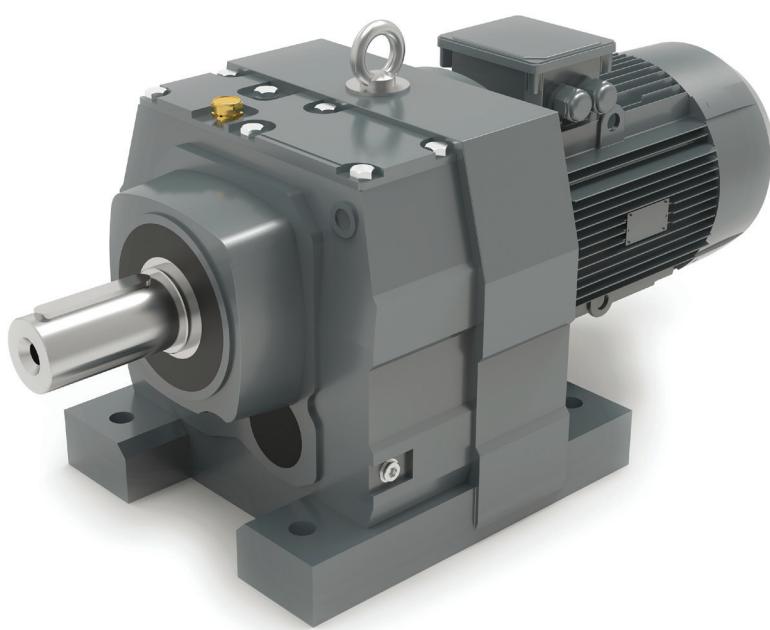


DA/DF

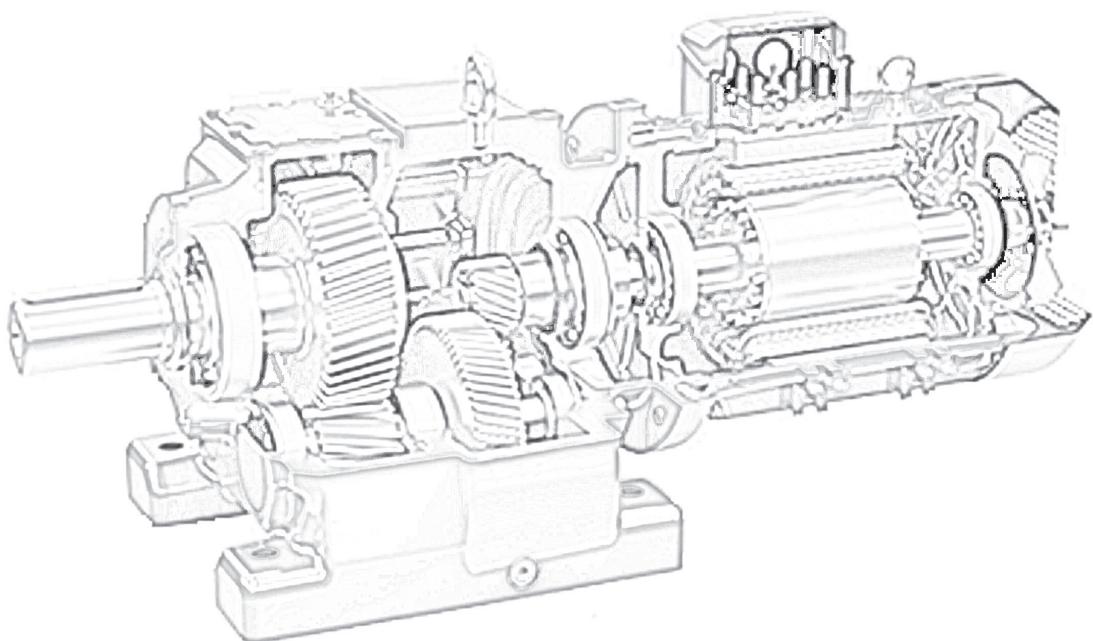
**HELİSEL DİŞLİ REDÜKTÖRLER
HELICAL GEARED MOTORS**



 **dinamik**
motor redüktör



TEKNİK KATALOG
TECHNICAL CATALOGUE

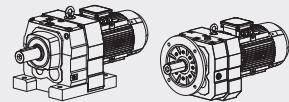


(TR) (EN)

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TR SERVİS FAKTÖRÜ

Servis faktörü (f_B), redüktörün maruz kaldığı çalışma koşullarına göre değişkenlik gösterir. En etkin servis faktörünü seçmek için göz alınması gereken parametreler aşağıdaki hususlara bağlıdır :

- Çalışan makinalardaki yükün tipi **U-M-H**
- Günlük çalışma süresi : **saat / gün**
- Start-Stop Sıklığı: **adet / saat**

Yük Tipi

U - Uniform Yükler	$mfa \leq 0.3$
M - Orta Seviyeli Şoklar	$mfa \leq 3$
H - Ağır Şoklar	$mfa \leq 10$

$$mfa = \frac{Je}{Jm}$$

Formülde ;

mfa : mfa atalet faktörü

Je : Tahrif milindeki indirgenmiş harici atalet 2 momenti (kgm)

Jm : Motor atalet momenti 2 (kgm)

Eğer mfa değeri > 10 ise durumu teknik servisimize bildiriniz.

U - Hafif malzemeler için vida besleme aparatları, fanlar, montaj hatları hafif malzemeler naklinde kullanılan kemerler, küçük mikserler, lifler, temizleme makinaları, dolgu makinaları, kontrol makinaları.

M - Helezonlar, ağaç işleme makinaları, besleme aparatları, malzeme lift makinaları, balans makinaları, pafta makinaları, orta boy mikserler, ağır malzeme naklinde kullanılan kemerler, vinçler, raylı kapılar, suni gübre spalutası, paketleme makinaları, beton mikserleri, vinç mekanizmaları, freze makinaları, bükme-kırılma makinaları, dişli pompalar.

H - Ağır malzemeler için mikserler, kırma makası, presler, santrifüj makinaları, ayna destek apartları, ağır malzemeler için lift ve vinçler, taşlama tezgahları, bileme taşları, pistonlu asansörler, matkap tezgahları, çekici milleri, mil dirsek presleri, bükme- kırmış makinaları, döner levhalar, silindir variller, vibratörler, kağıt öğütücüleri

EN SERVICE FACTOR

The service factor (f_B), depends on the operating conditions to which the reduction unit is subjected correctly. The parameters that need to be taken into consideration to select the most adequate service factor comprise:

- Type of load of the operated machine: **U-M-H**
- Length of daily operating time : **hours / day**
- Start-up frequency : **starts / hours**

Type Of Load

U - Uniform	$mfa \leq 0.3$
M - Moderate Shocks	$mfa \leq 3$
H - Heavy Shocks	$mfa \leq 10$

$$mfa = \frac{Je}{Jm}$$

Where ;

mfa : mfa factor of inertia

Je : moment of reduced external inertia at the driveshaft (kgm)

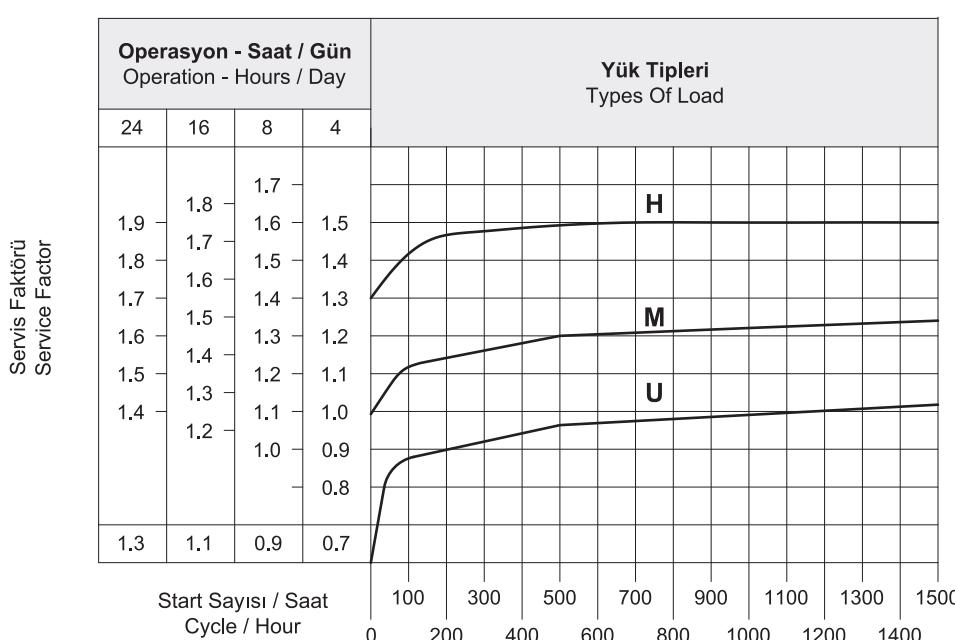
Jm : moment of inertia of motor 2 (kgm)

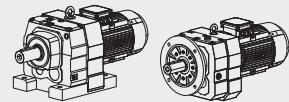
If mfa > 10 call our technical service.

U - Screw feeders for light materials, fans assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.

M - Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilizer scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.

H - Mixer for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.





TR TERMAL GÜC

Tabloda referans verilen koşullara göre termal güç kW olarak belirtilmiştir.

- Montaj pozisyonu M1
- Sürekli çalışma ≤ 1500 rpm
- Çevre sıcaklığı 25°C
- Deniz seviyesinin üzerindeki yükseklik
- Redüktör üzerindeki rüzgar hızı $\geq 1\text{m/s}$
- Radyal ve/veya eksenel kuvvet olmadan

Tip / Type	DA00..	DA10..-17..	DA20..	DA27..-28..	DA37..	DA47..	DA57..	DA67..	DA77..
P _t (kw)	-	5	7	9	15,5	24	30	36	49

Redüktöre uygulanan Pt değerlerin üzerine çıkmaz ise yeterli yağlama ile redüktörün düzenli çalışması garanti edilir.

Kullanımın Kontrolü

Sürekli çalışma dışında, yani 2 saat altında çalışma durumunda ve ardından gelen dirlendirme, böylece redüktör çevre sıcaklığı ile soğuması, her bir uygulama için redüktörün termal sınırını aşağıdaki formül ile kontrol edilir.

EN THERMAL POWER

The table below lists the nominal thermal power values expressed in kW, at the following reference conditions:

- Mounting position M1
- Continuous operation at input speed ≤ 1500 rpm
- Ambient temperature 25°C
- Sea level altitude
- Air speed near the gear reducer $\geq 1\text{m/s}$
- Absence of external radial and/or axial loads

Applying a power level not exceeding Pt at the above mentioned reference conditions guarantees the correct lubrication and efficient operation of the gear reducer.

Application Check

Except for continuous operating times below two (2) hours and successive pauses capable of bringing the gear reducer back to ambient temperature, for each application it is advisable to verify the gear reducer's thermal limit according to the following formula:

$$P_1 < P_t \cdot F_C \cdot F_V \cdot F_a$$

P₁ : Redüktörün giriş gücü 1400 d/d (4 kutuplu)

P_t : Referans verilen termal güç (yukarıdaki tabloya bakınız)

F_C : Çevre sıcaklığı ve kullanım düzeltme faktörü

F_V : Fan düzeltme faktörü

F_a : Rakım düzeltme faktörü (Sıfır seviyesi).

P₁ : input power to the gear reducer at 1.400 rpm (4 pole)

P_t : thermal power at reference conditions (see above table)

F_C : ambient and operating temperature correction factor

F_V : ventilation correction factor

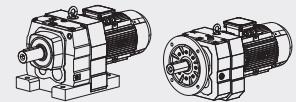
F_a : altitude correction factor

F _C	Çalışma Saati % Olarak Saatte / Duty Per Hour Of Operation %				
	100	80	70	40	20
Ortam Sıcaklığı / Ambient Temperature	10°C	1.15	1.21	1.32	1.55
	18°C	1.07	1.12	1.23	1.44
	25°C	1.00	1.05	1.15	1.35
	30°C	0.93	0.98	1.07	1.26
	40°C	0.83	0.87	0.95	1.12
	43°C	0.75	0.79	0.86	1.01
	50°C	0.67	0.70	0.77	0.90
					1.21

F _V	Havalandırma düzeltme faktörü / Ventilation correction factor
0.75	Durgun Hava / Stagnant Air (<0,5 m/s)
1	Kapalı alandaki kurulum düşük hava sirkülasyonu / Indoor installation with slight ventilation
1.4	Kapalı alandaki kurulum iyi hava sirkülasyonu / Indoor installation with good ventilation (>1,4 m/s)
1.9	Serbest alanda kurulum / Outdoor installation with good ventilation (>3,7 m/s)

F _a	Havalandırma düzeltme faktörü / Ventilation correction factor
1	0*
0.95	750
0.90	1500
0.85	2250
0.81	3000





TR RADYAL YÜKLER

Şaft üzerindeki radyal yük aşağıdaki formülle hesaplanır.

$$F_{re} = \frac{2000 \cdot M \cdot f_z}{D} \leq F_R^1 \circ F_R^2$$

Formülde :

F_{re} : Sonuçtaki radyal yük (N)

M : Shaft üzerindeki radyal yük (Nm)

D : Şarfla monte edilmiş transmisiyon elemanın çapı (mm)

F_R : Uygulanan maksimum radyal yük değeri (N) (Tablo 2.)

f_z :

1,1 Dişliler

1,4 Dişli Zinciri

1,7 V-Makarası

2,5 Düz Makara

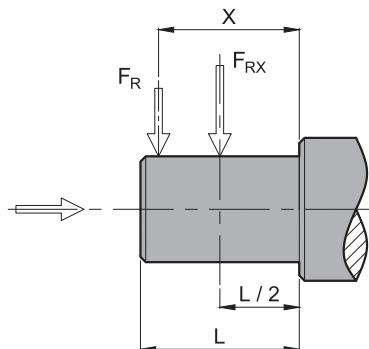
Sonuç radyal yük şaftın merkez hattına uygulanmadığında aşağıdaki formülle etkin yükün hesaplanması gereklidir:

$$F_{re} \leq \frac{F_{R.a}}{(b+x)} \leq F_R^1 \circ F_R^2$$

a,b,x = Tablolarda verilen değerler.

Kabul edilebilir radyal yük (N) değeri redüktörün performansını gösteren ilgili tablolarda verilmiştir. Bu durumda şaftın merkez hattına binen yük ve en uygunlu durumlarda uygulama açısı ve yönü ile ilgili bir olgdur. Kombinasyonlu uygulamalarda max. müsade edilen eksenel yük radyal yükün 1/5'i kadar olmalıdır. Çıkış şaftları ile ilgili olduğundan bu değer çok aşılmamalıdır.

ÇIKIŞ MİLİ - OUTPUT SHAFT



(*) Tek yönlü maksimum eksenel yük değerleri bir basma yatağı kullanılarak (talebe bağlı) kabul edilebilir.

Kabul edilebilir radyal yük değerleri performansa ilgili sayfalarda verilmiştir. (F_R)

Tip / Type	a	b	F _{RMAX}
DA00..	103	83	2800
DA10..	120	96	5500
DA17..	120	96	5500
DA20..	138	108	6600
DA27..	169	134	8000
DA28..	169	134	8000
DA37..	195	155	12000
DA47..	238	188	18000
DA57..	281	221	22000
DA67..	331	261	30000
DA77..	367	282	55000

EN RADIAL LOADS

The radial load on the shaft is calculated with the following formula:

$$F_{re} \leq F_R^1 \circ F_R^2$$

Where :

F_{re} : Resulting radial load (N)

M : Torque on the shaft (Nm)

D : Diameter of the transmission member mounted on the shaft (mm)

F_R : Value of the maximum admitted radial load (N) (Tables 2.)

f_z :

1,1 Gear Pinion

1,4 Chain Wheel

1,7 V-Pulley

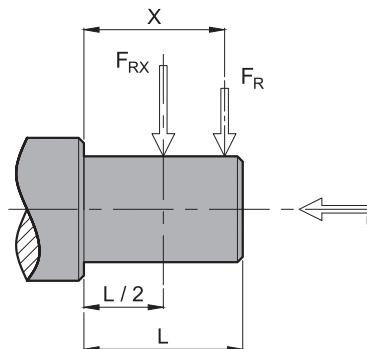
2,5 Flat Pulley

When the resulting radial load is not applied on the center line of the shaft is necessary to calculate the effective load with the following formula:

a,b,x = Values are given in the tables.

The value of the admissible radial load (N) is given in the tables relating to the performance of the reduction unit at issue. It is related to the load applied on the center line of the shaft and in the most unfavorable conditions of angle of application and direction of rotation. The maximum admissible axial loads are 1/5 of the value of the given radial load.

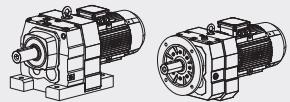
GİRİŞ MİLİ - INPUT SHAFT



(*) Maximum axial load values admissible in only one direction with the use of a thrust bearing (on request).

The values of the admissible radial loads are given on the relating to performance. (F_R)

Tip / Type	a	b	F _{RMAX}
DA00..	-	-	-
DA10..	105	80	2200
DA17..	105	80	2200
DA20..	105	80	2200
DA27..	105	80	2500
DA28..	105	80	2500
DA37..	137	108	3600
DA47..	137	108	3600
DA57..	175	135	7200
DA67..	175	135	7200
DA77..	225	170	15000



TR YAĞLAMA

Tabloda belirtilmeyen aşırı ısı ortamlarında Teknik Servisimizi arayınız. 30°C altındaki ısı değerinde veya 60°C üzerindeki bir ısı değerinde hassas özelliklere sahip yağ keçesi kullanmak gereklidir. 0°C'nin altındaki sıcaklık değerlerinde çalışmak gerekiyorsa aşağıdakileri göz önünde bulundurmak gereklidir.

1-Motorlar tahmin edilen ortam sıcaklıklarındaki operasyonlara uygunluk gerektirir.

2-Elektrik motorunun gücü gereklili olan yüksek başlama tork değerlerini aşabilmesi için yeterli olmalıdır.

3-Redüktörlerin dökme demirden imal edildiği durumlarda -15°C sıcaklığın altında dökme demirin kırılma riski olduğundan darbe ve yüklerine özen gösterin.

4-Servis hizmetinin ilk aşamalarında yağın sahip olduğu aşırı akişkanlık olayından dolayı bir takım yağlama problemleri meydana gelebilir, bu durumda yüksüz olarak bir kaç dakika boyunca çalıştırılmak gereklidir. Yağ değişimi yaklaşık 10.000 saatlik kullanımdan sonra yapılmalıdır. Bu süre servis tipine ve redüktörün çalıştığı ortama göre değişir. Yağ tapalarıyla birlikte verilmeyen redüktörler için, yağlama kalıcıdır ve bu nedenle servis gerektirmez.

EN LUBRICATION

In cases of ambient temperatures not envisaged in the table, call our Technical Service. In the case of temperatures under -30°C or above 60°C it is necessary to use oil seals with special properties. For operating ranges with temperatures under 0°C it is necessary to consider the following:

1-The motors need to be suitable operation at the envisaged ambient temperature.

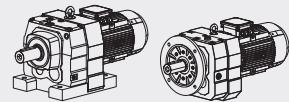
2-The power of the electric motor needs to be adequate to exceed the higher starting torques required.

3-In case of cast - iron gear reducers, pay attention to impact loads since cast iron may become brittle at temperatures below -15°C.

4-During the early stages of service, lubrication problems may arise due to the high level of viscosity taken on by the oil and so it is wise to have a few minutes of rotation under no load. The oil needs to be changed after approximately 10.000 hours. This period depends on the type of service and the environment of the reduction. For unit supplied without oil plugs, lubrication is permanent and they do not require servicing.

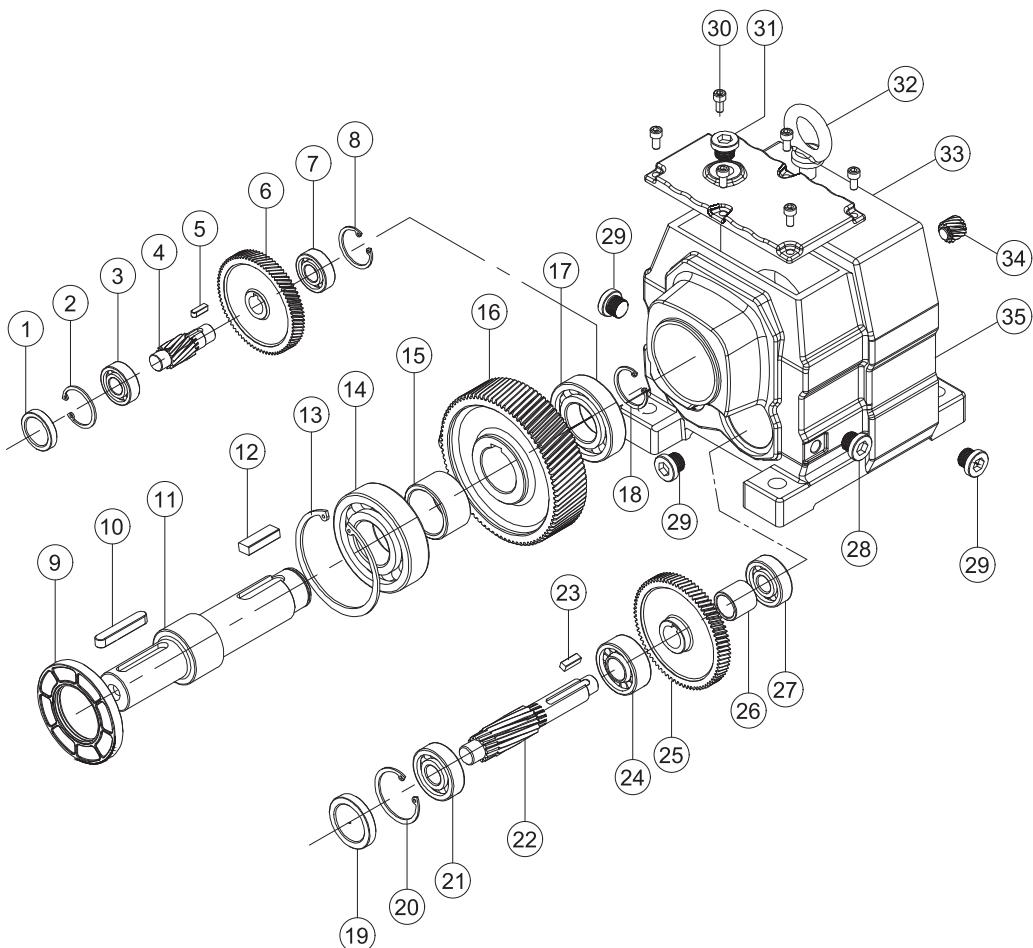
		T°C ISO SAE	AGIP	SHELL	KLUBER	MOBIL	CASTROL	BP
DA00..- 97..	Mineral Yağ Mineral Oil	(-5) / (+40) ISO VG460	BLASIA 220	OMALA OIL220	KLUBEROIL GEM1-220N	MOBILGEAR 600 XP 220	ALPHA MAX 220	ENERGOL GR-XP220
		(-15) / (+25) ISO VG220	BLASIA 150	OMALA OIL150	KLUBEROIL GEM1-150N	MOBILGEAR 600 XP 150	ALPHA MAX 150	ENERGOL GR-XP150

Özel Yağlayıcılar / Special Lubricants			
		T°C	Sentetik Yağ / Synthetic Oil
Düşük Sıcaklıklar / Low Temperature	ENI	(-25) / (+20)	BLASIA 150 S (ISO VG150)
	KLUBER	(-35) / (+10)	KLUBERSYNTH GH6-80 (ISO VG68)
	MOBIL	(-40) / (+5)	SCH 624 (ISO VG32)
	KLUBER	(-40) / (+5)	KLUBERSYNTH GH6-32 (ISO V32)
	KLUBER	(-30) / (+10)	KLUBERSYNTH UH1-6 100 (ISO VG100) Gıda
Yüksek Sıcaklıklar / High Temperature	KLUBER	(-10) / (+50)	KLUBERSYNTH GH 6-460 (ISO VG460)
	KLUBER	(-10) / (+70)	KLUBERSYNTH GH 6-680 (ISO VG680)
	KLUBER	(-10) / (+50)	KLUBERSYNTH GH 6-460 (ISO VG460)
	KLUBER	(-15) / (+40)	KLUBERSYNTH UH1-6 220 (ISO VG220) Gıda

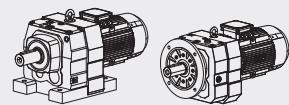


TR PARÇA LİSTESİ

EN PARTS LIST

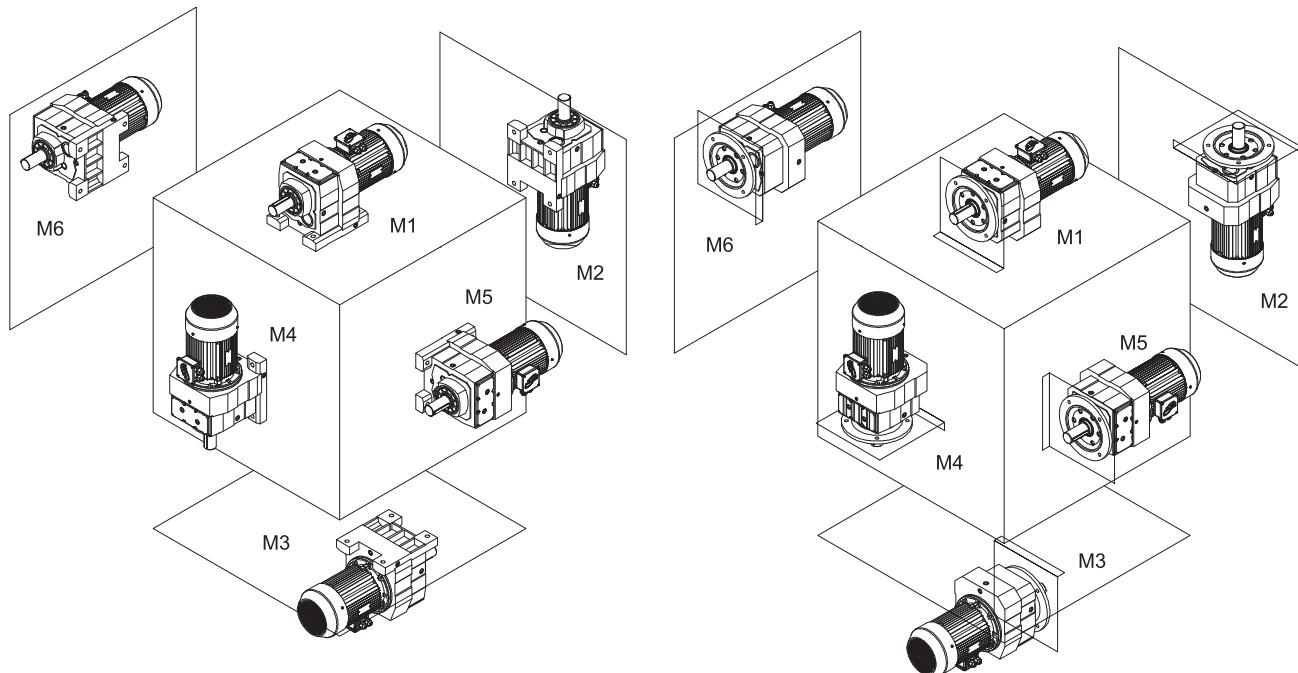


01	Kapak	Cover	20	Segman	Circlip
02	Segman	Circlip	21	Rulman	Bearing
03	Rulman	Bearing	22	Mil	Shaft
04	Mil	Shaft	23	Kama	Key
05	Kama	Key	24	Rulman	Bearing
06	Dişli	Gear	25	Dişli	Gear
07	Rulman	Shim	26	Mil Kovarı	Shaft Sleeve
08	Segman	Circlip	27	Rulman	Bearing
09	Yağ Keçesi	Oil Seal	28	Seviye Tapası	Oil Gauge
10	Kama	Key	29	Yağ Tapası	Oil Plug
11	Çıkış Mili	Output Shaft	30	Civata	Screw
12	Kama	Key	31	Havalık	Breather
13	Segman	Circlip	32	Mapa	Eye Bolt
14	Rulman	Bearing	33	Üst Kapak	Cover Plate
15	Mil Kovarı	Shaft Sleeve	34	Dişli	Gear
16	Dişli	Gear	35	Gövde	Housing
17	Rulman	Bearing			
18	Segman	Circlip			
19	Kapak	Cover			



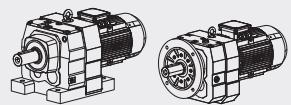
TR MONTAJ POZİSYONU VE YAĞ MİKTARI

EN MOUNTING POSITION AND OIL CAPACITY



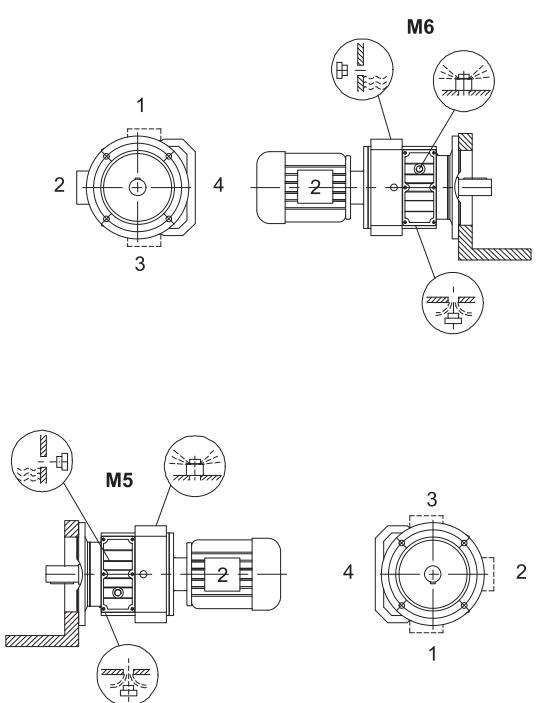
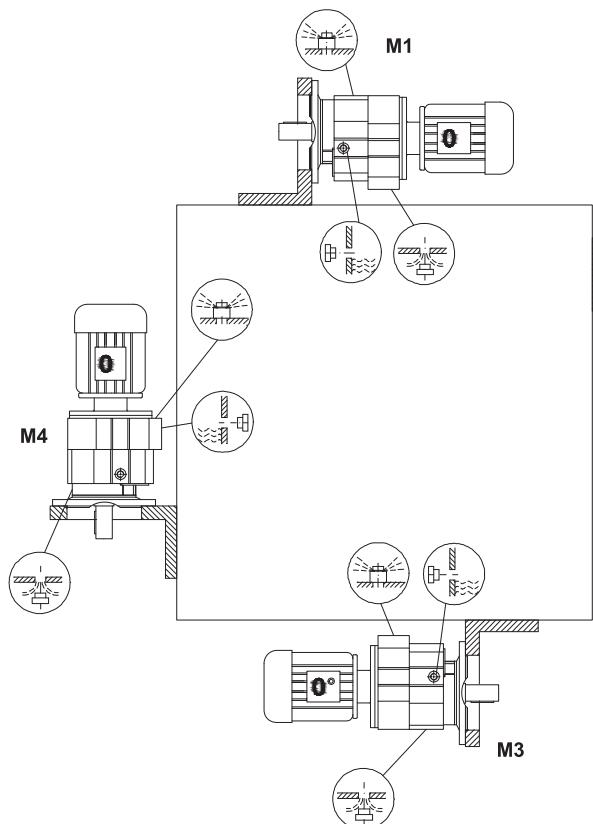
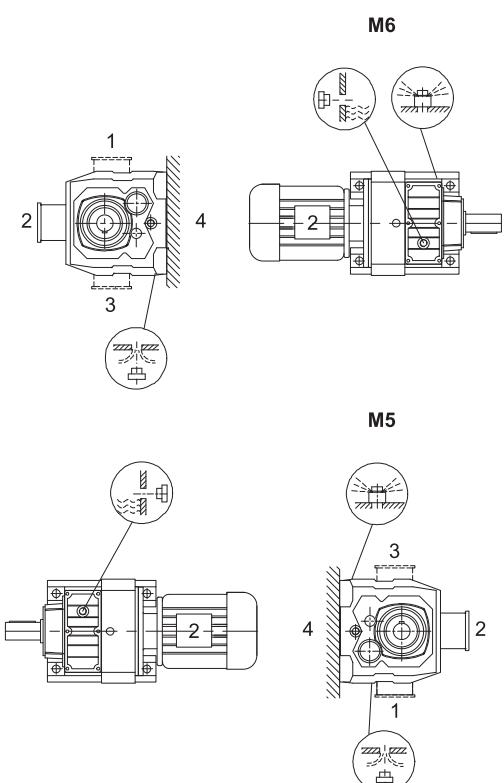
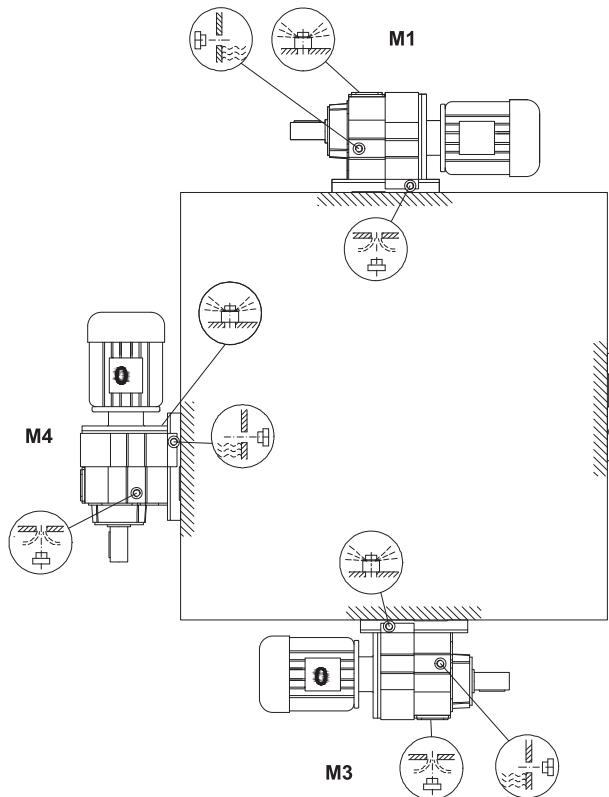
Yağ Miktarı / Oil Capacity						
Tip / Type	M1	M2	M3	M4	M5	M6
DA00..	0.3	0.6	0.4	0.7	0.4	0.4
DA10..	0.8	0.8	1	1.1	0.8	1
DA17..	0.8	0.8	1	1.1	0.8	1
DA20..	1	1.6	1.5	1.7	1.5	1.5
DA27..	1.1	1.9	1.7	2.1	1.7	1.7
DA28..	1.3	2.6	2.8	3.2	1.8	2
DA37..	1.6	3	3	3.3	2.1	2.3
DA47..	3.6	6	6.5	7	5.7	5.9
DA57..	4.5	10.9	11.2	12.5	10.3	10.6
DA67..	6.4	17.4	18	20.5	14	17
DA77..	10	28	29	31	25	25
DA87..	16	45	48	52	40	41
DA97..	29	80	78	88	66	69

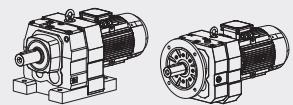
Tip / Type	DA00..	DA10..	DA17..	DA20..	DA27..	DA28..	DA37..	DA47..	DA57..	DA67..	DA77..	DA87..	DA97..
Ağırlık / Weight (kg)	5	9	10	15	21	27	35	65	120	165	255	370	700



(TR) MONTAJ POZİSYONU

(EN) MOUNTING POSITION

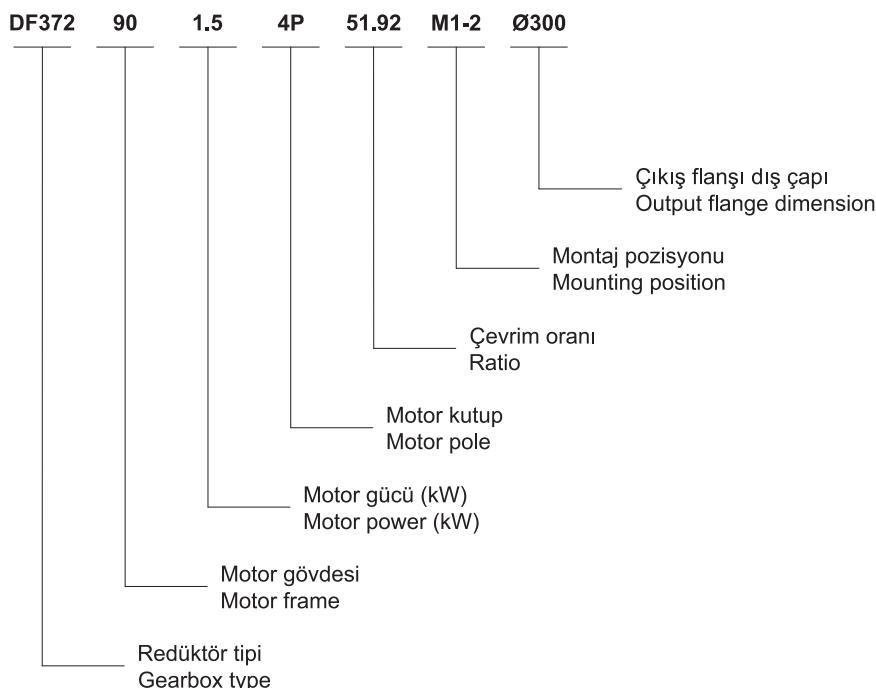




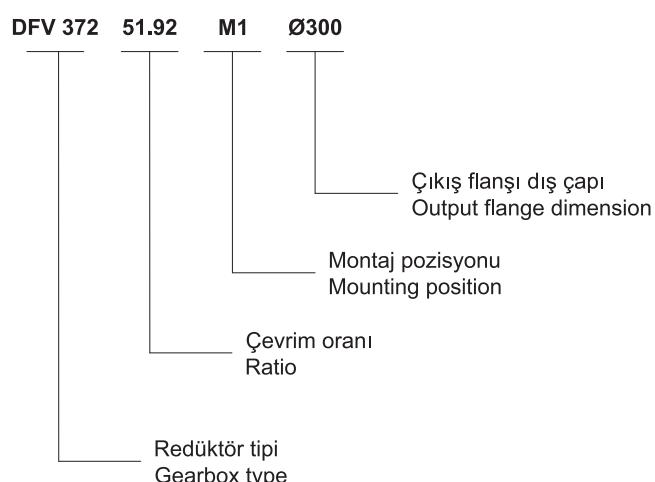
TR SİPARİŞ ŞEKLİ

EN ORDER TYPE

Motorlu Sipariş Örneği / Order Type with Motor Example

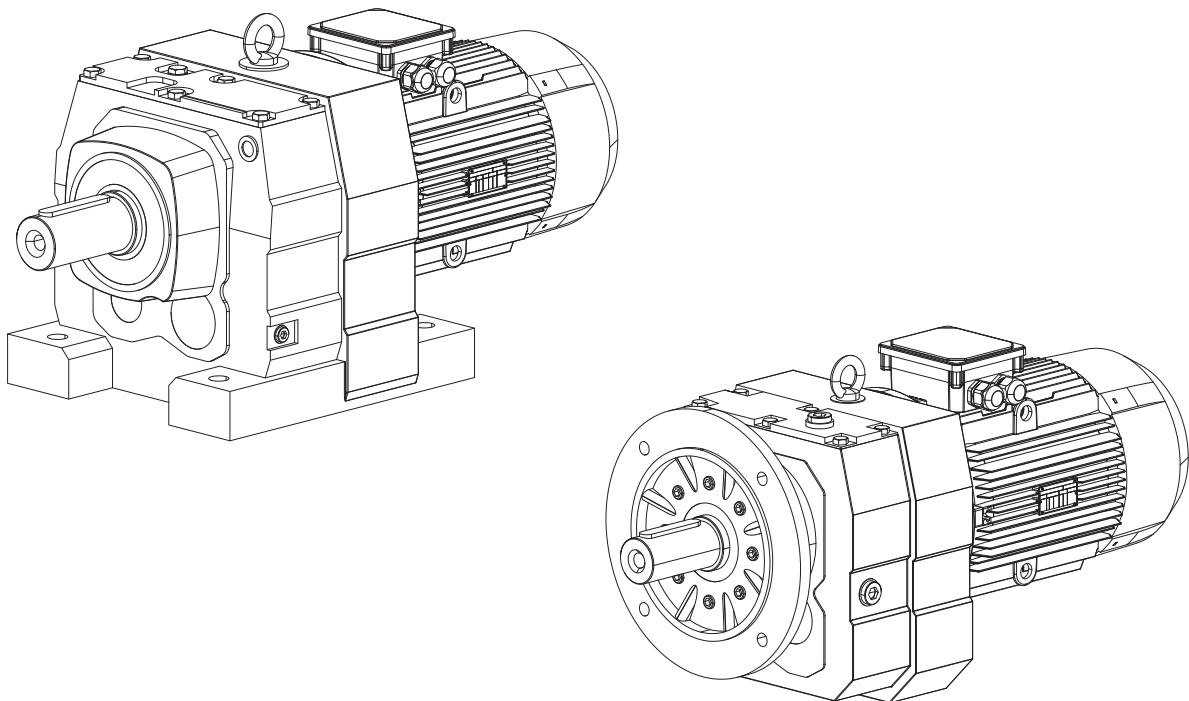


Motorsuz Sipariş Örneği / Order Type Without Motor Example



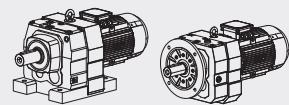
GÜC DEVİR TABLOLARI

GEARED PERFORMANCE TABLES



GÜÇ DEVİR TABLOLARI

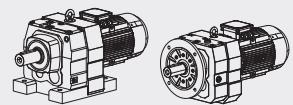
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
0.12	0.06	14300	0.90	21342	
	0.08	12000	1.1	18210	
	0.09	10300	1.25	15923	
	0.10	9440	1.4	14075	
	0.11	7630	1.7	12344	
	0.12	6780	1.9	11143	DA876 63M4A DF876 63M4A
	0.14	6020	2.2	9743	
	0.16	4960	2.6	8443	
	0.19	4290	3.0	7307	
	0.21	3780	3.4	6447	
0.12	0.25	3270	4.0	5568	
	0.11	8390	0.95	12921	
	0.12	7240	1.1	11712	
	0.13	6430	1.25	10573	
	0.16	5160	1.55	8784	DA776 63M4A DF776 63M4A
	0.18	4270	1.85	7479	
	0.21	4060	1.95	6559	
	0.24	3330	2.4	5834	
	0.27	3160	2.5	5116	
	0.18	4500	0.95	7583	
0.12	0.20	3850	1.1	6743	
	0.23	3660	1.2	5914	
	0.27	2950	1.45	5168	
	0.31	2600	1.65	4435	
	0.35	2310	1.85	3896	
	0.45	1880	2.3	3039	DA676 63M4A DF676 63M4A
	0.35	2670	1.6	3918	
	0.41	2240	1.9	3343	
	0.45	2030	2.1	3034	
	0.52	1750	2.5	2653	
0.12	0.61	1500	2.9	2280	
	0.67	1300	3.3	2067	
	0.30	2950	1.0	4559	
	0.34	2500	1.2	4004	
	0.40	2200	1.35	3481	
	0.29	3240	0.9	4678	
	0.32	2970	1.0	4309	
	0.37	2510	1.2	3702	DA576 63M4A DF576 63M4A
	0.46	2010	1.5	3019	
	0.52	1750	1.7	3668	
0.12	0.61	1440	2.1	2245	
	0.68	1280	2.3	2016	
	0.80	1160	2.6	1733	
	0.45	2020	1.5	3065	
	0.51	1790	1.65	2722	
	0.60	1510	2.0	2311	
	0.66	1360	2.2	2078	
	0.76	1170	2.6	1823	DA575 63M4A DF575 63M4A
	0.87	1020	3.0	1583	
	0.99	860	3.5	1396	
0.12	1.1	740	4.1	1228	
	0.48	1740	0.9	2873	
	0.70	1260	1.25	1961	
	0.50	1850	0.85	2770	
	0.53	1730	0.9	2595	DA475 63M4A DF475 63M4A
	0.65	1390	1.1	2129	
	0.72	1240	1.25	1930	
	0.80	1100	1.4	1733	
	0.79	1090	1.4	1737	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

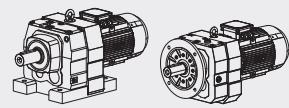


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.12	0.91	960	1.6	1524	
	1.1	775	2.0	1303	
	1.2	680	2.3	1143	
	1.6	555	2.8	885	
	1.8	485	3.2	776	
	2.0	430	3.6	685	
	2.3	345	4.5	599	
	0.97	950	0.85	1430	
	1.1	900	0.9	1303	
	1.2	770	1.05	1124	
	1.3	715	1.15	1047	
	1.5	615	1.35	915	
	0.99	940	0.85	1394	
	1.1	785	1.05	1218	
	1.3	710	1.15	1084	DA375 63M4A
	1.5	635	1.3	940	DF375 63M4A
	1.7	505	1.6	821	
	1.9	460	1.8	731	
	2.1	440	1.85	646	
	2.7	365	2.3	520	
	3.1	310	2.6	451	
	3.3	290	2.8	422	
	3.8	245	3.3	365	
	1.4	655	0.9	956	
	1.5	605	1.0	891	
	1.9	490	1.25	730	
	2.1	425	1.4	644	
	2.4	375	1.6	571	
	2.8	315	1.9	486	DA285 63M4A
	1.6	565	1.05	836	DF285 63M4A
	1.8	475	1.25	750	
	2.1	420	1.4	646	
	2.4	380	1.55	574	
	2.8	330	1.8	495	
	3.2	275	2.2	438	
	1.8	525	0.85	782	
	2.0	440	1.05	678	
	2.3	395	1.15	604	
	2.6	360	1.25	537	
	2.9	315	1.45	471	
	3.9	235	1.95	357	DA275 63M4A
	4.3	205	2.2	319	DF275 63M4A
	3.8	245	1.8	359	
	4.3	225	2.0	324	
	4.8	196	2.3	290	
	5.3	177	2.5	262	
	5.6	164	2.8	246	
	6.3	144	3.1	220	
	2.4	375	0.8	572	
	2.7	330	0.9	510	
	3.2	275	1.1	436	
	3.4	255	1.15	408	
	4.0	210	1.4	344	DA205 63M4A
	2.8	355	0.85	502	DF205 63M4A
	3.2	300	1.0	429	
	3.7	255	1.15	372	
	4.0	240	1.25	348	
	4.6	205	1.5	301	
	5.4	169	1.75	255	



GÜÇ DEVİR TABLOLARI

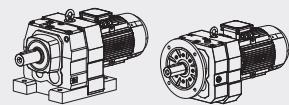
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.12	6.1	150	2.0	228	DA205 63M4A
	7.1	125	2.4	195	DF205 63M4A
	4.1	220	0.9	338	
	4.7	205	1.0	296	
	5.3	176	1.15	259	
	6.1	155	1.3	228	
	6.9	134	1.5	199	
	8.0	117	1.7	172	DA175 63M4A
	4.2	230	0.9	328	DF175 63M4A
	4.8	197	1.0	289	
	5.2	184	1.1	265	
	6.1	151	1.35	226	
	6.8	138	1.45	202	
	7.7	120	1.65	179	
0.12	6.0	152	0.85	229	
	6.9	132	1.0	200	
	7.8	116	1.1	177	
	8.3	111	1.15	166	DA105 63M4A
	6.1	151	0.85	227	DF105 63M4A
	6.8	138	0.95	203	
	7.7	121	1.1	179	
	8.8	102	1.25	156	
0.12	4.6	250	3.3	195.24	
	5.4	210	3.9	166.59	DA373 63M6B
	6.2	186	4.4	145.67	DF373 63M6B
	4.5	255	2.4	199.81	
0.12	4.9	235	2.6	184.07	
	5.7	200	3.0	158.14	DA283 63M6B
	6.5	175	3.4	137.67	DF283 63M6B
	7.0	164	3.7	128.97	
	7.9	145	4.1	113.94	
	6.9	166	3.6	199.81	DA283 63M4A
	7.5	153	3.9	184.07	DF283 63M4A
0.12	4.8	240	1.9	186.89	
	5.2	220	2.0	172.17	
	6.1	188	2.4	147.92	DA273 63M6B
	7.0	164	2.7	128.77	DF273 63M6B
	7.5	154	2.9	120.63	
	8.4	136	3.3	106.58	
	9.1	126	3.6	98.99	
0.12	7.4	155	2.9	186.89	
	8.0	143	3.2	172.17	DA273 63M4A
	9.3	123	3.7	147.92	DF273 63M4A
	11	107	4.2	128.77	
0.12	5.1	225	1.35	176.88	
	5.5	210	1.45	162.94	DA203 63M6B
	6.4	178	1.7	139.99	DF203 63M6B
	7.4	155	1.95	121.87	
0.12	7.8	147	2.0	176.88	
	8.5	135	2.2	162.94	
	9.9	116	2.6	139.99	DA203 63M4A
	11	101	3.0	121.87	DF203 63M4A
	12	95	3.2	114.17	
	14	84	3.6	100.86	
	15	78	3.9	93.68	
0.12	6.7	172	1.15	134.82	DA173 63M6B
					DF173 63M6B

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GEARED PERFORMANCE TABLES

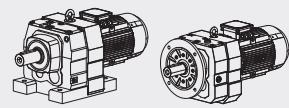


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.12	7.3	158	1.25	123.66	
	8.5	134	1.5	105.28	
	9.9	116	1.75	90.77	DA173 63M6B DF173 63M6B
	11	108	1.85	84.61	
	12	94	2.1	73.96	
	10	112	1.8	134.82	
	11	103	1.95	123.66	
	13	87	2.3	105.28	DA173 63M4A DF173 63M4A
	15	75	2.7	90.77	
	16	70	2.8	84.61	
	19	61	3.3	73.96	
	7.3	158	0.8	123.91	
	8.5	134	0.95	105.49	
	9.9	116	1.1	90.96	DA103 63M6B DF103 63M6B
	11	108	1.2	84.78	
	12	94	1.4	74.11	
	10	112	1.15	135.09	
	11	103	1.25	123.91	
	13	88	1.5	105.49	
	15	76	1.7	90.96	
	16	70	1.85	84.78	
	19	62	2.1	74.11	DA003 63M4A DF003 63M4A
	20	58	2.2	69.47	
	23	51	2.5	61.3	
	25	46	2.8	55.87	
	29	40	3.2	48.17	
	31	37	3.5	44.9	
	11	104	0.8	81.64	
	13	90	0.95	70.39	
	14	84	1.0	65.61	DA003 63M6B DF003 63M6B
	16	73	1.15	57.35	
	17	68	1.25	53.76	
	19	60	1.4	47.44	
	17	68	1.25	81.64	
	20	58	1.45	70.39	
	21	55	1.55	65.61	
	24	48	1.8	57.35	
	26	45	1.9	53.76	
	29	39	2.2	47.44	DA003 63M4A DF003 63M4A
	31	37	2.3	44.18	
	36	32	2.7	38.61	
	38	30	2.8	36.20	
	43	27	3.2	31.94	
	49	24	3.6	28.32	
	57	20	4.2	24.07	
	55	21	4.1	25.23	
	60	19	4.4	23.15	
	70	16	5.2	19.71	
	81	14	6.0	16.99	
	87	13	6.4	15.84	
	100	12	7.4	13.84	
	106	11	7.9	12.98	DA002 63M4A DF002 63M4A
	121	9.5	8.5	11.45	
	136	8.4	9.2	10.15	
	160	7.2	10	8.63	
	183	6.3	8.9	7.55	
	196	5.8	9.5	7.04	
	224	5.1	11	6.15	



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GEARED PERFORMANCE TABLES

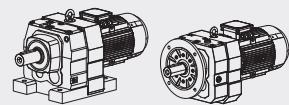


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.12	239	4.8	11	5.76	
	271	4.2	12	5.09	DA002 63M4A
	306	3.7	13	4.51	DF002 63M4A
	360	3.2	14	3.83	
0.18	0.09	15500	0.85	14075	
	0.11	12900	1.0	12344	
	0.12	11600	1.1	11143	
	0.14	10200	1.25	9743	
	0.16	8590	1.5	8443	
	0.18	7430	1.75	7307	DA876 63M4B
	0.20	6560	2.0	6447	DF876 63M4B
	0.24	5660	2.3	5568	
	0.27	5120	2.5	4926	
	0.31	4430	2.9	4325	
	0.35	3900	3.3	3754	
	0.40	3380	3.8	3302	
	0.15	8930	0.9	8784	
	0.18	7490	1.05	7479	
	0.20	6880	1.15	6559	DA776 63M4B
	0.23	5840	1.35	5834	DF776 63M4B
0.34	0.26	5370	1.5	5116	
	0.30	4540	1.75	4464	
	0.34	4000	2.0	3928	
	0.28	5260	1.5	4709	
	0.33	4450	1.8	4018	
	0.38	3850	2.1	3514	DA775 63M4B
	0.40	3640	2.2	3338	DF775 63M4B
	0.45	3160	2.5	2929	
	0.30	4510	0.95	4435	
	0.34	3990	1.1	3896	DA676 63M4B
	0.43	3190	1.35	3039	DF676 63M4B
	0.34	4380	1.0	3918	
	0.39	3700	1.15	3343	
	0.44	3360	1.3	3034	
	0.50	2910	1.5	2653	
0.49	0.58	2500	1.7	2280	
	0.64	2200	1.95	2067	DA675 63M4B
	0.66	2050	2.1	1987	DF675 63M4B
	0.72	1840	2.3	1827	
	0.83	1580	2.7	1599	
	0.94	1410	3.1	1400	
	1.1	1210	3.6	1226	
	0.49	2920	1.05	2668	
	0.59	2420	1.25	2245	
	0.65	2160	1.4	2016	
	0.76	1920	1.55	1733	
	0.81	1790	1.7	1623	DA576 63M4B
	0.92	1570	1.9	1434	DF576 63M4B
	1.1	1300	2.3	1207	
	1.2	1160	2.6	1084	
0.57	1.4	990	3.0	934	
	1.5	920	3.2	878	
	1.8	785	3.8	755	
	0.49	2980	1.0	2722	
	0.57	2520	1.2	2311	DA575 63M4B
	0.64	2270	1.9	2078	DF575 63M4B
0.76	0.76	1850	0.85	1733	DA476 63M4B
	0.89	1650	0.95	1489	DF476 63M4B



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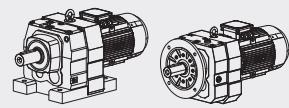


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.18	0.95	1540	1.0	1395	
	1.1	1350	1.15	1232	
	1.1	1250	1.25	1145	DA476 63M4B
	1.3	1120	1.4	1037	DF476 63M4B
	1.4	1000	1.55	931	
	1.6	850	1.85	802	
	0.76	1850	0.85	1737	
	0.87	1620	0.95	1524	
	1.0	1350	1.15	1303	DA475 63M4B
	1.2	1180	1.3	1143	DF475 63M4B
	1.5	940	1.65	885	
	1.7	830	1.9	776	
	1.5	950	0.85	858	
	1.7	830	1.0	575	DA376 63M4B
	2.0	735	1.1	671	DF376 63M4B
	2.3	620	1.35	571	
	1.6	870	0.95	821	
	1.8	780	1.05	731	
	2.0	720	1.15	646	
	2.4	625	1.3	560	
	2.7	530	1.55	488	DA375 63M4B
	3.0	470	1.75	436	DF375 63M4B
	3.5	405	2.0	373	
	4.0	355	2.3	327	
	4.6	320	2.6	289	
	2.3	625	0.95	571	DA286 63M4B
	2.7	525	1.15	486	DF286 63M4B
	2.3	635	0.95	574	
	2.7	545	1.1	495	
	3.0	465	1.3	438	DA285 63M4B
	3.4	415	1.45	388	DF285 63M4B
	3.8	380	1.6	344	
	4.5	310	1.95	294	
	5.1	280	2.1	261	
	2.9	490	0.9	454	
	3.2	445	1.0	410	
	2.8	520	0.85	471	
	3.7	390	1.15	357	DA276 63M4B
	4.1	345	1.3	319	DF276 63M4B
	4.8	290	1.55	273	
	5.5	255	1.75	241	
	6.1	225	2.0	215	
	3.7	405	1.1	359	
	4.1	365	1.25	324	
	4.6	325	1.4	290	
	5.0	295	1.55	262	DA275 63M4B
	5.3	275	1.65	246	DF275 63M4B
	6.0	240	1.85	220	
	7.0	205	2.2	188	
	8.3	172	2.6	159	
	4.4	335	0.9	301	
	5.2	285	1.05	255	DA205 63M4B
	5.8	250	1.2	228	DF205 63M4B
	6.8	210	1.4	195	
	6.6	220	0.9	359	
	7.7	192	1.05	324	DA175 63M4B
	8.8	167	1.2	290	DF175 63M4B
	5.8	250	0.8	262	



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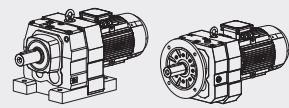
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.18	6.5	230	0.9	246	DA175 63M4B DF175 63M4B
	7.4	200	1.0	220	
	8.5	171	1.15	188	
	9.4	153	0.85	141	DA105 63M4B DF105 63M4B
	11	135	0.95	124	
	12	121	1.1	110	
	14	102	1.3	94	
	9.8	148	0.9	135	
	11	134	0.95	118	
	13	117	1.1	104	
	15	101	1.3	90	
	4.5	385	2.1	195.24	DA373 71M6A DF373 71M6A
	5.2	330	2.5	166.59	
	6.0	290	2.8	145.67	
	6.3	275	3.0	138.39	
	7.2	240	3.4	121.42	
	6.8	255	3.2	195.24	DA373 63M4B DF373 63M4B
	7.9	215	3.8	166.59	
	9.1	190	4.3	145.67	
	9.5	180	4.6	138.39	
	4.3	395	1.5	199.81	DA283 71M6A DF283 71M6A
	4.7	365	1.65	184.07	
	5.5	310	1.9	158.14	
	6.3	270	2.2	137.67	
	6.8	255	2.3	128.97	
	7.6	225	2.7	113.94	
	8.2	210	2.9	105.83	
	9.1	190	3.2	95.91	
	10	170	3.5	86.11	
	12	147	4.1	74.17	
	12	138	4.3	69.75	
	6.6	260	2.3	199.81	DA283 63M4B DF283 63M4B
	7.2	240	2.5	184.07	
	8.4	205	2.9	158.14	
	9.6	179	3.3	137.67	
	10	168	3.6	128.97	
	12	148	4.0	113.94	
	12	138	4.3	105.83	
	4.7	370	1.2	186.89	DA273 71M6A DF273 71M6A
	5.1	340	1.3	172.17	
	5.9	290	1.55	147.92	
	6.8	255	1.75	128.77	DA273 63M4B DF273 63M4B
	7.2	240	1.9	120.63	
	7.1	245	1.85	186.89	DA273 63M4B DF273 63M4B
	7.7	225	2.0	172.17	
	8.9	193	2.3	147.92	
	10	168	2.7	128.77	
	11	157	2.9	120.63	
	12	139	3.2	106.58	
	13	129	3.5	98.99	
	15	117	3.8	89.71	
	7.5	230	1.3	176.88	DA203 63M4B DF203 63M4B
	8.1	210	1.4	162.94	
	9.4	182	1.65	139.99	
	11	159	1.9	121.87	
	12	149	2.0	114.17	

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GEARED PERFORMANCE TABLES

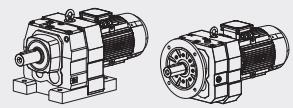


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.18	13	131	2.3	100.86	DA203 63M4B DF203 63M4B
	14	122	2.5	93.68	
	16	111	2.7	84.90	DA173 71M6A DF173 71M6A
	17	99	3.0	76.23	
	7.0	245	0.8	123.66	
	8.3	215	0.95	105.28	
	9.6	179	1.1	90.77	
	10	167	1.2	84.61	
	9.8	176	1.15	134.82	DA173 63M4B DF173 63M4B
	11	161	1.25	123.66	
	13	137	1.45	105.28	
	15	118	1.7	90.77	
	16	110	1.8	84.61	
	18	96	2.1	73.96	
	19	90	2.2	69.33	
	22	80	2.5	61.18	
	24	73	2.8	55.76	
	27	63	3.2	48.08	
	11	161	0.8	123.91	DA103 63M4B DF103 63M4B
	13	137	0.95	105.49	
	15	118	1.1	90.96	
	16	110	1.2	84.78	
	18	96	1.35	74.11	
	19	90	1.45	69.47	
	22	80	1.65	61.30	
	24	73	1.8	55.87	
	27	63	2.1	48.17	
	29	59	2.2	44.90	
	34	51	2.5	39.25	DA102 63M4B DF102 63M4B
	36	48	2.7	36.79	
	41	42	3.1	32.47	
	46	38	3.5	28.78	
	54	32	4.1	24.47	
	47	37	3.5	28.37	
	51	34	3.8	26.09	
	59	29	4.5	22.32	
	68	25	5.2	19.35	
	73	24	5.5	18.08	
	84	20	6.4	15.63	DA003 63M4B DF003 63M4B
	99	17	7.5	13.28	
	16	106	0.8	81.64	
	19	92	0.95	70.39	
	20	85	1.0	65.61	
	23	75	1.15	57.35	
	25	70	1.2	53.76	
	28	62	1.4	47.44	
	30	58	1.5	44.18	
	34	50	1.7	38.61	
	36	47	1.8	36.20	
	41	42	2.0	31.94	
	47	37	2.3	28.32	
	55	31	2.7	24.07	
	52	33	2.6	25.23	
	57	30	2.8	23.15	
	67	26	3.3	19.71	
	78	22	3.8	16.99	
	83	21	4.1	15.84	
	95	18	4.7	13.84	



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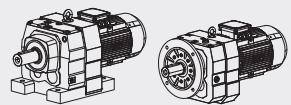
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
0.18	102	17	5.0	12.98	
	115	15	5.4	11.45	
	130	13	5.8	10.15	
	153	11	6.4	8.63	
	175	9.8	5.7	7.55	
	188	9.2	6.0	7.04	DA002 63M4B DF002 63M4B
	215	8.0	6.8	6.15	
	229	7.5	7.1	5.76	
	259	6.6	7.7	5.09	
	293	5.9	8.1	4.51	
0.25	344	5.0	9.0	3.83	
	268	6.4	12	10.15	
	315	5.5	13	8.63	
	360	4.8	12	7.55	
	387	4.4	13	7.04	DA002 56M2B DF002 56M2B
	442	3.9	14	6.15	
	472	3.6	15	5.76	
	535	3.2	16	5.09	
	603	2.8	17	4.51	
	710	2.4	19	3.83	
0.37	0.13	15000	0.85	9743	
	0.15	12700	1.0	8443	
	0.18	11000	1.2	7307	
	0.20	9700	1.35	6447	
	0.23	8380	1.55	5568	DA876 71M4A DF876 71M4A
	0.26	7520	1.75	4926	
	0.30	6540	2.0	4325	
	0.35	5730	2.3	3754	
	0.39	4990	2.6	3302	
	0.45	4360	3.0	2898	
0.45	0.22	8680	0.9	5834	
	0.25	7860	1.0	5116	DA776 71M4A DF776 71M4A
	0.29	6720	1.2	4464	
	0.33	5910	1.35	3928	
	0.28	7600	1.05	4709	
	0.32	6440	1.25	4018	
	0.37	5590	1.45	3514	
	0.39	5290	1.5	3338	
	0.44	4610	1.75	2929	
	0.49	4090	1.95	2658	DA775 71M4A DF775 71M4A
0.55	0.54	3710	2.2	2412	
	0.63	3190	2.5	2073	
	0.71	2760	2.9	1839	
	0.93	2130	3.8	1397	
	1.1	1850	4.3	1226	
	0.43	4670	0.9	3039	DA676 71M4A DF676 71M4A
	0.43	4860	0.9	3034	
	0.65	3030	1.4	1987	
	0.71	2740	1.55	1827	DA675 71M4A DF675 71M4A
	0.81	2370	1.8	1599	
0.75	0.93	2100	2.0	1400	
	1.1	1810	2.4	1226	
	1.4	1410	3.0	939	
	1.6	1220	3.5	822	
	0.64	3160	0.95	2016	
0.80	0.75	2780	1.1	1733	
	0.80	2590	1.15	1623	DA575 71M4A DF575 71M4A
	0.71	2870	1.05	1823	

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GEARED PERFORMANCE TABLES

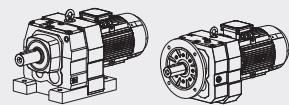


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.25	0.82	2490	1.2	1583	
	0.93	2160	1.4	1396	
	1.1	1880	1.6	1228	
	1.2	1700	1.75	1069	DA575 71M4A
	1.4	1480	2.0	938	DF575 71M4A
	1.6	1260	2.4	824	
	1.8	1130	2.7	737	
	2.1	970	3.1	632	
	1.1	1810	0.85	1145	
	1.2	1630	0.95	1037	DA476 71M4A
	1.4	1460	1.05	931	DF476 71M4A
	1.6	1250	1.25	802	
	1.1	1750	0.90	1143	
	1.5	1380	1.1	885	
	1.7	1210	1.3	776	
	1.9	1070	1.45	685	DA475 71M4A
	2.2	900	1.7	599	DF475 71M4A
	2.5	795	1.95	525	
	2.8	695	2.2	456	
	4.9	405	3.8	268	
	2.3	900	0.90	571	
	2.3	900	0.90	560	
	2.7	775	1.05	488	
	3.0	690	1.20	436	DA375 71M4A
	3.5	590	1.40	373	DF375 71M4A
	4.0	520	1.60	327	
	4.5	460	1.80	289	
	5.0	410	2.0	260	
	5.8	345	2.4	224	
	3.3	605	1.0	388	
	3.8	550	1.10	344	
	4.4	455	1.30	294	
	5.0	410	1.45	261	DA286 71M4A
	5.6	370	1.60	234	DF286 71M4A
	6.5	315	1.90	200	
	7.4	270	2.2	176	
	8.2	245	2.5	158	
	3.4	630	0.95	384	
	3.6	585	1.05	359	
	4.2	505	1.20	310	DA285 71M4A
	4.9	425	1.40	264	DF285 71M4A
	5.5	375	1.60	235	
	6.5	320	1.90	201	
	7.2	290	2.1	181	
	4.1	505	0.90	319	
	4.8	425	1.05	273	
	5.4	375	1.20	241	DA276 71M4A
	6.1	335	1.35	215	DF276 71M4A
	6.9	295	1.55	187	
	7.9	255	1.75	164	
	9.2	220	2.0	142	
	4.0	530	0.85	324	
	4.5	470	0.95	290	
	5.0	425	1.05	262	DA275 71M4A
	5.3	395	1.15	246	DF275 71M4A
	5.9	355	1.30	220	



GÜÇ DEVİR TABLOLARI

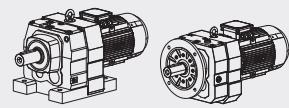
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.25	5.7	365	0.80	228	DA205 71M4A DF205 71M4A
	6.7	310	0.95	195	
	7.1	290	1.05	182	
	8.5	240	1.25	154	
	8.7	240	0.85	150	
	10	205	0.95	130	DA176 71M4A DF176 71M4A
	10	196	1.00	124	
	12	174	1.15	110	
	14	148	1.35	94	
	8.4	250	0.80	156	
	9.7	215	0.95	135	DA175 71M4A DF175 71M4A
	10	210	0.95	127	
	13	169	1.2	104	
	14	146	1.35	90	
	4.5	530	1.55	195.24	DA373 71M6B DF373 71M6B
	5.3	450	1.8	166.59	
	6.0	395	2.1	145.67	
	6.7	360	2.3	195.24	
	7.8	305	2.7	166.59	DA373 71M4A DF373 71M4A
	8.9	270	3.1	145.67	
	9.4	255	3.2	138.39	
	11	225	3.7	121.42	
	4.4	540	1.1	199.81	
	4.8	500	1.2	184.07	
	5.6	430	1.4	158.14	DA283 71M6B DF283 71M6B
	6.4	375	1.6	137.67	
	6.8	350	1.7	128.97	
	7.7	310	1.95	113.94	
	8.3	285	2.1	105.83	
	6.5	365	1.65	199.81	
	7.1	340	1.8	184.07	
	8.2	290	2.1	158.14	DA283 71M4A DF283 71M4A
	9.4	255	2.4	137.67	
	10	235	2.5	128.97	
	11	210	2.9	113.94	
	12	194	3.1	105.83	
	14	176	3.4	95.91	
	15	158	3.8	86.11	
	4.7	505	1.9	186.89	DA273 71M6B DF273 71M6B
	5.1	465	1.95	172.17	
	5.9	400	1.1	147.92	
	6.8	350	1.3	128.77	
	7.3	325	1.35	120.63	DA273 71M6B DF273 71M6B
	8.3	290	1.55	106.58	
	8.9	270	1.7	98.99	
	7.0	345	1.3	186.89	
	7.6	315	1.4	172.17	
	8.8	270	1.65	147.92	
	10	235	1.9	128.77	
	11	220	2.0	120.63	DA273 71M4A DF273 71M4A
	12	196	2.3	106.58	
	13	182	2.5	98.99	
	14	165	2.7	89.71	
	16	148	3.0	80.55	
	19	127	3.5	69.23	

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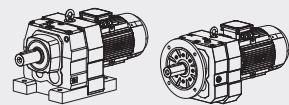


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.25	7.3	325	0.9	176.88	DA203 71M4A DF203 71M4A
	8.0	300	1.0	162.94	
	9.3	255	1.15	139.99	
	11	225	1.35	121.87	
	11	210	1.45	114.17	
	13	185	1.6	100.86	
	14	172	1.75	93.68	
	15	156	1.9	84.90	
	17	140	2.1	76.23	
	19	126	2.4	68.54	
	20	118	2.5	64.21	DA173 71M4A DF173 71M4A
	23	104	2.9	56.73	
	25	97	3.1	52.69	
	27	88	3.4	47.75	
	9.6	250	0.8	134.82	
	11	225	0.9	123.66	
	12	193	1.05	105.28	
	14	167	1.2	90.77	
	15	155	1.3	84.61	
	18	136	1.45	73.96	
	19	127	1.55	69.33	
	21	112	1.8	61.18	
	23	102	1.95	55.76	
	27	88	2.3	48.08	
0.50	29	82	2.4	44.81	
	33	72	2.8	39.17	
	35	67	3.0	36.72	
	40	60	3.4	32.40	
	15	156	0.85	84.78	DA103 71M4A DF103 71M4A
	18	136	0.95	74.11	
	19	128	1.0	69.47	
	21	113	1.15	61.30	
	23	103	1.25	55.87	
	27	89	1.45	48.17	
	29	83	1.6	44.90	
	33	72	1.8	39.25	
	35	68	1.9	36.79	
	40	60	2.2	32.47	
0.75	45	53	2.5	28.78	
	53	45	2.9	24.47	
	46	52	2.5	28.37	DA102 71M4A DF102 71M4A
	50	48	2.7	26.09	
	58	41	3.2	22.32	
	67	36	3.7	19.35	
	72	33	3.9	18.08	
	83	29	4.5	15.63	
	98	24	5.3	13.28	
	110	22	5.9	11.86	
	128	19	6.6	10.13	
	138	17	7.1	9.41	
	159	15	7.7	8.16	
	170	14	8.0	7.63	
	197	12	8.8	6.59	
	232	10	9.6	5.60	
	260	9.2	10	5.00	
	304	7.8	11	4.27	
	325	7.3	12	4.00	
	386	6.2	13	3.37	



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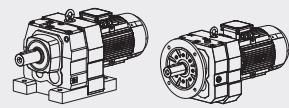
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
0.25	23	105	0.8	57.35	DA003 71M4A DF003 71M4A
	24	99	0.85	53.76	
	27	87	1.0	47.44	
	29	81	1.05	44.18	
	34	71	1.2	38.61	
	36	67	1.3	36.20	
	41	59	1.45	31.94	
	46	52	1.65	28.32	
	54	44	1.9	24.07	
	52	46	1.85	25.23	
	56	43	2.0	23.15	
	66	36	2.3	19.71	
	77	31	2.7	16.99	
	82	29	2.9	15.84	
	94	25	3.3	13.84	
	100	24	3.6	12.98	
	114	21	3.9	11.45	
	128	19	4.1	10.15	DA002 71M4A DF002 71M4A
	151	16	4.6	8.63	
0.37	172	14	4.0	7.55	
	185	13	4.3	7.04	
	211	11	4.8	6.15	
	226	11	5.0	5.76	
	256	9.3	5.5	5.09	
	288	8.3	5.8	4.51	
	339	7.0	6.4	3.83	
	433	5.5	9.8	6.15	
	461	5.2	10	5.76	DA002 63M2B DF002 63M2B
	523	4.6	11	5.09	
	590	4.0	12	4.51	
	694	3.4	13	3.83	
0.37	0.19	15800	0.8	7307	DA876 71M4B DF876 71M4B
	0.21	14000	0.95	6447	
	0.25	12100	1.1	5568	
	0.28	10800	1.2	4926	
	0.32	9400	1.4	4325	
	0.37	8210	1.6	3754	
	0.42	7180	1.8	3302	
	0.48	6280	2.1	2898	DA776 71M4B DF776 71M4B
	0.31	9670	0.85	4464	
	0.35	8510	0.95	3928	
	0.34	9140	0.9	4018	
	0.41	7950	1.0	3514	
	0.47	7540	1.05	3338	
	0.56	6580	1.2	2929	
	0.62	5540	1.45	2484	DA776 71M4B DF776 71M4B
	0.52	5880	1.35	2658	
	0.57	5330	1.5	2412	
	0.67	4580	1.75	2073	
	0.75	3990	2.0	1839	
	0.99	3070	2.6	1397	
	1.1	2670	3.0	1226	
0.67	1.3	2400	3.3	1090	DA676 71M4B DF676 71M4B
	1.5	2090	3.8	951	
	0.67	4610	0.95	2067	
	0.82	3760	1.15	1693	
	0.89	3410	1.25	1550	
0.98	0.98	3090	1.4	1407	DA676 71M4B DF676 71M4B
	1.1	2660	1.6	1209	

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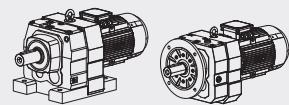


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.37	0.69	4370	1.0	1987	DA675 71M4B DF675 71M4B
	0.76	3970	1.1	1827	
	0.86	3440	1.25	1599	DA675 71M4B DF675 71M4B
	0.99	3040	1.4	1400	
	1.1	2640	1.65	1226	DA576 71M4B DF576 71M4B
	1.5	2040	2.1	939	
	1.7	1770	2.4	822	
	0.96	3240	0.95	1434	DA576 71M4B DF576 71M4B
	1.1	2710	1.1	1207	
	1.3	2430	1.25	1084	
0.37	0.99	3100	0.95	1396	DA575 71M4B DF575 71M4B
	1.1	2710	1.1	1228	
	1.3	2410	1.25	1069	
	1.5	2110	1.4	938	
	1.7	1820	1.65	824	
	1.9	1630	1.85	737	
	2.2	1390	2.2	632	
	3.2	960	3.1	431	
	3.6	840	3.6	379	
	4.1	745	4.0	336	
0.37	1.7	1780	0.85	802	DA476 71M4B DF476 71M4B
	1.8	1670	0.95	754	
	2.1	1430	1.1	649	
	1.8	1730	0.9	776	
	2.0	1530	1.0	685	
	2.3	1310	1.2	599	
	2.6	1150	1.35	525	
	3.0	1000	1.55	456	
	5.2	585	2.7	268	
	5.8	515	3.0	236	
0.37	2.6	1230	1.25	538	DA475 71M4B DF475 71M4B
	2.9	1080	1.45	472	
	3.5	910	1.7	400	
	3.8	810	1.9	361	
	3.2	980	0.85	436	
	3.7	840	0.95	373	
	4.2	740	1.1	327	
	4.8	655	1.25	289	
	5.3	585	1.4	260	
	6.2	500	1.65	224	
0.37	7.0	435	1.9	197	DA375 71M4B DF375 71M4B
	8.1	380	2.2	169	
	9.3	335	2.5	149	
	4.7	650	0.9	294	
	5.3	585	1.0	261	
	5.9	525	1.15	234	
	6.9	450	1.35	200	
	3.1	1140	2.6	289.74	
	3.5	1000	3.0	255.71	
	3.7	950	3.2	241.25	
0.37	4.2	850	3.5	216.28	DA573 80M6A DF573 80M6A
	3.7	970	1.6	246.54	
	4.2	850	1.8	216.54	
	4.4	810	1.9	205.71	
	4.9	715	2.2	181.77	
	5.8	610	2.5	155.34	
	6.3	560	2.8	142.41	



GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

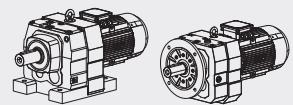


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.37	5.4	655	1.25	166.59	DA373 80M6A DF373 80M6A
	6.2	570	1.45	145.67	
	6.5	545	1.5	138.39	
	7.1	500	1.65	195.24	DA373 71M4B DF373 71M4B
	8.3	425	1.9	166.59	
	9.5	375	2.2	145.67	
	10	355	2.3	138.39	
	11	310	2.6	121.42	
	13	265	3.1	102.99	
	15	240	3.5	92.97	
	5.7	620	0.95	158.14	DA283 80M6A DF283 80M6A
	6.5	540	1.1	137.67	
	7.0	505	1.2	128.97	
	7.9	445	1.35	113.94	
	6.9	510	1.15	199.81	DA283 71M4B DF283 71M4B
	7.5	470	1.25	184.07	
	8.7	405	1.5	158.14	
	10	355	1.7	137.67	
	11	330	1.8	128.97	
	12	290	2.1	113.94	
	13	270	2.2	105.83	
	14	245	2.4	95.91	
	16	220	2.7	86.11	
	19	190	3.2	74.17	
	20	179	3.4	69.75	
	23	157	3.8	61.26	
	24	146	4.1	56.89	
	7.0	505	0.9	128.77	DA273 80M6A DF273 80M6A
	7.5	475	0.95	120.63	
	8.4	420	1.1	106.58	
	9.1	390	1.15	98.99	
	7.4	480	0.95	186.89	DA273 71M4B DF273 71M4B
	8.0	440	1.0	172.17	
	9.3	380	1.2	147.92	
	11	330	1.35	128.77	
	11	310	1.45	120.63	
	13	275	1.65	106.58	
	14	255	1.8	98.99	
	15	230	1.95	89.71	
	17	205	2.2	80.55	
	20	177	2.5	69.23	
	21	166	2.7	64.85	
	24	147	3.1	57.29	
	26	136	3.3	53.22	
	29	124	3.6	48.23	
	9.9	360	0.85	139.99	DA203 71M4B DF203 71M4B
	11	310	0.95	121.87	
	12	290	1.05	114.17	
	14	260	1.15	100.86	
	15	240	1.25	93.68	
	16	215	1.4	84.90	
	18	195	1.55	76.23	
	20	176	1.7	68.54	
	21	164	1.8	64.21	
	24	145	2.1	56.73	
	26	135	2.2	52.69	
	29	122	2.5	47.75	
	32	110	2.7	42.87	



GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

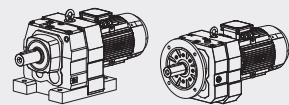


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
0.37	37	95	3.2	36.93	DA203 71M4B
	40	89	3.4	34.73	DF203 71M4B
	41	87	2.8	33.79	
	44	80	2.8	31.12	
	52	69	4.4	26.74	DA202 71M4B
	59	60	5.0	13.28	DF202 71M4B
	63	56	5.4	21.81	
	15	230	0.85	90.77	
	16	215	0.85	84.61	
	19	189	1.05	73.96	
	20	178	1.15	69.33	
	23	157	1.3	61.18	
	25	143	1.4	55.76	
	29	123	1.6	48.08	DA173 71M4B
	31	115	1.75	44.81	DF173 71M4B
	35	100	2.0	39.17	
	38	94	2.1	36.72	
0.37	43	83	2.4	32.40	
	48	74	2.7	28.73	
	57	63	3.2	24.42	
	49	73	2.8	28.32	
	53	67	2.8	26.03	
	62	57	3.5	22.27	
	71	49	4.1	19.31	DA172 71M4B
	76	46	4.3	18.05	DF172 71M4B
	88	40	5.0	15.60	
	104	34	5.6	13.25	
	117	30	6.0	11.83	
	23	157	0.85	61.30	
	25	143	0.9	55.87	
	29	123	1.05	48.17	
	31	115	1.15	44.90	DA103 71M4B
	35	101	1.3	39.25	DF103 71M4B
	38	94	1.4	36.79	
0.37	43	83	1.55	32.47	
	48	74	1.75	28.78	
	56	63	2.1	24.47	
	49	73	1.8	28.37	
	53	67	1.95	26.09	
	62	57	2.3	22.32	
	71	50	2.6	19.35	DA102 71M4B
	76	46	2.8	18.08	DF102 71M4B
	88	40	3.2	15.63	
	104	34	3.8	13.28	
	36	99	0.85	38.61	
	38	93	0.9	36.20	DA003 71M4B
	43	82	1.05	31.94	DF003 71M4B
	49	73	1.15	28.32	
	57	62	1.4	24.07	
	55	65	1.3	25.23	
	60	59	1.45	23.15	
	70	51	1.7	19.71	
	81	44	1.95	16.99	
0.37	87	41	2.1	15.84	DA002 71M4B
	100	35	2.4	13.84	DF002 71M4B
	106	33	2.6	12.98	
	121	29	2.8	11.45	
	136	26	3.0	10.15	
	160	22	3.3	8.63	



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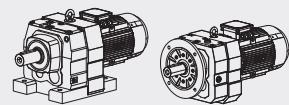
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
0.37	183	19	2.9	7.55	
	196	18	3.1	7.04	
	224	16	3.4	6.15	
	239	15	3.6	5.76	DA002 71M4B
	271	13	3.9	5.09	DF002 71M4B
	306	12	4.2	4.51	
	360	9.8	4.6	3.83	
	191	19	4.6	13.84	
	204	17	4.9	12.98	
	231	15	5.3	11.45	
	261	14	5.7	10.15	
	307	12	6.3	8.63	
	351	10	5.5	7.55	DA002 71M2A
	377	9.4	5.8	7.04	DF002 71M2A
0.55	431	8.2	6.6	6.15	
	460	7.7	6.9	5.76	
	521	6.8	7.5	5.09	
	588	6.0	8.0	4.51	
	691	5.1	8.8	3.83	
	0.22	19800	0.9	6077	
	0.25	17600	1.0	5407	DA976 80M4A
	0.29	15100	1.2	4650	DF976 80M4A
	0.33	13300	1.35	4129	
	0.28	16600	0.8	4926	
	0.31	14500	0.9	4325	
	0.36	12700	1.05	3754	
	0.41	11100	1.15	3302	
1.1	0.47	9720	1.35	2898	
	0.53	8730	1.5	2555	DA876 80M4A
	0.62	7560	1.7	2211	DF876 80M4A
	0.70	6670	1.95	1951	
	0.80	5730	2.3	1705	
	0.89	5140	2.5	1536	
	1.0	4450	2.9	1329	
	0.51	9080	0.9	2658	
	0.55	8540	0.95	2484	
	0.56	8240	0.95	2412	
	0.66	7090	1.15	2073	
	0.74	6210	1.3	1839	DA776 80M4A
	0.85	5350	1.5	1598	DF776 80M4A
1.7	0.97	4760	1.7	1397	
	1.1	4150	1.95	1226	
	1.2	3710	2.2	1090	
	1.4	3240	2.5	951	
	1.6	2780	2.9	831	
	0.97	4790	0.9	1407	
	1.1	4120	1.05	1209	
	1.3	3590	1.2	1055	DA676 80M4A
	1.5	3140	1.35	979	DF676 80M4A
	1.7	2790	1.55	815	
	1.9	2450	1.75	717	
	2.2	2140	2.0	626	
1.7	0.97	4730	0.9	1400	
	1.1	4120	1.05	1226	
	1.2	3690	1.15	1104	DA675 80M4A
	1.5	3170	1.35	939	DF675 80M4A
	1.7	2760	1.55	822	

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GEARED PERFORMANCE TABLES

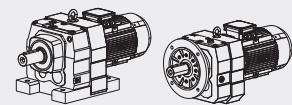


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
0.55	1.5	3240	0.95	938	
	1.6	2810	1.05	824	
	1.8	2520	1.2	737	
	2.2	2160	1.4	632	
	2.4	1880	1.6	560	
	2.8	1640	1.85	484	DA575 80M4A DF575 80M4A
	3.2	1480	2.0	431	
	3.6	1290	2.3	379	
	4.0	1150	2.6	336	
	4.6	1010	3.0	296	
	5.5	840	3.6	249	
0.55	2.6	1780	0.85	525	
	3.0	1550	1.0	456	
	3.4	1340	1.15	398	
	3.9	1190	1.3	352	DA475 80M4A DF475 80M4A
	4.4	1030	1.5	305	
	2.9	1650	0.95	472	
	3.4	1400	1.1	400	
0.55	3.8	1260	1.25	361	
	4.9	970	0.85	276	
	5.8	830	1.0	236	DA375 80M4A DF375 80M4A
	6.2	775	1.05	221	
	7.3	650	1.25	186	
	3.1	1690	1.75	289.74	
	3.5	1490	2.0	255.71	DA573 80M6B DF573 80M6B
0.55	3.7	1410	2.1	241.25	
	4.2	1260	2.4	216.28	
	4.7	1120	2.7	289.74	
	5.3	990	3.0	255.71	DA573 80M4A DF573 80M4A
	5.6	930	3.2	241.25	
	6.3	840	3.6	216.28	
	3.7	1440	1.1	246.54	
0.55	4.2	1260	1.25	216.54	
	4.4	1200	1.3	205.71	DA473 80M6B DF473 80M6B
	4.9	1060	1.45	181.77	
	5.8	910	1.7	155.34	
	5.5	950	1.65	246.54	
	6.3	840	1.85	216.54	
	6.6	795	1.95	205.71	
0.55	7.5	700	2.2	181.77	
	8.8	600	2.6	155.34	DA473 80M4A DF473 80M4A
	9.6	550	2.8	142.41	
	11	485	3.2	124.97	
	12	455	3.4	118.43	
	13	400	3.9	103.65	
	8.2	645	1.25	166.59	
0.55	9.3	565	1.45	145.67	
	9.8	535	1.55	138.39	
	11	470	1.75	121.42	
	13	400	2.1	102.99	DA373 80M4A DF373 80M4A
	15	360	2.3	92.97	
	17	315	2.6	81.80	
	18	300	2.8	77.24	
0.55	21	255	3.2	65.77	
	8.6	610	1.0	158.14	
	9.9	530	1.15	137.67	DA283 80M4A DF283 80M4A
	11	500	1.2	128.97	



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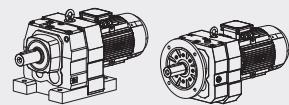
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.55	12	440	1.35	113,94	DA283 80M4A DF283 80M4A
	13	410	1.45	105,83	
	14	370	1.6	95,91	
	16	335	1.8	86,11	
	18	285	2.1	74,17	
	20	270	2.2	69,75	
	22	235	2.5	61,26	
	24	220	2.7	56,89	
	11	465	0.95	120,63	DA273 80M4A DF273 80M4A
	13	410	1.1	106,58	
	14	380	1.2	98,99	
	15	345	1.3	89,71	
	17	310	1.45	80,55	
	20	265	1.7	69,23	
	21	250	1.8	64,85	
	24	220	2.0	57,29	
	26	205	2.2	53,22	
	28	186	2.4	48,23	
	31	167	2.7	43,30	DA272 80M4A DF272 80M4A
	36	144	3.1	37,30	
	39	136	3.3	35,07	
	52	102	4.4	26,31	
	54	97	4.7	24,99	
	62	85	5.3	21,93	
	73	72	6.3	18,60	
	15	360	0.85	93,68	
	16	330	0.9	84,90	
	18	295	1.0	76,23	DA203 80M4A DF203 80M4A
	20	265	1.15	68,54	
	21	250	1.2	64,21	
	24	220	1.35	56,73	
	26	205	1.45	52,69	
	28	184	1.65	47,75	
	32	166	1.8	42,87	DA203 80M4A DF203 80M4A
	37	143	2.1	36,93	
	39	134	2.2	34,73	
	46	115	2.6	29,88	
	51	103	2.9	26,74	DA202 80M4A DF202 80M4A
	58	90	3.3	23,28	
	62	84	3.6	21,81	
	22	235	0.85	61,83	DA173 80M4A DF173 80M4A
	24	215	0.95	55,76	
	28	186	1.1	48,08	
	30	173	1.15	44,81	
	35	151	1.3	39,17	
	37	142	1.4	36,72	
	42	125	1.6	32,40	
	47	111	1.8	28,73	
	56	94	2.1	24,42	DA172 80M4A DF172 80M4A
	61	86	2.3	22,27	
	70	75	2.7	19,31	
	75	70	2.9	18,05	
	87	60	3.3	15,60	
	103	51	3.7	13,25	
	115	46	4.0	11,83	DA103 80M4A DF103 80M4A
	35	152	0.85	39,25	
	37	142	0.9	36,79	
	42	125	1.05	32,47	
	47	111	1.15	28,78	

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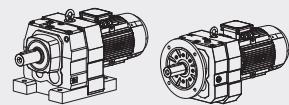


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
0.55	61	86	1.5	22.32	
	70	75	1.75	19.35	
	75	70	1.85	18.08	
	87	60	2.2	15.63	
	102	51	2.5	13.28	
	115	46	2.8	11.86	
	134	39	3.1	10.13	
	145	36	3.4	9.41	
	167	32	3.7	8.16	
	178	29	3.8	7.63	
	206	26	4.2	6.59	
	243	22	4.6	5.60	
	272	19	4.9	5.00	
	318	17	5.3	4.27	
	340	15	5.5	4.00	
	404	13	6.1	3.37	
	50	105	0.8	53.76	
	57	92	0.9	47.44	
	61	86	1.0	44.18	DA003 71M2B DF003 71M2B
	70	75	1.15	38.61	
0.75	69	76	1.1	19.71	
	80	66	1.3	16.99	
	86	61	1.4	15.84	
	98	54	1.6	13.84	
	105	50	1.7	12.98	
	119	44	1.85	11.45	
	134	39	1.95	10.15	
	158	33	2.2	8.63	DA002 80M4A DF002 80M4A
	180	29	1.9	7.55	
	193	27	2.0	7.04	
	221	24	2.3	6.15	
	236	22	2.4	5.76	
	267	20	2.6	5.09	
	302	17	2.8	4.51	
1.2	355	15	3.0	3.83	
	313	17	4.3	8.63	
	358	15	3.8	7.55	
	384	14	4.0	7.04	
	439	12	4.5	6.15	
	468	11	4.7	5.76	DA002 71M2B DF002 71M2B
	531	9.9	5.2	5.09	
	599	8.8	5.4	4.51	
	704	7.5	6.0	3.83	
	0.30	20700	0.85	4650	
1.0	0.33	18300	1.0	4129	
	0.52	12000	1.5	2657	
	0.59	10400	1.75	2333	DA976 80H4B DF976 80H4B
	0.66	9230	1.95	2085	
	0.96	6510	2.8	1438	
	0.42	15100	0.85	3302	
	0.48	13200	1.0	2898	
	0.54	11900	1.1	2555	
	0.62	10300	1.25	2211	
	0.71	9070	1.45	1951	DA876 80H4B DF876 80H4B
1.2	0.81	7830	1.65	1705	
	0.90	7030	1.85	1536	
	1.0	6080	2.1	1329	
	1.2	5310	2.5	1166	



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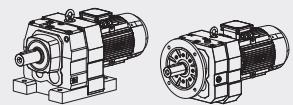
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.75	0.74	8640	0.95	1863	
	0.87	7330	1.1	1586	DA776 80H4B
	0.99	6500	1.25	1391	DF776 80H4B
	1.1	5850	1.35	1256	
	0.67	9640	0.85	2073	
	0.75	9480	0.95	1839	
	0.86	7310	1.1	1598	
	0.99	6480	1.25	1397	
	1.1	5660	1.4	1226	DA775 80H4B
	1.3	5050	1.6	1090	DF775 80H4B
	1.5	4410	1.8	951	
	1.7	3810	2.1	831	
	1.9	3320	2.4	730	
	1.3	4890	0.9	1055	DA676 80H4B
	1.5	4270	1.0	919	DF676 80H4B
	1.7	3800	1.15	815	
	1.2	5050	0.85	1104	
	1.5	4330	1.0	939	DA675 80H4B
	1.7	3770	1.15	822	DF675 80H4B
	3.7	1690	2.5	369	
	4.3	1470	2.9	323	
	2.2	2940	1.0	632	
	2.5	2570	1.15	560	
	2.8	2230	1.35	484	
	3.2	2010	1.5	431	DA575 80H4B
	3.6	1760	1.7	379	DF575 80H4B
	4.1	1570	1.9	336	
	4.7	1370	2.2	296	
	5.5	1150	2.6	249	
	3.5	1830	0.85	398	
	3.9	1630	0.95	352	
	4.5	1400	1.1	305	DA476 80H4B
	5.2	1240	1.25	268	DF476 80H4B
	5.8	1090	1.4	236	
	3.8	1710	0.9	361	DA475 80H4B
	4.6	1410	1.1	300	DF475 80H4B
	5.4	1200	1.3	256	
	3.5	2030	1.45	255.71	DA573 90S6A
	3.7	1920	1.55	241.25	DF573 90S6A
	4.2	1720	1.75	216.28	
	4.8	1500	2.0	289.74	
	5.4	1330	2.3	255.71	
	5.7	1250	2.4	241.25	DA573 80H4B
	6.4	1120	2.7	216.28	DF573 80H4B
	7.4	970	3.1	186.30	
	8.1	880	3.4	170.02	
	4.2	1720	0.9	216.54	
	4.4	1640	0.95	205.71	
	4.9	1450	1.05	181.77	DA473 90S6A
	5.8	1240	1.25	155.34	DF473 90S6A
	6.3	1130	1.35	142.41	
	5.6	1280	1.2	246.54	
	6.4	1120	1.4	216.54	
	6.7	1070	1.45	205.71	DA473 80H4B
	7.6	940	1.65	181.77	DF473 80H4B
	8.9	810	1.9	155.34	
	9.7	740	2.1	142.41	

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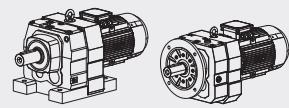


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.75	11	650	2.4	124.97	DA473 80H4B DF473 80H4B
	12	615	2.5	118.43	
	13	540	2.9	103.65	
	15	485	3.2	93.38	
	8.3	860	0.95	166.59	DA373 80H4B DF373 80H4B
	9.5	755	1.1	145.67	
	10	720	1.15	138.39	
	11	630	1.3	121.42	
	13	535	1.55	102.99	
	15	485	1.7	92.97	
	17	425	1.95	81.80	
	18	400	2.0	77.24	
	21	340	2.4	65.77	
	24	300	2.7	57.68	
	27	270	3.0	52.07	
	30	240	3.5	45.81	
	32	225	3.7	43.26	
	11	670	0.9	128.97	DA283 80H4B DF283 80H4B
	12	590	1.0	113.94	
	13	550	1.1	105.83	
	14	500	1.2	95.91	
	16	445	1.35	86.11	
	19	385	1.55	74.17	
	20	360	1.65	69.75	
	23	320	1.9	61.26	
	24	295	2.0	56.89	
	27	270	2.2	51.56	
	30	240	2.5	46.29	
	13	555	0.8	106.58	DA273 80H4B DF273 80H4B
	14	515	0.9	98.99	
	15	465	0.95	89.71	
	17	420	1.1	80.55	
	20	360	1.25	69.23	
	21	335	1.35	64.85	
	24	295	1.5	57.29	
	26	275	1.65	53.22	
	29	250	1.8	48.23	
	32	225	2.0	43.30	
	37	194	2.3	37.30	
	39	182	2.5	69.23	
	46	157	2.9	64.85	
	51	140	3.2	57.29	
	52	137	3.3	53.22	
	55	130	3.5	48.23	
	63	114	4.0	43.30	
	74	97	4.7	37.30	
	20	355	0.85	68.54	DA203 80H4B DF203 80H4B
	21	335	0.9	64.21	
	24	295	1.0	56.73	
	26	275	1.1	52.69	
	29	250	1.2	47.75	
	32	225	1.35	42.87	
	37	192	1.55	36.93	
	40	180	1.65	34.73	
	46	155	1.95	29.88	
	52	139	2.2	26.70	
	58	122	2.5	23.59	
	52	139	2.2	26.74	



GÜÇ DEVİR TABLOLARI

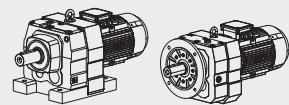
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
0.75	59	121	2.5	23.28	
	63	113	2.7	21.81	
	72	100	3.0	19.27	DA202 80H4B
	77	93	3.1	17.89	DF202 80H4B
	85	84	3.3	16.22	
	29	250	0.8	48.08	
	31	235	0.85	44.81	
	35	205	1.0	39.17	DA173 80H4B
	38	191	1.05	36.72	DF173 80H4B
	43	168	1.2	32.40	
0.75	48	149	1.35	28.73	
	57	127	1.6	24.42	
	62	116	1.75	22.27	
	71	100	2.0	19.31	
	76	94	2.1	18.05	
	88	81	2.5	15.60	DA172 80H4B
	104	69	2.8	13.25	DF172 80H4B
	117	61	3.0	11.83	
	137	53	3.2	10.11	
	146	49	3.4	9.47	
0.75	48	149	0.85	28.73	DA103 80H4B
	56	127	1.0	24.42	DF103 80H4B
	62	116	1.1	22.27	
	71	100	1.3	19.31	
	76	94	1.4	18.05	
	88	81	1.6	15.60	
	104	69	1.9	13.28	
	116	62	2.1	11.86	DA102 80H4B
	136	53	2.3	10.13	DF102 80H4B
	147	49	2.5	9.41	
0.75	169	42	2.7	8.16	
	181	40	2.8	7.63	
	209	34	3.1	6.59	
	246	29	3.4	5.60	
	276	26	3.7	5.00	
	70	102	0.85	19.71	
	81	88	0.95	16.99	
	87	82	1.05	15.84	
	100	72	1.2	13.84	
	106	67	1.25	12.98	
0.75	121	59	1.35	11.45	
	136	53	1.45	10.15	
	160	45	1.6	8.63	DA002 80H4B
	183	39	1.45	7.55	DF002 80H4B
	196	37	1.5	7.04	
	224	32	1.7	6.15	
	239	30	1.75	5.76	
	271	26	1.95	5.09	
	306	23	2.0	4.51	
	360	20	2.3	3.83	
0.75	236	30	2.7	11.45	
	266	27	2.9	10.15	
	313	23	3.1	8.63	
	358	20	2.8	7.55	
	384	19	2.9	7.04	DA002 80M2A
	439	16	3.3	6.15	DF002 80M2A
	468	15	3.5	5.76	
	531	14	3.8	5.09	
	599	12	4.0	4.51	

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GEARED PERFORMANCE TABLES

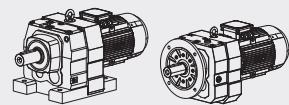


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
1.1	0.53	17700	1.0	2657	DA976 90S4A DF976 90S4A
	0.60	15400	1.15	2333	
	0.67	13700	1.3	2082	
	0.75	12300	1.45	1877	
	0.84	10900	1.65	1670	
	0.97	9600	1.9	1438	
	1.1	8540	2.1	1279	
	1.2	7420	2.4	1123	
	0.63	15000	0.85	2211	DA876 90S4A DF876 90S4A
	0.72	13300	1.0	1951	
1.1	0.82	11500	1.15	1705	
	0.91	10300	1.25	1536	
	1.0	8940	1.45	1329	
	1.2	7810	1.65	1166	
	1.4	6870	1.9	1029	
	1.6	5950	2.2	889	
	1.8	5240	2.5	784	
	2.0	4630	2.8	695	
	1.0	9480	0.85	1391	DA776 90S4A DF776 90S4A
	1.1	8550	0.95	1256	
1.1	1.3	7500	1.05	1105	
	1.3	7080	1.15	1043	
	1.6	6010	1.35	888	
	1.0	9470	0.85	1397	
	1.1	8290	0.95	1226	
	1.3	7390	1.1	1090	DA775 90S4A DF775 90S4A
	1.5	6450	1.25	951	
	1.7	5590	1.45	831	
	1.9	4890	1.65	730	
	2.2	4190	1.9	629	
1.1	2.5	3770	2.1	560	DA675 90S4A DF675 90S4A
	2.8	3270	2.5	490	
	2.0	4870	0.9	717	
	2.3	4100	1.05	614	
	2.6	3630	1.2	544	
	2.8	3280	1.3	492	
	3.3	2780	1.55	417	
	3.8	2480	1.75	369	
	4.3	2170	2.0	323	
	4.9	1910	2.2	285	
1.1	5.5	1690	2.5	253	DA575 90S4A DF575 90S4A
	3.2	2930	1.0	431	
	3.7	2580	1.15	379	
	4.2	2290	1.3	336	
	4.7	2010	1.5	296	
	5.6	1680	1.8	249	
	6.0	1570	1.9	234	
1.1	6.7	1400	2.1	209	
	5.2	1810	0.85	268	DA476 90S4A DF476 90S4A
	5.9	1600	0.95	236	
	6.7	1400	1.1	209	
1.1	5.5	1760	0.9	256	DA475 90S4A DF475 90S4A
	6.0	1590	0.95	232	
	6.7	1350	1.15	195	
	3.6	2920	1.05	255.71	DA573 90L6B DF573 90L6B
	3.8	2750	1.1	241.25	
	4.2	2470	1.2	216.28	
	4.9	2130	1.4	186.30	



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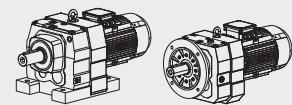
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
1.1	5.5	1920	1.55	255.71	DA573 90S4A DF573 90S4A
	5.8	1810	1.65	241.25	
	6.5	1620	1.85	216.28	
	7.5	1400	2.2	186.30	
	8.2	1280	2.3	170.02	
	9.3	1130	2.7	150.78	
	11	950	3.2	126.75	
	12	870	3.4	116.48	
	6.5	1620	0.95	216.54	
	6.8	1540	1.0	205.71	
1.1	7.7	1360	1.15	181.77	DA473 90S4A DF473 90S4A
	9.0	1170	1.35	155.34	
	9.8	1070	1.45	142.41	
	11	940	1.65	124.97	
	12	890	1.75	118.43	
	14	450	2.0	103.65	
	15	700	2.2	93.38	
	17	615	2.5	81.82	
	19	545	2.8	72.57	
	22	480	3.2	63.68	
1.1	23	455	3.4	60.35	DA373 90S4A DF373 90S4A
	27	395	3.9	52.82	
	12	910	0.9	121.42	
	14	775	1.05	102.99	
	15	700	1.2	92.97	
	17	615	1.35	81.80	
	18	580	1.4	77.24	
	21	495	1.65	65.77	
	24	435	1.9	57.68	
	27	390	2.1	52.07	
1.1	31	345	2.4	45.81	DA283 90S4A DF283 90S4A
	32	325	2.5	43.26	
	38	275	3.0	36.83	
	42	250	3.3	33.47	
	16	645	0.95	86.11	
	19	555	1.1	74.17	
	20	525	1.15	69.75	
	23	460	1.3	61.26	
	25	425	1.4	56.89	
	27	385	1.55	51.89	
1.1	30	345	1.75	46.29	DA282 90S4A DF282 90S4A
	35	300	1.95	39.88	
	37	280	2.0	37.50	
	43	240	2.2	32.27	
	49	215	2.4	28.83	
	50	210	2.6	28.13	
	52	200	2.7	26.72	
	60	176	3.2	23.44	
	70	149	4.0	19.89	
	20	520	0.85	69.23	
1.1	22	485	0.9	64.85	DA273 90S4A DF273 90S4A
	24	430	1.05	57.29	
	26	400	1.15	53.22	
	29	360	1.25	48.23	
	32	325	1.4	43.30	
	38	280	1.6	37.30	
	40	265	1.7	35.07	
	46	225	2.0	30.18	
	52	200	2.2	26.97	

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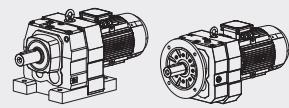


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
1.1	53	197	2.3	26.31	
	56	188	2.4	24.99	
	64	165	2.7	21.93	DA272 90S4A DF272 90S4A
	75	140	3.2	18.60	
	83	126	3.6	16.79	
	29	360	0.85	47.75	
	33	320	0.95	42.87	
	38	275	1.1	36.93	
	40	260	1.15	34.73	DA203 90S4A DF203 90S4A
	47	225	1.35	29.88	
52	200	1.5	26.70		
59	177	1.7	23.59		
60	175	1.7	23.28		
64	164	1.85	21.81		
73	145	2.0	19.27		
78	134	2.2	17.89	DA202 90S4A DF202 90S4A	
86	122	2.3	16.22		
96	109	2.4	14.56		
112	94	2.7	12.54		
119	89	2.8	11.79		
138	76	3.0	10.15		
154	68	3.2	9.07		
43	245	0.8	32.40		
49	215	0.95	28.73	DA173 90S4A DF173 90S4A	
57	183	1.1	24.42		
73	145	1.4	19.31		
78	135	1.5	18.05		
90	117	1.7	15.60		
106	99	1.9	13.25		
118	89	2.1	11.83		
139	76	2.2	10.11	DA172 90S4A DF172 90S4A	
148	71	2.3	9.47		
176	60	2.6	7.97		
210	50	2.9	6.67		
247	43	3.3	5.67		
277	38	3.5	5.06		
72	145	0.9	19.35		
77	136	0.95	18.08		
90	117	1.1	15.63		
105	100	1.3	13.28		
118	89	1.45	11.86		
138	76	1.61	10.13		
172	61	1.9	8.16	DA102 90S4A DF102 90S4A	
184	57	1.95	7.63		
212	50	2.1	6.59		
250	42	2.4	5.60		
280	38	2.5	5.00		
328	32	2.7	4.27		
350	30	2.8	4.00		
415	25	3.1	3.37		
203	52	2.5	13.28		
228	46	2.8	11.86		
267	39	3.1	10.13		
287	37	3.3	9.41		
331	32	3.7	8.16	DA102 80M2B DF102 80M2B	
354	30	3.8	7.63		
410	26	4.1	6.59		
482	22	4.5	5.60		
540	20	4.9	5.00		



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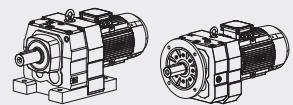
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
1.5	137	77	1.1	19.71	DA002 80M2B DF002 80M2B
	159	66	1.3	16.99	
	170	62	1.4	15.84	
	195	54	1.6	13.84	
	208	51	1.7	12.98	
	236	45	1.8	11.45	
	266	40	1.95	10.15	
	358	29	1.9	7.55	
	384	27	2.0	7.04	
	439	24	2.3	6.15	
	468	22	2.4	5.76	
	531	20	2.6	5.09	
	599	18	2.7	4.51	
	704	15	3.0	3.83	
1.5	0.60	21200	0.85	2333	DA976 100L4A DF976 100L4A
	0.68	18800	0.95	2085	
	0.75	16900	1.05	1877	
	0.84	15000	1.20	1670	
	0.98	13100	1.35	1438	
	1.1	11700	1.55	1279	
	1.3	10200	1.75	1123	
	1.4	9060	2.0	999	
	3.3	3870	3.4	426	
	3.8	3340	3.9	368	
	0.83	15700	0.85	1705	
	0.92	14100	0.90	1536	
	1.1	12200	1.05	1329	
	1.2	10700	1.20	1166	
1.5	1.4	9410	1.40	1029	DA876 100L4A DF876 100L4A
	1.6	8140	1.60	889	
	1.8	7170	1.80	784	
	2.0	6340	2.0	695	
	2.3	5700	2.3	619	
	2.5	5130	2.5	558	
	1.4	9650	0.85	1043	
	1.6	8200	1.0	888	
	2.0	6440	1.25	699	
	2.3	5590	1.45	609	
	1.3	10100	0.8	1090	
	1.5	8790	0.9	951	
	1.7	7640	1.05	831	
	1.9	6680	1.20	730	
1.5	2.2	5740	1.40	629	DA775 90H4B DF775 90H4B
	2.5	5150	1.55	560	
	2.9	4470	1.80	490	
	3.3	3910	2.0	428	
	3.7	3510	2.3	381	
	4.4	2980	2.7	323	
	2.7	4860	0.9	528	
	2.6	4970	0.85	544	
	2.9	4490	0.95	492	
	3.4	3810	1.15	417	
	3.8	3390	1.25	369	
	4.4	2960	1.45	323	
	3.0	4410	1.0	469	
	4.2	3120	0.95	336	
	4.8	2740	1.1	296	
	5.7	2300	1.3	249	
	6.0	2150	1.4	234	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

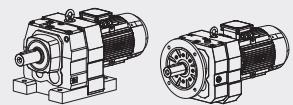


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
1.5	3.7	3910	1.1	251.15	
	4.0	3580	1.2	229.95	
	4.5	3160	1.35	203.16	DA673 100L6B
	5.3	2680	1.6	172.34	DF673 100L6B
	5.8	2470	1.75	158.68	
	6.5	2210	1.95	141.83	
	5.5	2600	1.15	255.71	
	5.8	2450	1.2	241.25	
	6.5	2200	1.35	216.28	
	7.6	1890	1.6	186.30	
1.5	8.3	1730	1.75	170.02	DA573 90H4B
	9.4	1530	1.95	150.78	DF573 90H4B
	11	1290	2.3	126.75	
	12	1180	2.5	116.48	
	14	1050	2.8	103.44	
	15	940	3.2	92.48	
	7.8	1850	0.85	181.77	
	9.1	1580	1.0	155.34	
	9.9	1450	1.05	142.41	
	11	1270	1.2	124.97	
1.5	12	1200	1.3	118.43	
	14	1050	1.45	103.65	
	15	950	1.65	93.38	DA473 90H4B
	17	830	1.85	81.92	DF473 90H4B
	19	735	2.1	72.57	
	22	645	2.4	63.68	
	23	615	2.5	60.35	
	27	535	2.9	52.82	
	30	485	3.2	47.58	
	34	425	3.7	41.74	
1.5	38	375	4.1	36.84	
	15	940	0.85	92.97	
	17	830	1.0	81.80	
	18	785	1.05	77.24	
	21	670	1.25	65.77	
	24	585	1.4	57.68	
	27	530	1.55	52.07	DA373 90H4B
	31	465	1.75	45.81	DF373 90H4B
	33	440	1.85	43.26	
	38	375	2.2	36.83	
1.5	42	340	2.4	33.47	
	49	295	2.8	29.00	
	56	255	3.0	25.23	
	60	240	3.5	23.37	
	66	220	3.8	21.43	DA372 90H4B
	75	191	4.1	18.80	DF372 90H4B
	23	620	0.95	61.26	
	25	580	1.05	56.89	
	27	525	1.15	51.56	
	30	470	1.3	46.29	DA283 90H4B
1.5	35	405	1.45	39.88	DF283 90H4B
	38	380	1.5	37.50	
	44	330	1.65	32.37	
	49	295	1.8	28.83	
	50	285	1.9	28.13	
	53	270	2.0	26.72	
	60	240	2.3	23.44	DA282 90H4B
	71	200	3.0	19.89	DF282 90H4B
	79	182	3.2	17.95	



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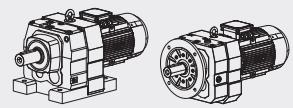
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
1.5	27	540	0.85	53.22	DA273 90H4B DF273 90H4B
	29	490	0.9	48.23	
	33	440	1.0	43.30	DA272 90H4B DF272 90H4B
	38	380	1.2	37.30	
	40	355	1.25	35.07	DA203 90H4B DF203 90H4B
	47	305	1.45	30.18	
	54	265	1.7	26.31	DA202 90H4B DF202 90H4B
	56	255	1.75	24.99	
	64	225	2.0	21.93	DA172 90H4B DF172 90H4B
	76	189	2.4	18.60	
2.2	84	171	2.6	16.79	DA203 90H4B DF203 90H4B
	95	150	2.9	14.77	
	101	142	3.0	13.95	DA202 90H4B DF202 90H4B
	119	121	3.4	11.88	
	38	375	0.8	36.93	DA202 90H4B DF202 90H4B
	41	355	0.85	34.73	
	47	305	1.0	29.88	DA172 90H4B DF172 90H4B
	53	270	1.1	26.77	
	60	240	1.25	23.59	
	61	235	1.25	23.28	
3.0	65	220	1.35	21.81	DA202 90H4B DF202 90H4B
	73	196	1.5	19.27	
	79	182	1.6	17.89	DA172 90H4B DF172 90H4B
	87	165	1.65	16.22	
	97	148	1.8	14.56	DA172 90H4B DF172 90H4B
	112	127	1.95	12.54	
	120	120	2.0	11.79	
	139	103	2.2	10.15	
	155	92	2.4	9.07	
	176	81	2.5	8.01	
4.0	182	79	2.1	7.76	DA172 90H4B DF172 90H4B
	203	71	2.2	6.96	
	235	61	2.6	6.00	DA172 90H4B DF172 90H4B
	250	57	2.7	5.64	
	291	49	3.0	4.85	DA172 90H4B DF172 90H4B
	325	44	3.3	4.34	
	368	39	3.7	3.83	
	73	196	1.0	19.31	DA172 90H4B DF172 90H4B
	78	183	1.1	18.05	
5.5	90	159	1.25	15.60	DA172 90H4B DF172 90H4B
	106	135	1.4	13.25	
	119	120	1.5	11.83	DA172 90H4B DF172 90H4B
	140	103	1.65	10.11	
	149	96	1.75	9.47	DA172 90H4B DF172 90H4B
	177	81	1.95	7.97	
	211	68	2.1	6.67	DA172 90H4B DF172 90H4B
	249	58	2.5	5.67	
	279	51	2.6	5.06	DA172 90H4B DF172 90H4B
	326	44	2.9	4.32	
7.5	348	41	3.0	4.05	DA172 90H4B DF172 90H4B
	414	35	3.2	3.41	
	204	70	2.7	13.25	DA172 90S2A DF172 90S2A
	228	63	2.9	11.83	
	267	54	3.2	10.11	
	285	50	3.3	9.47	
	339	42	3.7	7.97	

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GEARED PERFORMANCE TABLES

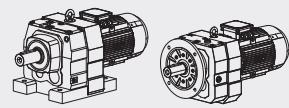


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
1.5	90	159	0.8	15.63	
	106	135	0.95	13.28	
	119	121	1.05	11.86	
	139	103	1.2	10.13	
	173	83	1.4	8.16	
	185	78	1.45	7.63	
	214	67	1.6	6.59	DA102 90H4B
	252	57	1.75	5.60	DF102 90H4B
	282	51	1.85	5.00	
	330	43	2.0	4.27	
	353	41	2.1	4.00	
	418	34	2.3	3.37	
	228	63	2.0	11.86	
	267	54	2.3	10.13	
2.2	331	43	2.7	8.16	
	354	41	2.8	7.63	
	410	35	3.0	6.59	DA002 90S2A
	482	30	3.3	5.60	DF002 90S2A
	540	27	3.6	5.00	
	632	23	3.8	4.27	
	675	21	4.0	4.00	
	801	18	4.4	3.37	
	0.84	22400	0.8	1670	
	0.98	19500	0.95	1438	
	1.1	17300	1.05	1279	
	1.3	15100	1.2	1123	DA976 100L4A
	1.4	13500	1.35	999	DF976 100L4A
2.2	1.6	11600	1.55	861	
	1.9	10300	1.75	760	
	2.2	8710	2.1	656	
	2.6	7130	1.8	533	
	3.0	6150	2.1	462	DA876 100L4A
	3.3	5740	2.3	426	DF876 100L4A
	3.8	4960	2.6	368	
	4.3	4390	3.0	326	
	1.2	15800	0.8	1166	
	1.4	13900	0.95	1029	
	1.6	12000	1.1	889	
	1.8	10600	1.2	784	DA876 100L4A
	2.0	9400	1.4	695	DF876 100L4A
2.2	2.3	8420	1.55	619	
	2.5	7580	1.7	558	
	2.9	6640	1.95	489	
	2.0	9510	0.85	699	DA776 100L4A
	2.3	8270	0.95	609	DF776 100L4A
	1.9	9890	0.8	730	
	2.2	8500	0.95	629	
	2.5	7620	1.05	560	
	2.9	6630	1.2	490	
	3.3	5790	1.4	428	DA775 100L4A
	3.7	5190	1.55	381	DF775 100L4A
	4.4	4400	1.8	323	
	4.8	3960	2.0	291	
	5.5	3460	2.3	255	
	6.3	3030	2.6	223	



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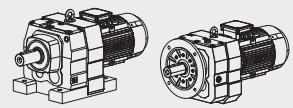
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
2.2	3.8	15800	0.8	369	DA675 100L4A DF675 100L4A
	4.4	13900	0.95	323	
	4.9	12000	1.1	285	
	5.6	10600	1.2	253	
	6.6	9400	1.4	214	
	4.3	8420	1.55	325	DA575 100L4A DF575 100L4A
	6.0	3170	0.95	234	
	6.8	2840	1.05	209	
	4.6	4540	0.95	203.16	DA673 112M6A DF673 112M6A
	5.4	3850	1.1	172.34	
2.2	5.9	3550	1.2	158.68	
	6.6	3170	0.35	141.83	
	5.6	3740	1.15	251.15	DA673 100L4A DF673 100L4A
	6.1	3430	1.25	229.95	
	6.9	3030	1.4	203.16	
	8.2	2570	1.65	172.34	
	8.9	2360	1.8	158.68	
	9.9	2110	2.0	141.83	
	11	1900	2.3	127.68	
	12	1720	2.5	115.63	
2.2	14	1530	2.8	102.53	DA573 100L4A DF573 100L4A
	15	1380	3.1	92.70	
	6.5	3220	0.95	216.28	
	7.6	2780	1.1	186.30	
	8.3	2530	1.2	170.02	
	9.4	2250	1.35	150.78	
	11	1890	1.6	126.75	
	12	1740	1.75	116.48	
	14	1540	1.95	103.44	
	15	1380	2.2	92.48	
2.2	17	1240	2.4	83.15	DA473 100L4A DF473100L4A
	20	1080	2.8	72.17	
	22	970	3.1	65.21	
	24	890	3.4	59.92	
	27	795	3.8	53.21	
	30	710	4.2	47.58	
	11	1860	0.85	124.97	
	12	1760	0.9	118.43	
	14	1540	1.0	103.65	
	15	1390	1.1	93.38	
2.2	17	1220	1.25	81.92	DA472 100L4A DF472 100L4A
	19	1080	1.45	72.57	
	22	950	1.65	63.68	
	23	900	1.7	60.35	
	27	785	1.95	52.82	
	30	710	2.2	47.58	
	34	620	2.5	41.74	
	38	550	2.8	36.84	
	43	485	3.2	32.66	
	41	515	2.9	34.40	
2.2	45	470	3.3	31.40	DA472 100L4A DF472 100L4A
	51	415	3.7	27.84	
	60	350	4.4	23.40	
	66	320	4.7	21.51	

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GEARED PERFORMANCE TABLES

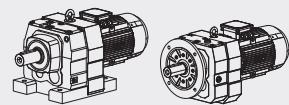


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
2.2	21	980	0.85	65.77	DA373 100L4A DF373 100L4A
	24	860	0.95	57.68	
	27	775	1.05	52.07	
	31	685	1.2	45.81	
	33	645	1.25	43.26	
	38	550	1.5	36.83	
	42	500	1.65	33.47	
	49	430	1.9	29.00	
	56	375	2.1	25.23	
	60	350	2.3	23.37	
2.2	66	320	2.6	21.43	DA372 100L4A DF372 100L4A
	75	280	2.8	18.80	
	79	265	2.9	17.82	
	90	230	3.2	15.60	
	100	210	3.4	14.05	
	35	595	1.0	39.88	
	38	560	1.0	37.50	
	44	480	1.1	32.27	
	49	430	1.2	28.83	
	60	350	1.6	23.44	
2.2	71	295	2.0	19.89	DA282 100L4A DF282 100L4A
	79	270	2.2	17.95	
	89	235	2.4	15.79	
	95	220	2.5	14.91	
	111	189	2.8	12.70	
	122	172	2.9	11.54	
	141	149	3.2	10.00	
	162	130	3.4	8.70	
	181	116	3.3	7.79	
	38	555	0.8	37.30	
2.2	40	525	0.85	35.07	DA273 100L4A DF273 100L4A
	47	450	1.0	30.18	
	52	400	1.1	26.97	
	64	325	1.4	21.93	
	76	275	1.6	18.60	
	84	250	1.8	16.79	
	95	220	2.0	14.77	
	101	210	2.1	13.95	
	119	177	2.3	11.88	
	131	161	2.4	10.79	
2.2	151	139	2.7	9.35	DA272 100L4A DF272 100L4A
	156	135	2.8	9.06	
	177	119	3.0	7.97	
	104	205	2.2	26.31	
	109	192	2.3	24.99	
	124	169	2.7	21.93	
	147	143	3.1	18.60	
	163	129	3.5	16.79	
	185	114	3.8	14.77	
	196	107	4.0	13.95	
2.2	73	285	1.05	19.27	DA202 100L4A DF202 100L4A
	87	240	1.15	16.22	
	97	215	1.2	14.56	
	112	187	1.35	12.54	



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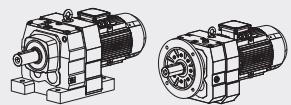
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
2.2	120	176	1.4	11.79	DA202 100L4A DF202 100L4A
	139	151	1.5	10.15	
	155	135	1.65	9.07	
	176	119	1.7	8.01	
	182	116	1.4	7.76	
	203	104	1.55	6.96	
	235	89	1.75	6.00	
	250	84	1.85	5.64	
	291	72	2.1	4.85	
	325	65	2.3	4.34	
2.2	368	57	2.5	3.83	DA202 90L2A DF202 90L2A
	117	179	1.7	23.28	
	125	168	1.8	21.81	
	142	148	2.0	19.27	
	153	138	2.1	17.89	
	168	125	2.2	16.22	
	187	112	2.4	14.56	
	218	97	2.6	12.54	
	231	91	2.7	11.79	
	269	78	2.9	10.15	
2.2	301	70	3.2	9.07	DA172 100L4A DF172 100L4A
	341	62	3.3	8.01	
	90	230	0.85	15.60	
	106	198	0.95	13.25	
	119	176	1.05	11.83	
	140	151	1.15	10.11	
	149	141	1.2	9.47	
	177	119	1.3	7.97	
	211	99	1.45	6.67	
	249	84	1.7	5.67	
2.2	279	75	1.8	5.06	DA172 90L2A DF172 90L2A
	326	64	1.95	4.32	
	348	60	2.0	4.05	
	414	51	2.2	3.41	
	141	149	1.35	19.31	
	151	139	1.45	18.05	
	175	120	1.65	15.60	
	206	102	1.85	13.25	
	231	91	2.0	11.83	
	270	78	2.2	10.11	
2.2	288	73	2.3	9.47	DA102 100L4A DF102 100L4A
	342	61	2.5	7.97	
	409	51	2.8	6.67	
	482	44	3.3	5.67	
	540	39	3.5	5.06	
	632	33	3.8	4.32	
	675	31	3.9	4.05	
	801	26	4.3	3.41	
	139	151	0.8	10.13	
	214	98	1.1	6.59	
2.2	252	83	1.2	5.60	DA102 90L2A DF102 90L2A
	282	75	1.3	5.00	
	330	64	1.35	4.27	
	353	60	1.45	4.00	
	418	50	1.55	3.37	
	206	102	1.25	13.28	
	230	91	1.4	11.86	
	270	78	1.55	10.13	

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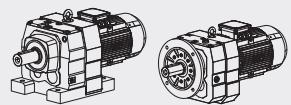


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
2.2	335	63	1.85	8.16	
	358	59	1.9	7.63	
	414	51	2.1	6.59	
	488	43	2.3	5.60	DA102 90L2A DF102 90L2A
	546	39	2.5	5.00	
	639	33	2.6	4.27	
	683	31	2.8	4.00	
3.0	1.2	20900	0.85	1123	
	1.4	18600	0.95	999	
	1.6	16000	1.1	861	DA976 100L4B DF976 100L4B
	1.8	14200	1.25	760	
	2.1	12100	1.5	656	
	2.8	9280	1.95	503	
	2.6	9880	1.3	533	
	3.0	8540	1.5	462	
	3.3	7940	1.65	426	DA876 100L4B DF876 100L4B
	3.8	6860	1.9	368	
	4.3	6070	2.1	326	
	5.0	5180	2.5	280	
	1.6	16600	0.8	889	
	1.8	14700	0.9	784	
3.0	2.0	13000	1.0	695	DA875 100L4B DF875 100L4B
	2.3	11600	1.1	619	
	2.5	10500	1.25	558	
	2.8	9160	0.85	490	
	3.3	7990	1.0	428	
	3.7	7150	1.1	381	DA776 100L4B DF776 100L4B
	4.3	6070	1.3	323	
	4.8	5460	1.45	291	
	5.5	4770	1.7	255	
	2.7	9870	0.8	517	DA775 100L4B DF775 100L4B
	3.1	8650	0.95	453	
	6.5	4010	1.05	214	DA675 100L4B DF675 100L4B
	7.5	3500	1.25	187	
	5.5	4870	0.9	256	
6.0	4.2	6780	1.2	222.60	
	5.0	5740	1.4	188.45	
	5.4	5320	1.5	174.40	
	6.0	4760	1.7	156.31	DA773 132S6A DF773 132S6A
	6.7	4300	1.85	141.12	
	7.3	3910	2.0	128.18	
	8.3	3470	2.3	113.72	
	9.1	3150	2.5	103.20	
	5.9	4840	0.9	158.68	DA673 132S6A DF673 132S6A
	6.6	4320	1.0	141.83	
	7.4	3890	1.1	127.68	
	6.1	4710	0.9	229.95	
	6.9	4160	1.5	203.16	
	8.1	3530	1.2	172.34	
11	8.8	3250	1.3	158.68	
	9.9	2900	1.5	141.83	DA673 100L4B DF673 100L4B
	11	2610	1.65	127.68	
	12	2370	1.8	115.63	
	14	2100	2.0	102.53	
	15	1900	2.3	92.70	
	18	1610	2.7	78.57	
	19	1490	2.9	72.88	
	9.3	3090	0.95	150.78	DA573 100L4B DF573 100L4B
	11	2590	1.15	126.75	



GÜC DEVİR TABLOLARI

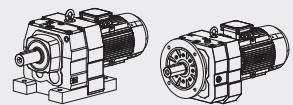
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
3.0	12	2380	1.25	116.48	
	14	2120	1.4	103.44	
	15	1890	1.6	92.48	
	17	1700	1.75	83.15	
	19	1480	2.0	72.17	DA573 100L4B
	21	1330	2.2	65.21	DF573 100L4B
	23	1230	2.5	59.92	
	26	1090	2.8	53.21	
	29	970	3.1	47.58	
	33	880	3.4	42.78	
3.0	38	760	4.0	37.13	
	42	680	4.2	33.25	
	15	1910	0.8	93.38	
	17	1680	0.9	81.92	
	19	1490	1.05	72.57	
	22	1300	1.2	63.68	DA473 100L4B
	23	1230	1.25	60.35	DF473 100L4B
	27	1080	1.45	52.82	
	29	970	1.6	47.58	
	34	850	1.8	41.74	
3.0	38	755	2.1	36.84	
	43	670	2.3	32.66	
	50	570	2.6	27.88	
	60	480	3.2	23.40	
	65	440	3.4	21.51	DA472 100L4B
	73	390	3.7	19.10	DF472 100L4B
	82	350	4.0	17.08	
	91	315	4.3	15.35	
	31	940	0.85	45.81	
	32	890	0.95	43.26	DA373 100L4B
3.0	38	755	1.1	36.83	DF373 100L4B
	42	685	1.2	33.47	
	48	595	1.4	29.00	
	55	515	1.5	25.23	
	60	480	1.7	23.37	
	65	440	1.85	21.43	
	74	385	2.0	18.80	
	79	365	2.1	17.82	
	90	320	2.3	15.60	
	100	290	2.5	14.05	DA372 100L4B
3.0	114	250	2.7	12.33	DF372 100L4B
	129	225	3.0	10.88	
	145	197	3.2	9.64	
	163	176	3.6	8.59	
	181	158	3.8	7.74	
	206	139	4.2	6.79	
	60	480	1.15	23.44	
	70	405	1.45	19.89	
	78	365	1.6	17.95	
	89	325	1.75	15.79	DA282 100L4B
3.0	94	305	1.8	14.91	DF282 100L4B
	110	260	2.0	12.70	
	121	235	2.1	11.54	
	140	205	2.3	10.00	
	52	550	0.8	26.97	
	64	450	1.0	21.93	DA272 100L4B
	75	380	1.2	18.60	DF272 100L4B
	83	345	1.3	16.79	
	95	300	1.45	14.77	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

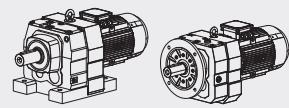


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
3.0	100	285	1.5	13.95	DA272 100L4B DF272 100L4B
	118	245	1.65	11.88	
	130	220	1.75	10.79	
	150	191	1.95	9.35	
	155	185	2.0	9.06	
	176	163	2.2	7.97	
	186	154	2.3	7.53	
	218	131	2.6	6.41	
	240	119	2.7	5.82	
	277	103	3.0	5.05	
3.0	319	90	3.1	4.39	DA272 100L2A DF272 100L2A
	128	225	2.0	21.93	
	151	190	2.4	18.60	
	167	172	2.6	16.79	
	190	151	2.9	14.77	
	201	143	3.0	13.95	
	236	122	3.3	11.88	
3.0	259	110	3.5	10.79	DA203 100L4B DF203 100L4B
	86	330	0.85	16.22	
	96	300	0.9	14.56	
	112	255	0.95	12.54	
	119	240	1.0	11.79	
	138	210	1.1	10.15	
	154	186	1.2	9.07	
3.0	175	164	1.25	8.01	DA202 100L4B DF202 100L4B
	181	159	1.05	7.76	
	201	143	1.1	6.96	
	233	123	1.25	6.00	
	248	115	1.35	5.64	
	288	99	1.5	4.85	
	323	89	1.65	4.34	
3.0	365	78	1.85	3.83	DA202 100L2A DF202 100L2A
	237	121	2.0	11.79	
	276	104	2.2	10.15	
	309	93	2.4	9.07	
	349	82	2.5	8.01	
	361	79	2.1	7.76	
	402	71	2.2	6.96	
3.0	467	61	2.5	6.00	DA172 100L4B DF172 100L4B
	496	58	2.7	5.64	
	577	50	3.0	4.85	
	646	44	3.3	4.34	
	731	39	3.7	3.83	
	139	205	0.8	10.11	
	148	194	0.85	9.47	
3.0	176	163	0.95	7.97	DA172 100L2A DF172 100L2A
	210	137	1.05	6.67	
	247	116	1.25	5.67	
	277	104	1.3	5.06	
	324	88	1.45	4.05	
	346	83	1.45	3.41	
	411	70	1.6	4.85	
3.0	277	103	1.65	10.11	DA172 100L2A DF172 100L2A
	296	97	1.7	9.47	
	351	82	1.9	7.97	
	420	68	2.1	6.67	
	494	58	2.5	5.67	
	553	52	2.6	5.06	



GÜÇ DEVİR TABLOLARI

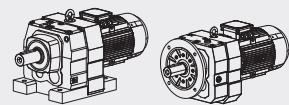
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
3.0	648	44	2.8	4.05	DA172 100L2A DF172 100L2A
	692	41	3.0	3.41	
	821	35	3.2	4.85	
	250	115	0.85	5.60	DA102 100L4B DF102 100L4B
	280	102	0.95	5.00	
	328	87	1.0	4.27	
	350	82	1.05	4.00	
	415	69	1.15	3.37	
	425	67	1.55	6.59	DA102 100L2A DF102 100L2A
	500	57	1.75	5.60	
	560	51	1.85	5.00	
	656	44	2.0	4.27	
	700	41	2.1	4.00	
	831	35	2.3	3.37	
4.0	1.6	21200	0.85	861	DA976 100L4B DF976 100L4B
	1.9	18700	0.95	760	
	2.2	16000	1.10	656	
	2.8	12300	1.45	503	
	3.8	9190	1.95	376	
	4.2	8180	2.20	335	
	2.7	13100	1.00	533	DA876 100L4B DF876 100L4B
	3.1	11300	1.15	462	
	3.3	10500	1.25	426	
	3.8	9060	1.45	368	
	4.4	8010	1.60	326	
	5.1	6850	1.90	280	
	5.7	6050	2.2	247	
	6.7	5220	2.5	214	
	7.5	4620	2.8	189	
	8.9	3880	3.3	159	
4.0	2.3	15300	0.85	619	DA875 100L4B DF875 100L4B
	2.5	13800	0.95	558	
	2.9	12100	1.1	489	
	3.4	10200	1.25	415	
	3.7	9430	0.85	381	DA776 100L4B DF776 100L4B
	4.4	8000	1.00	323	
	4.9	7200	1.10	291	
	5.6	6290	1.25	255	
	6.3	5520	1.45	223	
	3.8	9440	0.85	376	
	4.2	8500	0.95	339	
	4.8	7450	1.05	297	
4.0	7.6	4620	0.95	187	DA675 112M4A DF675 112M4A
	7.3	4640	0.90	193	
	8.2	4330	1.0	172	
	4.3	8860	0.90	222.60	DA873 132M6B DF873 132M6B
	5.1	7500	1.05	188.45	
	5.5	6940	1.15	174.40	
	6.1	6220	1.30	156.31	
	6.5	5620	1.40	141.12	
	7.5	5100	1.55	128.18	
	8.4	4520	1.75	113.72	
	9.3	4110	1.95	103.20	
	11	3530	2.30	88.70	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

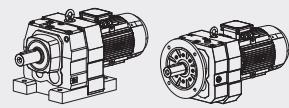


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
4.0	8.2	4640	0.95	172.34	
	8.9	4270	1.0	158.68	
	10	3820	1.15	141.83	
	11	3430	1.25	127.68	
	12	3110	1.4	115.63	
	14	2760	1.55	102.53	DA673 112M4A
	15	2490	1.7	92.70	DF673 112M4A
	18	2110	2.0	78.57	
	19	1960	2.2	72.88	
	22	1760	2.4	65.60	
4.0	24	1600	2.7	59.41	
	27	1420	3.0	52.68	
	12	3130	0.95	116.48	
	14	2780	1.1	103.44	
	15	2490	1.2	92.48	
	17	2240	1.35	83.15	
	20	1940	1.55	72.17	DA573 112M4A
	22	1750	1.7	65.21	DF573 112M4A
	24	1610	1.85	59.92	
	27	1430	2.1	53.21	
4.0	30	1280	2.3	47.58	
	33	1150	2.6	42.78	
	38	1000	3.0	37.13	
	43	890	3.2	33.25	
	44	860	3.0	32.05	
	52	730	3.5	27.19	
	57	675	4.2	25.03	DA572 112M4A
	63	600	4.5	22.37	DF572 112M4A
	71	540	4.8	20.14	
	22	1710	0.9	63.68	
4.0	24	1620	0.95	60.35	
	27	1420	1.1	52.82	
	30	1280	1.2	47.58	DA473 112M4A
	34	1120	1.4	41.74	DF473 112M4A
	39	990	1.55	36.84	
	43	880	1.75	32.66	
	51	750	2.0	27.88	
	41	930	1.6	34.40	
	45	840	1.85	31.40	
	51	750	2.1	27.84	
4.0	61	630	2.5	23.40	
	66	580	2.6	21.51	
	74	515	2.8	19.10	DA472 112M4A
	83	460	3.0	17.08	DF472 112M4A
	92	415	3.2	15.35	
	107	360	3.6	13.33	
	119	320	3.8	11.93	
	39	990	0.85	36.83	
	42	900	0.9	33.47	DA373 112M4A
	49	780	1.05	29.00	DF373 112M4A
4.0	56	680	1.15	25.23	
	61	630	1.3	23.37	
	66	575	1.4	21.43	
	76	505	1.55	18.80	
	80	480	1.65	17.82	DA372 112M4A
	91	420	1.75	15.60	DF372 112M4A
	101	380	1.9	14.05	
	115	330	2.1	12.33	



GÜÇ DEVİR TABLOLARI

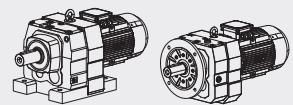
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
4.0	131	295	2.3	10.88	
	147	260	2.4	9.64	
	165	230	2.7	8.59	
	183	210	2.9	7.74	
	209	183	3.2	6.79	
	237	161	3.3	5.99	
	267	143	3.6	5.31	
	71	535	1.1	19.89	
	79	485	1.2	17.95	
	90	425	1.3	15.79	
	95	400	1.35	14.91	
	112	340	1.5	12.70	
	123	310	1.6	11.54	
	142	270	1.75	10.00	DA282 112M4A
	163	235	1.9	8.70	DF282 112M4A
4.0	182	210	1.8	7.79	
	193	198	1.85	7.36	
	227	169	1.95	6.27	
	249	153	2.0	5.70	
	288	133	2.2	4.93	
	331	116	2.3	4.29	
	76	500	0.9	18.60	
	85	450	1.0	16.79	
	96	395	1.1	14.77	
	102	375	1.15	13.95	
	120	320	1.25	11.88	
	132	290	1.35	10.79	
	152	250	1.45	9.35	DA272 112M4A
	157	245	1.55	9.06	DF272 112M4A
4.0	178	215	1.65	7.97	
	189	205	1.75	7.53	
	222	172	1.95	6.41	
	244	157	2.0	5.82	
	281	136	2.2	5.05	
	323	118	2.4	4.39	
	140	275	0.85	10.15	
	157	245	0.9	9.07	
	177	215	0.95	8.01	
	204	187	0.85	6.96	
	237	161	0.95	6.00	DA202 112M4A
	252	152	1.0	5.64	DF202 112M4A
	293	131	1.15	4.85	
	327	117	1.25	4.34	
	371	103	1.4	3.83	
4.0	176	215	1.25	16.22	
	196	195	1.35	14.56	
	228	168	1.5	12.54	
	242	158	1.55	11.79	
	282	136	1.7	10.15	
	315	121	1.8	9.07	
	357	107	1.9	8.01	DA202 112M2A
	369	104	1.55	7.76	DF202 112M2A
	411	93	1.7	6.96	
	477	80	1.95	6.00	
	507	75	2.1	5.64	
	589	65	2.3	4.85	
	660	58	2.5	4.34	
	746	51	2.8	3.83	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

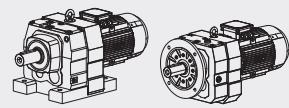


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
5.5	2.2	22000	0.8	656	
	2.5	19300	0.95	579	
	2.8	16900	1.05	503	
	3.3	14400	1.25	432	DA976 132S4A
	3.8	12600	1.45	376	DF976 132S4A
	4.3	11200	1.6	335	
	4.7	10100	1.8	303	
	5.1	9310	1.95	279	
	3.1	15500	0.85	462	
	3.3	14400	0.9	426	
5.5	3.9	12400	1.05	368	
	4.4	11000	1.2	326	DA876 132S4A
	5.1	9410	1.4	280	DF876 132S4A
	5.8	8300	1.55	247	
	6.7	7170	1.8	214	
	7.6	6340	2.0	189	
	5.9	8930	1.45	163.57	
	6.5	8040	1.6	147.14	
	8.0	6560	2.0	120.14	DA873 132M6C
	8.8	5980	2.2	109.48	DF873 132M6C
5.5	10	5180	2.5	94.75	
	12	4570	2.8	83.60	
	5.5	9540	0.85	174.40	
	6.1	8550	0.95	156.31	
	6.8	7720	1.05	141.12	DA773 132M6C
	7.5	7010	1.15	128.18	DF773 132M6C
	8.4	6220	1.3	113.72	
	9.3	5650	1.4	103.20	
	6.4	8180	1.0	222.60	
	7.6	6920	1.15	188.45	
5.5	8.2	6410	1.25	174.40	
	9.1	5740	1.4	156.31	
	10	5180	1.55	141.12	
	11	4710	1.7	128.18	
	13	4180	1.9	113.72	DA773 132S4A
	14	3790	2.1	103.20	DF773 132S4A
	16	3260	2.5	88.70	
	18	2970	2.7	80.91	
	19	2700	3.0	73.49	
	22	2390	3.3	65.20	
5.5	24	2170	3.7	59.17	
	28	1870	4.3	50.86	
	11	4690	0.9	127.68	
	12	4250	1.0	115.63	
	14	3770	1.15	102.53	
	15	3400	1.25	92.70	
	18	2890	1.5	78.57	DA673 132S4A
	20	2680	1.6	72.88	DF673 132S4A
	22	2410	1.8	65.60	
	24	2180	1.95	59.41	
5.5	27	1930	2.2	52.68	
	30	1750	2.5	47.63	
	35	1480	2.9	40.37	
	17	3050	1.0	83.15	DA573 132S4A
	20	2650	1.15	72.17	DF573 132S4A
	22	2390	1.25	65.21	



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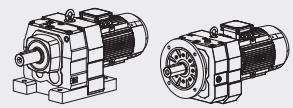
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
5.5	24	2200	1.35	59.92	DA573 132S4A DF573 132S4A
	27	1950	1.55	53.21	
	30	1750	1.7	47.58	DA573 132S4A DF573 132S4A
	33	1570	1.9	42.78	
	39	1360	2.2	37.13	DA572 132S4A DF572 132S4A
	43	1220	2.4	33.25	
	52	1010	2.6	27.58	DA572 132S4A DF572 132S4A
	45	1180	2.2	32.05	
	53	1000	2.6	27.19	
	57	920	3.1	25.03	
5.5	64	820	3.3	22.37	DA473 132S4A DF473 132S4A
	71	740	3.5	20.14	
	78	670	3.7	18.24	DA473 132S4A DF473 132S4A
	88	595	4.0	16.17	
	30	1750	0.9	47.58	DA472 132S4A DF472 132S4A
	34	1530	1.0	41.74	
	39	1350	1.15	36.84	
	44	1200	1.3	32.66	
	51	1020	1.45	27.88	
	51	1020	1.5	27.84	
5.5	61	860	1.8	23.40	DA472 132S4A DF472 132S4A
	66	790	1.9	21.51	
	75	700	2.0	19.10	DA372 132S4A DF372 132S4A
	84	625	2.2	17.08	
	93	565	2.4	15.35	
	107	490	2.6	13.33	
	120	440	2.8	11.93	
	144	365	3.2	9.90	
	156	335	3.6	9.14	
	174	300	3.8	8.22	
5.5	200	260	4.1	7.13	DA372 132S4A DF372 132S4A
	76	690	1.15	18.80	
	80	655	1.2	17.82	DA282 132S4A DF282 132S4A
	92	575	1.3	15.60	
	102	515	1.4	14.05	
	116	455	1.5	12.33	
	131	400	1.65	10.88	
	148	355	1.8	9.64	
	166	315	2.0	8.59	
	185	285	2.2	7.74	
5.5	211	250	2.3	6.79	DA282 132S4A DF282 132S4A
	239	220	2.5	5.99	
	269	195	2.6	5.31	
	91	580	0.95	15.79	DA282 132S4A DF282 132S4A
	96	550	1.0	14.91	
	113	465	1.1	12.70	
	124	425	1.2	11.54	
	143	365	1.3	10.00	
	164	320	1.4	8.70	
	183	285	1.35	7.79	
5.5	194	270	1.35	7.36	DA282 132S4A DF282 132S4A
	228	230	1.45	6.27	
	251	210	1.5	5.70	
	290	181	1.6	4.93	
	333	158	1.7	4.29	

GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

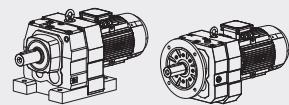


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
5.5	331	159	2.8	8.70	DA282 132S2A DF282 132S2A
	369	142	2.7	7.79	
	391	134	2.8	7.36	
	460	114	2.9	6.27	
	506	104	3.0	5.70	
	584	90	3.2	4.93	
	671	78	3.5	4.29	
	97	545	0.8	14.77	DA272 132S4A DF272 132S4A
	103	510	0.85	13.95	
	120	435	0.95	11.88	
7.5	132	395	1.0	10.79	
	153	345	1.1	9.35	
	179	295	1.2	7.97	
	190	275	1.25	7.53	
	223	235	1.4	6.41	
	246	215	1.5	5.82	
	283	185	1.65	5.05	
	326	161	1.75	4.39	
	308	171	2.2	9.35	DA272 132S2A DF272 132S2A
	361	145	2.4	7.97	
10	383	137	2.5	7.53	
	449	117	2.9	6.41	
	494	106	3.0	5.82	
	571	92	3.3	5.05	
	656	80	3.5	4.39	
	295	178	0.85	4.85	DA202 132S4A DF202 132S4A
	330	159	0.9	4.34	
	373	141	1.0	3.83	
15	230	230	1.1	12.54	DA202 132S2A DF202 132S2A
	244	215	1.15	11.79	
	284	185	1.25	10.15	
	318	165	1.35	9.07	
	359	146	1.4	8.01	
	480	109	1.45	6.00	
	511	103	1.5	5.64	
	593	89	1.7	4.85	
	664	79	1.85	4.34	
	752	70	2.1	3.83	
22	2.8	23100	0.8	503	DA 976 132M4B DF 976 132M4B
	3.3	19800	0.9	432	
	3.8	17300	1.05	376	
	4.3	15400	1.15	335	
	4.7	13900	1.3	303	
	5.1	12800	1.4	279	
	4.4	15000	0.85	326	
	5.1	12900	1.0	280	
	5.8	11400	1.15	247	DA 876 132M4B DF 876 132M4B
	6.7	9810	1.3	214	
30	7.6	8680	1.5	189	
	9.0	7290	1.8	159	
	4.2	17100	1.05	229.71	DA973 160M6A DF973 160M6A
	5.1	13900	1.3	186.93	
	6.3	11400	1.6	153.07	



GÜC DEVİR TABLOLARI

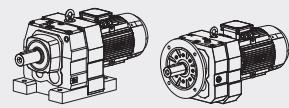
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
7.5	6.9	10400	1.7	139.98	DA973 160M6A DF973 160M6A
	7.9	9090	2.0	121.81	
	8.9	8020	2.2	107.49	DA873 160M6A DF873 160M6A
	10	6950	2.6	93.19	
	12	6190	2.9	82.91	DA773 132M4B DF773 132M4B
	13	5500	3.3	73.70	
	14	5030	3.6	67.40	
	5.9	12200	1.05	163.57	DA873 160M6A DF873 160M6A
	6.5	11000	1.2	147.14	
	8.0	8940	1.45	120.04	DA773 132M4B DF773 132M4B
	8.8	8150	1.6	109.48	
	10	7060	1.85	94.75	DA673 132M4B DF673 132M4B
	12	6230	2.1	83.60	
	7.6	9440	0.85	188.45	DA672 132M4B DF672 132M4B
	8.2	8730	0.9	174.40	
	9.1	7830	1.0	156.31	DA573 132M4B DF573 132M4B
	10	7070	1.15	141.12	
	11	6420	1.25	128.18	DA572 132M4B DF572 132M4B
	13	5700	1.4	113.72	
	14	5170	1.55	103.20	DA473 132M4B DF473 132M4B
	16	4440	1.8	88.70	
	18	4050	1.95	80.91	DA472 132M4B DF472 132M4B
	19	3680	2.2	73.49	
	22	3270	2.5	65.20	DA373 132M4B DF373 132M4B
	24	2960	2.7	59.17	
	28	2550	3.1	50.86	DA372 132M4B DF372 132M4B
	15	4640	0.95	92.70	
	18	3940	1.1	78.57	DA372 132M4B DF372 132M4B
	20	3650	1.2	72.88	
	22	3290	1.3	65.60	DA372 132M4B DF372 132M4B
	24	2980	1.45	59.41	
	27	2640	1.65	52.68	
	30	2390	1.8	47.63	DA372 132M4B DF372 132M4B
	35	2020	2.1	40.37	
	41	1770	2.4	35.26	DA372 132M4B DF372 132M4B
	48	1480	2.9	29.49	
	46	1540	2.8	30.77	DA372 132M4B DF372 132M4B
	52	1380	3.1	27.58	
	57	1250	3.5	24.90	DA372 132M4B DF372 132M4B
	63	1130	3.8	22.62	
	24	3000	1.0	59.92	DA372 132M4B DF372 132M4B
	27	2670	1.15	53.21	
	30	2380	1.25	47.58	DA372 132M4B DF372 132M4B
	33	2140	1.4	42.78	
	39	1860	1.6	37.13	DA372 132M4B DF372 132M4B
	43	1670	1.75	33.25	
	52	1380	1.95	27.58	DA372 132M4B DF372 132M4B
	45	1610	1.6	32.05	
	53	1360	1.9	27.19	DA372 132M4B DF372 132M4B
	57	1250	2.3	25.03	
	64	1120	2.4	22.37	DA372 132M4B DF372 132M4B
	71	1010	2.6	20.14	
	78	910	2.7	18.24	DA372 132M4B DF372 132M4B
	39	1840	0.85	36.84	
	44	1640	0.95	32.66	DA372 132M4B DF372 132M4B
	51	1400	1.05	27.88	

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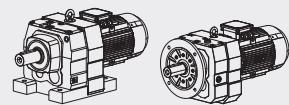


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
7.5	51	1390	1.1	27.84	
	61	1170	1.3	23.40	
	66	1080	1.4	21.51	
	75	960	1.5	19.10	
	84	860	1.65	17.08	
	93	770	1.75	15.35	
	107	670	1.9	13.33	DA472 132M4B
	120	600	2.1	11.93	DF472 132M4B
	144	495	2.4	9.90	
	156	460	2.6	9.14	
11	174	410	2.8	8.22	
	200	355	3.0	7.13	
	224	320	3.2	6.39	
	270	265	3.4	5.30	
	76	940	0.85	18.80	
	80	890	0.85	17.82	
	92	780	0.95	15.60	
	102	705	1.0	14.05	
	116	615	1.1	12.33	
	131	545	1.2	10.88	DA372 132M4B
17.5	148	485	1.3	9.64	DF372 132M4B
	166	430	1.45	8.59	
	185	390	1.55	7.74	
	211	340	1.7	6.79	
	239	300	1.8	5.99	
	269	265	1.9	5.31	
	113	635	0.8	12.70	
	124	580	0.85	11.54	
	143	500	0.95	10.00	
	164	435	1.0	8.70	
22	183	390	0.95	7.79	DA282 132M4B
	194	370	1.0	7.36	DF282 132M4B
	228	315	1.05	6.27	
	251	285	1.1	5.70	
	290	245	1.15	4.93	
	333	215	1.25	4.29	
	179	400	0.9	7.97	
	190	375	0.95	7.53	
	223	320	1.05	6.41	DA272 132M4B
	246	290	1.1	5.82	DF272 132M4B
37.5	283	255	1.2	5.05	
	326	220	1.25	4.39	
	196	365	1.2	14.77	
	208	345	1.25	13.95	
	244	295	1.4	11.88	
	269	265	1.45	10.79	
	310	230	1.6	9.35	
	364	197	1.8	7.97	DA272 132S2B
	385	186	1.9	7.53	DF272 132S2B
	452	158	2.1	6.41	
55	498	144	2.2	5.82	
	575	125	2.5	5.05	
	660	108	2.6	4.39	
	4.9	19600	0.9	295	
70	5.3	18100	1.0	270	
	6.3	15300	1.2	229	DA975 160M4A
	7.2	13400	1.35	200	DF975 160M4A



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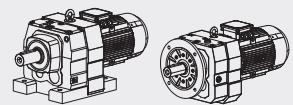
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
	8.5	11300	1.6	169	DA975 160M4A
	5.0	19800	0.9	291	DF975 160M4A
	4.3	22500	0.8	335	DA975 160M4A
	4.8	20300	0.9	303	DF975 160M4A
	5.2	18700	0.95	279	
	5.8	16600	0.8	247	
	6.7	14300	0.9	214	DA875 160M4A
	7.6	12700	1.05	189	DF875 160M4A
	9.1	10700	1.2	159	
	5.1	20500	0.9	186.93	
	6.3	16700	1.05	153.07	DA973 160L6B
	6.9	15300	1.2	139.98	DF973 160L6B
	7.9	13300	1.35	121.81	
	6.3	16800	1.05	229.71	
	7.7	13600	1.3	186.93	
	9.4	11200	1.6	153.07	
	10	10200	1.75	139.98	DA973 160M4A
	12	8890	2.0	121.81	DF973 160M4A
	13	7840	2.3	107.49	
	15	6800	2.7	93.19	
	17	6050	3.0	82.91	
	6.5	16100	0.8	147.14	
	8.0	13100	1.0	120.04	DA873 160L6B
	8.8	12000	1.1	109.48	DF873 160L6B
	10	10400	1.25	94.75	
11	8.8	11900	1.1	163.57	
	9.8	10700	1.2	147.14	
	12	8740	1.5	120.04	
	13	7970	1.65	109.48	
	15	6900	1.9	94.75	DA873 160M4A
	17	6090	2.1	83.60	DF873 160M4A
	20	5260	2.5	72.20	
	22	4890	2.7	67.09	
	24	4460	2.9	61.19	
	27	3860	3.4	52.96	
	10	10300	0.8	141.12	
	11	9350	0.85	128.18	
	13	8300	0.95	113.72	
	14	7530	1.05	103.20	
	16	6470	1.25	88.70	
	18	5900	1.35	80.91	
	20	4360	1.5	73.49	DA773 160M4A
	22	4760	1.7	65.20	DF773 160M4A
	24	4320	1.85	59.17	
	28	3710	2.2	50.86	
	32	3240	2.5	44.39	
	38	2750	2.9	37.65	
	44	2400	3.3	32.91	
	22	4790	0.9	65.60	
	24	4330	1.0	59.41	
	27	3840	1.1	52.68	
	30	3470	1.25	47.63	DA673 160M4A
	36	2940	1.45	40.37	DF673 160M4A
	41	2570	1.65	35.26	
	49	2150	2.0	29.49	

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GEARED PERFORMANCE TABLES

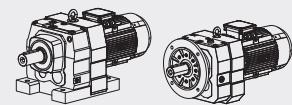


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
11	47	2240	1.9	30.77	
	52	2010	2.1	27.58	
	58	1820	2.4	24.90	DA672 160M4A
	64	1650	2.6	22.62	DF672 160M4A
	72	1460	2.9	20.07	
	79	1330	3.2	18.21	
	34	3120	0.95	42.78	
	39	2710	1.1	37.13	DA573 160M4A
	43	2430	1.2	33.25	DF573 160M4A
	52	2010	1.35	27.58	
	58	1830	1.55	25.03	
	64	1630	1.65	22.37	
	71	1470	1.8	20.14	
	79	1330	1.9	18.24	
	89	1180	2.0	16.17	
	98	1070	2.2	14.62	DA572 160M4A
	116	900	2.4	12.39	DF572 160M4A
	133	790	2.7	10.83	
	155	675	3.0	9.29	
	172	610	3.3	8.39	
15	202	520	3.8	7.12	
	232	455	4.2	6.21	
	67	1570	0.95	21.51	
	75	1390	1.05	19.10	
	84	1250	1.1	17.08	
	94	1120	1.2	15.35	
	108	970	1.3	13.33	
	121	870	1.4	11.93	DA472 160M4A
	145	720	1.65	9.90	DF472 160M4A
	158	665	1.8	9.14	
	175	600	1.95	8.22	
	202	520	2.1	7.13	
	225	465	2.2	6.39	
	272	385	2.3	5.30	
	132	795	0.85	10.88	
	149	705	0.9	9.64	
	186	565	1.1	7.74	DA372 160M4A
	212	495	1.15	6.79	DF372 160M4A
	240	435	1.25	5.99	
	271	390	1.3	5.31	
15	6.4	20700	0.8	229	
	7.3	18100	1.0	200	
	8.6	15200	1.2	169	DA975 160L4B
	6.4	20800	0.85	227	DF975 160L4B
	7.4	18100	1.0	198	
	6.3	20700	0.8	153.07	
	6.9	18100	1.0	139.98	DA973 180L6A
	8.0	15200	1.2	121.81	DF973 180L6A
	9.0	20800	0.85	107.49	
	6.4	22500	0.8	229.71	
	7.8	18300	1.0	186.93	
	9.5	15000	1.2	153.07	
	10	13700	1.3	139.98	
	12	12000	1.5	121.81	DA973 160L4B
	14	10500	1.7	107.49	DF973 160L4B
	16	9140	1.95	93.19	
	18	8130	2.2	82.91	
	20	7230	2.5	73.70	
	22	6610	2.7	67.40	



GÜC DEVİR TABLOLARI

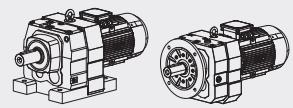
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
15	8.9	16100	0.8	109.48	DA873 180L6A DF873 180L6A
	10	14000	0.95	94.75	
	12	12300	1.05	83.60	DA873 160L4B DF873 160L4B
	13	10600	1.2	72.20	
	14	9860	1.3	67.09	DA873 160L4B DF873 160L4B
	8.9	16000	1.8	163.57	
	9.9	14400	0.9	147.14	
	12	11800	1.1	120.04	
	13	10700	1.2	109.48	
	15	9280	1.4	94.75	
15	17	8190	1.6	83.60	DA773 160L4B DF773 160L4B
	20	7070	1.85	72.20	
	22	6570	2.0	67.09	DA773 160L4B DF773 160L4B
	24	5990	2.2	61.19	
	28	5190	2.5	52.96	
	31	4580	2.8	46.73	
	14	10100	0.8	103.20	
	16	8700	0.9	88.70	
	18	7940	1.0	80.91	
	20	7210	1.1	73.49	
15	22	6400	1.25	65.20	DA673 160L4B DF673 160L4B
	25	5800	1.4	59.17	
	29	4990	1.6	50.86	DA673 160L4B DF673 160L4B
	33	4360	1.85	44.39	
	39	3690	2.2	37.65	
	44	3230	2.5	32.91	
	52	2730	2.8	27.83	
	31	4670	0.9	47.63	DA673 160L4B DF673 160L4B
	36	3960	1.1	40.37	
15	41	3460	1.25	35.26	DA672 160L4B DF672 160L4B
	50	2890	1.5	29.49	
	47	3020	1.4	30.77	DA672 160L4B DF672 160L4B
	53	2710	1.6	27.58	
	59	2440	1.75	24.90	
	65	2220	1.95	22.62	
	73	1970	2.2	20.07	
	80	1790	2.4	18.21	
15	93	1540	2.8	15.65	DA572 160L4B DF572 160L4B
	107	1340	3.2	13.66	
	53	2710	1.0	27.19	DA572 160L4B DF572 160L4B
	58	2460	1.15	25.03	
	65	2200	1.25	22.37	
	72	1980	1.3	20.14	
	80	1790	1.4	18.24	
	90	1590	1.5	16.17	
15	100	1430	1.6	14.62	DA472 160L4B DF472 160L4B
	118	1220	1.8	12.39	
	135	1060	1.95	10.83	DA472 160L4B DF472 160L4B
	157	910	2.2	9.29	
	174	820	2.5	8.39	
	205	700	2.9	7.12	
	235	610	3.1	6.21	
	85	1680	0.85	17.08	DA472 160L4B DF472 160L4B
	95	1510	0.9	15.35	
	110	1310	1.0	13.33	
	122	1170	1.05	11.93	
	147	970	1.2	9.90	
	160	900	1.35	9.14	
	178	810	1.45	8.22	

GÜC DEVİR TABLOLARI

GEARED PERFORMANCE TABLES

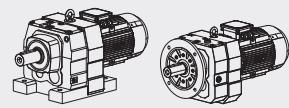


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}	
18.5	7.8	22500	0.8	186.93	DA973 180M4A DF973 180M4A
	9.6	18500	1.0	153.07	
	10	16900	1.05	139.98	
	12	14700	1.25	121.81	
	14	13000	1.4	107.49	
	16	11200	1.6	93.19	
	18	10000	1.8	82.91	
	20	8890	2.0	73.70	
	22	8130	2.2	67.40	
	25	7070	2.5	58.65	
	12	14500	0.9	120.04	DA873 180M4A DF873 180M4A
	13	13200	1.0	109.48	
	15	11400	1.15	94.75	
	18	10100	1.3	83.60	
	20	8690	1.5	72.20	
	22	8080	1.6	67.09	
	24	7370	1.75	61.19	
	28	6380	2.0	52.96	
	31	5630	2.3	46.73	
	36	4860	2.7	40.35	
	18	9760	0.8	80.91	DA773 180M4A DF773 180M4A
	20	8860	0.9	73.49	
	22	7860	1.0	65.20	
	25	7140	1.1	59.17	
	29	6130	1.3	50.86	
	33	5350	1.5	44.39	
	39	4540	1.75	37.65	
	45	3970	2.0	32.91	
	53	3360	2.3	27.83	
	50	3570	2.2	29.57	
	61	2910	2.8	24.12	DA772 180M4A DF772 180M4A
	67	2650	3.0	22.00	
	77	2300	3.5	19.04	
	87	2030	4.0	16.80	
	36	4870	0.9	40.37	
	42	4250	1.0	35.26	
	50	3560	1.2	29.49	
	59	3000	1.45	24.90	
	65	2730	1.6	22.62	
	73	2420	1.8	20.07	
	80	2200	1.95	18.21	DA672 180M4A DF672 180M4A
	94	1890	2.3	15.65	
	107	1650	2.6	13.66	
	126	1400	3.1	11.59	
	145	1220	3.5	10.13	
	186	950	3.1	7.86	
	220	800	3.7	6.66	
	73	2430	1.05	20.14	
	80	2200	1.15	18.24	
	91	1950	1.25	16.17	
	100	1760	1.3	14.62	DA572 180M4A DF572 180M4A
	118	1490	1.45	12.39	
	135	1310	1.6	10.83	
	158	1120	1.8	9.29	
	175	1010	2.0	8.39	
	206	860	2.3	7.12	
	236	750	2.5	6.21	
	282	625	2.8	5.20	
	326	545	3.0	4.50	



GÜÇ DEVİR TABLOLARI

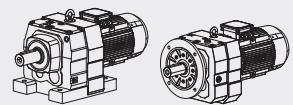
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
18.5	110	1610	0.8	13.33	
	123	1440	0.85	11.93	
	148	1190	1.0	9.90	
	160	1100	1.1	9.14	
	178	990	1.15	8.22	DA472 180M4A DF472 180M4A
	205	860	1.25	7.13	
	229	770	1.3	6.39	
	276	640	1.4	5.30	
22	9.6	22000	0.8	153.07	
	10	20100	0.9	139.98	
	12	17500	1.05	121.81	
	14	15400	1.15	107.49	
	16	13400	1.35	93.19	
	18	11900	1.5	82.91	DA973 180L4B DF 973 180L4B
	20	10600	1.7	73.70	
	22	9670	1.85	67.40	
	25	8410	2.1	58.65	
	28	7420	2.4	51.76	
	33	6430	2.8	44.87	
	13	15700	0.85	109.48	
	15	13600	0.95	94.75	
	18	12000	1.1	83.60	
	20	10300	1.25	72.20	
22	22	9610	1.35	67.09	
	24	8760	1.5	61.19	DA873 180L4B DF873 180L4B
	28	7580	1.7	52.96	
	31	6690	1.95	46.73	
	36	5780	2.2	40.35	
	41	5110	2.5	35.69	
	49	4300	3.0	30.00	
	50	4240	1.85	29.57	
	61	3460	2.3	24.12	
	67	3150	2.5	22.00	
22	77	2730	2.9	19.04	DA772 180L4B DF772 180L4B
	87	2410	3.3	16.80	
	101	2080	3.8	14.51	
	114	1840	4.3	12.83	
	42	5060	0.85	35.26	DA673 180L4B
	50	4230	1.0	29.49	DF673 180L4B
	59	3570	1.2	24.90	
	65	3240	1.35	22.62	
22	73	2880	1.5	20.07	
	80	2610	1.65	18.21	
	94	2240	1.9	15.65	
	107	1960	2.2	13.66	
	126	1660	2.6	11.59	DA672 180L4B DF672 180L4B
	145	1450	3.0	10.13	
	171	1230	3.5	8.56	
	186	1130	2.6	7.86	
	220	960	3.1	6.66	
	252	840	3.6	5.82	

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GEARED PERFORMANCE TABLES

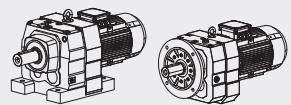


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
22	73	2890	0.9	20.14	
	80	2620	0.95	18.24	
	91	2320	1.05	16.17	
	100	2100	1.1	14.62	
	118	1780	1.25	12.39	
	135	1550	1.35	10.83	DA572 180L4B
	158	1330	1.5	9.29	DF572 180L4B
	175	1200	1.7	8.39	
	206	1020	1.95	7.12	
	236	890	2.1	6.21	
	282	745	2.4	5.20	
	326	645	2.5	4.50	
	148	1420	0.85	9.90	
	160	1310	0.9	9.14	
30	178	1180	1.0	8.22	DA472 180L4B
	205	1020	1.05	7.13	DF472 180L4B
	229	920	1.1	6.39	
	276	760	1.2	5.30	
	14	20900	0.85	107.49	
	16	18200	1.0	93.19	
	18	16200	1.1	82.91	
	20	14400	1.25	73.70	
	22	13100	1.35	67.40	
	25	11400	1.55	58.65	DA973 200L4A
	28	10100	1.8	51.76	DF973 200L4A
	33	8740	2.1	44.87	
	37	7780	2.3	39.92	
	43	6710	2.7	34.41	
62	53	5450	3.3	27.96	
	62	4620	3.9	23.71	
	18	16300	0.8	83.60	
	20	14000	0.95	72.20	
	22	13100	1.0	67.09	
	24	11900	1.1	61.19	
	28	10300	1.25	52.96	DA873 200L4A
	32	9090	1.45	46.73	DF873 200L4A
	36	7850	1.65	40.35	
	41	6950	1.85	35.69	
	49	5840	2.2	30.00	
	61	4710	2.5	24.23	
	72	3980	3.0	20.47	
82	82	3510	3.0	18.06	DA872 200L4A
	94	3050	4.3	15.66	DF872 200L4A
	29	9910	0.8	50.86	
	33	8650	0.9	44.39	
	39	7340	1.1	37.65	DA773 200L4A
	45	6410	1.25	32.91	DF773 200L4A
	53	5420	1.4	27.83	
	61	4700	1.7	24.12	
	67	4290	1.85	22.00	
	77	3710	2.2	19.04	
	88	3270	2.4	16.80	
	101	2830	2.8	14.51	DA772 200L4A
	115	2500	3.2	12.83	DF772 200L4A
	136	2100	3.8	10.79	
	194	1480	3.5	7.59	
	230	1240	4.1	6.38	



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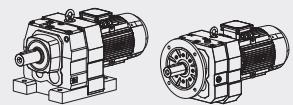
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
30	73	3910	1.1	20.07	
	81	3550	1.2	18.21	
	94	3050	1.4	15.65	
	108	2660	1.6	13.66	
	127	2660	1.9	11.59	
	145	1970	2.2	10.13	DA672 200L4A DF672 200L4A
	172	1670	2.6	8.56	
	187	1530	1.95	7.86	
	221	1300	2.3	6.66	
	252	1140	2.6	5.82	
32	299	960	3.0	4.92	
	101	2850	0.8	14.62	
	119	2420	0.9	12.39	
	136	2110	1.0	10.83	
	158	1810	1.1	9.29	
	175	1640	1.25	8.39	DA572 200L4A DF572 200L4A
	207	1390	1.45	7.12	
	237	1210	1.55	6.21	
	283	1010	1.75	5.20	
	327	880	1.85	4.50	
37	16	22400	0.8	93.19	
	18	19900	0.9	82.91	
	20	17700	1.0	73.70	
	22	16200	1.1	67.40	
	25	14100	1.3	58.65	DA973 225S4A DF973 225S4A
	28	12400	1.45	51.76	
	33	10800	1.65	44.87	
	37	9600	1.90	39.92	
	43	8270	2.2	34.41	
	53	6720	2.7	27.96	
40	48	7380	1.35	30.71	
	60	5900	2.4	24.57	
	67	5250	2.5	21.85	DA972 225S4A DF972 225S4A
	77	4580	3.5	19.03	
	87	4080	3.7	16.98	
	22	16100	0.8	67.09	
	24	14700	0.9	61.19	
	28	12700	1.0	52.96	
	32	11200	1.15	46.73	
	36	9680	1.35	40.35	DA873 225S4A DF873 225S4A
45	41	8570	1.5	35.69	
	49	7200	1.8	30.00	
	61	5810	2.0	24.23	
	72	4910	2.4	20.47	
	82	4340	2.4	18.06	
	94	3760	3.5	15.66	DA872 225S4A DF872 225S4A
	106	3340	3.8	13.93	
	39	9050	0.9	37.65	
	45	7910	1.0	32.91	DA773 225S4A DF773 225S4A
	53	6690	1.15	27.83	
55	61	5800	1.4	24.12	
	67	5290	1.5	22.00	
	77	4580	1.75	19.04	
	88	4040	2.0	16.80	
	101	3490	2.3	14.51	DA772 225S4A DF772 225S4A
	115	3080	2.6	12.83	
	136	2590	3.1	10.79	
	169	2090	3.7	8.71	
	194	1820	2.8	7.59	

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GEARED PERFORMANCE TABLES

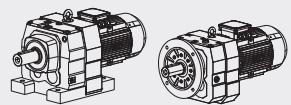


Motor Gücü Motor Power P_1 (kW)	Çıkış Devri Output Speed n_2 (min ⁻¹)	Çıkış Momenti Output Torque M_2 (Nm)	Servis Faktörü Service Factor f_B	Tahvil Oranı Ratio i_{ges}	Tip Type
37	73	4820	0.9	20.07	DA672 225S4A DF672 225S4A
	81	4380	1.0	18.21	
	94	3760	1.15	15.65	
	108	3280	1.3	13.66	
	127	2790	1.55	11.59	
	145	2430	1.75	10.13	
	172	2060	2.1	8.56	
	187	1890	1.55	7.86	
	221	1600	1.85	6.66	
	252	1400	2.1	5.82	
	299	1180	2.5	4.92	
	20	21500	0.85	73.70	
	22	19700	0.9	67.40	
45	25	17100	1.05	58.65	DA973 225M4B DF973 225M4B
	28	15100	1.2	51.76	
	33	13100	1.35	44.87	
	37	11700	1.55	39.92	
	43	10100	1.8	34.41	
	53	8170	2.2	27.96	
	62	6930	2.6	23.71	
	48	8980	1.1	30.71	
	60	7180	1.95	24.57	
	67	6390	2.0	21.85	
	77	5560	2.9	19.03	
	87	4960	3.0	16.98	
	28	15500	0.85	52.96	
	32	13600	0.95	46.73	
55	36	11800	1.1	40.35	DA873 225M4B DF873 225M4B
	41	10400	1.25	35.69	
	49	8760	1.5	30.00	
	61	7070	1.7	24.23	
	72	5970	2.0	20.47	
	82	5270	2.0	18.06	
	94	4570	2.8	15.66	
	106	4070	3.1	13.93	
	123	3510	3.7	12.01	
	203	2120	4.1	7.25	
	45	9620	0.85	32.91	
	53	8130	0.95	27.83	
	61	7050	1.15	24.12	
75	67	6430	1.25	22.00	DA772 225M4B DF772 225M4B
	77	5570	1.45	19.04	
	88	4910	1.65	16.80	
	101	4240	1.9	14.51	
	115	3750	2.1	12.83	
	136	3150	2.5	10.79	
	169	2550	3.1	8.71	
	194	2220	2.3	7.59	
	230	1860	2.7	6.38	
	285	1510	3.0	5.15	
	94	4580	0.95	15.65	
	108	3990	1.1	13.66	
	127	3390	1.25	11.59	
100	145	2960	1.45	10.13	DA672 225M4B DF672 225M4B
	172	2500	1.7	8.56	
	187	2300	1.3	7.86	
	221	1950	1.5	6.66	
	252	1700	1.78	5.82	
	299	1440	2.0	4.92	



GÜÇ DEVİR TABLOLARI

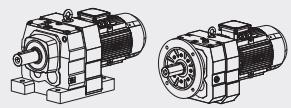
GEARED PERFORMANCE TABLES



Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
55	25	20900	0.85	58.65	DA973 250M4A DF973 250M4A
	29	18400	1.0	51.76	
	33	16000	1.15	44.87	
	37	14200	1.25	39.92	
	43	12300	1.45	34.41	
	53	9960	1.8	27.96	
	62	8440	2.1	23.71	DA972 250M4A DF972 250M4A
	60	8750	1.6	24.57	
	68	7780	1.65	21.85	
	77	6780	2.4	19.03	
	87	6050	2.5	16.98	
75	102	5450	3.5	14.48	DA873 250M4A DF873 250M4A
	123	4270	4.0	11.99	
	32	16600	0.8	46.73	
	37	14300	0.9	40.35	
	41	12700	1.0	35.69	
	49	10700	1.2	30.00	
	61	8610	1.4	24.23	
	72	7280	1.65	20.47	
	82	6420	1.65	18.06	DA872 250M4A DF872 250M4A
	94	5570	2.3	15.66	
75	106	4950	2.5	13.93	
	123	4270	3.0	12.01	
	151	3470	3.8	9.76	
	203	2580	3.4	7.25	
	250	2100	4.1	5.89	
	77	6780	1.2	19.04	DA772 250M4A DF772 250M4A
	88	5980	1.35	16.80	
	102	5170	1.55	14.51	
	115	4570	1.75	12.83	
	137	3840	2.1	10.79	
75	169	3100	2.5	8.71	DA973 280S4A DF973 280S4A
	194	2700	1.9	7.59	
	231	2270	2.2	6.38	
	286	1830	2.5	5.15	
	33	21700	0.85	44.87	
	37	19300	0.95	39.92	
	43	16700	1.1	34.41	
	53	13500	1.35	27.96	
	62	11500	1.55	23.71	DA972 280S4A DF972 280S4A
	60	11900	1.2	24.57	
75	68	10600	1.25	21.85	
	78	9210	1.75	19.03	
	87	8220	1.85	16.98	
	102	7000	2.6	14.48	
	123	5800	2.9	11.99	
	145	4950	3.4	10.24	
	49	14500	0.9	30.00	DA872 280S4A DF872 280S4A
	61	11700	1.0	24.23	
	72	9890	1.2	20.47	
75	82	8730	1.2	18.06	DA873 280S4A DF873 280S4A
	95	7570	1.7	15.66	
	106	6730	1.85	13.93	
	123	5800	2.2	12.01	
	152	4710	2.8	9.76	
	179	4000	3.2	8.28	
	204	3510	2.5	7.25	
	251	2850	3.0	5.89	
	296	2420	3.6	5.00	

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GEARED PERFORMANCE TABLES

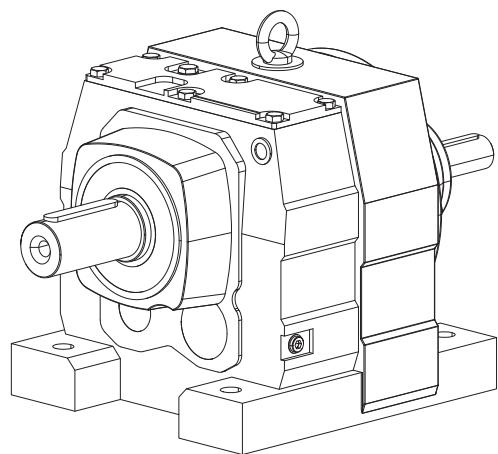


Motor Gücü Motor Power	Çıkış Devri Output Speed	Çıkış Momenti Output Torque	Servis Faktörü Service Factor	Tahvil Oranı Ratio	Tip Type
	P ₁ (kW)	n ₂ (min ⁻¹)	M ₂ (Nm)	f _B	i _{ges}
90	37	23200	0.8	39.92	DA973 280H4B
	43	20000	0.9	34.41	DF973 280H4B
	53	16200	1.1	27.96	
	62	13800	1.3	23.71	
	60	14300	1.0	24.57	
	68	12700	1.0	21.85	
	78	11100	1.45	19.03	DA972 280H4B
	87	9860	1.5	16.98	DF972 280H4B
	102	8410	2.1	14.48	
	123	3630	2.4	11.99	
	145	5940	2.9	10.24	
	72	11900	1.0	20.47	
	82	10500	1.0	18.06	
	95	9080	1.45	15.66	
	106	8080	1.55	13.93	
	123	6960	1.85	12.01	DA872 280H4B
	152	5660	2.3	9.76	DF872 280H4B
	179	4800	2.7	8.28	
	204	4210	2.1	7.25	
	251	3420	2.5	5.89	
	296	2900	3.0	5.00	
110	53	19800	0.9	27.96	
	63	16800	1.05	23.71	
	78	13500	1.2	19.03	
	87	12000	1.25	16.98	DA972 280H4B
	103	10200	1.75	14.48	DF972 280H4B
	124	8480	2.0	11.99	
	145	7240	2.3	10.24	
132	63	20100	0.9	23.71	
	78	16200	1.0	19.03	
	87	14400	1.05	16.98	DA972 315M4B
	103	12300	1.45	14.48	DF972 315M4B
	124	10200	1.65	11.99	
	145	8690	1.95	10.24	
160	103	14900	1.2	14.48	DA972 315L4C
	124	12300	1.4	11.99	DF972 315L4C
	145	10500	1.6	10.24	



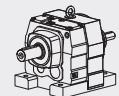
GÜÇ DEVİR TABLOLARI

GEARED PERFORMANCE TABLES



GÜÇ DEVİR TABLOLARI

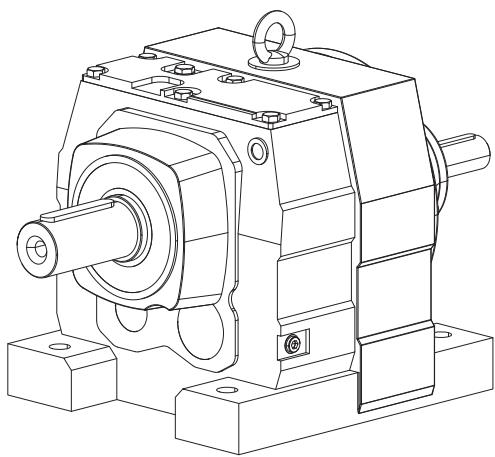
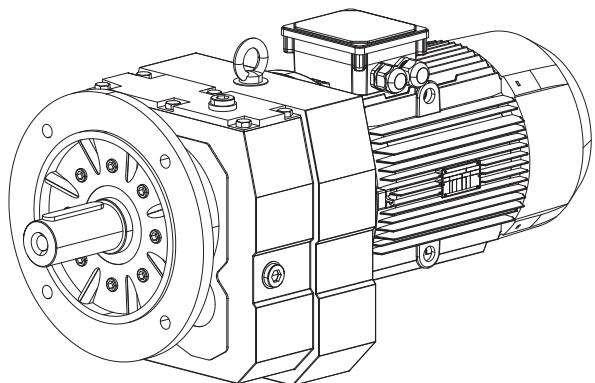
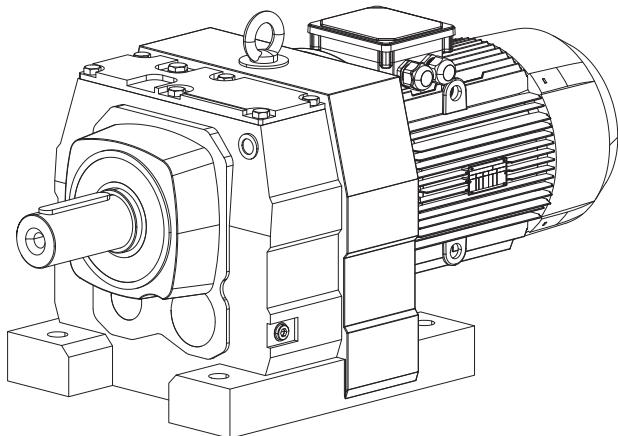
GEARED PERFORMANCE TABLES

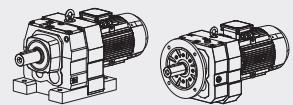


Tip Type	Çıkış Devri Output Speed n_2 (min ⁻¹)	Anma Momenti Nominal Torque M_2 (Nm)	Tahvil Oranı Ratio i_{ges}	Nominal Güç (kW) [$f_B=1$] [$n_i=1450$ d/d] Nominal Power [$f_B=1$] [$n_i=1450$ rpm]							Rad.Yük (Çıkış) Rad.Loads Output	Rad.Yük (Giriş) Rad.Loads Input		
				Giriş Devri / Input Speed (n_i)										
				2900	1450	950	725	475	360					
DAV 876 DFV 876	0.34	13000	4325	1.1	0.53	0.37	0.28	0.21	0.15	72000	2060			
	0.30	13000	4926	0.94	0.48	0.32	0.27	0.19	0.14	72000	2070			
	0.26	13000	5568	0.82	0.41	0.27	0.23	0.15	0.11	72000	2075			
	0.22	13000	6447	0.70	0.35	0.25	0.19	0.13	0.10	72000	2100			
	0.20	13000	7307	0.63	0.32	0.23	0.18	0.12	0.09	72000	2200			
DAV 972 DFV 972	141	12500	10.24	-	220	160	131	101	83	94500	23900			
	121	18000	11.99	-	215	140	120	90	70	94500	23900			
	100	18000	14.48	-	195	128	98	64	49	94500	23900			
	85	18000	16.98	-	160	104	80	55	42	94500	23900			
	76	18000	19.03	-	143	95	75	50	37	94500	23900			
	66	18000	21.85	-	125	83	65	43	33	94500	23900			
	59	18000	24.57	-	110	74	57	37	28	94500	23900			
DAV 973 DFV 973	47	18000	30.71	-	100	65	50	35	25	94500	23900			
	61	18000	23.71	-	110	74	56	37	29	94500	23900			
	52	18000	27.96	-	103	65	52	32	25	94500	23900			
	42	18000	34.41	-	82	55	42	26	21	94500	23900			
	36	18000	39.92	-	70	47	39	24	19	94500	23900			
	32	18000	44.87	-	60	40	36	23	18	94500	23900			
	28	18000	51.76	-	55	37	29	18	14	94500	23900			
	25	18000	58.65	-	48	32	24	16	13	94500	23900			
	21	18000	67.40	-	41	27	21	14	10	94500	23900			
	20	18000	73.70	-	39	26	20	13	9.0	94500	23900			
	17	18000	82.91	-	32	22	17	11	8.2	94500	23900			
	15	18000	93.19	-	29	19	16	10	7.9	94500	23900			
	13	18000	107.49	-	27	17	15	9.5	7.3	94500	23900			
	12	18000	121.81	45	24	16	13	8.0	6.5	94500	23900			
	10	18000	139.98	40	21	15	12	7.5	6.0	94500	23900			
DAV 975 DFV 975	9.5	18000	153.07	38	19	13	9.7	6.4	4.8	94500	23900			
	7.7	18000	186.93	30	15	10	7.6	5.0	3.8	94500	23900			
	6.3	18000	229.71	25	13	8.0	6.0	4.0	3.0	94500	23900			
	7.2	18000	200	28	14	9.0	7.3	5.1	3.9	94500	1750			
	6.3	18000	229	26	13	8.7	6.8	4.8	3.4	94500	1800			
	5.3	18000	270	22	11	7.1	5.4	3.6	2.7	94500	1850			
	4.9	18000	295	20	10	5.0	3.3	2.5	1.5	94500	1890			
DAV 976 DFV 976	4.3	18000	335	13	6.5	4.2	3.2	2.1	1.6	94500	2400			
	3.8	18000	376	12	6.0	3.9	2.9	1.9	1.4	94500	2420			
	2.9	18000	503	11	5.5	3.6	2.7	1.8	1.3	94500	2460			
	2.2	18000	656	9.2	4.6	3.2	2.3	1.6	1.1	94500	2470			
	1.9	18000	760	8.1	4.0	2.9	1.9	1.5	0.95	94500	2480			
	1.7	18000	861	7.2	3.6	2.7	1.7	1.4	0.83	94500	2490			
	1.4	18000	999	6.0	3.0	2.4	1.5	1.1	0.74	94500	2510			
	1.3	18000	1123	5.6	2.8	2.1	1.3	0.90	0.62	94500	2520			
	1.1	18000	1279	4.5	2.3	1.8	1.1	0.78	0.56	94500	2540			
	1.0	18000	1438	4.0	2.0	1.6	0.94	0.67	0.49	94500	2545			
	0.86	18000	1670	3.5	1.7	1.1	0.84	0.55	0.42	94500	2560			

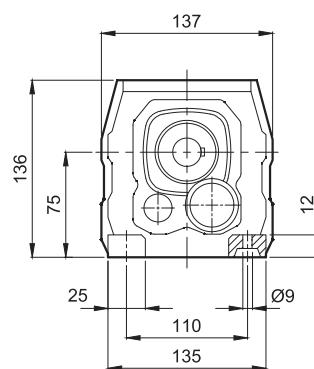
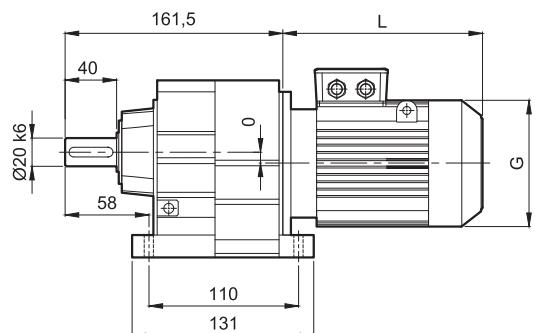
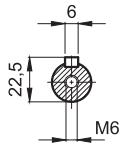
ÖLÇÜ SAYFALARI

DIMENSION PAGES

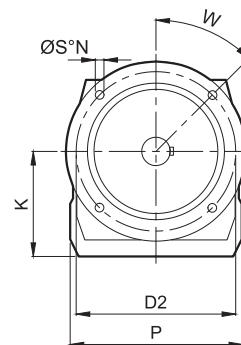
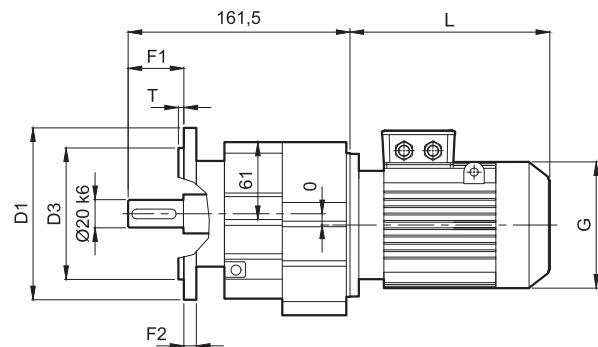
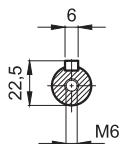




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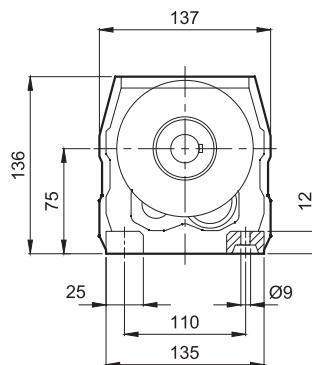
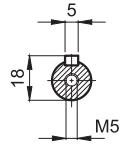
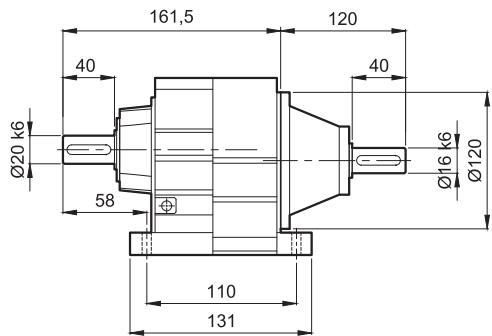
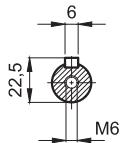


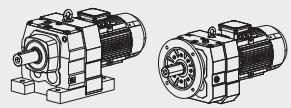
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DF003**



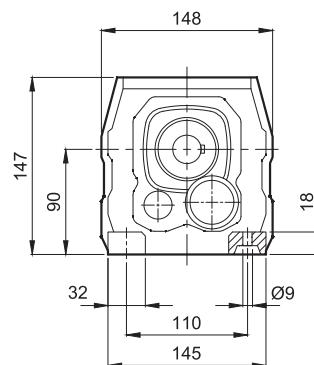
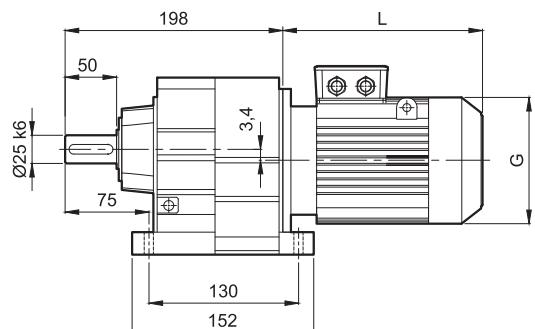
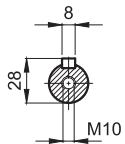
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**DAV002
DAV003**

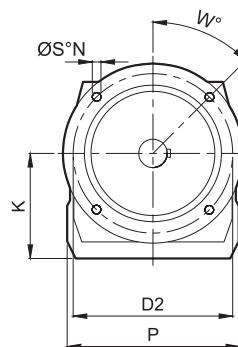
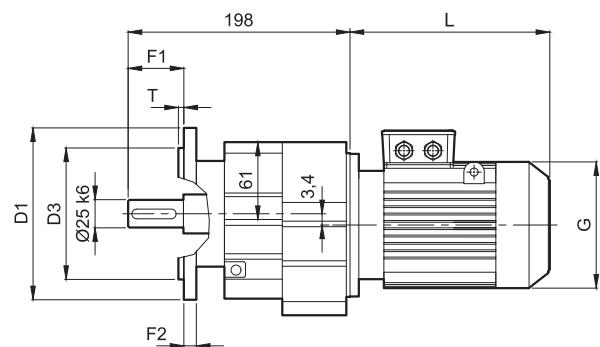
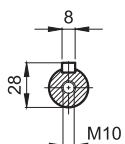




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DA103**

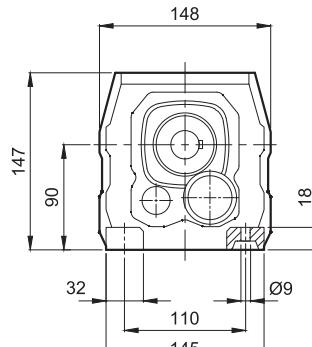
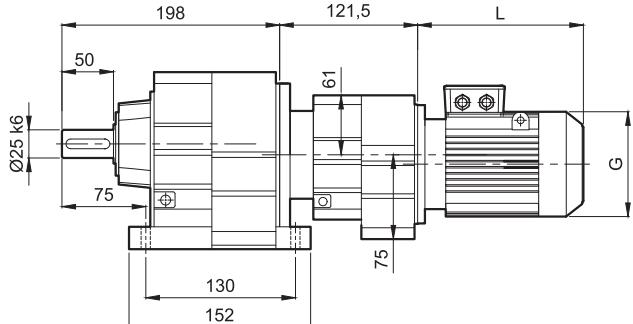
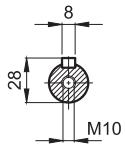


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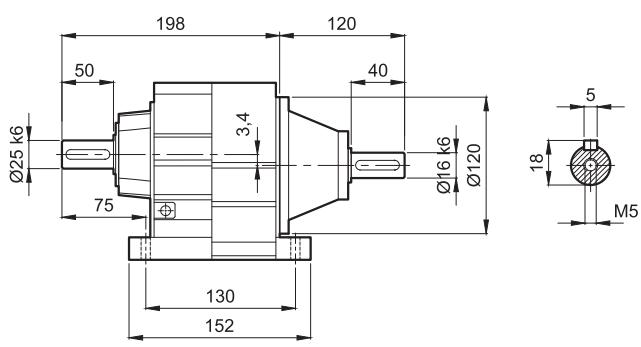
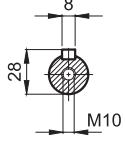


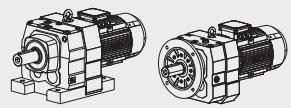
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O2	140	115	95	50	8	3	90	148	8,5	4	45°
O3	160	130	110	50	8	3,5	90	148	8,5	4	45°

**DA105
DA106**

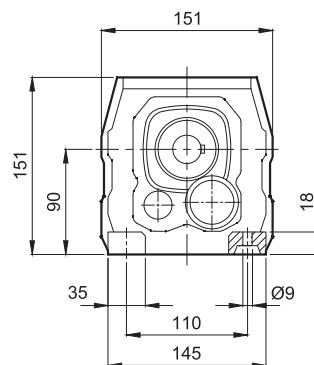
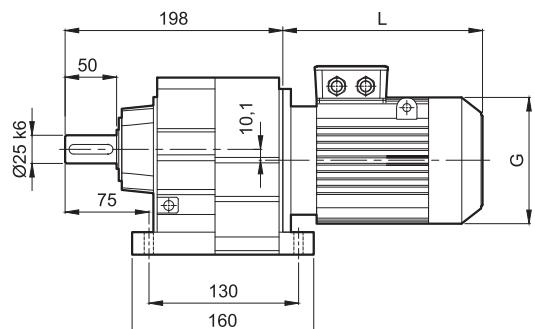
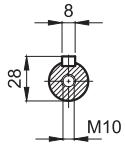


**DAV102
DAV103**

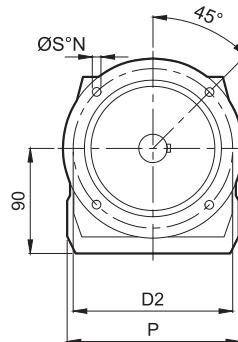
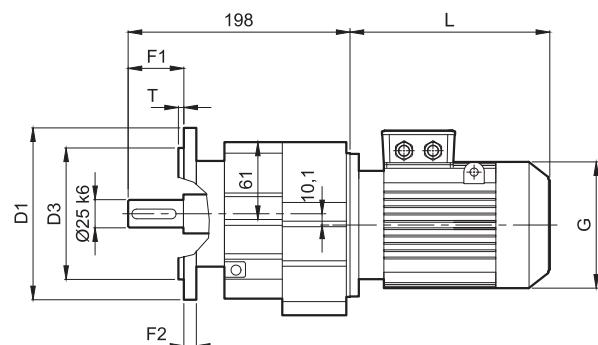
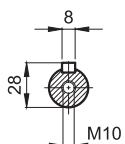




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DA173**

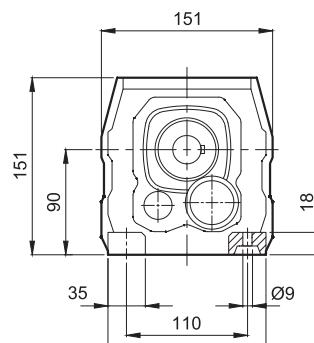
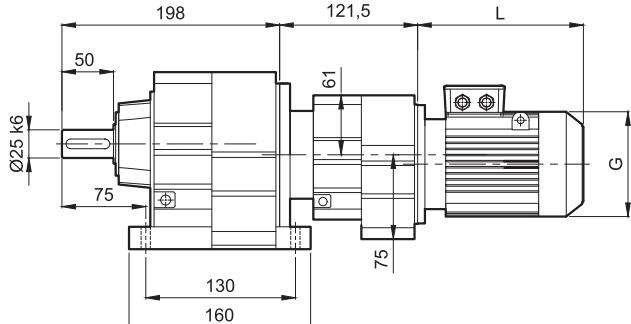
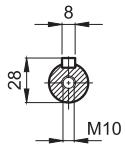


**DF172
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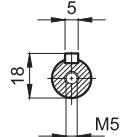
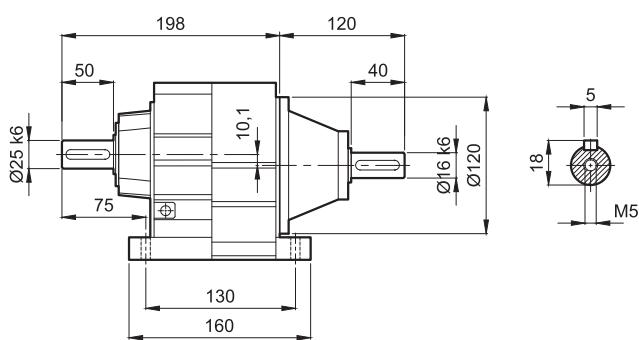
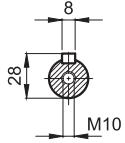


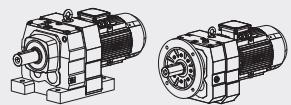
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O2	160	130	110	50	10	3,5	90	161	9	4	45°
O3	200	165	130	50	12	3,5	90	161	11	4	45°

**DA175
DA176**

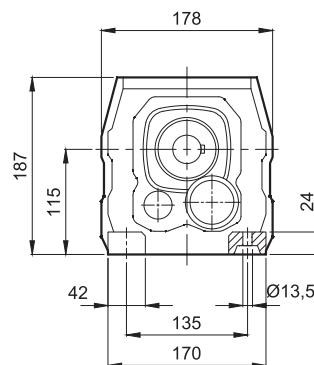
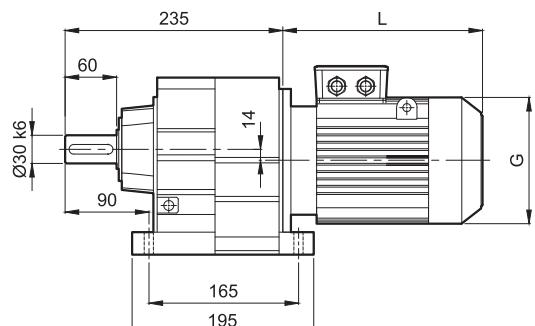
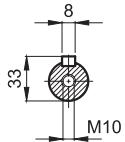


**DAV172
DAV173**

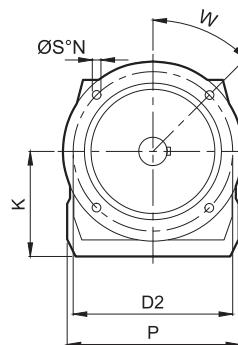
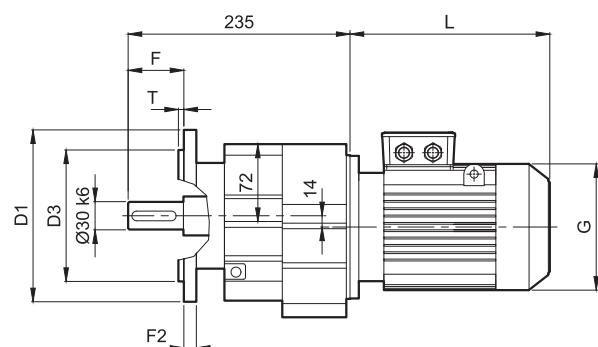
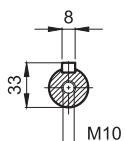




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DA203**

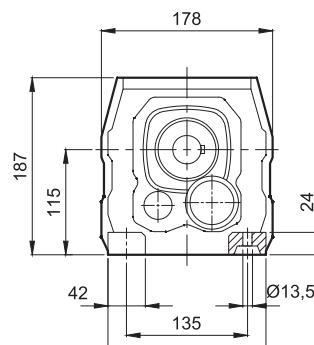
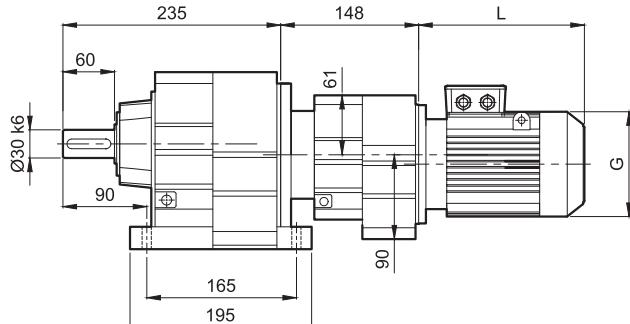
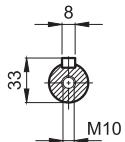


**DF202
DF203**

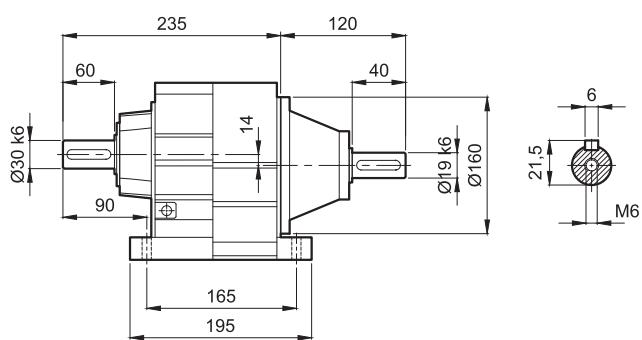
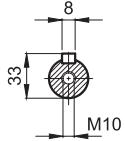


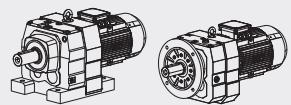
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O2	160	130	110	60	10	3,5	115	178	9	4	45°
O3	200	165	130	60	12	3,5	115	178	11	4	45°

**DA205
DA206**

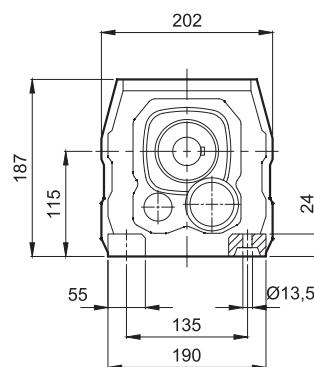
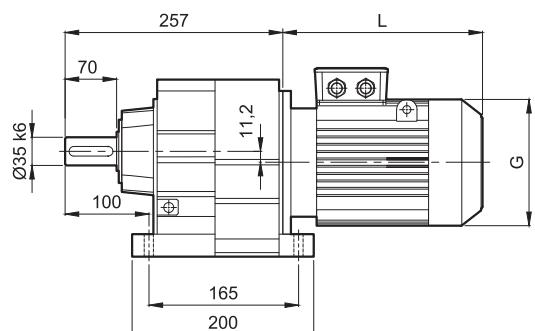
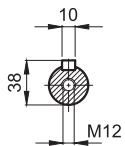


**DAV202
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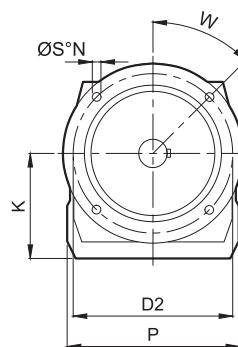
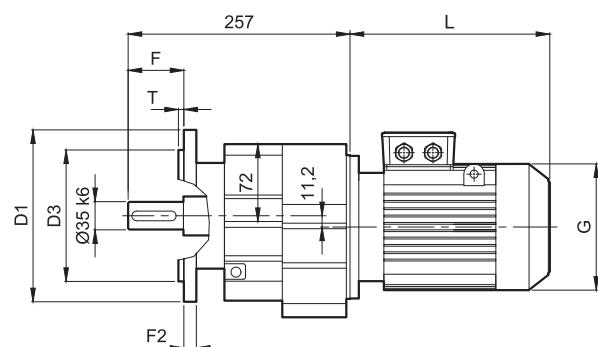
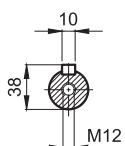




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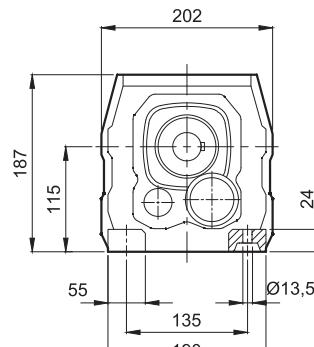
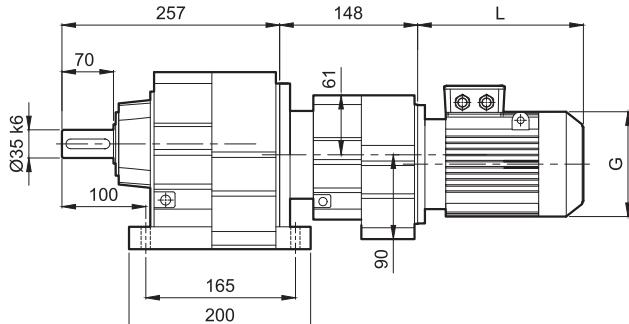
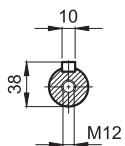


**DF272
DF273**

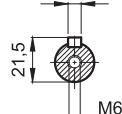
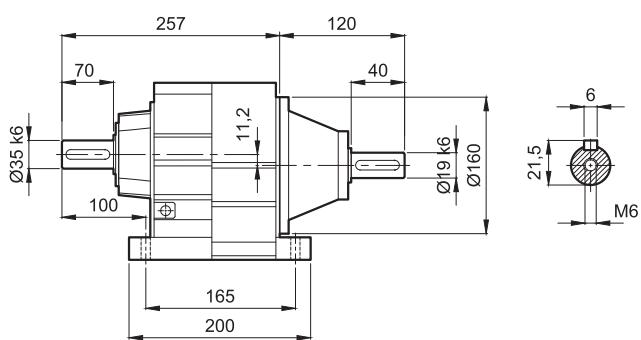
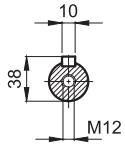


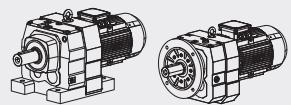
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	160	130	110	70	10	3,5	115	202	9	4	45°
O2	200	165	130	70	12	3,5	115	202	11	4	45°
O3	250	215	180	70	15	4	115	202	13,5	4	45°

**DA275
DA276**

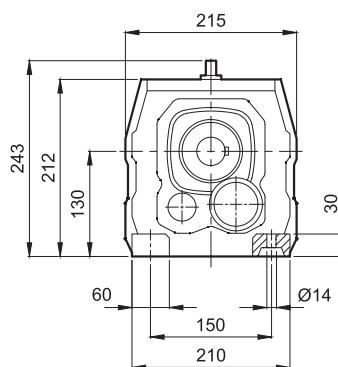
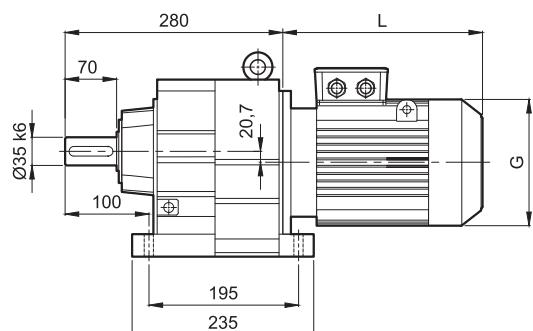
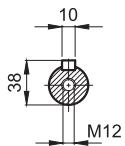


**DAV272
DAV273**

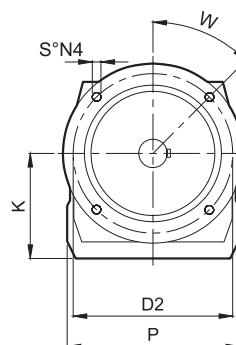
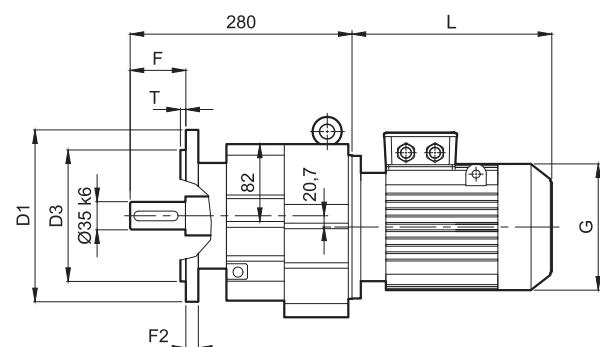
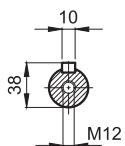




**DA282
DA283**

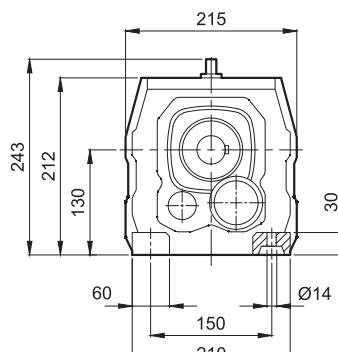
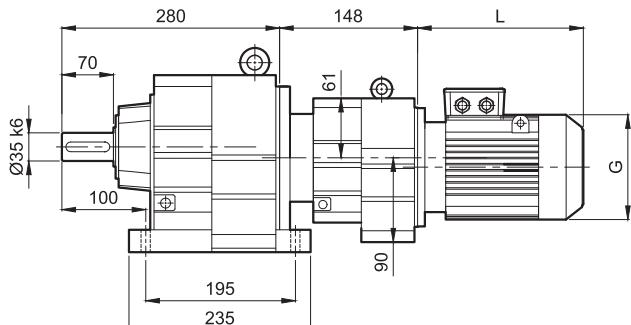
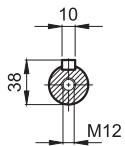


**DF282
DF283**

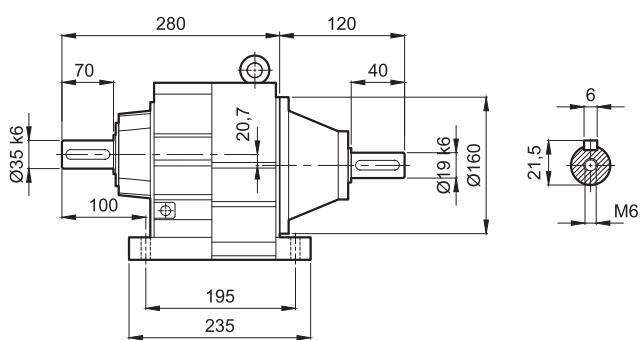
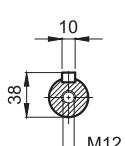


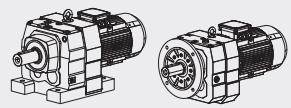
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	200	165	130	70	12	3,5	130	215	11	4	45°
O2	250	215	180	70	15	4	130	215	13,5	4	45°

**DA285
DA286**

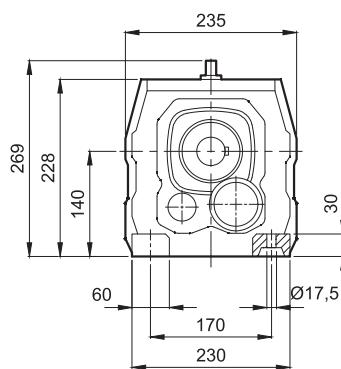
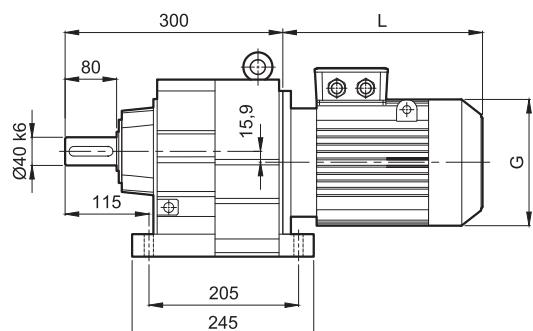
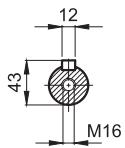


**DAV282
DAV283**

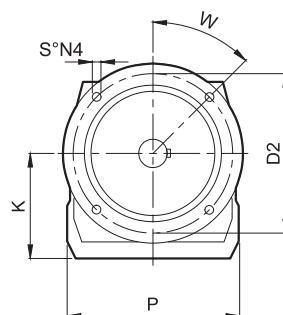
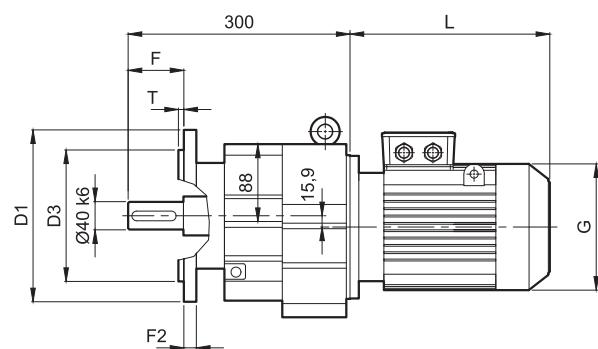
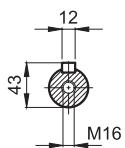




**DA372
DA373**

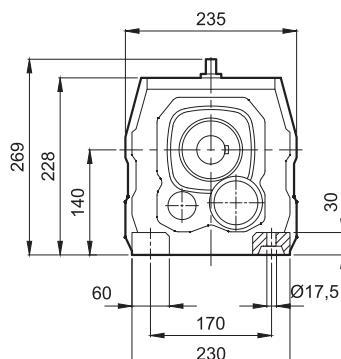
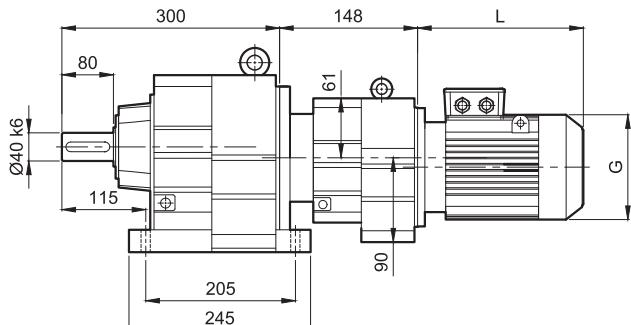
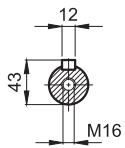


**DF372
DF373**

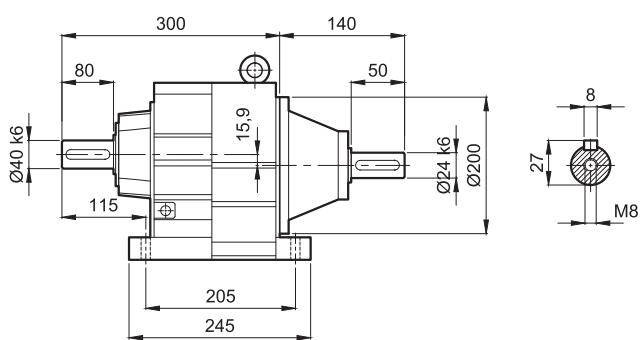
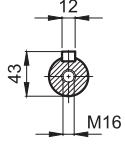


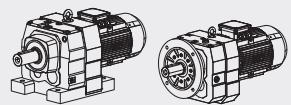
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	250	215	180	80	15	4	140	235	13,5	4	45°
O2	300	265	230	80	15	4	140	235	13,5	4	45°

**DA375
DA376**

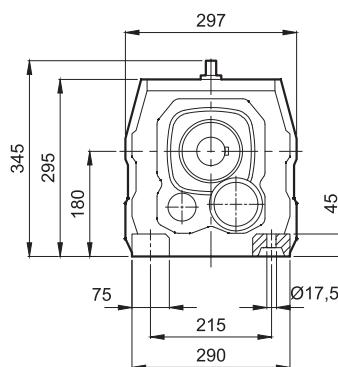
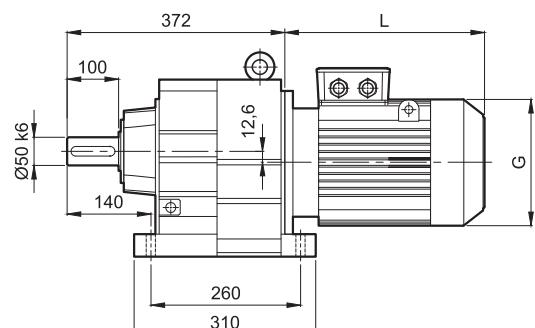
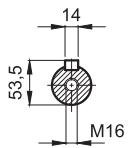


**DAV372
DAV373**

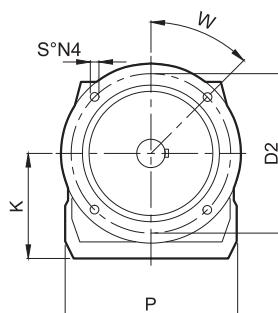
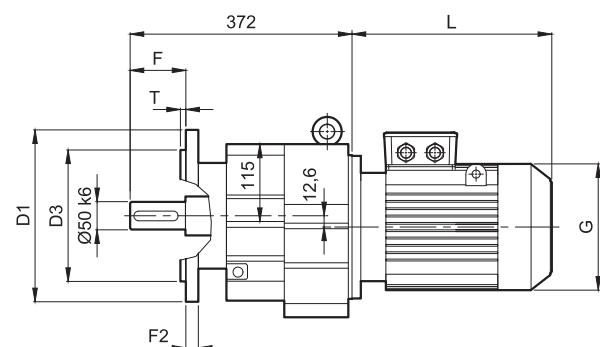
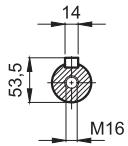




**DA472
DA473**

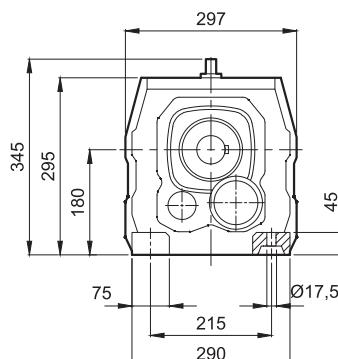
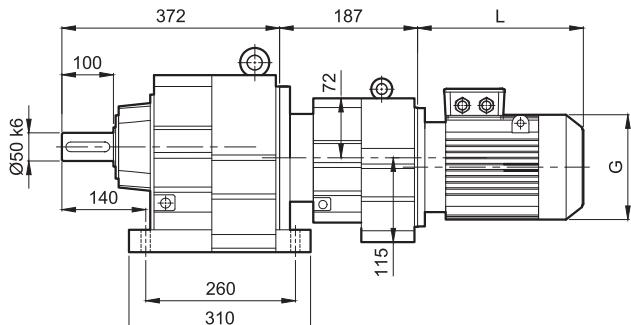
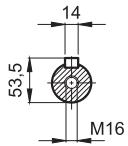


**DF472
DF473**

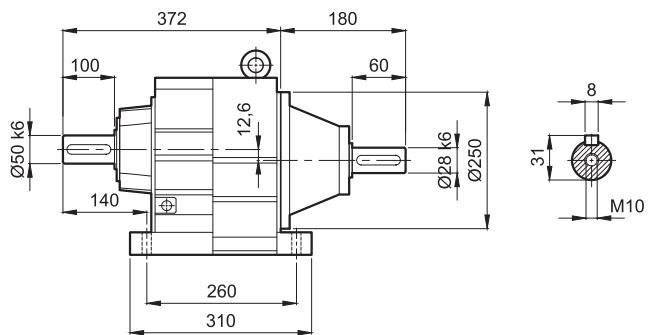
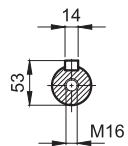


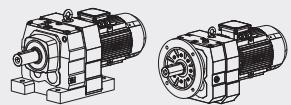
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	300	265	230	100	16	4	180	297	13,5	4	45°
O2	350	300	250	100	18	5	180	297	17,5	4	45°

**DA475
DA476**

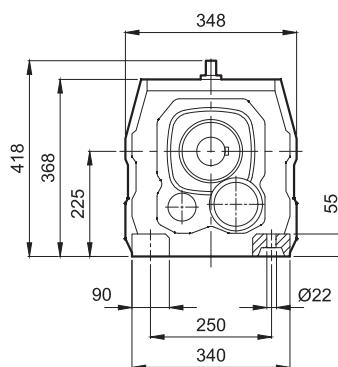
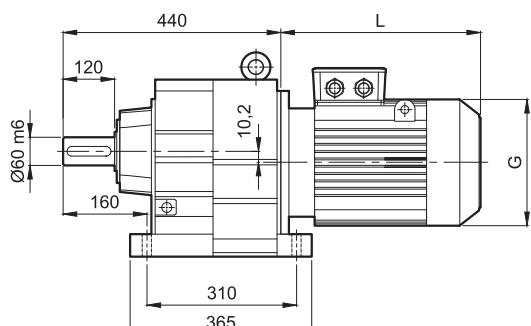
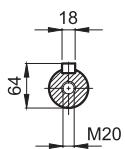


**DAV472
DAV473**

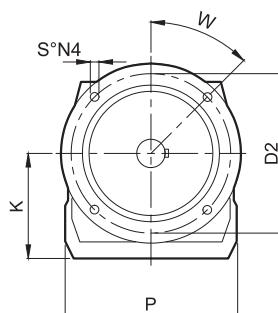
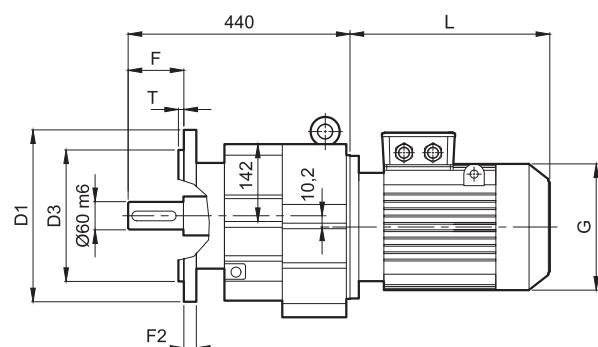
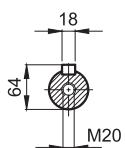




**DA572
DA573**

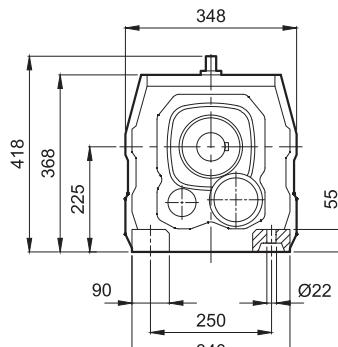
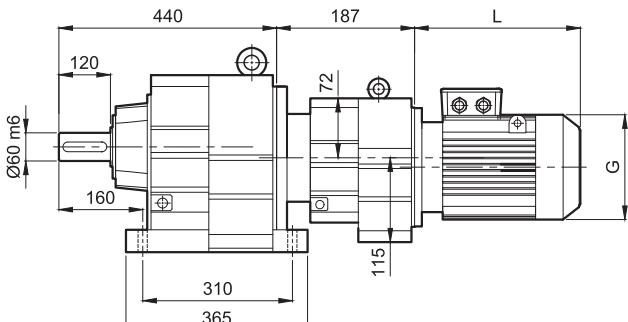
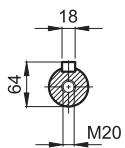


**DF572
DF573**

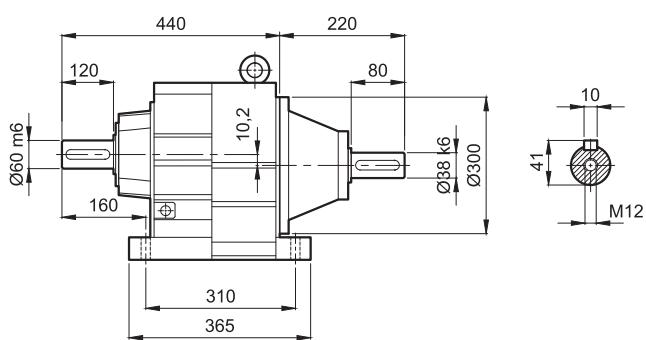
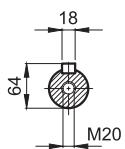


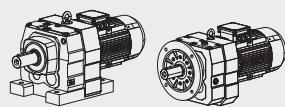
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	350	300	250	120	18	5	225	348	17,5	4	45°
O2	450	400	350	120	22	5	225	348	17,5	8	22,5°

**DA575
DA576**

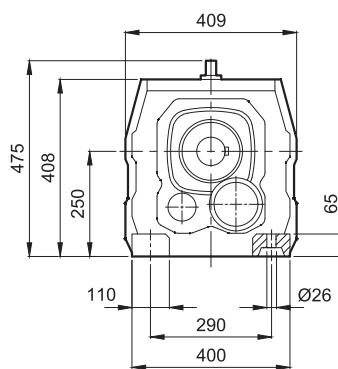
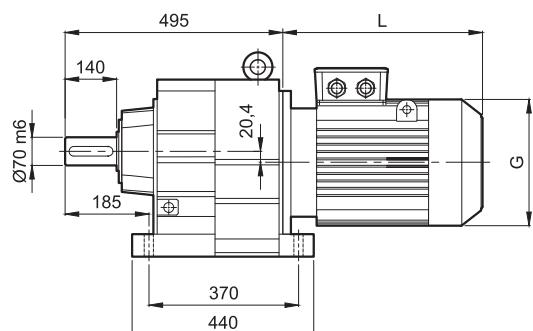
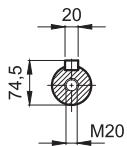


**DAV572
DAV573**

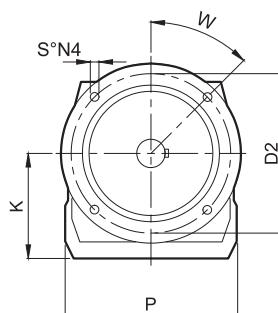
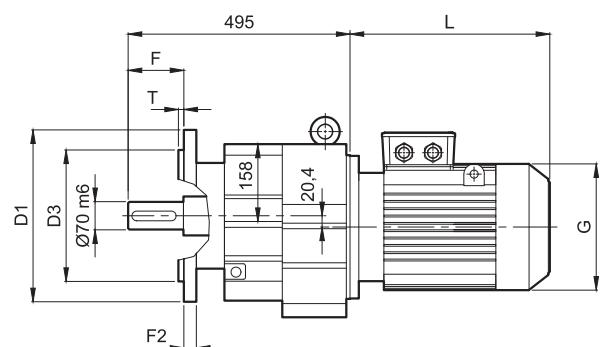
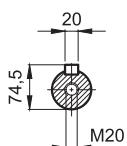




**DA672
DA673**

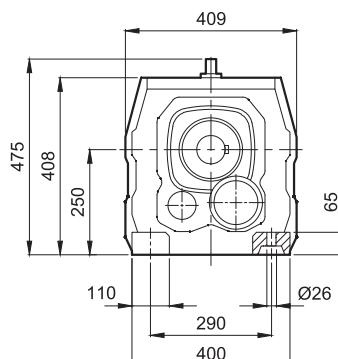
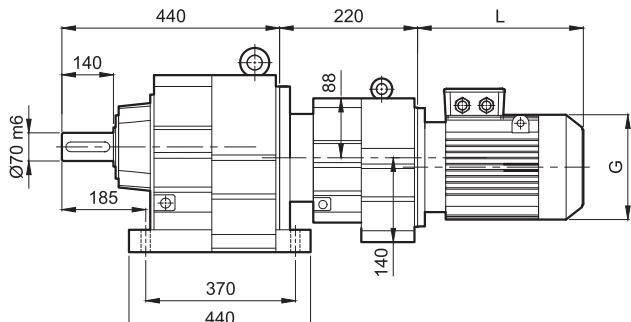
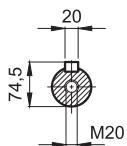


**DF672
DF673**

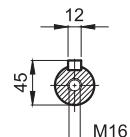
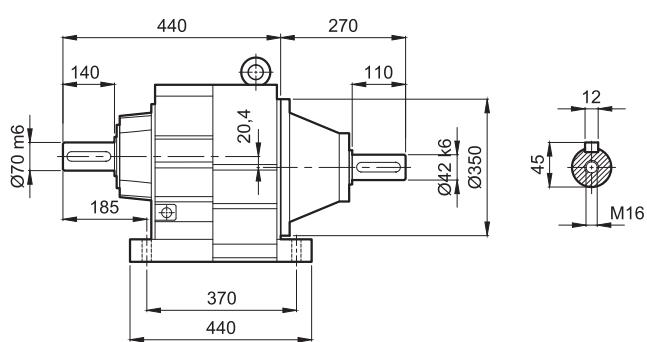
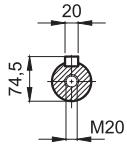


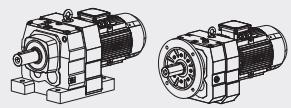
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	350	300	250	140	20	5	250	409	17,5	4	45°
O2	450	400	350	140	22	5	250	409	17,5	8	22,5°

**DA675
DA676**

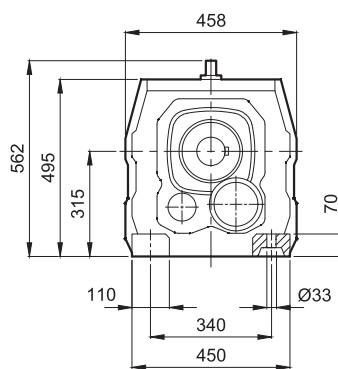
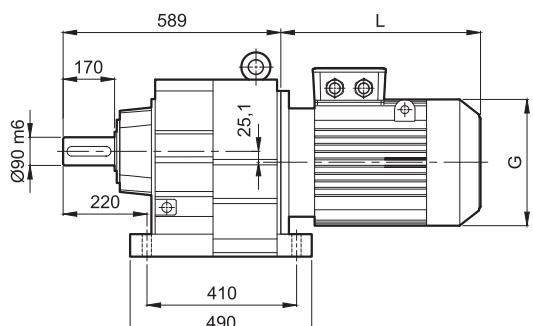
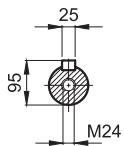


**DAV672
DAV673**

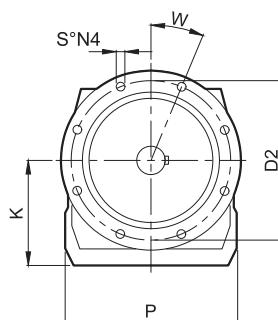
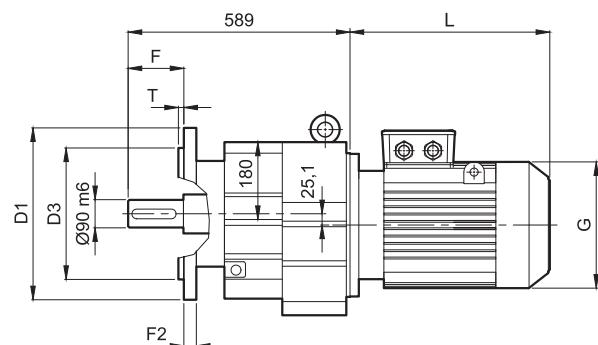
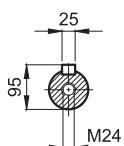




**DA772
DA773**

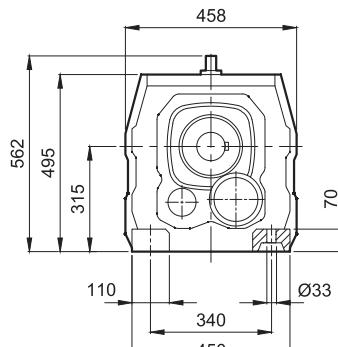
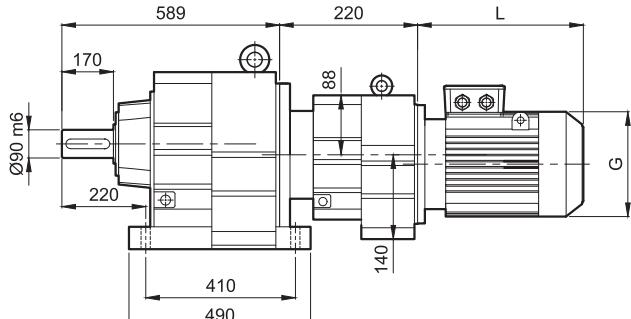
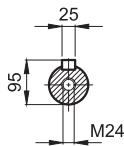


**DF772
DF773**

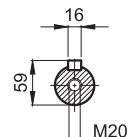
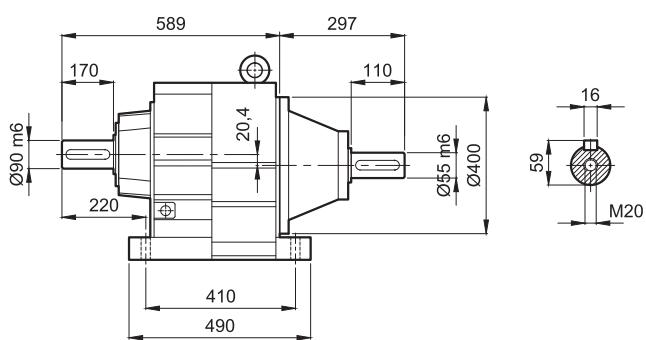
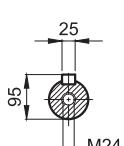


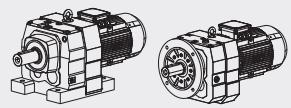
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	450	400	350	170	22	5	315	458	17,5	8	22,5°
O2	550	500	450	170	25	5	315	458	17,5	8	22,5°

**DA775
DA776**

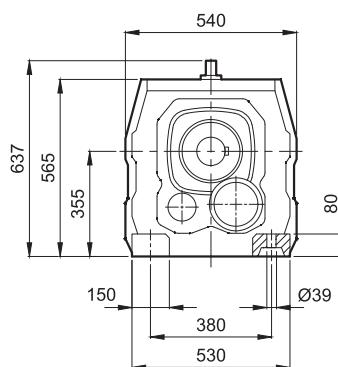
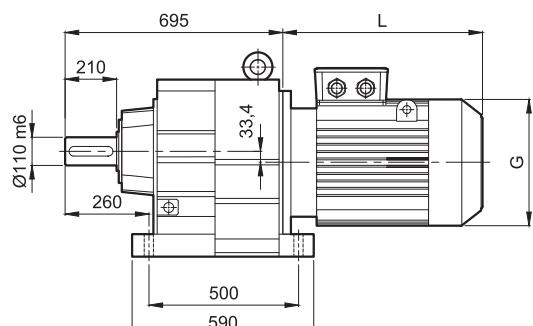
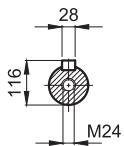


**DAV772
DAV773**

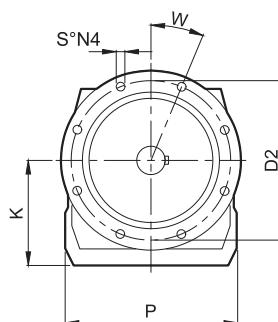
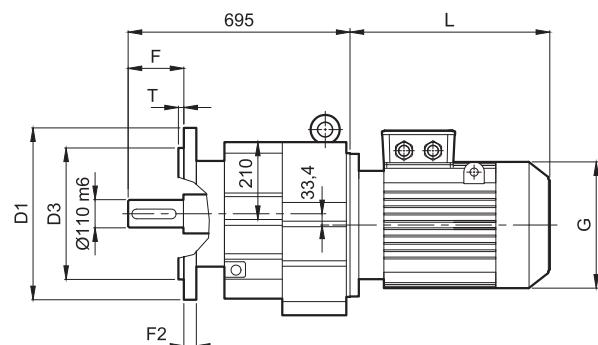
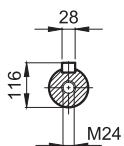




**DA872
DA873**

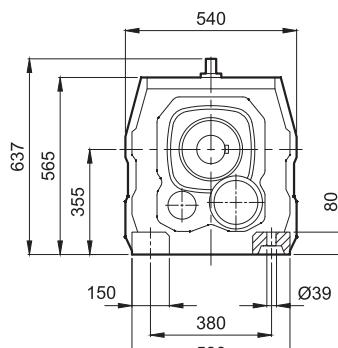
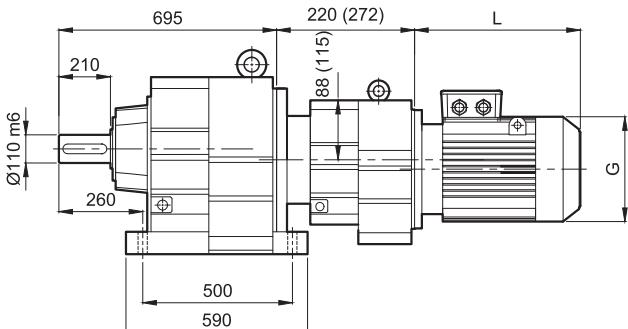
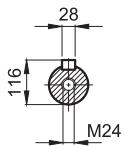


**DF872
DF873**

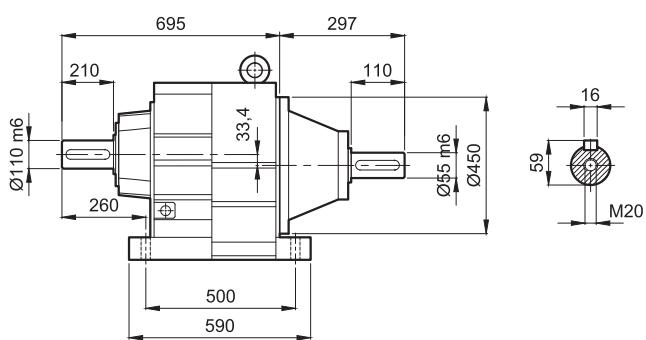
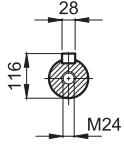


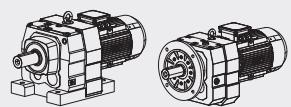
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	450	400	350	210	22	5	355	540	17,5	8	22,5°
O2	550	500	450	210	25	5	355	540	17,5	8	22,5°

**DA875
DA876**

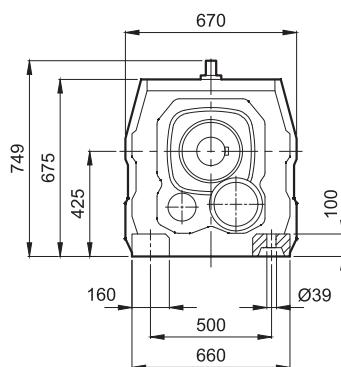
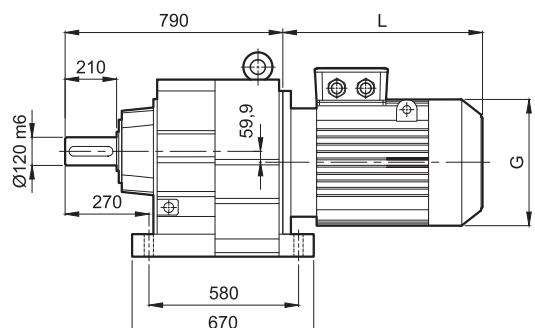
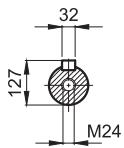


**DAV872
DAV873**

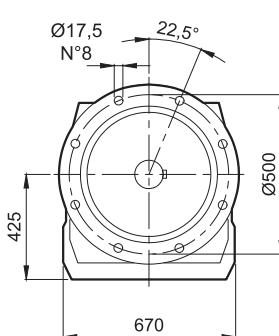
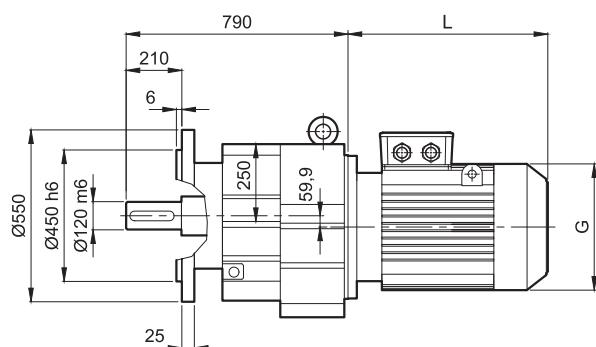
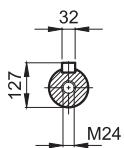




**DA972
DA973**

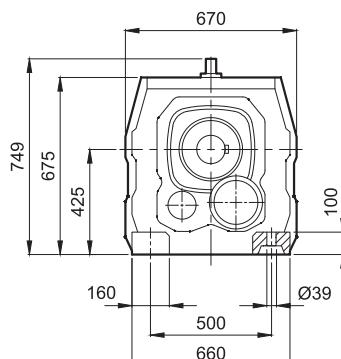
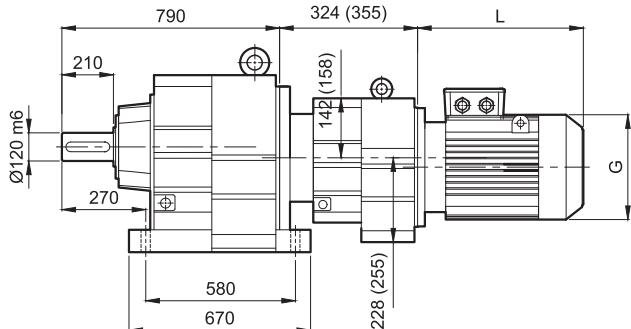
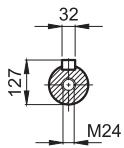


**DF972
DF973**

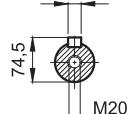
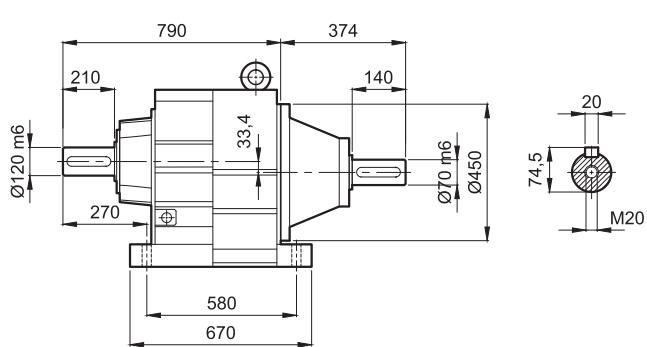
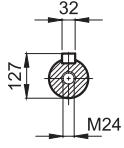


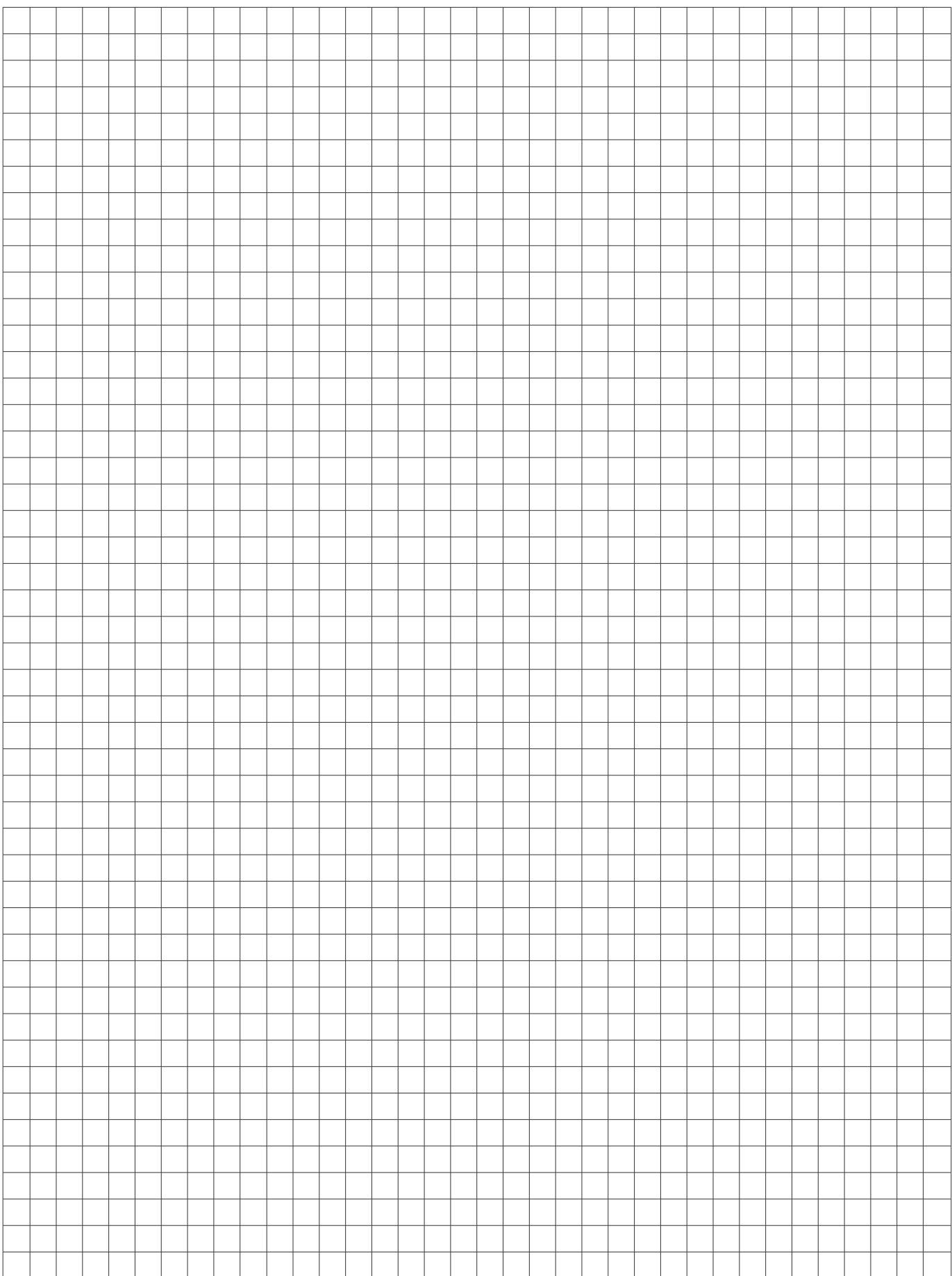
	D1	D2	D3	F	F2	T	K	P	S	N	W
O1	550	500	450	210	25	6	425	670	17,5	8	22,5°
O2	660	600	550	210	28	6	425	670	17,5	8	22,5°

**DA975
DA976**



**DAV972
DAV973**







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