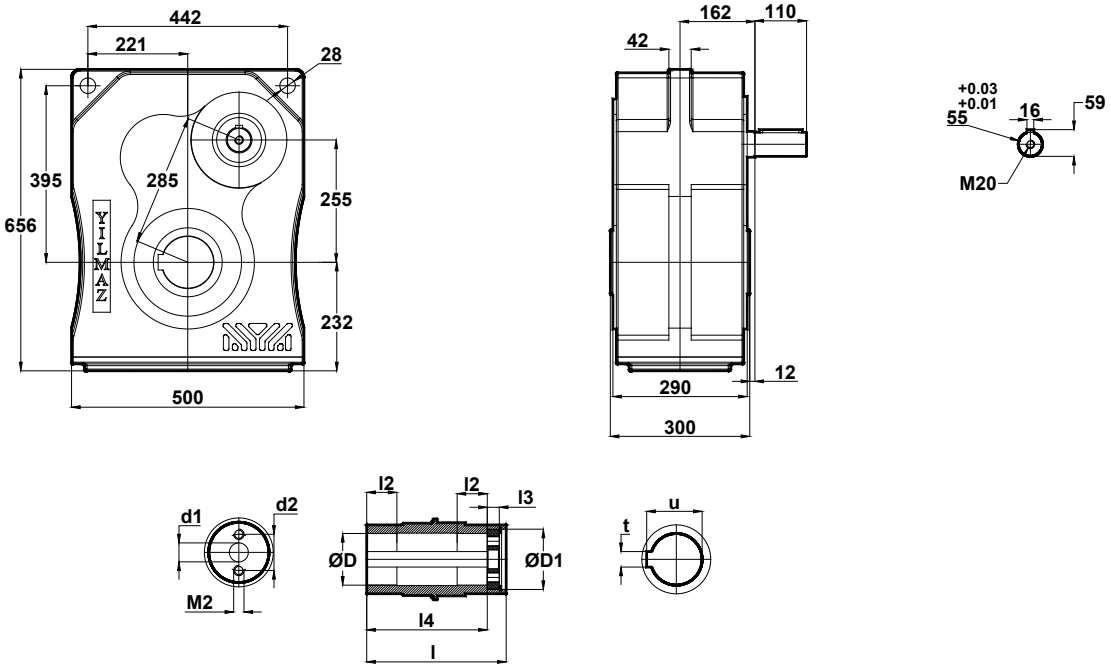


M	z	Ta[Nm]
M12	12	100

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightening Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

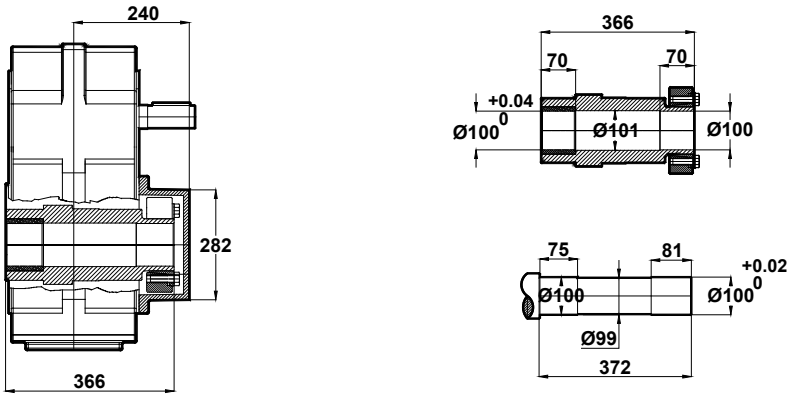
TT87.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
100	145	28	106,4	300	60	20	268	26	70	M20
120*		32	127,4							

***Opsiyon** / *Optional* /Sonderausführung

TT87.0S

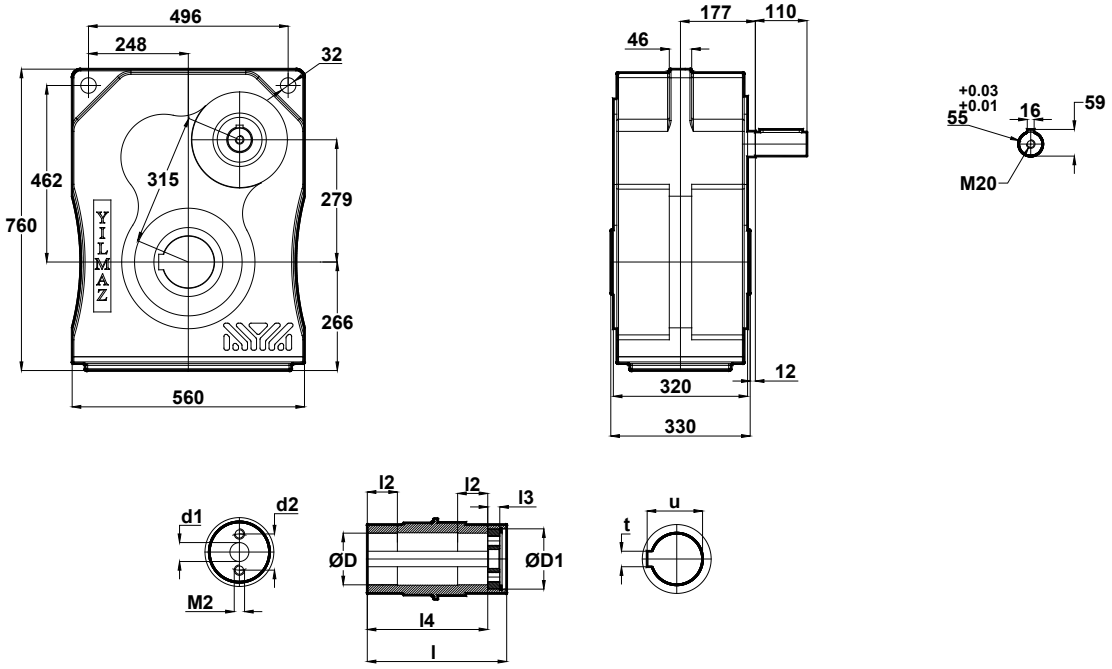


M	z	Ta[Nm]
M14	9	160

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightining Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole according to DIN 332, sheet 2* / Zentrierung mit Gewinde nach DIN 332, Blatt 2

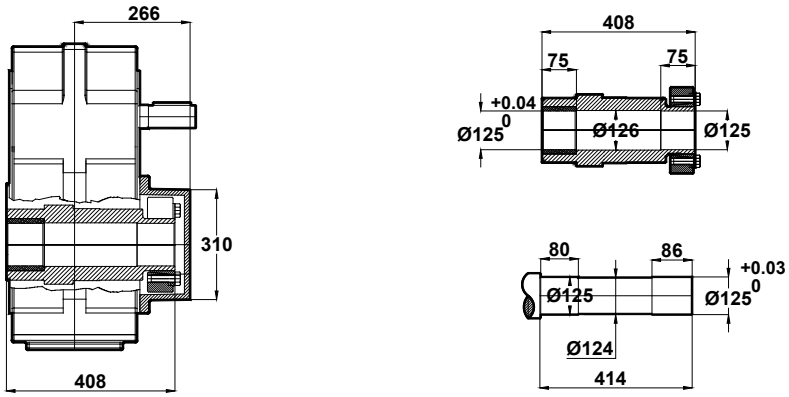
TT97.00



D_{G7}	D1	t	u	l	l2	l3	l4	d1	d2	M2
125	150	32	132,4	330	65	20	293	33	90	M24
135*		36	143,4							

***Opsiyon** / *Optional* /Sonderausführung

TT97.0S



M	z	Ta[Nm]
M14	10	160

M : Civata Ölçüsü / *Bolt Size* / Schrauben Größe
z : Civata Sayısı / *Number of Bolt* / Schrauben zahl
Ta : Sıkma Momenti / *Tightening Torque* /Anziehmoment
(DIN EN ISO 4017-10.9 / μ =0,10)

Notlar / *Notes* / Noten

Notlar / *Notes* / Noten

Notlar / *Notes* / Noten

Notlar / *Notes* / Noten

Notlar / *Notes* / Noten