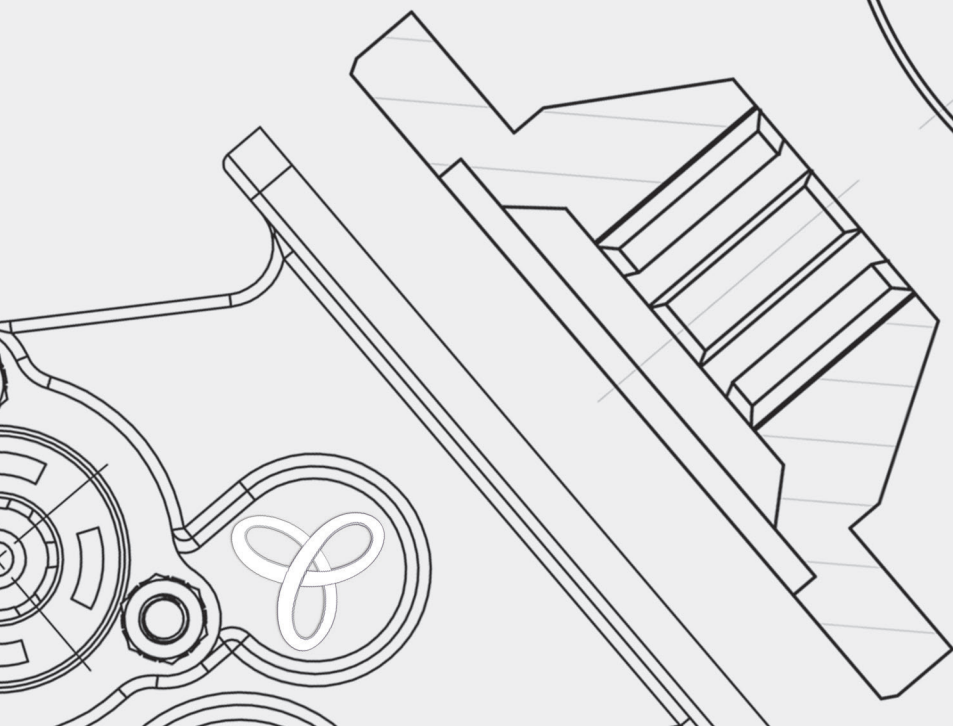
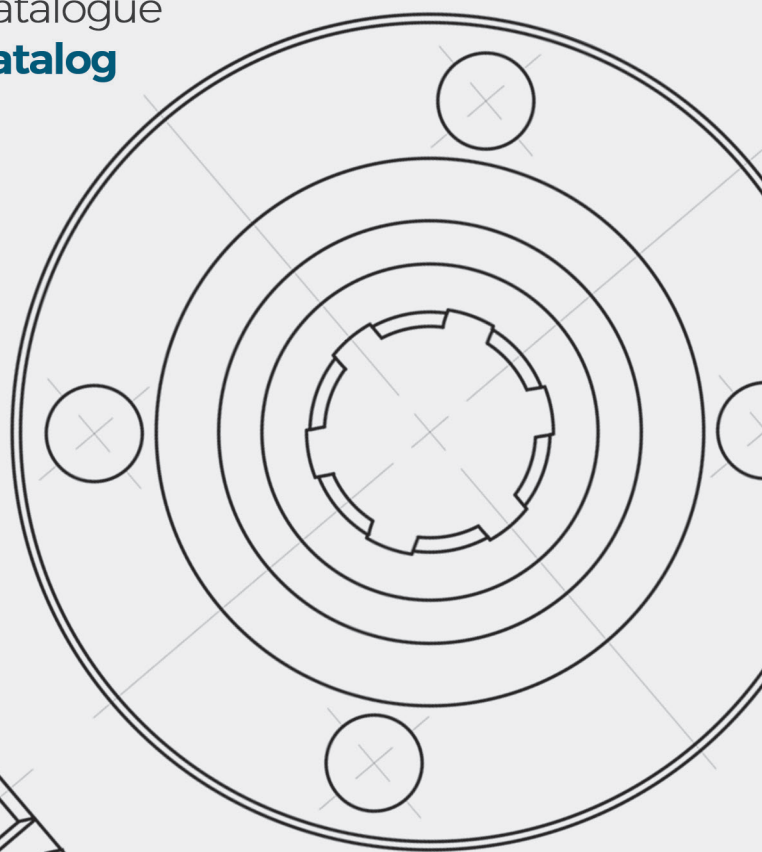




 **blue**
ascend
hydraulics

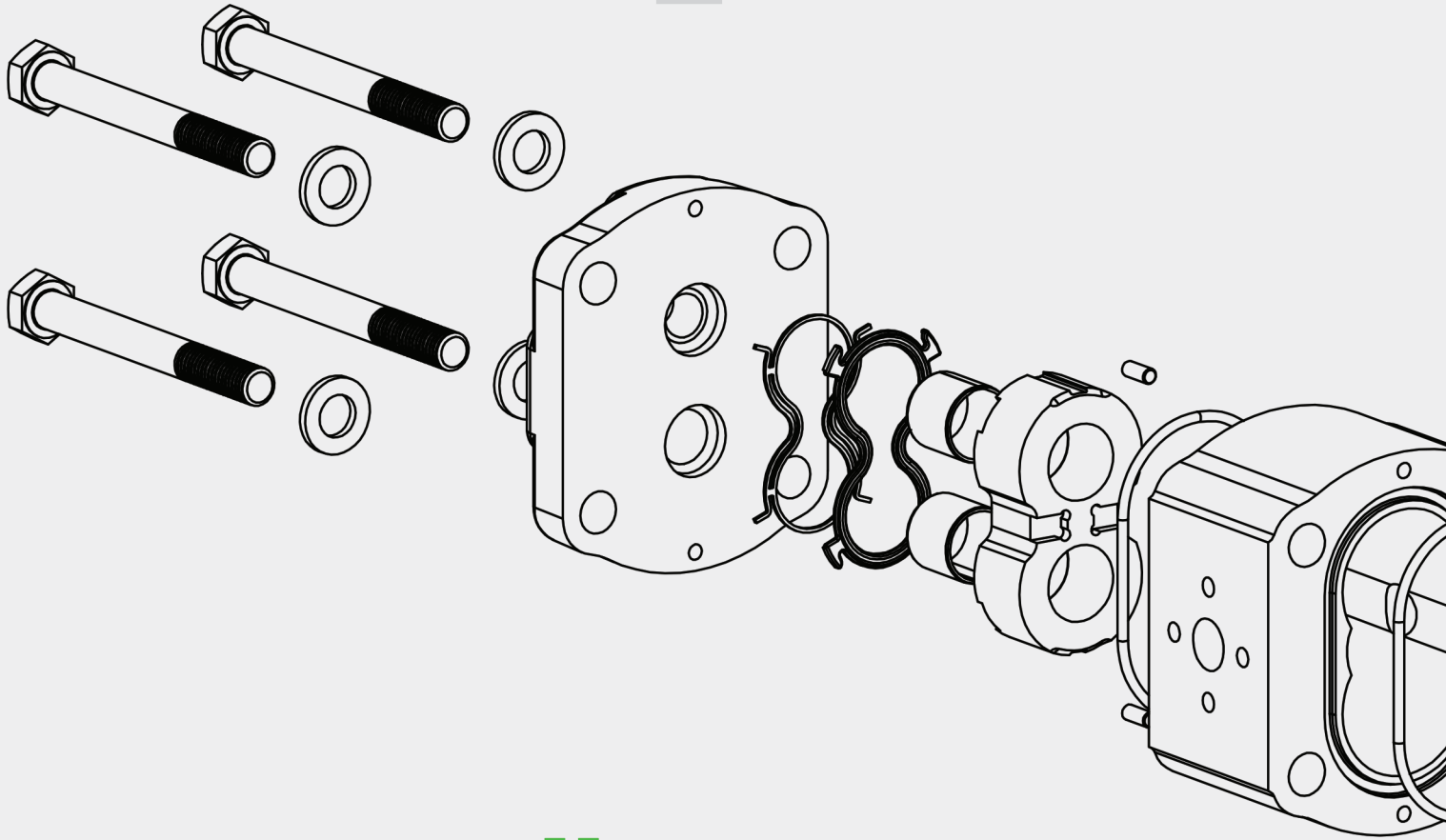
technical catalogue
teknik katalog



blueascend.com



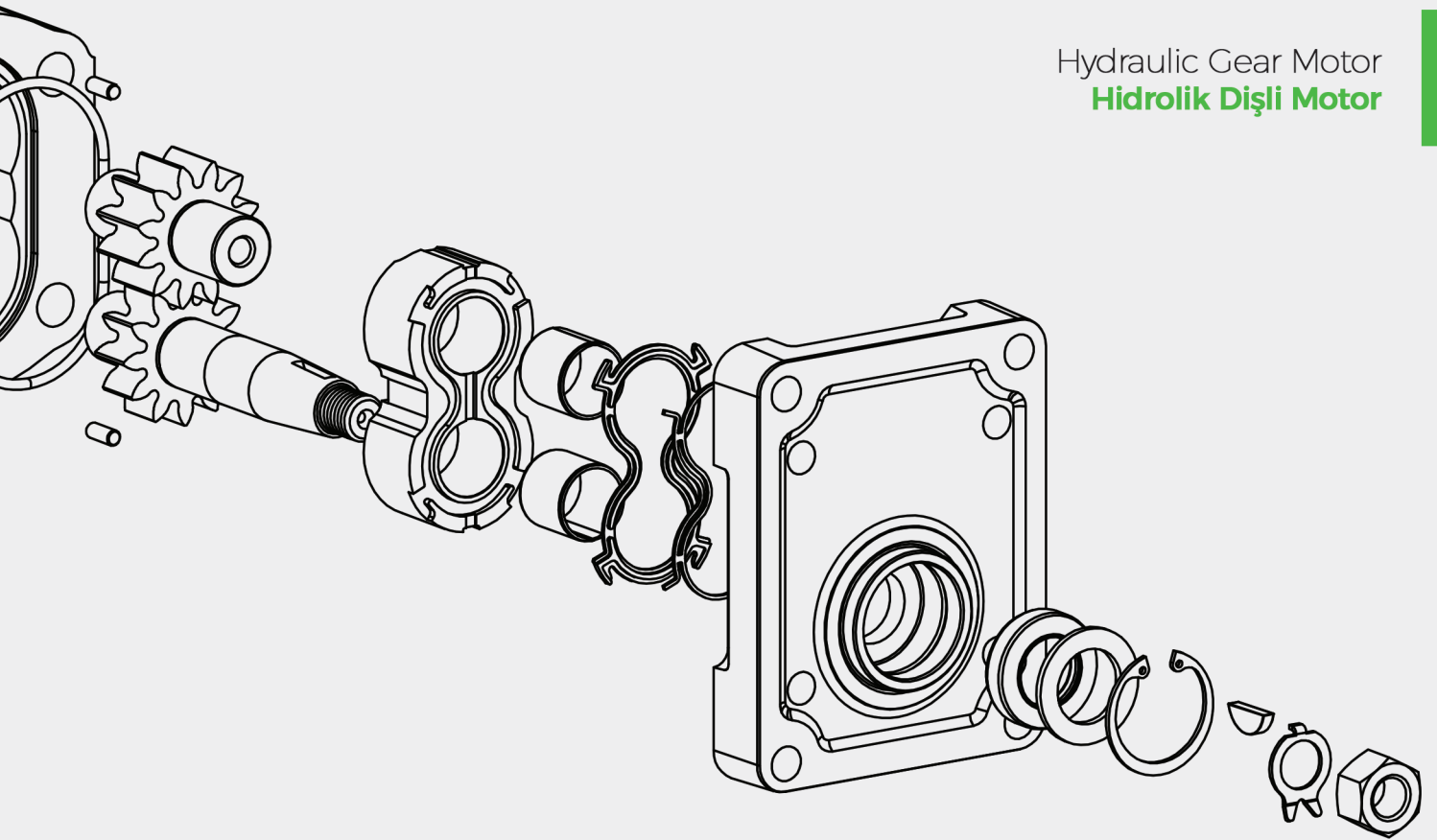
Every Machine Deserves High Efficiency
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HYDRAULIC

GEAR
MOTOR

Hydraulic Gear Motor
Hidrolik Dişli Motor



1. GENEL BİLGİLER

Blue Ascend dişli motorları yüksek mukavemetli alüminyum alaşımlı gövde ekstrüzyon/döküm ve üç ana parçadan meydana gelmektedir.

Bu motorlar, yüksek performansı ve uzun çalışma ömründen dolayı modern hidrolik sistemlerde geniş bir şekilde kullanılmaktadır. Blue Ascend dişli motorları farklı iletim hacmi ve farklı dişli genişlikleri ile standart olarak bulunmaktadır. Daha fazla konfigürasyon varyantları için farklı flanş ve dişli kombinasyon seçenekleri mevcuttur.

2. KONSTRÜKSİYON

Dişli motorlar genel olarak alüminyum /döküm gövde, bir çift dişli, iki burç yatak, ön kapak ve arka kapaktan oluşur. Tahrik eden mil ön kapaktan geçerek şaft keçesi ile keçelendirilmiştir. Yatak kuvvetleri, özel yatak esnekliği ile temas hattı yerine, yüzey teması üretmek

için burç tarafından absorbe özelliği vardır. Ayrıca düşük hızlarda mükemmel direnç sağlar. Debi pulsasyonu ve gürültü seviyesi minimuma indirilmiştir.

Burç iç sızdırmazlık keçeler üzerinde basınca bağlı olarak kuvvetler elde edilir ve bu optimum verimliliği sağlar.

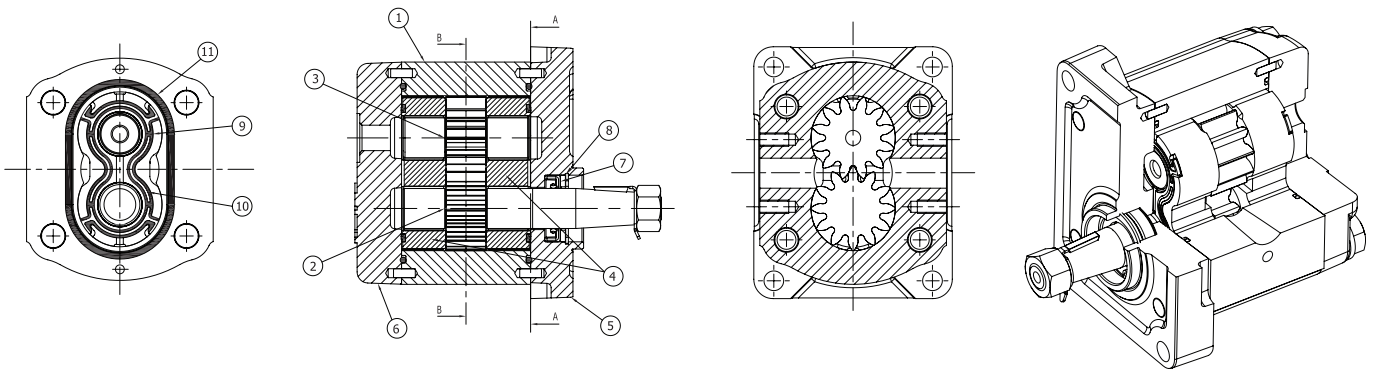
Aksi belirtilmedikçe, keçeleri yüksek çekme mukavemetine ve sıcaklığa dayanıklı nitril kauçuk (NBR) olmalıdır. İstenilmesi durumunda viton keçeler kullanılmalıdır.

1. GENERAL INFORMATION

Blue Ascend external gear motors are built in three main pieces with an in high resistance aluminium alloy extruded /cast iron body. These external gear motors are widely used in modern hydraulic systems due to their long service life and high performance. Blue Ascend external gear pumps are available as standard gear motors with different displacement and gear widths. Further configuration variants are given by different flanges, shafts, and multiple pump combinations.

2. CONSTRUCTION

The external gear motor consists of an aluminium/cast iron body, a pair of gears supported in bearing bushings and a front and a rear cover. The drive shaft protrudes from the front cover where it is sealed by the shaft seal ring. The bearing forces are absorbed by special bearing bushings with sufficient elasticity to produce surface contact instead of line contact. They also ensure excellent resistance to galling especially at low speed. Flow pulsation and noise emission decrease to a minimum level. The internal sealing is achieved by forces which are proportional to delivery pressure. Unless otherwise specified, the seals are in nitrilic compound (NBR) offering high mechanical strength and heat resistance. Viton seals are available on request.



1. Gövde / Body
2. Tahrik Eden Dişli / Drive Gear
3. Tahrik Edilen Dişli / Driven Gear
4. Burç / Bushing
5. Ön Kapak / Front Cover

6. Arka Kapak / Rear Cover
7. Şaft Keçesi / Shaft Seal
8. Destek Pulu / Backing Washer
9. Takviye Keçesi / Back Up Seals
10. Burç Kulak Keçesi / Bush Lobe Seals
11. Gövde Keçesi / Body Seals

3. MOTOR DÖNÜŞ YÖNÜ

Motorun ön tarafından bakıldığında ve tahrik eden dişli aşağıya gelecek şekilde motor dönüş yönü belirlenir.(şekillere bakınız).

Sağ dönüşlü motorların(C) tahrik eden dişli sağa(saat yönünde) dönecek, çıkış deliği sağda ve giriş deliği solda olacaktır.

Sol dönüşlü motorların(A) tahrik eden dişli sola (saat yönünün tersine) dönecek, çıkış deliği solda ve giriş deliği sağda olacaktır.

Çift yönlü motorlarda dönüş yönünü belirlemeye gerek yoktur. İki portta giriş ve çıkış portu olarak kullanılabilir.

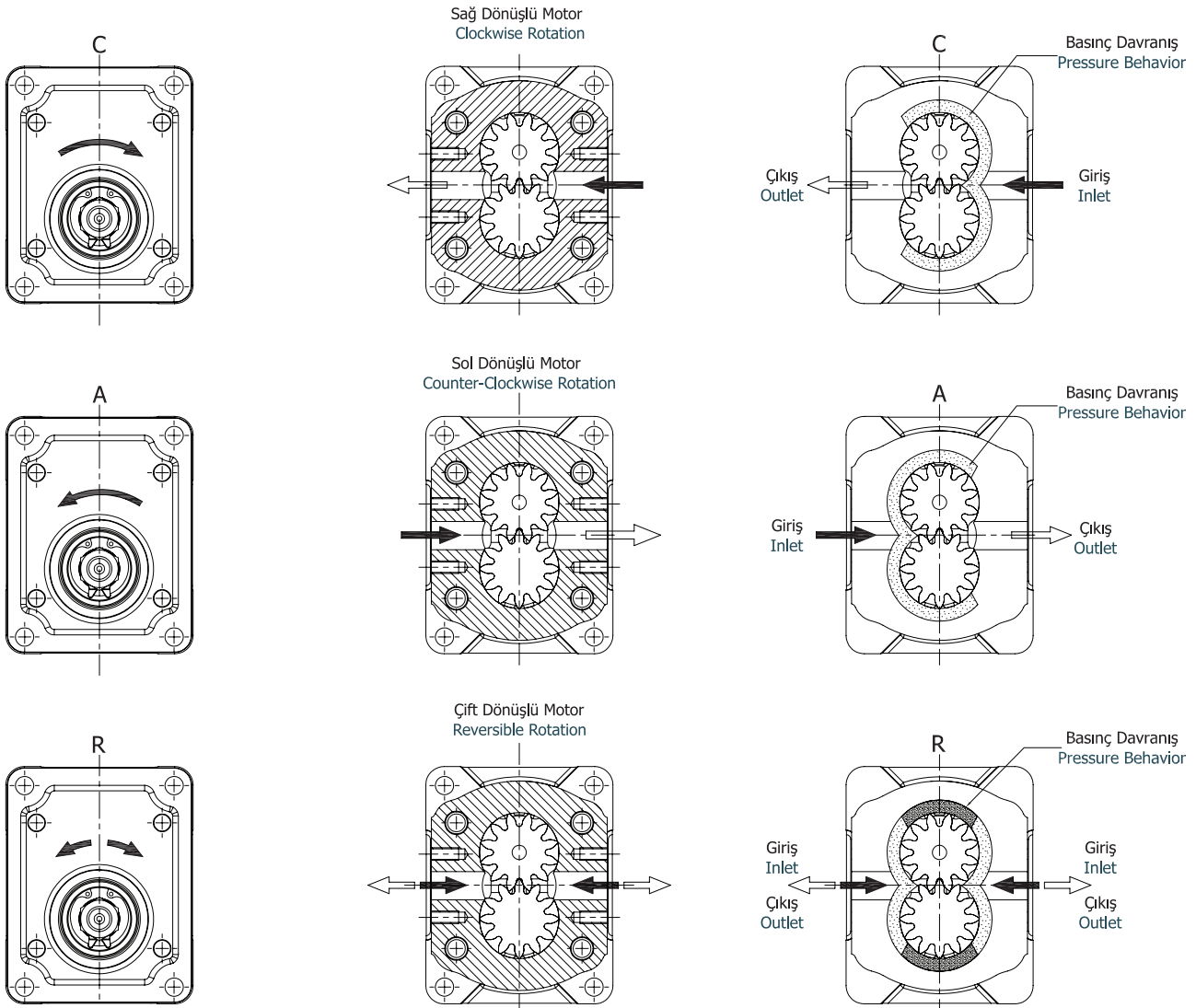
3. MOTOR DIRECTION OF ROTATIONS

The direction of rotation of a gear motor is identified by looking at the pump from the front coverside and with the drive gear turned down (see figures below).

Motors with clockwise rotation (C) have a drive gear which turn clockwise, with the suction port on the right and the pressure port on the left.

Motors with counter-clockwise rotation (A) have a drive gear which turns counter-clockwise, with the suction port on the left and the pressure port on the right.

There is no need to identify the direction of rotation of a reversible motor. Both ports can be used either as inlet and outlet port.



4. MOTORUN BAĞLANMASI

Motorlar, 2 veya 4 civata ve merkezleme çapı ile basit olarak ön kapaktan bağlanırlar. Merkezleme çapının oturacağı yuvanın kullanıcı tarafından yapılacak kısımda 1x45o pah kırılarak kaygan geçme toleranslarında işlenmesi, motorun yerine daha hassas geçmesini sağlar. En az titreşim için, rijit yapılan giriş çıkış bağlamaları yerine, hidrolik hortumlarla yapılacak bağlamalar tercih edilmelidir.

5. MOTOR GİRİŞ VE ÇIKIŞ

Motorlar pompalara göre ters çalışma prensibine sahiptir. Tahrik ters yönden uygulanırsa hidrolik motorlar pompaya dönüşebilir. Tek yönlü motorlar asimetrik burç sızdırmazlık keçesine sahipken, çift yönlü motorlar iki portunun da hem giriş hem de çıkış portu olarak kullanılmasına imkan sağlayan simetrik keçe sahiptirler. Asimetrik keçe dizaynlarından dolayı tek yönlü motorlarda isteğe göre dönüş yönü değişimi yapılamaz bundan dolayı iki yönde çalışma mümkün değildir.

Tek Yönlü Motorlar;

Düşük çıkış basıncı yağın kaçmasını önleyen şaft keçesine basınç uygulamaktadır ve şaft keçesini destekleyen seğman da onu desteklemektedir. Kaçak yağ çıkış kısmından tahliye edilmektedir. Maksimum çıkış basıncı değeri şaft keçesi tarafından sınırlanmıştır ve bu değer 3,5 barı aşmamalıdır.

Çift Yönlü Motorlar;

Sızdırmaz alan yağ tuta şaft alanına bağlıdır ve bu alanın basıncı, arka kapakta yer alan sızıntı hattı vasıtasıyla sınırlanmalıdır. Sızıntı hattında kullanılacak boru, sızıntı hattının basıncının 3,5 barı aşmayacak şekilde seçilmelidir. Ayrıca ilave dış sızıntı bağlantı hatlarından kaçınmak için iç sızıntılı motorlar da kullanılabilir. Bu motorlarda iç sızıntı içteki çek valflerle dışarıya verilmektedir.

4. MOTOR MOUNTING

The motors are easily mounted from the flange with the help 4 or 2 bolts and the spiğot location. The counter bore to receive the mounting flange spiğot should have a 1 mm chamfer at 45 on the motor side to ensure proper fitting. It is good practice to use flexible hose adjacent to the pump in both the suction and pressure lines to minimize vibration, which can be transmitted to the motor by rigid pipe runs.

5. MOTOR OUTLET AND INLET

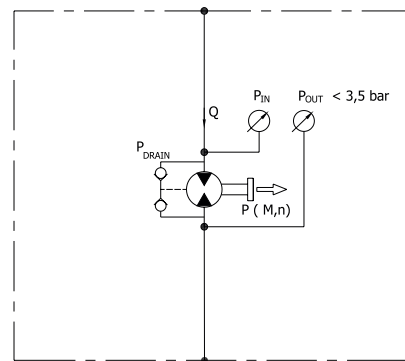
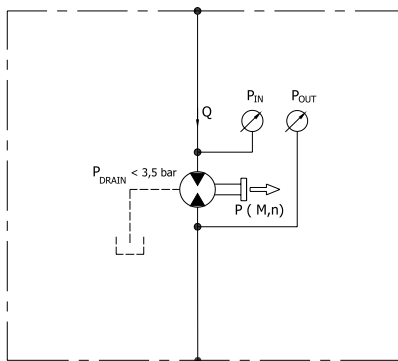
The motors has the inverted working principle with the pumps. Hydraulic motors can become a pump if reverse load occurs. Unidirectional motors has asymmetric balancing seals whereas reversible motors have symmetric balancing seals which allow both port to be; alternatively, as inlet high-pressure and outlet low-pressure port. Because of their asymmetric design, unidirectional motors are not interchangeable at will so reversible operation is not possible for them.

Unidirectional Motors;

The outlet low pressure side loads the back side of the oil retaining shaft seal, a dedicated steel ring for supporting it, is adopting. Leakage oil is discharged internally to the outlet side. The maximum outlet low-pressure value is limited by the shaft seal and must not exceed 3,5 bar.

Reversible Motors;

The sealed area is connected to the back of the oil retaining shaft area and its pressure must be limited connecting it to the tank, through a drain threaded port, which is placed on the motors rear cover. The drain hose must be chosen in order to avoid the pressure at the drain port does not exceed 3,5 bar. Motor with the internal drain are available in order to avoid the need for an additional leakage-oil connection. The internal leakage oil can be discharged via internal check valves.



Şekil 1 - Figure 1

6. FİLTASYON

Birçok erken dişli motor arızalarının nedeni hidrolik sistemlerdeki kirlilik oranıdır. Bu gibi durumlarda garanti kirlilikten kaynaklanan aşınmaları kapsamaz. Etkin filtreleme sistemi kullanımı ve düzenli bakım programı uygulama hidrolik sistemlerde gereklidir. Her durumda filtreleme sistemi aşağıdaki tabloda yer alan müsaade edilebilir kirlilik derecelerine eşit yada düşük kirlilik sağlamalıdır.

6. FILTRATION

The largest number of premature failures of gear motor is happening due to contamination in hydraulic system. In this case the guarantee does not cover the wear resulting from dirtiness in the system. In order to avoid these kinds of failures, it is essential to have an effective filter in the system and to carry out the regular maintenance schedule. In any case, the filtering system must constantly ensure an oil contamination class equal to or less than those shown in the table below.

Çalışma basıncı Operating pressure	> 170 bar	< 170 bar
Kirlilik sınıfı Contamination class NAS 1638	9	10
Kirlilik sınıfı Contamination class ISO 4406	18/15	19/16
Filtre Obtain with filter→ (Bx=75)	20	25

7. TAVSİYE EDİLEN YAĞ

Bütün hidrolik sistemlerde ISO/DIN ve SAE standartlarında belirtilen mineral esaslı hidrolik yağ kullanılması tavsiye edilir. Tavsiye edilen viskozite aralığı 20/120 (cSt) ve 700 (cSt)'ye kadar müsaade edilebilir.

8. ÇALIŞMA SICAKLIĞI

Bu motorlarda çalışma sıcaklığı;

- * NBR keçeler için 0 C ile +80 C arasında devamlı ve -20 C ile +100 C aralıklı,
- * Viton keçeler için 0 C ile +100 C arasında devamlı ve -20 C ile + 120 C arasında aralıklı olarak çalışırlar.

7. RECOMMENDED FLUIDS

We recommend using only mineral oil based hydraulic fluids that comply with the ISO/DIN or SAE standards. Recommended viscosity range is 20/120 (cSt) and permitted up to 700 (cSt).

8. OPERATION TEMPERATURE

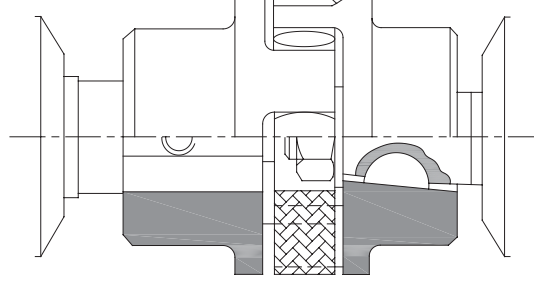
- * Operation for NBR seals between 0 C and +80 C continuously, and between -20 C and +100 C intermittent,
- * For viton seals between 0 C and + 100 C continuously and between -20 C and + 120 C intermittent.

9. TAHRİK ŞEKİLLERİ

Elastik kaplinler radyal ve eksenel yük taşımazlar. Eksenel ve radyal yönde minimum 0,25 mm boşluğu olan bir kaplin seçilmelidir. Üç parçalı elastik kaplinler tavsiye edilir (şekil 2).

9. DRIVE ARRANGEMENTS

The flexible coupling must not transfer any radial or axial forces to the pump. A coupling allowing a minimum of 0,25 mm radial and axial displacement must be chosen. Flexible compensating with three pieces flexible couplings are recommended (see fig 2).



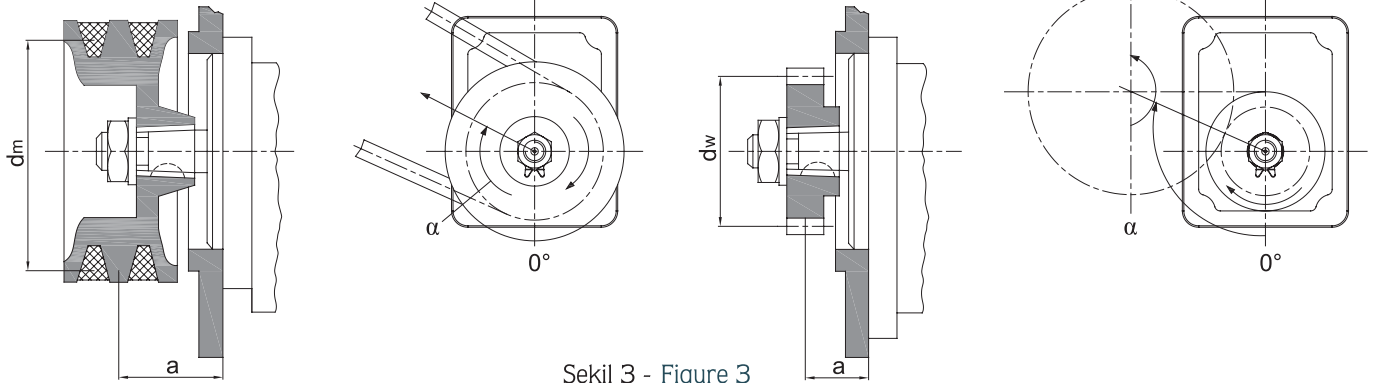
Şekil 2 - Figure 2

10. ÖN YATAKSIZ, KAYIŞ VE DİŞLİ İLE TAHRİK

V kayışı veya dış tahrik dişlisi ile motor tahriki önerildiği zaman aşağıdaki uygulama detayına bakınız (şekil 3).

10. V-BELTS AND GEAR WHEELS WITHOUT OUTBOARD BEARING

When proposing to use V-belt or gear drive, please see fig 3.



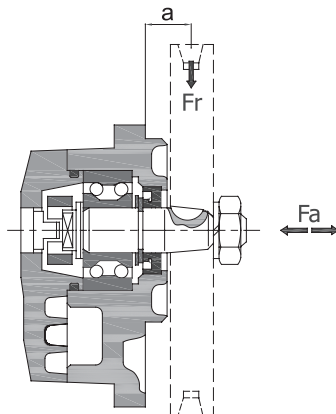
Şekil 3 - Figure 3

11. ÖN YATAK

Ön yataksız motorların V kayışı ve dış dişli ile tahrik edildiği zaman, çıkabilecek muhtemel problemler karşısında ön yatak kullanılmaktadır.

11. OUTBOARD BEARING

Outboard bearings eliminate possible problems when the motors are driven by V-belts gear wheels.



12. DİŞLİ MOTOR HESAPLARI

Motor dizayn hesaplarında aşağıdaki parametreler esas alınır.

12. CALCULATION THE SPECIFICATION OF A GEAR MOTOR

The design calculation for motors are based on the following parameters.

V(cm³ / dev) : İletim HacmiV(cm³ / rev) : Displacement

Q(lt/dak) : Debi

Q(l/min) : Flow Range

ΔP(bar) : Basiç

ΔP(bar) : Pressure

M(Nm) : Döndürme Torku

M(Nm) : Drive Torque

n(d/d) : Hız

n(rpm) : Speed

N(kw) : Güç

N(kw) : Power

ηv(%) : Volumetrik Verim

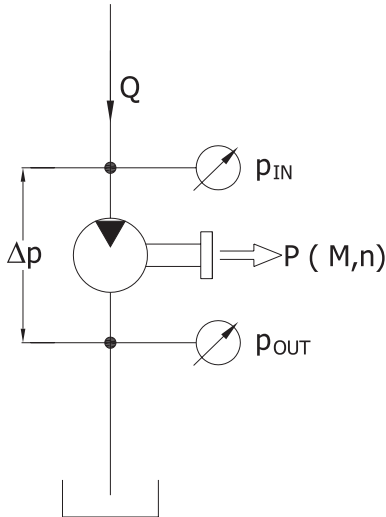
ηv(%) : Volumetric Efficiency

ηm(%) : Mekanik Verim

ηm(%) : Mechanical Efficiency

ηt(%) : Toplam Verim

ηt(%) : Total Efficiency

FORMÜLLER
FORMULAS

$$Q = \frac{V \cdot n}{1000 \cdot \eta_v}$$

$$N = \frac{Q \cdot \Delta P \cdot \eta_t}{600}$$

$$M = \frac{V \cdot \Delta P \cdot \eta_m}{20 \cdot \pi}$$

$$\eta_t = \eta_m \cdot \eta_v$$

Tavsiye Edilen Verim

Recommended Efficiency

$$\eta_v = \%95$$

$$\eta_m = \%87 - \%90$$

$$\eta_t = \%82$$

GRUP 20 MOTORLARIN KODLAMA SİSTEMİ
ORDERING CODE OF GROUP 20 MOTORS

APM20 . 115 . R A B 02 E G O N

Motor Tipi / Motor Type	
APM20	Alüminyum Gövdeli Düz Dişli Motor Aluminium Body Gear Motor
DKM20	Döküm Gövdeli Düz Dişli Motor Cast Iron Body Gear Motor

İletim Hacmi / Displacement cm ³ /dev (cm ³ /rev)
040 = 3,9 cm ³ /dev (cm ³ /rev)
060 = 5,9 cm ³ /dev (cm ³ /rev)
080 = 8,0 cm ³ /dev (cm ³ /rev)
095 = 9,4 cm ³ /dev (cm ³ /rev)
115 = 11,4 cm ³ /dev (cm ³ /rev)
140 = 13,9 cm ³ /dev (cm ³ /rev)
160 = 16,0 cm ³ /dev (cm ³ /rev)
190 = 19,2 cm ³ /dev (cm ³ /rev)
220 = 21,9 cm ³ /dev (cm ³ /rev)
250 = 24,8 cm ³ /dev (cm ³ /rev)
280 = 27,9 cm ³ /dev (cm ³ /rev)
320 = 32,0 cm ³ /dev (cm ³ /rev)
340 = 34,0 cm ³ /dev (cm ³ /rev)
380 = 38,0 cm ³ /dev (cm ³ /rev)
400 = 40,0 cm ³ /dev (cm ³ /rev)

Dönüş Yönü / Rotation	
A	Sol dönüş / Counter-clockwise
C	Sağ dönüş / Clockwise
R	Çift dönüş / Reversible

Ön Yatak Outboard Bearing	
O	Var / Available
	Yok / Absent

Keçe / Seal	
N	NBR
V	Viton

Sızıntı Hattı Drain Line	
G	G1/4"
U	7/16-20 UNF
M	M12x1,5

Arka Kapak / Rear Cover	
S	Standart Standard
E	Arkadan Dış Sızıntı Hattı External Drain Rear Port
R1	Emniyet Valfi (10 - 90 Bar) Relief Valve
R2	Emniyet Valfi (70 - 140 Bar) Relief Valve
R3	Emniyet Valfi (120 - 190 Bar) Relief Valve
D	Akış Bölücü Valf Flow Divider Valve
H	Emniyet Valfli Akış Kontrol Valfi Flow Control Valve With Relief Valve
L	Yük Duyarlı Valf Load Sensing Valve
T	Çek Valf Check Valve
P	Arkadan Giriş-Çıkış Rear Inlet-Outlet
C	Basınç Kompansatörü Akış Kontrol Valfi Flow Control Valve Pressure Compensated

Ön Kapak / Front Cover		
A	Dikdörtgen kapak Square flange	Ø36,47 mm
B	2 Civatalı - Merkezleme 2 Bolts - Centering	Ø50 mm
C	2 Civatalı - Merkezleme ve oringli 2 Bolts - Centering with oring	Ø52 mm
D	2 Civatalı SAE 'A' 2 Bolts SAE 'A'	Ø82,55 mm
E	2 Civatalı - Merkezleme 2 Bolts - Centering	Ø50 mm
G	Dikdörtgen kapak Square flange	Ø80 mm
H	Ön yataklı Outboard bearing	Ø80 mm
K	2 Civatalı SAE 'B' 2 Bolts SAE 'B'	Ø101,6 mm
M	2 Civatalı - Merkezleme 2 Bolts - Centering	Ø52,34 mm
N	4 Civatalı - Merkezleme O-ringli 4 Bolts - Centering O-ring	Ø52 mm

Tahrik şaftı / Drive Shaft		
A	Konik - Kamalı Tapered key shaft	1:5
B	Konik - Kamalı Tapered key shaft	1:8
C	SAE spline şaft 9 diş SAE spline shaft 9T	
E	Kesik şaftlı Tang drive shaft	
F	SAE spline şaft 11 diş SAE spline shaft 11T	
G	Spline şaft DIN 5482 Spline shaft (B17x14)	
H	Paralel şaft Parallel shaft	
K	Konik - Kamalı Tapered key shaft	1:5
L	Konik - Kamalı Tapered key shaft	1:5
M	SAE spline şaft J498 10 diş SAE spline shaft 16/32 DP 10T	
N	Konik - Kamalı Tapered key shaft	1:8
T	Kesik şaftlı Tang drive shaft	

Giriş - Çıkış Delikleri / Inlet and Outlet Ports	
01	Kare tip Rectangular
02	Baklava tip Diamond
03	Metrik dişli ISO 6149 oring boss
04	UNF diş UNF thread
05	Boru diş Pipe thread
06	SAE Dikdörtgen Flanş Metrik diş SAE Square Flange Thread Metric

- Kodlama Örneği ; APM20.115.RAB02EGN
Code Example

Grup 20 motorlar 4 cc³/dev. 'den 40 cc³/rev. 'e kadar ki iletim hacmine sahip motorlardır. Kendi içinde APM20,DKM20 olarak 2 gruba ayrılır. Aşağıdaki Tablo da bu 2 grubun birbirinden farklı olan teknik özellikleri belirtilmiştir;

- APM20 (Aluminyum Gövdeli Düz Dişli Motorlar)
- DKM20 (Döküm Gövdeli Düz Dişli Motorlar)

Group 20 motors has a working capacity from 4 cc³/rev to 40 cc³/rev. It has 2 sub-groups in itself as APM20, DKM20. The differences between the 2 sub-groups technical specifications can be found on the below table.

- APM20 (Aluminium Body Gear Pumps)
- DKM20 (Aluminium Body Gear Pumps)

APM20 TEKNİK ÖZELLİKLER / APM20 TECHNICAL DATA

Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç / Max. Pressure			Maks. Hız Max. Speed	Min. Hız Min. Speed
		P1	P2	P3		
		bar			d/d (rpm)	
APM20.040	3,9	250	280	300	3500	650
APM20.060	5,9	250	280	300	3500	650
APM20.080	8,0	250	280	300	3500	650
APM20.095	9,4	250	280	300	3500	600
APM20.115	11,4	250	280	300	3000	600
APM20.140	13,9	250	280	300	3000	600
APM20.160	16,0	250	280	300	3000	600
APM20.190	19,2	250	280	300	3000	600
APM20.220	21,9	210	240	260	2500	600
APM20.250	24,8	190	220	240	2500	600
APM20.280	27,9	170	220	220	2200	600
APM20.320	32,0	160	190	210	2000	500
APM20.340	34,0	150	180	200	2000	500
APM20.380	38,0	140	170	190	1750	500
APM20.400	40,0	130	170	190	1750	500

P1: Sürekli çalışma basıncı
Continuous pressure

P2 : Aralıklı çalışma basıncı
Intermittent pressure

P3 : Ani basınç
Peak pressure

DKM20 TEKNİK ÖZELLİKLER / DKM20 TECHNICAL DATA

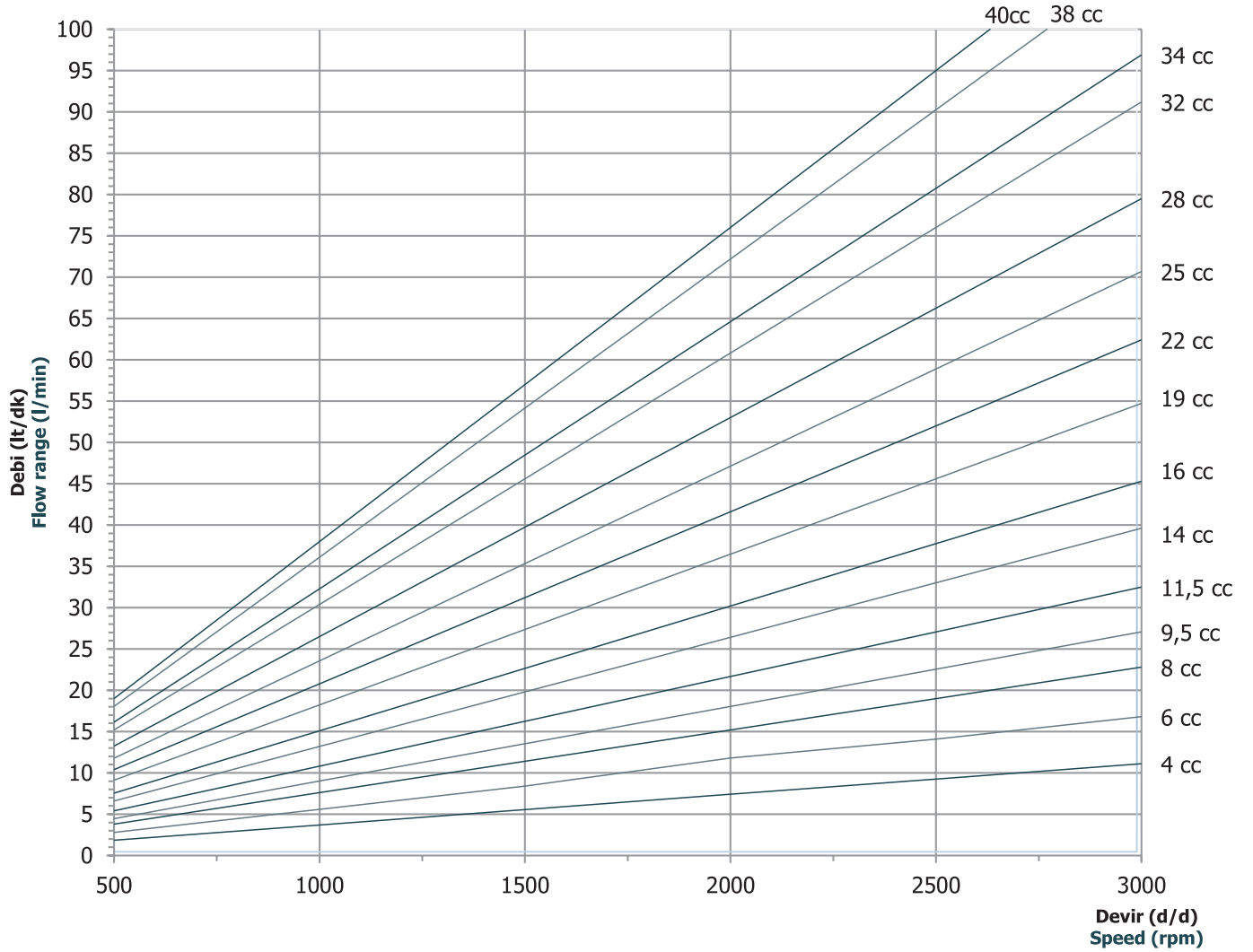
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç / Max. Pressure			Maks. Hız Max. Speed	Min. Hız Min. Speed
		P1	P2	P3		
		bar			d/d (rpm)	
DKM20.040	3,9	280	300	320	3500	650
DKM20.060	5,9	280	300	320	3500	650
DKM20.080	8,0	280	300	320	3500	650
DKM20.095	9,4	280	300	320	3500	600
DKM20.115	11,4	280	300	320	3000	600
DKM20.140	13,9	280	300	320	3000	600
DKM20.160	16,0	280	300	320	3000	600
DKM20.190	19,2	280	300	320	3000	600
DKM20.220	21,9	240	260	280	2500	600
DKM20.250	24,8	220	240	260	2500	600
DKM20.280	27,9	200	240	260	2200	600

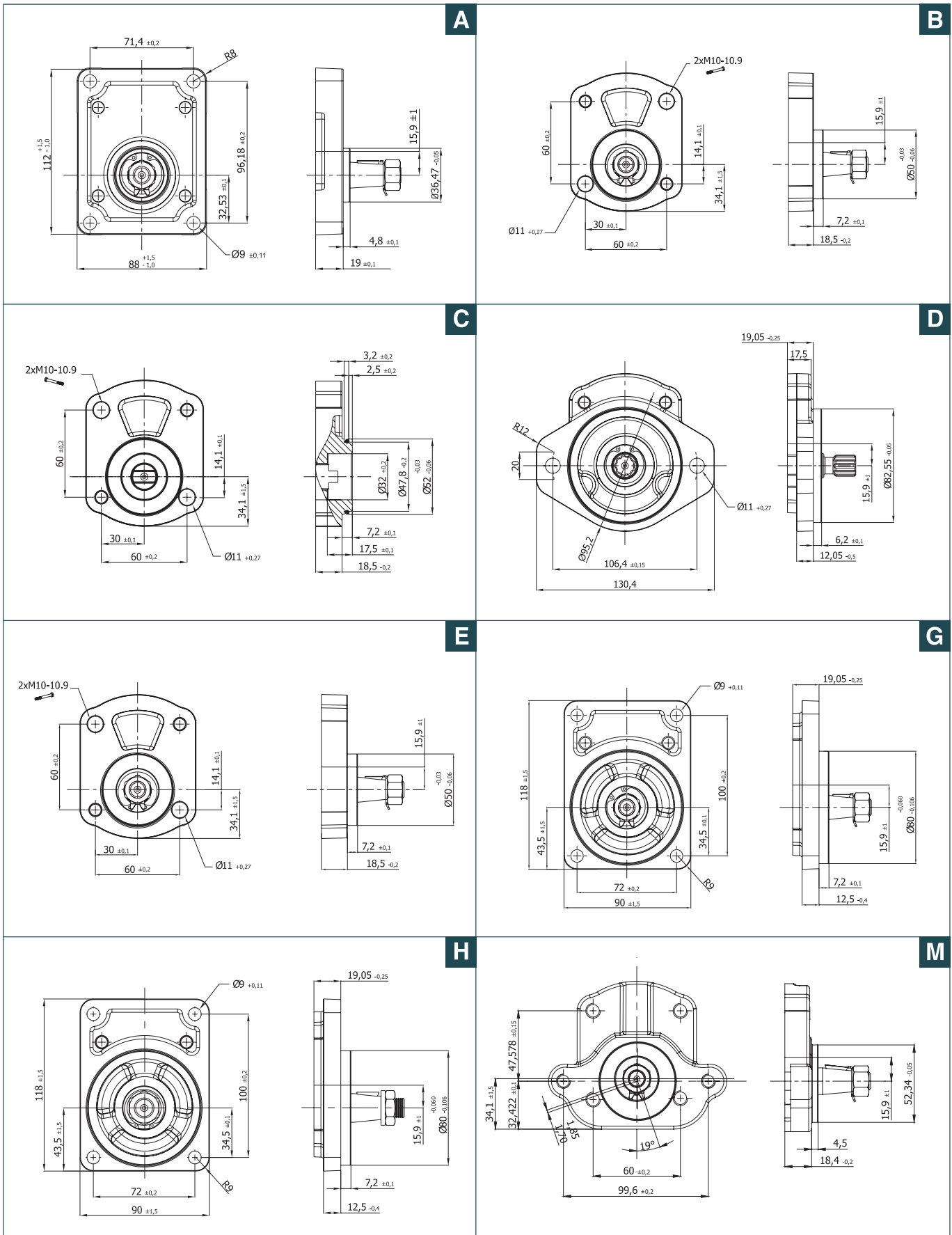
P1: Sürekli çalışma basıncı
Continuous pressure

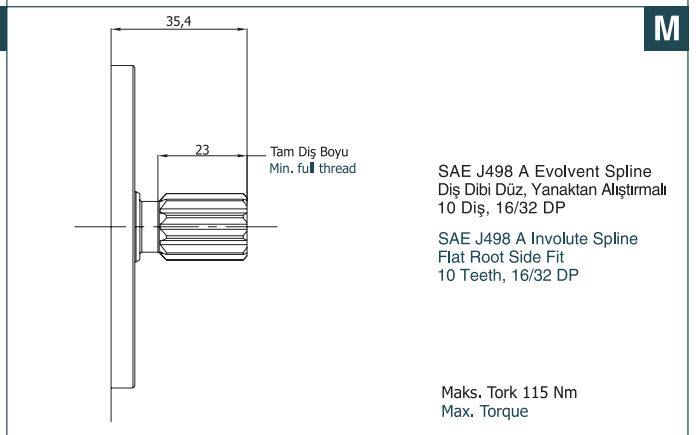
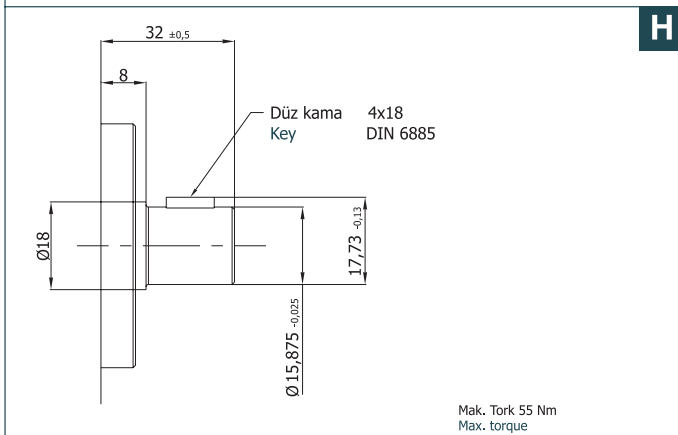
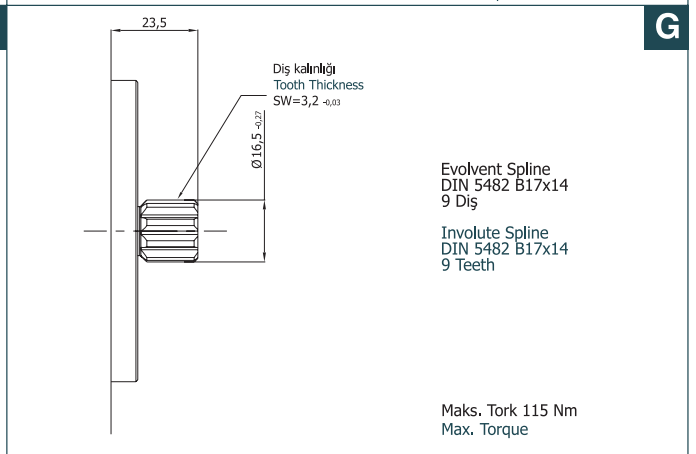
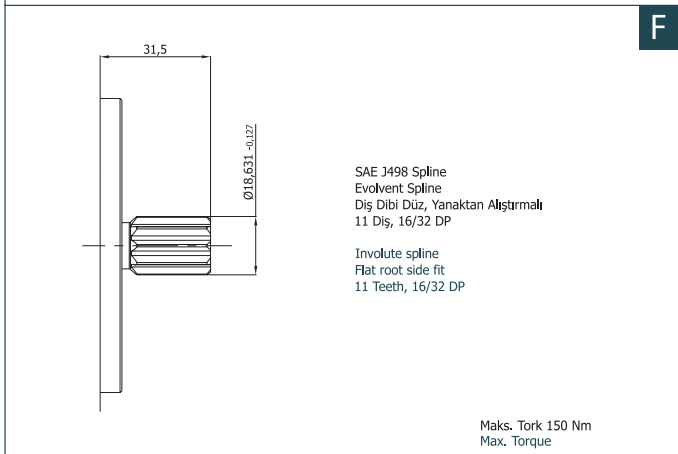
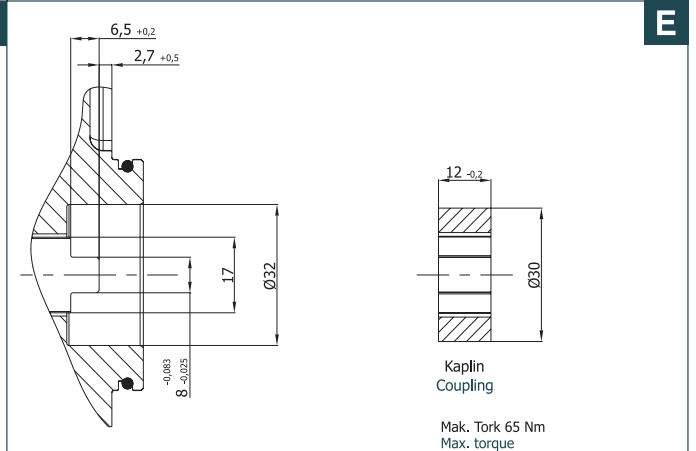
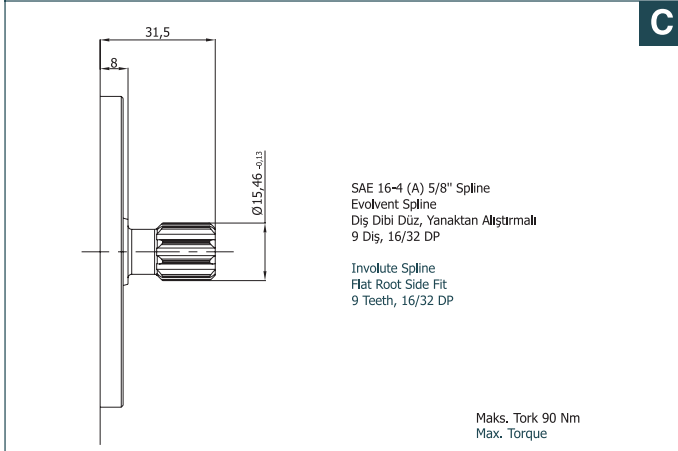
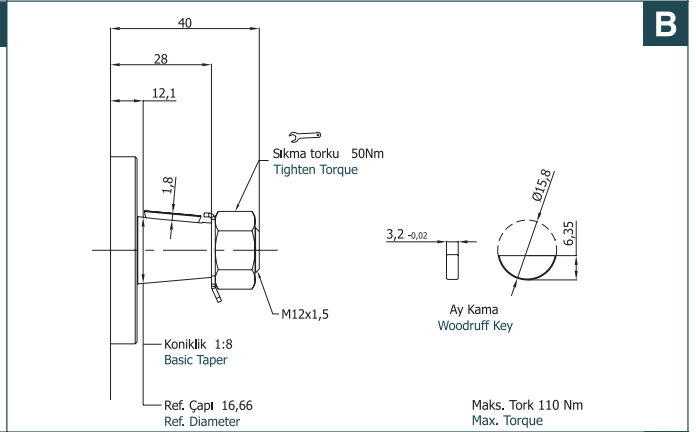
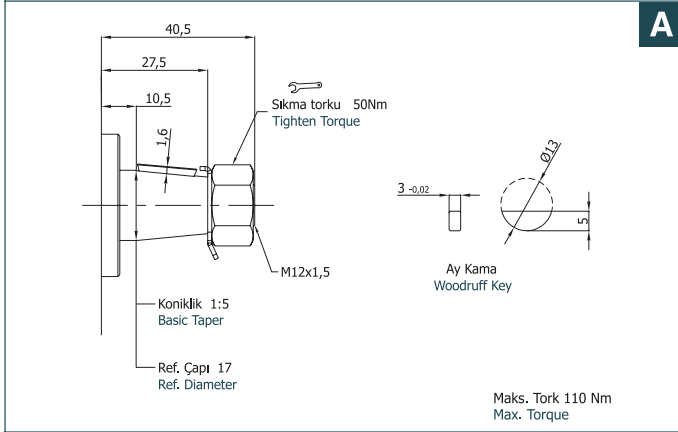
P2 : Aralıklı çalışma basıncı
Intermittent pressure

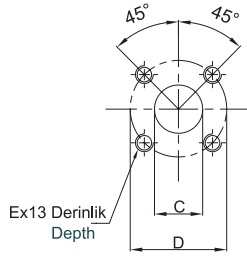
P3 : Ani basınç
Peak pressure

GRUP 20 MOTORLARIN DEBİ EĞRİLERİ / FLOW CURVES OF GROUP 20 MOTORS



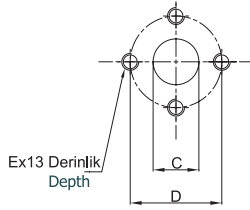






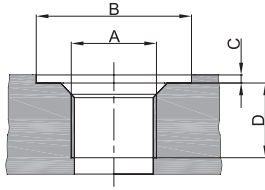
01 Kare Tipi Flanş
Rectangular Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
	4	12	40	M6	12	35	M6
	6	13,5			13,5		
	8 - 25	20			15		
	28 - 40	20	20	40			
	4 - 16	15	35	M6	15	35	M6
	19 - 40	20	40		20	40	



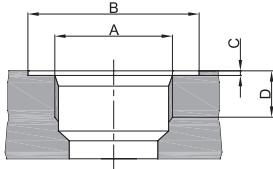
02 Baklava Tipi Flanş
Diamond Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
	4	12	30,2	M6	12	30,2	M6
	6 - 8	13,5			13,5		
	9,5 - 25	20			40		
	28 - 40	20	40	40			
	4 - 16	13,5	30,2	M6	13,5	30,2	M6
	19 - 40	20	40		M8	20	



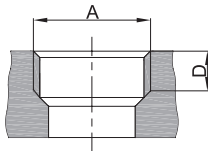
03 Metrik diş / Thread, Oring Boss
Metric ISO 6149 With Seal Ring

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
	4 - 6	M18x1,5	30	0,5	16	M18x1,5	30	0,5	16
	8 - 16	M27x2	40		19	M22x1,5	35		19
	19 - 40	M33x2	45	22	22	40	19		
	4 - 16	M22x1,5	35	0,5	19	M22x1,5	35	0,5	19
	19 - 40	M26x1,5	40		19	M26x1,5	40		19



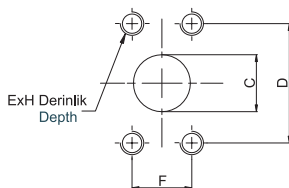
04 Diş / Thread
(UNF-2B) SAE Oring Boss

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
	4 - 6	9/16-18 UNF-2B	25	0,5	13	9/16-18 UNF-2B	25	0,5	13
	8	7/8-14 UNF-2B	35		16	7/8-14 UNF-2B	35		16
	9,5 - 40	1 1/16-12 UNF-2B	45		19	19	45		19
	4 - 16	7/8-14 UNF-2B	35	0,5	16	7/8-14 UNF-2B	35	0,5	16
	19 - 40	1 1/16-12 UNF-2B	45		19	1 1/16-12 UNF-2B	45		19



05 Boru diş / Pipe Thread
ISO228/1

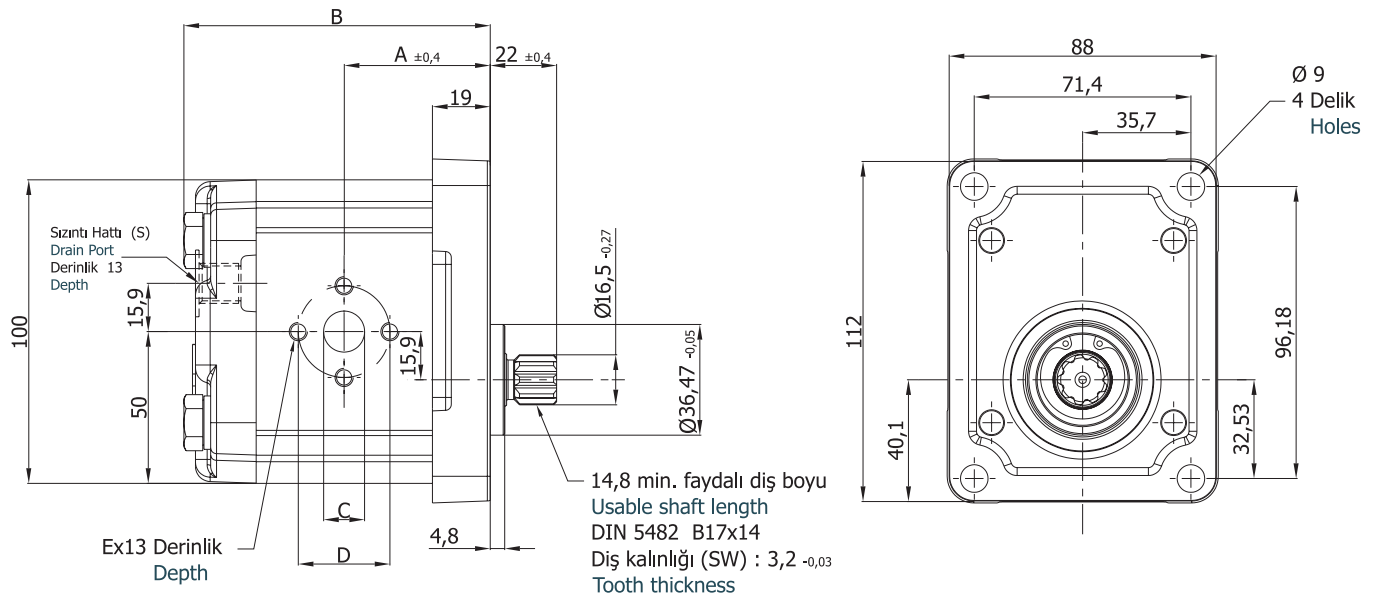
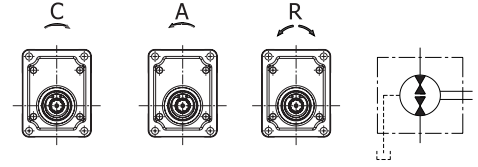
Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side		Basınç Tarafı Pressure Side	
		A	D	A	D
	4 - 16	G ¾	16	G ½	16
	19 - 40	G 1		G ¾	
	4 - 16	G ½	16	G ½	16
	19 - 40	G ¾		G ¾	



06 SAE Dikdörtgen Flanş Metrik Diş
SAE Square Flange Metric Thread

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side					Basınç Tarafı Pressure Side				
		C	D	E	F	H	c	d	e	f	h
	4 - 11,5	12	38,1	M8	17,5	13	12	38,1	M8	17,5	13
	14 - 19	20	47,6		22,2		20	47,6		22,2	
	22 - 40	26	52,4	M10	26,2	26	52,4	M10	26,2		
	4 - 11,5	12	38,1	M8	17,5	13	12	38,1	M8	17,5	13
	14 - 22	20	47,6		22,2		20	47,6		22,2	
	25 - 40	26	52,4	M10	26,2	26	52,4	M10	26,2		

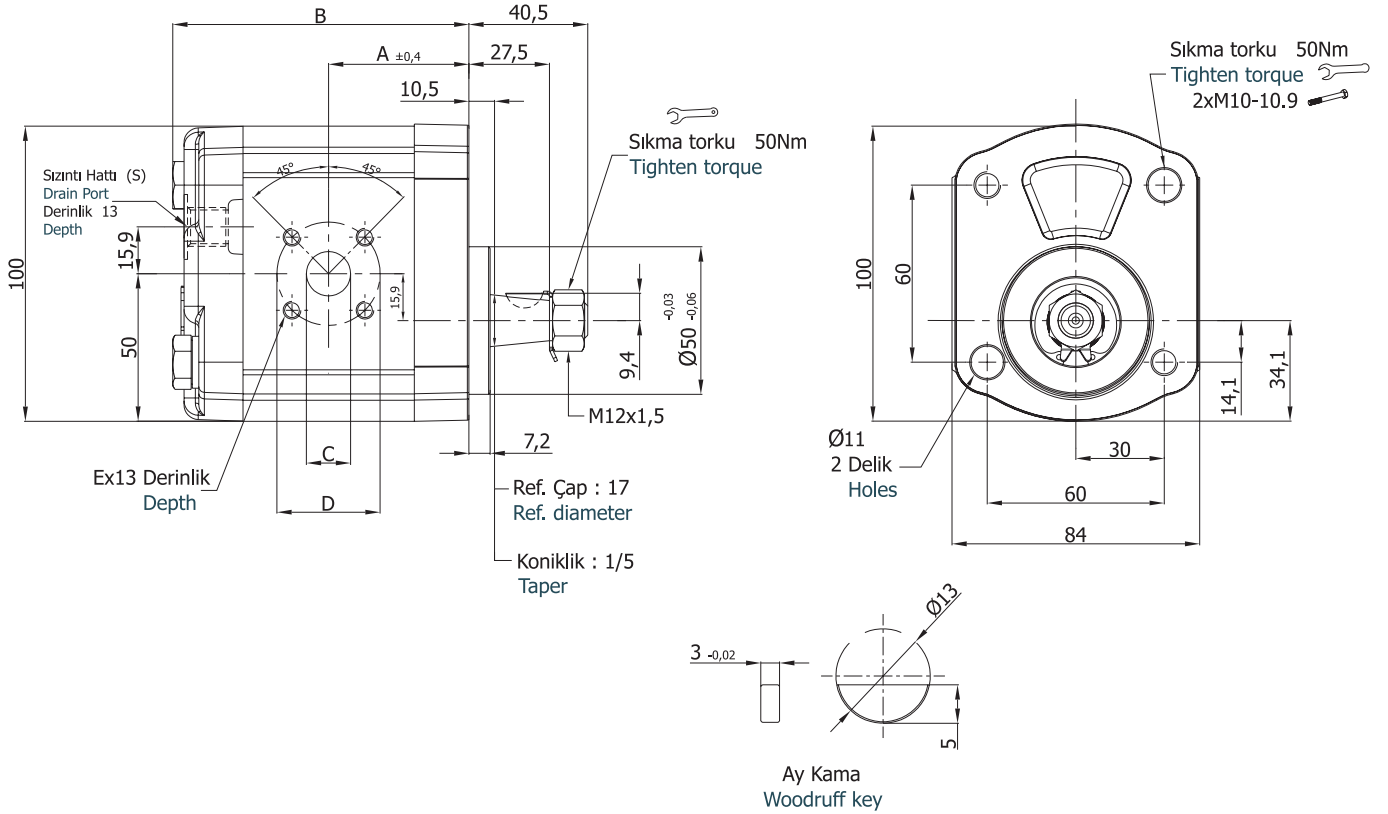
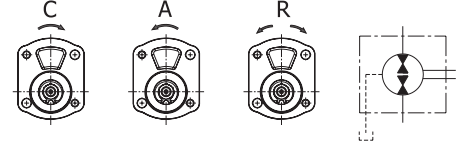
A Ön Kapak
Front Cover

G Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RAG02EGN	3,9	250	3500	42,2	89,3	13,5	30,2	M6	G1/4
APM20.060.RAG02EGN	5,9			43,8	92,4				
APM20.080.RAG02EGN	8,0			45,4	95,6				
APM20.095.RAG02EGN	9,4			46,5	97,9				
APM20.115.RAG02EGN	11,4		3000	48,2	101,0				
APM20.140.RAG02EGN	13,9			50,0	105,0				
APM20.160.RAG02EGN	16,0			51,7	108,1				
APM20.190.RAG02EGN	19,2			60,2	125,1				
APM20.220.RAG02EGN	21,9	210	2500	62,3	129,5	20	40	M8	
APM20.250.RAG02EGN	24,8	190		64,8	134,6				
APM20.280.RAG02EGN	27,9	170	2000	67,0	138,9				
APM20.320.RAG02EGN	32,0	160		70,0	145,0				
APM20.340.RAG02EGN	34,0	140	1750	71,5	148,0				
APM20.380.RAG02EGN	38,0			74,8	154,5				
APM20.400.RAG02EGN	40,0			76,5	158,0				

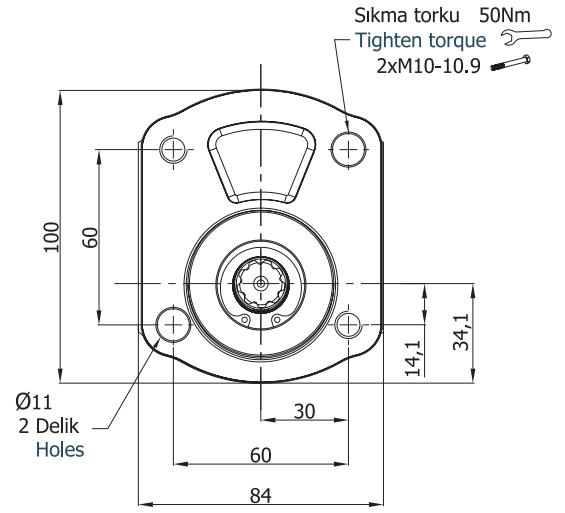
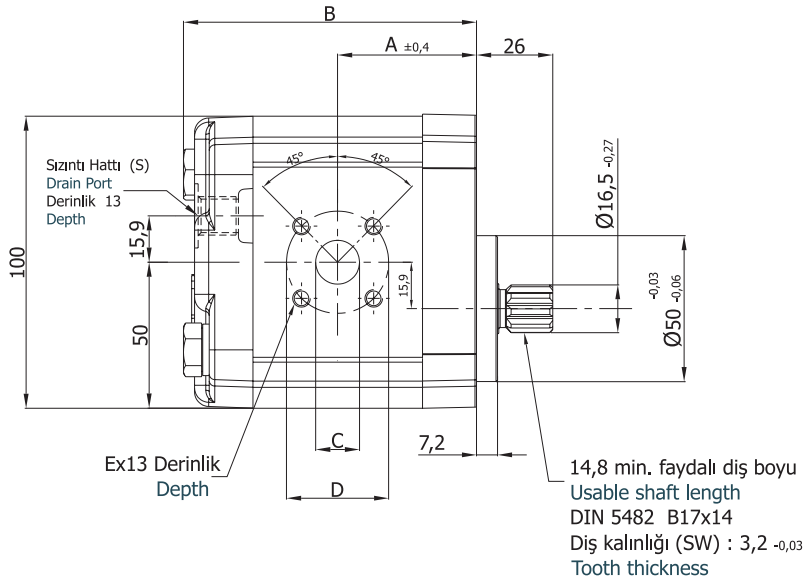
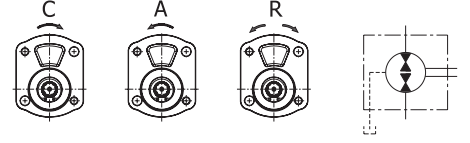
B Ön Kapak
Front Cover

A Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RBA01EMN	3,9	250	3500	41,6	88,7	15	35	M6	M12x1,5
APM20.060.RBA01EMN	5,9			43,2	91,8				
APM20.080.RBA01EMN	8,0			44,8	95,0				
APM20.095.RBA01EMN	9,4			45,9	97,3				
APM20.115.RBA01EMN	11,4		3000	47,6	100,4				
APM20.140.RBA01EMN	13,9			49,4	104,6				
APM20.160.RBA01EMN	16,0			51,1	107,5				
APM20.190.RBA01EMN	19,2			59,6	124,5				
APM20.220.RBA01EMN	21,9	210	2500	61,7	128,9	20	40	M6	M12x1,5
APM20.250.RBA01EMN	24,8	190		64,2	134,0				
APM20.280.RBA01EMN	27,9	170	2200	66,4	138,3				
APM20.320.RBA01EMN	32,0	160		2000	70,0				
APM20.340.RBA01EMN	34,0	150	71,5		147,4				
APM20.380.RBA01EMN	38,0	140	1750	74,8	153,9				
APM20.400.RBA01EMN	40,0			76,5	157,4				

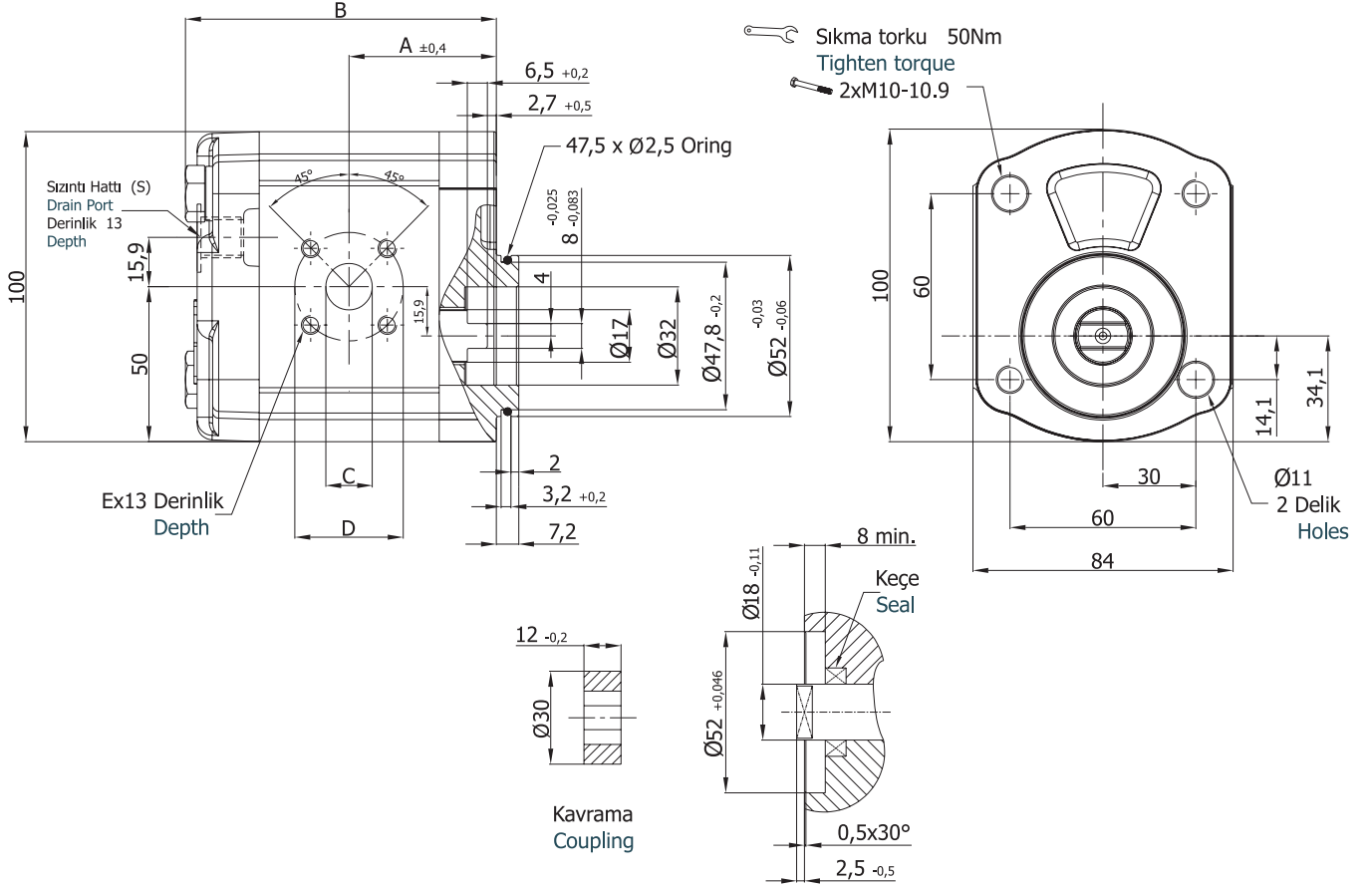
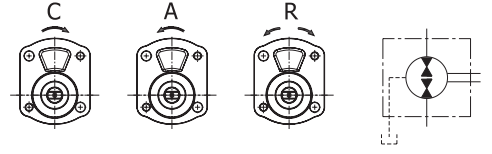
B Ön Kapak
Front Cover

G Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RBG01EMN	3,9	250	3500	41,6	88,7	15	35	M6	M12x1,5
APM20.060.RBG01EMN	5,9			43,2	91,8				
APM20.080.RBG01EMN	8,0			44,8	95,0				
APM20.095.RBG01EMN	9,4			45,9	97,3				
APM20.115.RBG01EMN	11,4			47,6	100,4				
APM20.140.RBG01EMN	13,9			49,4	104,6				
APM20.160.RBG01EMN	16,0	210	3000	51,1	107,5	20	40	M6	M12x1,5
APM20.190.RBG01EMN	19,2			59,6	124,5				
APM20.220.RBG01EMN	21,9			61,7	128,9				
APM20.250.RBG01EMN	24,8	190	2500	64,2	134,0	20	40	M6	M12x1,5
APM20.280.RBG01EMN	27,9	170		66,4	138,3				
APM20.320.RBG01EMN	32,0	160	2000	70,0	144,4	20	40	M6	M12x1,5
APM20.340.RBG01EMN	34,0	150		71,5	147,4				
APM20.380.RBG01EMN	38,0	140	1750	74,8	153,9	20	40	M6	M12x1,5
APM20.400.RBG01EMN	40,0			76,5	157,4				

C Ön Kapak
Front Cover

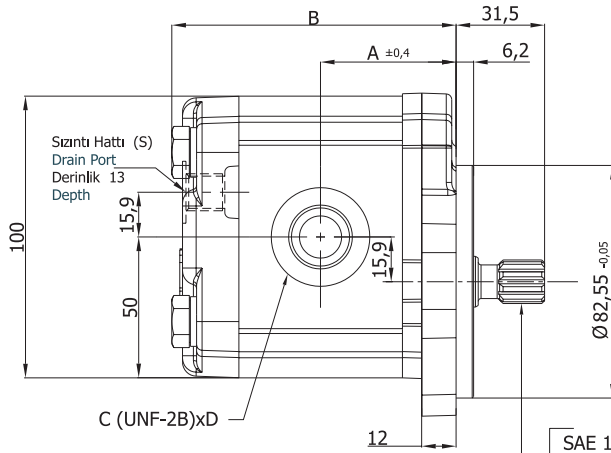
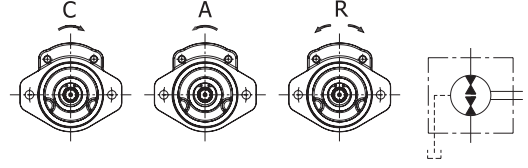
E Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RCE01EMN	3,9	250	3500	41,6	88,7	15	35	M6	M12x1,5
APM20.060.RCE01EMN	5,9			43,2	91,8				
APM20.080.RCE01EMN	8,0			44,8	95,0				
APM20.095.RCE01EMN	9,4			45,9	97,3				
APM20.115.RCE01EMN	11,4			47,6	100,4				
APM20.140.RCE01EMN	13,9			49,4	104,6				
APM20.160.RCE01EMN	16,0			51,1	107,5				
APM20.190.RCE01EMN	19,2	210	2500	59,6	124,5	20	40	M6	M12x1,5
APM20.220.RCE01EMN	21,9			61,7	128,9				
APM20.250.RCE01EMN	24,8			64,2	134,0				
APM20.280.RCE01EMN	27,9			66,4	138,3				
APM20.320.RCE01EMN	32,0			70,0	144,4				
APM20.340.RCE01EMN	34,0			71,5	147,4				
APM20.380.RCE01EMN	38,0			140	1750				
APM20.400.RCE01EMN	40,0	76,5	157,4						

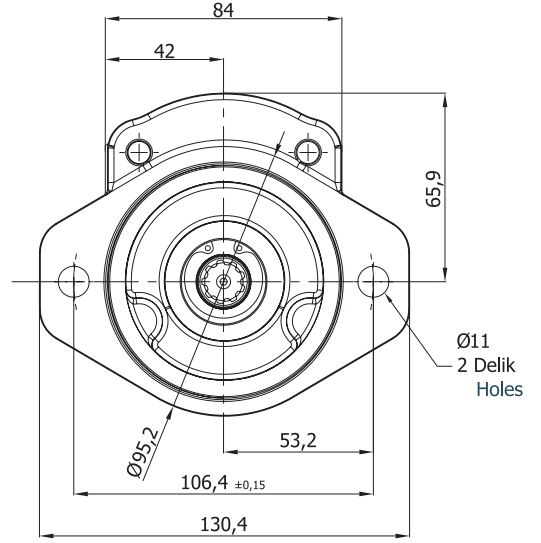
D Ön Kapak
Front Cover

C Şaft Tipi
Shaft Type



SAE 16-4 (A) 5/8" Spline
Evolvent Spline
Diş Dibi Düz, Yanaktan Alıstırmalı
9 Diş, 16/32 DP

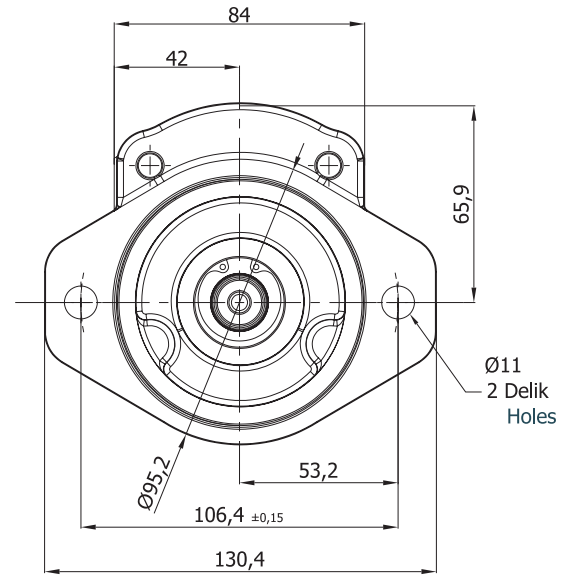
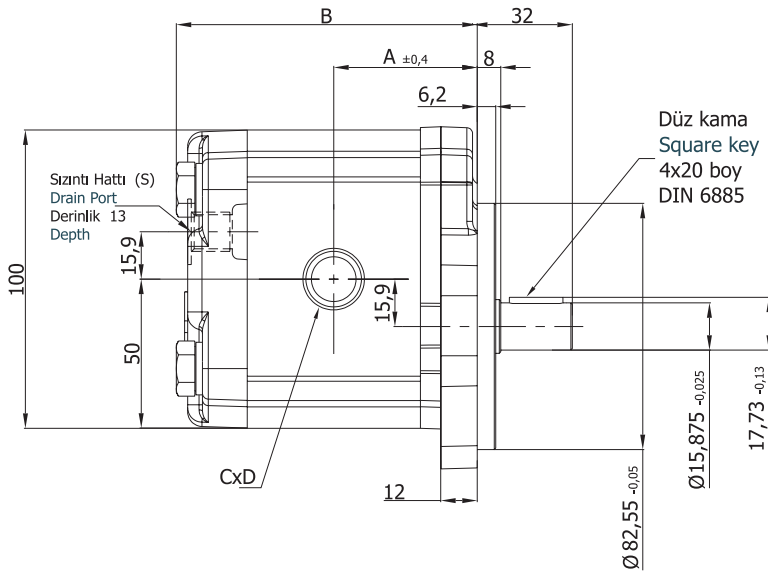
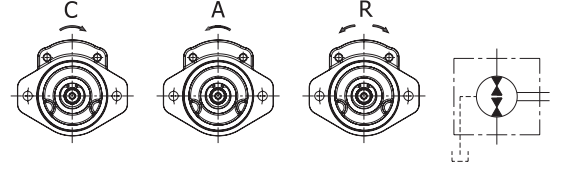
Involute spline
Flat root side fit
9 Teeth, 16/32 DP



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet		Sızıntı - Drain
						C	D	S
APM20.040.RDC04EUN	3,9	250	3500	42,2	89,3	7/8-14 UNF	15	7/16-20 UNF
APM20.060.RDC04EUN	5,9			43,8	92,4			
APM20.080.RDC04EUN	8,0			45,4	95,6			
APM20.095.RDC04EUN	9,4			46,5	97,9			
APM20.115.RDC04EUN	11,4		3000	48,2	101,0			
APM20.140.RDC04EUN	13,9			50,0	105,0			
APM20.160.RDC04EUN	16,0			51,7	108,1			
APM20.190.RDC04EUN	19,2			60,2	125,1			
APM20.220.RDC04EUN	21,9	210	2500	62,3	129,5	1 1/16-12 UNF	20	
APM20.250.RDC04EUN	24,8			64,8	134,6			
APM20.280.RDC04EUN	27,9	170	2200	67,0	138,9			
APM20.320.RDC04EUN	32,0	160	2000	70,0	145,0			
APM20.340.RDC04EUN	34,0			71,5	148,0			
APM20.380.RDC04EUN	38,0	140	1750	74,8	154,5			
APM20.400.RDC04EUN	40,0			76,5	158,0			

D Ön Kapak
Front Cover

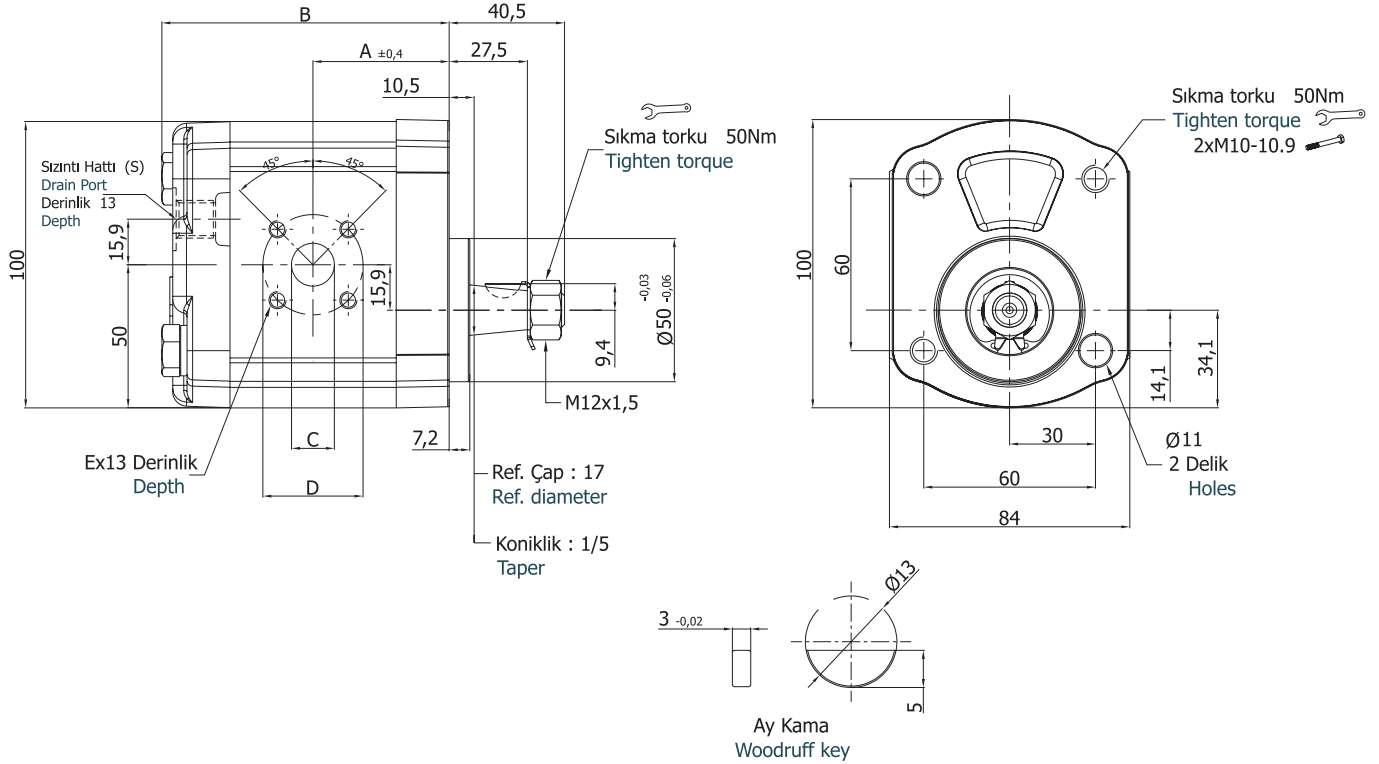
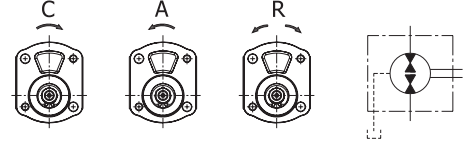
H Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet		Sızıntı - Drain	
						C	D	S	
APM20.040.RDH05EUN	3,9	250	3500	42,2	89,3	G1/2	15	7/16-20 UNF	
APM20.060.RDH05EUN	5,9			43,8	92,4				
APM20.080.RDH05EUN	8,0			45,4	95,6				
APM20.095.RDH05EUN	9,4			46,5	97,9				
APM20.115.RDH05EUN	11,4		3000	2500	48,2	101,0	G3/4		20
APM20.140.RDH05EUN	13,9				50,0	105,0			
APM20.160.RDH05EUN	16,0				51,7	108,1			
APM20.190.RDH05EUN	19,2				60,2	125,1			
APM20.220.RDH05EUN	21,9	210	2200	62,3	129,5	G3/4	20		
APM20.250.RDH05EUN	24,8	190		64,8	134,6				
APM20.280.RDH05EUN	27,9	170	2000	67,0	138,9	G3/4	20		
APM20.320.RDH05EUN	32,0	160		70,0	145,0				
APM20.340.RDH05EUN	34,0	150	1750	71,5	148,0	G3/4	20		
APM20.380.RDH05EUN	38,0	140		74,8	154,5				
APM20.400.RDH05EUN	40,0				76,5	158,0			

E Ön Kapak
Front Cover

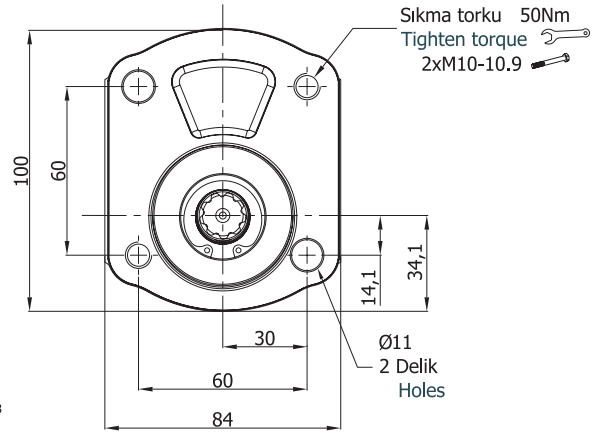
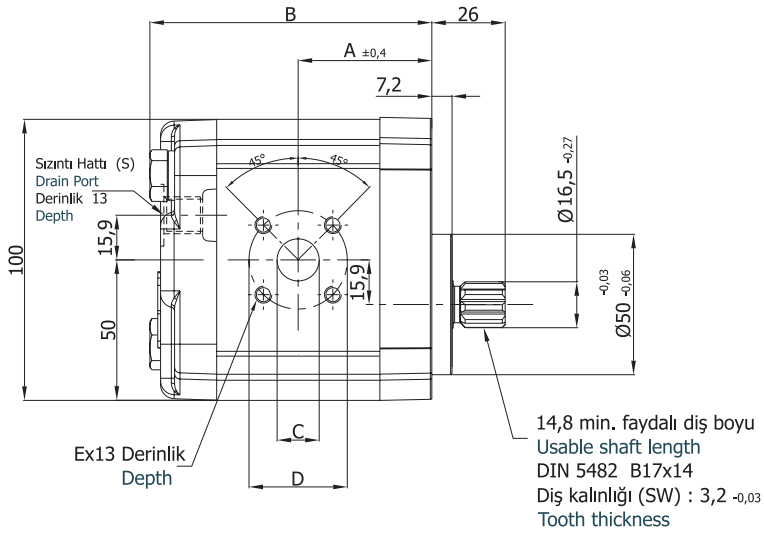
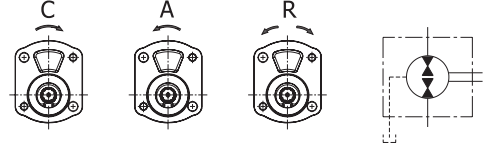
A Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.REA01EGN	3,9	250	3500	41,6	88,7	15	35	M6	G1/4
APM20.060.REA01EGN	5,9			43,2	91,8				
APM20.080.REA01EGN	8,0			44,8	95,0				
APM20.095.REA01EGN	9,4			45,9	97,3				
APM20.115.REA01EGN	11,4		3000	47,6	100,4				
APM20.140.REA01EGN	13,9			49,4	104,6				
APM20.160.REA01EGN	16,0			51,1	107,5				
APM20.190.REA01EGN	19,2			59,6	124,5				
APM20.220.REA01EGN	21,9	210	2500	61,7	128,9	20	40	M6	G1/4
APM20.250.REA01EGN	24,8	190		64,2	134,0				
APM20.280.REA01EGN	27,9	170	2200	66,4	138,3				
APM20.320.REA01EGN	32,0	160		70,0	144,4				
APM20.340.REA01EGN	34,0	150	2000	71,5	147,4				
APM20.380.REA01EGN	38,0	140		74,8	153,9				
APM20.400.REA01EGN	40,0		76,5	157,4					

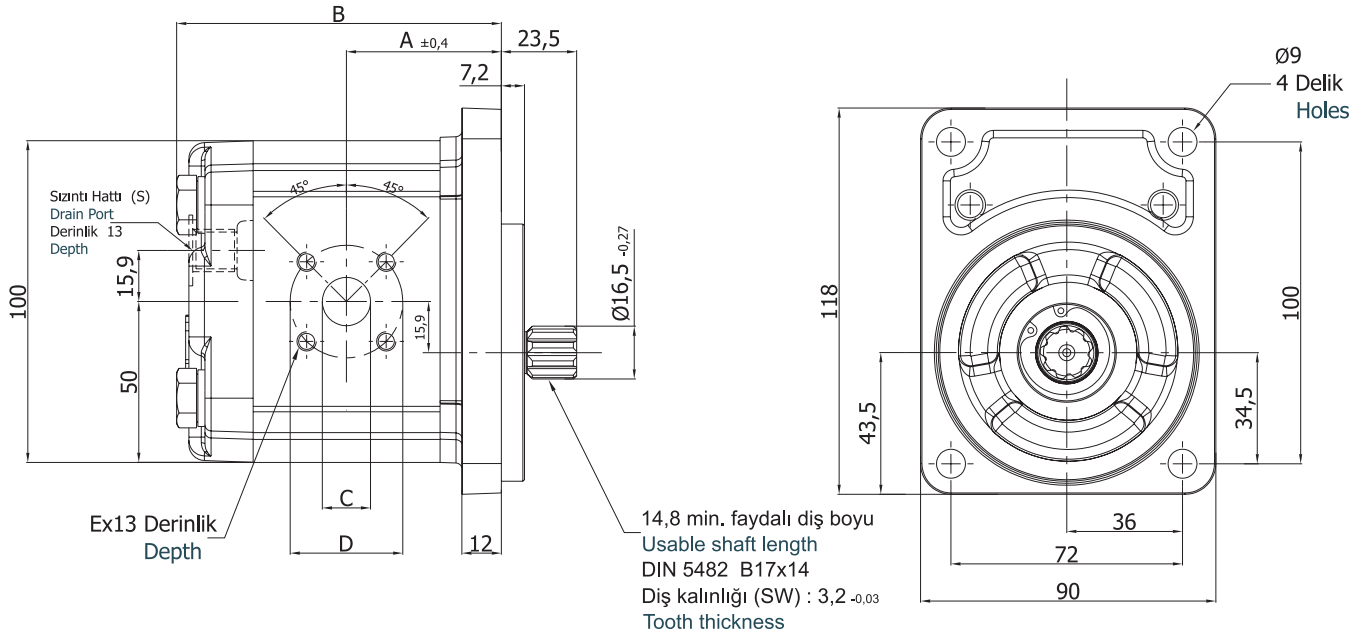
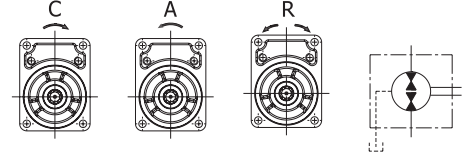
E Ön Kapak
Front Cover

G Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain				
						C	D	E	S				
APM20.040.REG01EGN	3,9	250	3500	41,6	88,7	15	35	M6	G1/4				
APM20.060.REG01EGN	5,9			43,2	91,8								
APM20.080.REG01EGN	8,0			44,8	95,0								
APM20.095.REG01EGN	9,4			45,9	97,3								
APM20.115.REG01EGN	11,4		47,6	100,4	20					40			
APM20.140.REG01EGN	13,9		49,4	104,6									
APM20.160.REG01EGN	16,0		51,1	107,5									
APM20.190.REG01EGN	19,2		59,6	124,5									
APM20.220.REG01EGN	21,9	210	2500	61,7	128,9	20	40	M6	G1/4				
APM20.250.REG01EGN	24,8	190		64,2	134,0								
APM20.280.REG01EGN	27,9	170	2000	66,4	138,3					20	40	M6	G1/4
APM20.320.REG01EGN	32,0	160		70,0	144,4								
APM20.340.REG01EGN	34,0	150	71,5	147,4									
APM20.380.REG01EGN	38,0	140	1750	74,8	153,9								
APM20.400.REG01EGN	40,0			76,5	157,4								

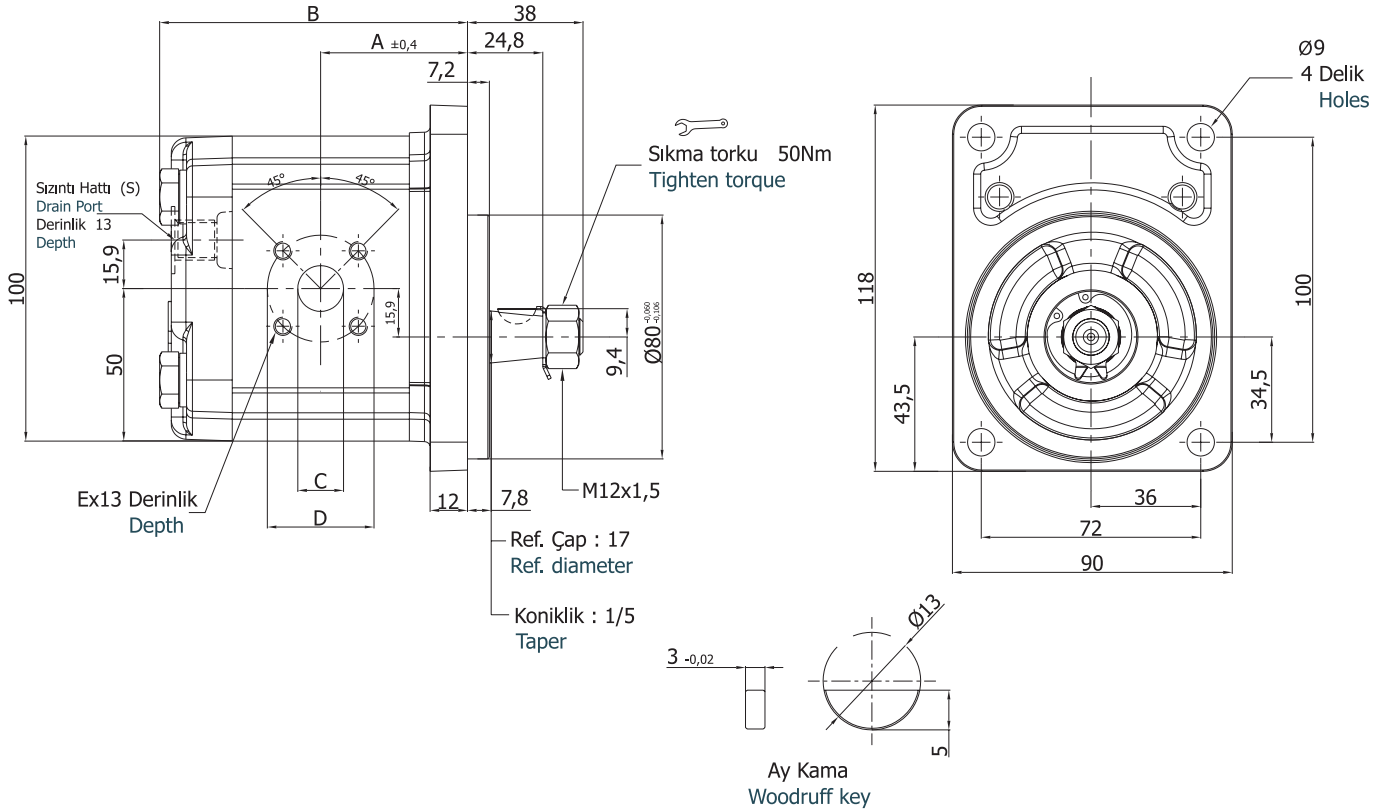
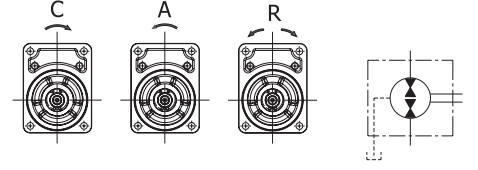
G Ön Kapak
Front Cover

G Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RGG01EMN	3,9	250	3500	42,2	89,3	15	35	M6	M12x1,5
APM20.060.RGG01EMN	5,9			43,8	92,4				
APM20.080.RGG01EMN	8,0			45,4	95,6				
APM20.095.RGG01EMN	9,4			46,5	97,9				
APM20.115.RGG01EMN	11,4		3000	48,2	101,0				
APM20.140.RGG01EMN	13,9			50,0	105,0				
APM20.160.RGG01EMN	16,0			51,7	108,1				
APM20.190.RGG01EMN	19,2			60,2	125,1				
APM20.220.RGG01EMN	21,9	210	2500	62,3	129,5	20	40	M6	M12x1,5
APM20.250.RGG01EMN	24,8	190		64,8	134,6				
APM20.280.RGG01EMN	27,9	170	2200	67,0	138,9				
APM20.320.RGG01EMN	32,0	160		2000	70,0				
APM20.340.RGG01EMN	34,0	150	71,5		148,0				
APM20.380.RGG01EMN	38,0	140	1750	74,8	154,5				
APM20.400.RGG01EMN	40,0			76,5	158,0				

G Ön Kapak
Front Cover

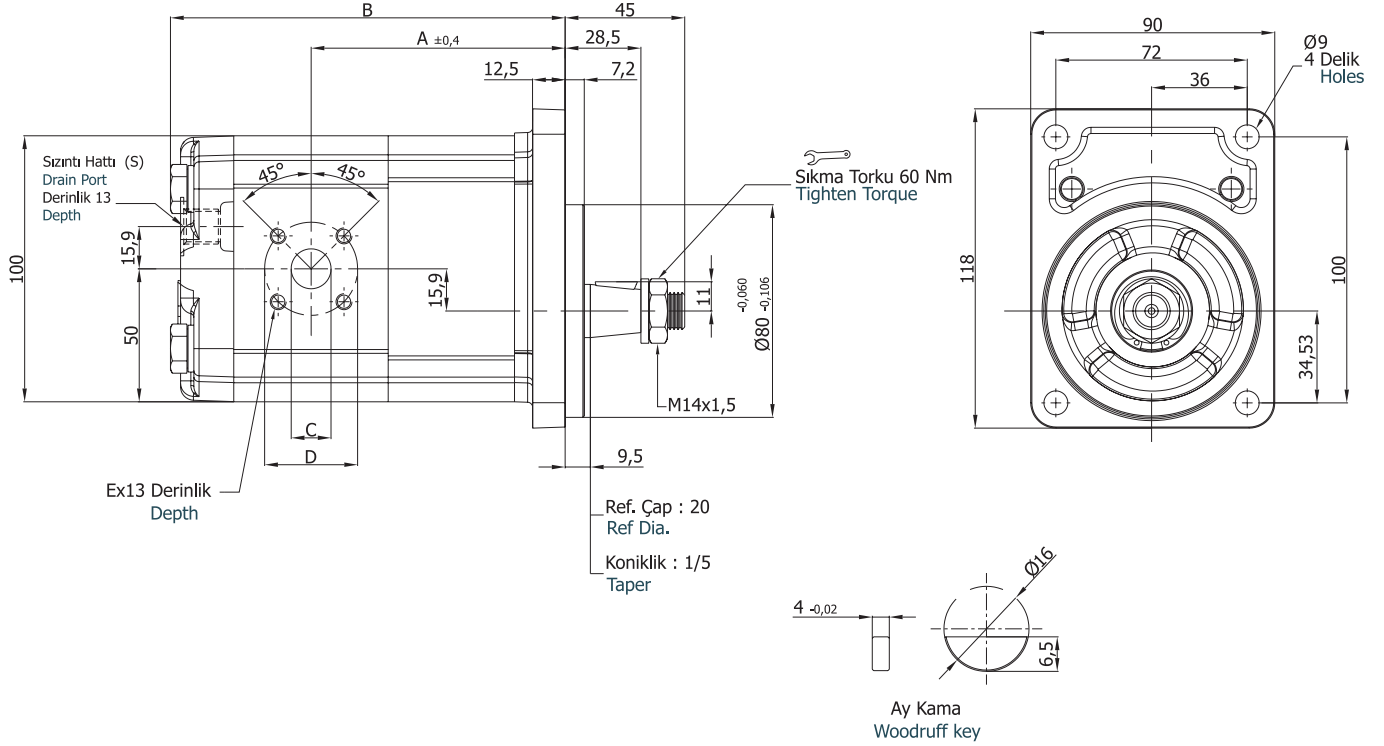
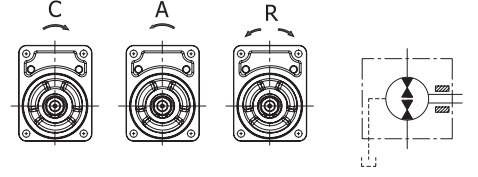
L Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RGL01EMN	3,9	250	3500	42,2	89,3	15	35	M6	M12x1,5
APM20.060.RGL01EMN	5,9			43,8	92,4				
APM20.080.RGL01EMN	8,0			45,4	95,6				
APM20.095.RGL01EMN	9,4			46,5	97,9				
APM20.115.RGL01EMN	11,4			48,2	101,0				
APM20.140.RGL01EMN	13,9			50,0	105,0				
APM20.160.RGL01EMN	16,0	210	2500	51,7	108,1	20	40	M6	M12x1,5
APM20.190.RGL01EMN	19,2			60,2	125,1				
APM20.220.RGL01EMN	21,9			62,3	129,5				
APM20.250.RGL01EMN	24,8	190	2200	64,8	134,6	20	40	M6	M12x1,5
APM20.280.RGL01EMN	27,9	170		67,0	138,9				
APM20.320.RGL01EMN	32,0	140	1750	70,0	145,0	20	40	M6	M12x1,5
APM20.340.RGL01EMN	34,0			71,5	148,0				
APM20.380.RGL01EMN	38,0			74,8	154,5				
APM20.400.RGL01EMN	40,0			76,5	158,0				

H Ön Kapak
Front Cover

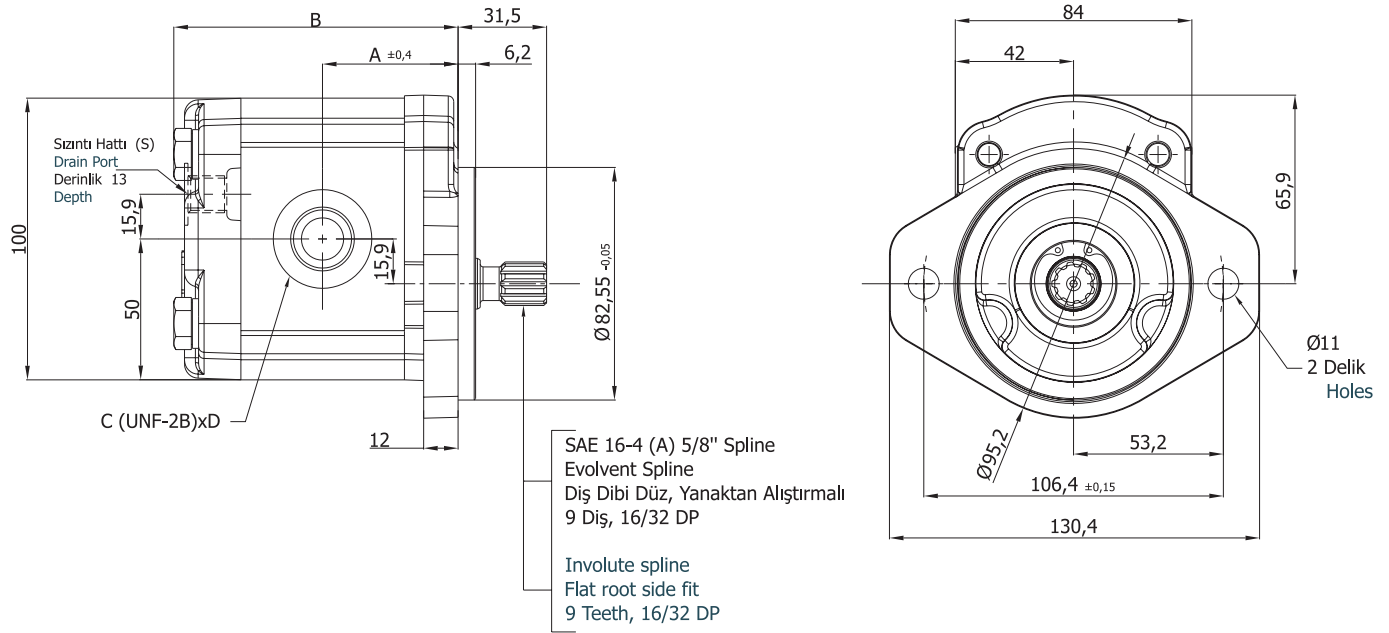
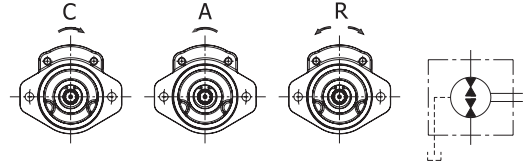
K Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM20.040.RHK01EMON	3,9	250	3500	89,7	136,7	15	35	M6	M12x1,5
APM20.060.RHK01EMON	5,9			91,2	139,8				
APM20.080.RHK01EMON	8,0			92,8	142,9				
APM20.095.RHK01EMON	9,4			94,0	145,2				
APM20.115.RHK01EMON	11,4			95,5	148,4				
APM20.140.RHK01EMON	13,9	230	3000	97,5	152,3	20	40	M6	
APM20.160.RHK01EMON	16,0			99,0	155,4				
APM20.190.RHK01EMON	19,2			107,5	172,4				
APM20.220.RHK01EMON	21,9	160	2500	109,7	176,8	20	40	M6	
APM20.250.RHK01EMON	24,8	150	112,3	181,9					
APM20.280.RHK01EMON	27,9	130	2200	114,5	186,2				
APM20.320.RHK01EMON	32,0	160	2000	117,5	192,4				
APM20.340.RHK01EMON	34,0	150	119,0	195,4					
APM20.380.RHK01EMON	38,0	140	1750	122,3	201,9	20	40	M6	
APM20.400.RHK01EMON	40,0			124,0	205,4				

D Ön Kapak
Front Cover

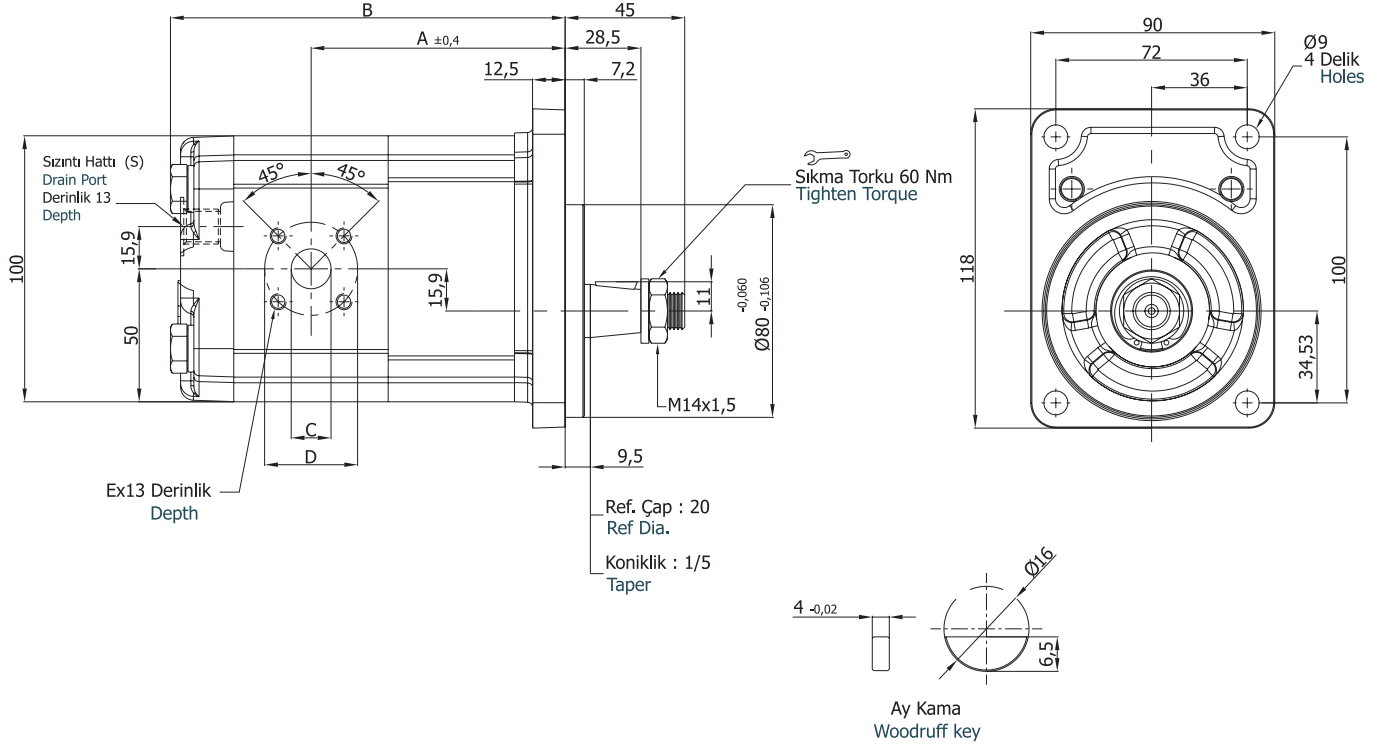
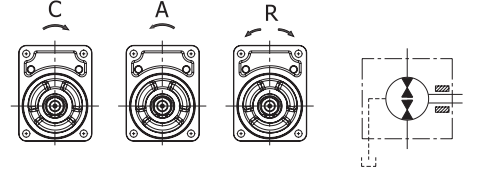
C Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet		Sızıntı - Drain		
						C	D	S		
DKM20.040.RDC04EUN	3,9	280	3500	42,2	89,3	7/8-14 UNF	15	7/16-20 UNF		
DKM20.060.RDC04EUN	5,9			43,8	92,4					
DKM20.080.RDC04EUN	8,0			45,4	95,6					
DKM20.095.RDC04EUN	9,4			46,5	97,9					
DKM20.115.RDC04EUN	11,4			48,2	101,0					
DKM20.140.RDC04EUN	13,9			50,0	105,0					
DKM20.160.RDC04EUN	16,0	240	3000	51,7	108,1	1 1/16-12 UNF	20			
DKM20.190.RDC04EUN	19,2			60,2	125,1					
DKM20.220.RDC04EUN	21,9			62,3	129,5					
DKM20.250.RDC04EUN	24,8			64,8	134,6					
DKM20.280.RDC04EUN	27,9			220	2200				67,0	138,9
									67,0	138,9

H Ön Kapak
Front Cover

K Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
DKM20.040.RHK01EMON	3,9	280	3500	89,7	136,7	15	35	M6	M12x1,5
DKM20.060.RHK01EMON	5,9			91,2	139,8				
DKM20.080.RHK01EMON	8,0			92,8	142,9				
DKM20.095.RHK01EMON	9,4			94,0	145,2				
DKM20.115.RHK01EMON	11,4			95,5	148,4				
DKM20.140.RHK01EMON	13,9	260	3000	97,5	152,3	20	40	M6	M12x1,5
DKM20.160.RHK01EMON	16,0			99,0	155,4				
DKM20.190.RHK01EMON	19,2			107,5	172,4				
DKM20.220.RHK01EMON	21,9	190	2500	109,7	176,8	20	40	M6	M12x1,5
DKM20.250.RHK01EMON	24,8	160	2200	112,3	181,9				
DKM20.280.RHK01EMON	27,9			114,5	186,2				

GRUP 30 MOTORLARIN KODLAMA SİSTEMİ
ORDERING CODE OF GROUP30 MOTORS

APM30 . 340 . R A B 02 E G O N

Motor Tipi
Motor Type

İletim Hacmi / Displacement cm ³ /dev (cm ³ /rev)
170 = 17 cm ³ /dev (cm ³ /rev)
220 = 22 cm ³ /dev (cm ³ /rev)
270 = 27 cm ³ /dev (cm ³ /rev)
320 = 32 cm ³ /dev (cm ³ /rev)
340 = 34 cm ³ /dev (cm ³ /rev)
380 = 38 cm ³ /dev (cm ³ /rev)
430 = 43 cm ³ /dev (cm ³ /rev)
470 = 47 cm ³ /dev (cm ³ /rev)
510 = 51 cm ³ /dev (cm ³ /rev)
560 = 56 cm ³ /dev (cm ³ /rev)
610 = 61 cm ³ /dev (cm ³ /rev)
730 = 73 cm ³ /dev (cm ³ /rev)
820 = 82 cm ³ /dev (cm ³ /rev)
900 = 90 cm ³ /dev (cm ³ /rev)
1000 = 100 cm ³ /dev (cm ³ /rev)

Dönüş Yönü / Rotation
A = Sol dönüş / Counter-clockwise
C = Sağ dönüş / Clockwise
R = Çift dönüş / Reversible

Ön Yatak Outboard Bearing
O Var / Available
Yok / Absent

Keçe / Seal
N NBR
V Viton

Sızıntı Hattı Drain Line
G G1/4"
U 7/16-20 UNF
M M12x1,5

Arka Kapak / Rear Cover
S Standart Standard
E Arkadan Giriş Çıkış Rear Port
R1 Emniyet Valfi (10-90 Bar) Relief Valve
R2 Emniyet Valfi (70-140 Bar) Relief Valve
R3 Emniyet Valfi (120-190 Bar) Relief Valve
D Akış Bölücü Valf Flow Divider Valve
H Emniyet Valfli Akış Kontrol Valfi Flow Control Valve With Relief Valve
L Yük Duyarlı Valf Load Sensing Valve
T Çek Valf Check Valve
P Arkadan Giriş-Çıkış Rear Inlet-Outlet
C Basınç Kompansatörlü Akış Kontrol Valfi Flow Control Valve Pressure Compensated

Ön Kapak / Front Cover		
A	Dikdörtgen kapak Square flange	Ø50,78 mm
D	2 Civatalı SAEJ 744 101-2B 2 Bolts SAEJ 744 101-2B	Ø101,6 mm
G	Dikdörtgen kapak Square flange	Ø105 mm
H	2 Civatalı SAE 'A' 2 Bolts SAE 'A'	Ø82,55 mm
K	2 Civatalı SAE 'B' 2 Bolts SAE 'B'	Ø101,6 mm
L	Dikdörtgen kapak Square flange	Ø60,3 mm
S	3 Civatalı UNI Tipi 3 Bolts UNI Type	Ø52 mm
M	Dikdörtgen kapak Square flange	Ø60 mm
N	SAE 4 Civatalı SAE 4 Bolts	Ø127 mm

Tahrik şaftı / Drive Shaft		
A	Konik - Kamalı Tapered key shaft	1:5
B	Konik - Kamalı Tapered key shaft	1:8
C	SAE spline şaft 13 diş SAE spline shaft 13T	
D	SAE spline şaft 15 diş SAE spline shaft 15T	
H	Paralel şaft Parallel shaft	
K	Konik - Kamalı Tapered key shaft	1:8
M	SAE spline şaft J498B 13 diş SAE spline shaft J498B 13T	
P	Paralel şaft Parallel shaft	
U	DIN 5463 spline şaft 6 diş DIN 5463 spline shaft 6T	

Giriş - Çıkış Delikleri / Inlet and Outlet Ports		
01	Kare tip Rectangular	
02	Baklava tip Diamond	
03	SAE Dikdörtgen Flanş Metrik diş SAE Square Flange Thread Metric	
04	UN-2B diş UN-2B thread	
05	Boru diş Pipe thread	
06	SAE Dikdörtgen Flanş UNC diş SAE Square Flange Thread UNC	

- Kodlama Örneği ; APM30.340.RAB02EGN
Code Example

APM30 TEKNİK ÖZELLİKLER / APM30 TECHNICAL DATA

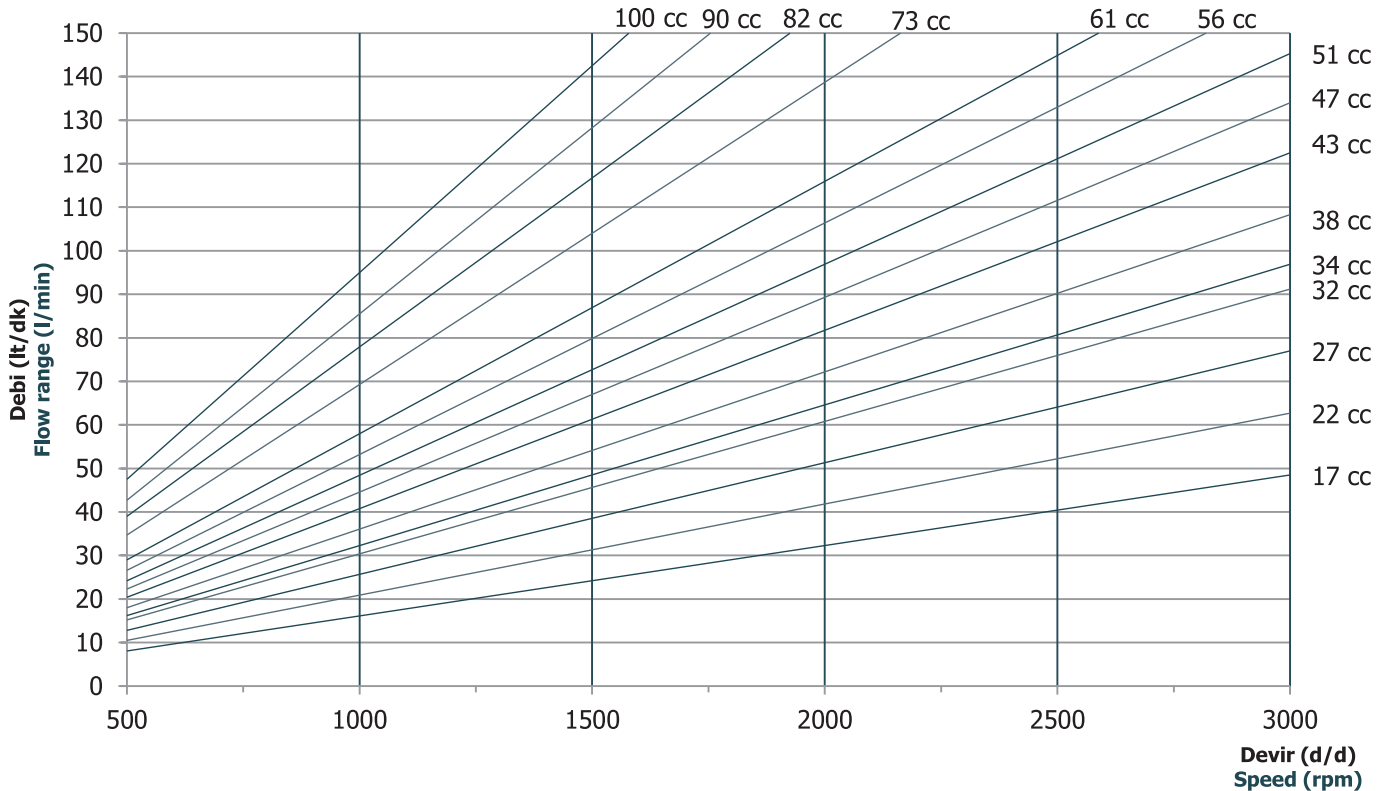
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç / Max. Pressure			Maks. Hız Max. Speed	Min. Hız Min. Speed
		P1	P2	P3		
		bar			d/d (rpm)	
APM30.170	17,0	250	270	290	3000	400
APM30.220	22,0	250	270	290	3000	400
APM30.270	27,0	250	270	290	3000	400
APM30.320	32,0	240	260	280	3000	400
APM30.340	34,0	240	260	280	3000	400
APM30.380	38,0	240	260	280	3000	400
APM30.430	43,0	230	250	270	3000	400
APM30.470	47,0	230	250	270	2500	400
APM30.510	51,0	210	230	250	2500	400
APM30.560	56,0	200	220	240	2500	400
APM30.610	61,0	180	200	220	2500	400
APM30.730	73,0	170	190	210	2500	400
APM30.820	82,0	160	180	200	2000	400
APM30.900	90,0	150	170	190	2000	400
APM30.1000	100,0	140	160	180	2000	400

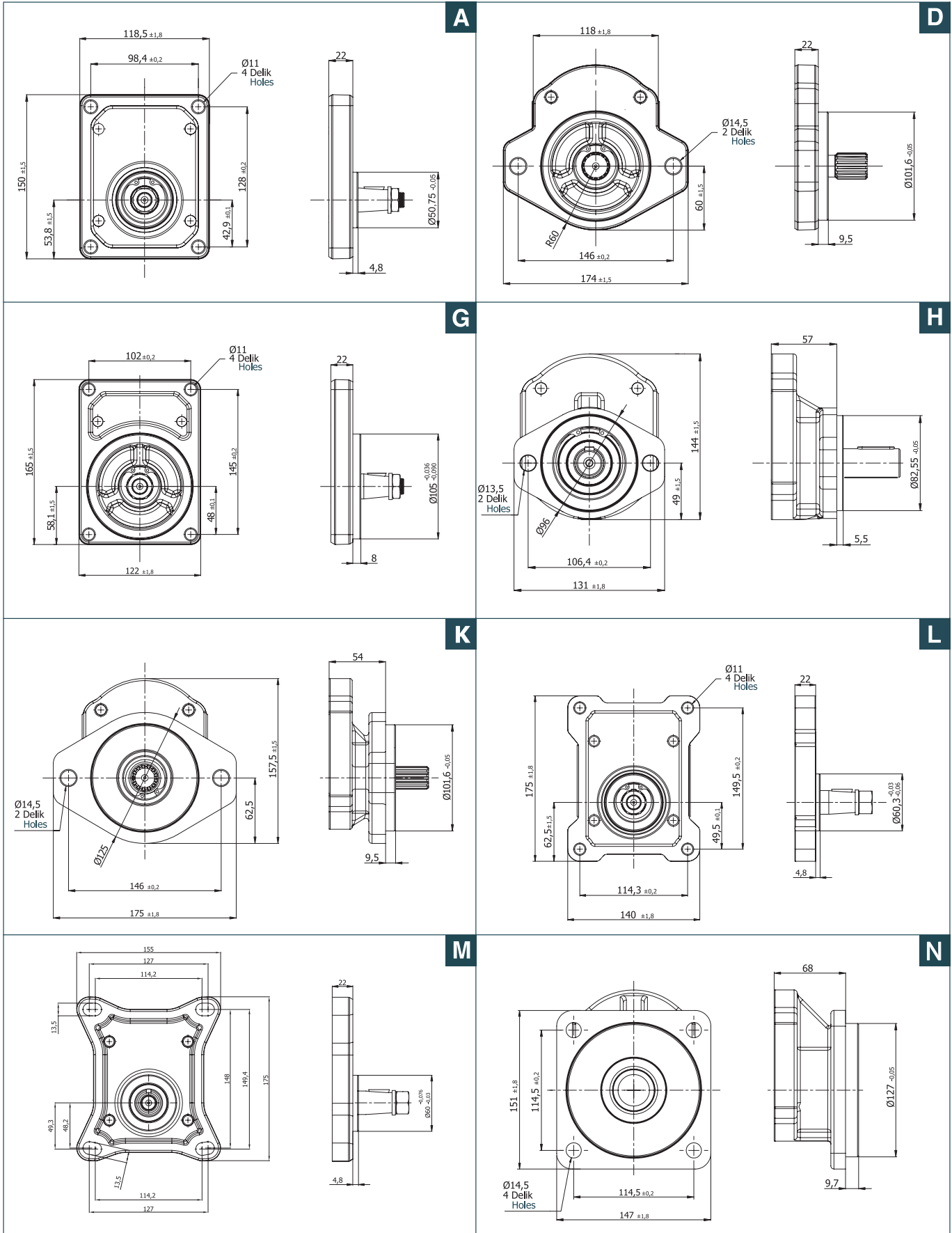
P1: Sürekli çalışma basıncı
Continuous pressure

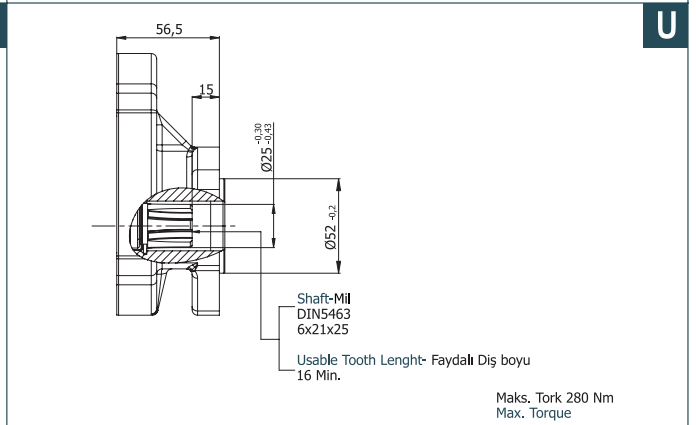
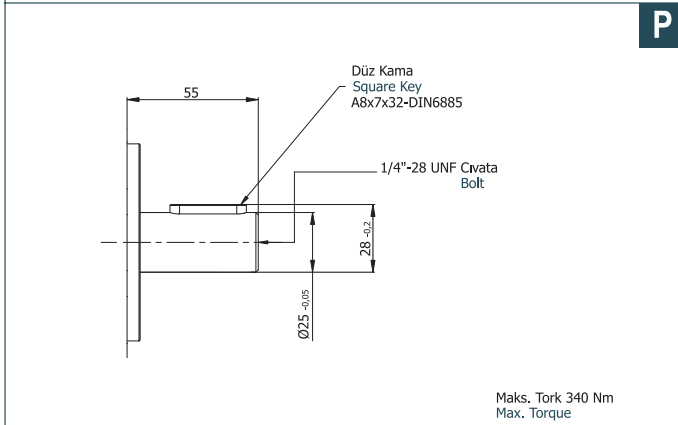
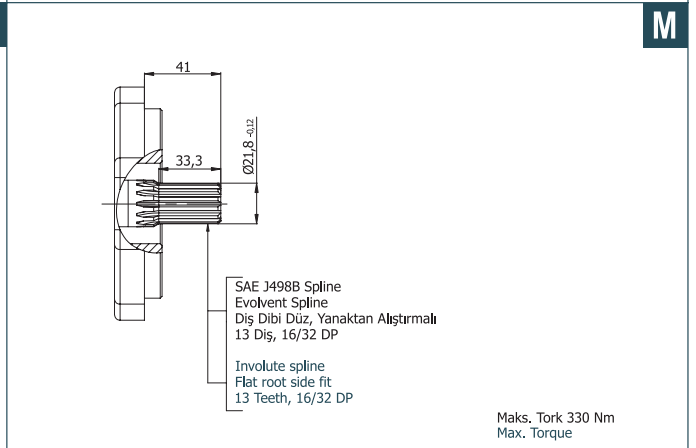
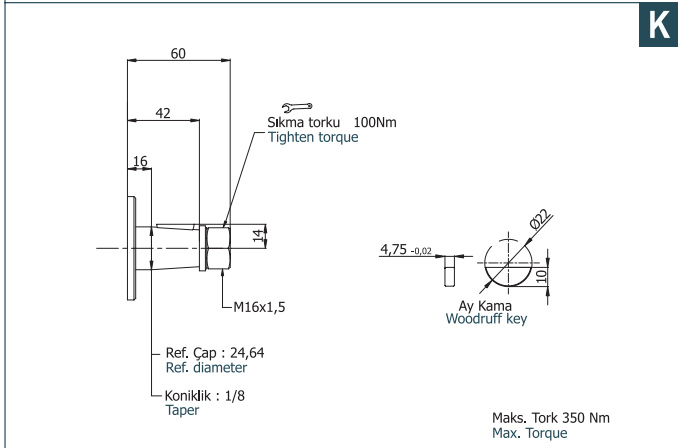
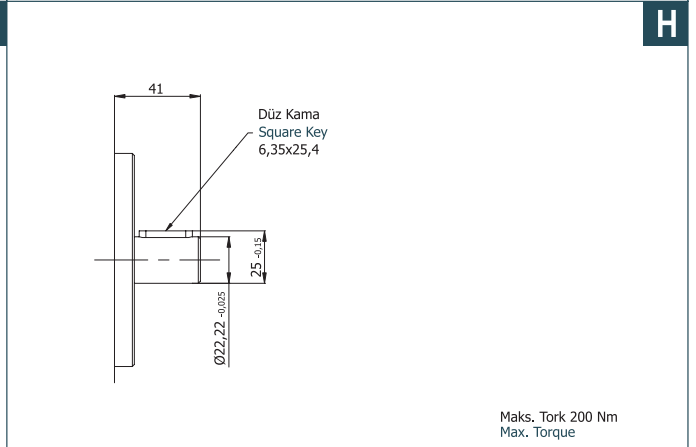
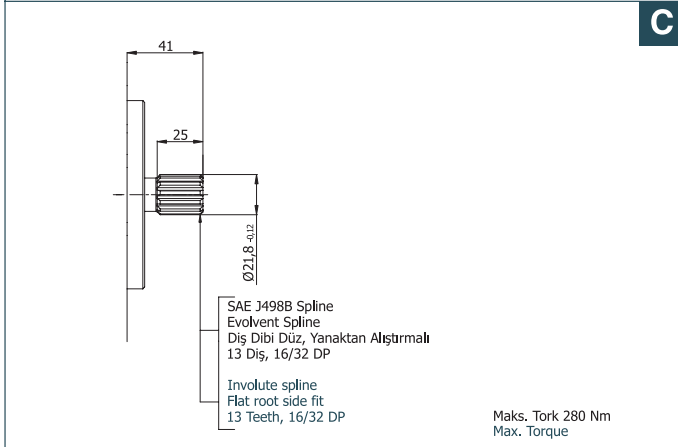
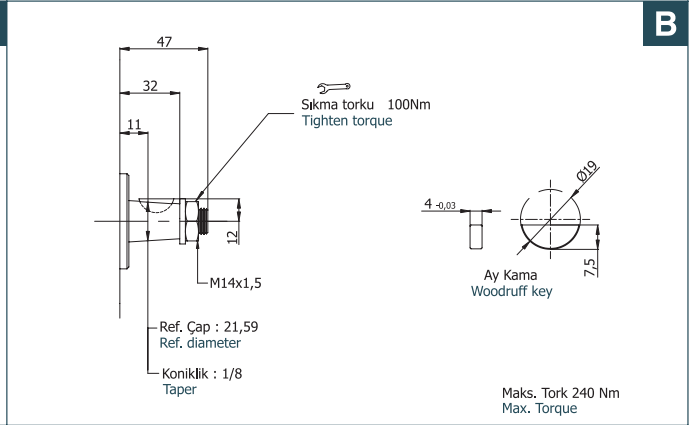
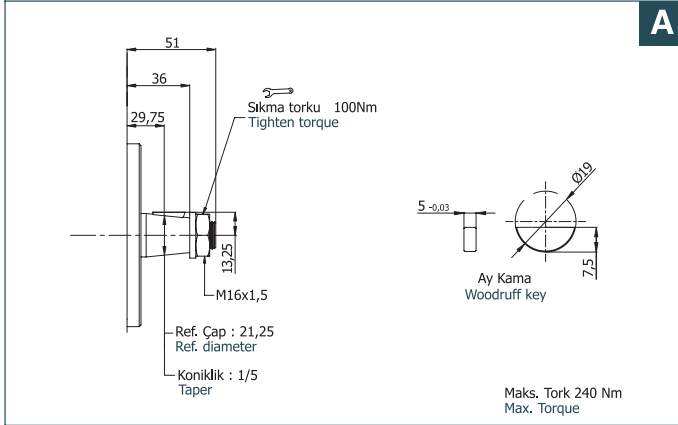
P2 : Aralıklı çalışma basıncı
Intermittent pressure

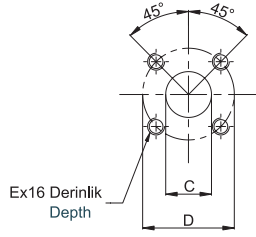
P3 : Ani basınç
Peak pressure

APM30 MOTORLARIN DEBİ EĞRİLERİ / FLOW CURVES OF APM30 MOTORS



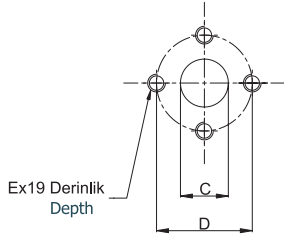






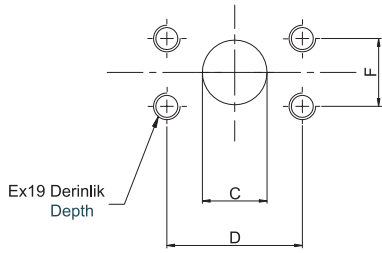
01 Kare Tipi Flanş
Rectangular Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
⊕	17 - 100	27	55	M8x16	19	55	M8x16
	17 - 32	19	55	M8x16	19	55	M8x16
⊖	34 - 100	27			27		



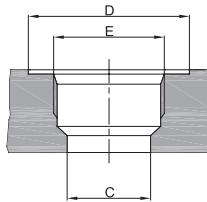
02 Baklava Tipi Flanş
Diamond Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
⊕	17 - 61	27	51	M10x19	19	40	M8x16
	73 - 100	33	62	M12x19	27	51	M10x19
⊖	17 - 38	20	40	M8x16	20	40	M8x16
	43 - 90	27	51	M10x16	27	51	M10x16
	100	33	62	M12x19	33	62	M12x19



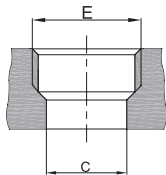
03 SAE Dikdörtgen Flanş Metrik Diş
SAE Square Flange Metric Thread

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		C	D	E	F	c	d	e	f
⊕	17 - 22	19	47,6	M8x16	22,2	12,5	38,1	M8x16	17,5
	27 - 34	25,4	52,4	M10x19	26,2	19	47,6	M8x16	22,2
	38 - 51	30,5	58,7	M10x19	30,2	25,4	52,4	M10x19	26,2
	56 - 82	39,3	69,8	M12x19	35,7	30,5	58,7	M10x19	30,2
	90 - 100	51	77,8	M12x19	42,9	39,3	69,8	M12x19	35,7
⊖	17 - 27	19	47,6	M10x19	22,2	19	47,6	M10x19	22,2
	32 - 43	25,4	52,4	M10x19	26,2	25,4	52,4	M10x19	26,2
	47 - 56	30,5	58,7	M10x19	30,2	30,5	58,7	M10x19	30,2
	61 - 100	39,3	69,8	M12x19	35,7	39,3	69,8	M12x19	35,7



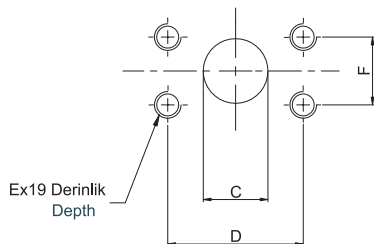
04 Diş / Thread
(UN-2B) SAE Oring Boss

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
⊕	17 - 34	30,5	49	1 5/16"-12 UN-2B	25	42	1 1/16"-12 UN-2B
	38 - 51	39	58	1 5/8"-12 UN-2B	30,5	49	1 5/16"-12 UN-2B
	56 - 100	45	65	1 7/8"-12 UN-2B	39	58	1 5/8"-12 UN-2B
⊖	17 - 27	25	42	1 1/16"-12 UN-2B	25	42	1 1/16"-12 UN-2B
	32 - 47	30,5	49	1 5/16"-12 UN-2B	30,5	49	1 5/16"-12 UN-2B
	51 - 82	39	58	1 5/8"-12 UN-2B	39	58	1 5/8"-12 UN-2B
	90 - 100	45	65	1 7/8"-12 UN-2B	45	65	1 7/8"-12 UN-2B



05 Boru diş / Pipe Thread
ISO228/1

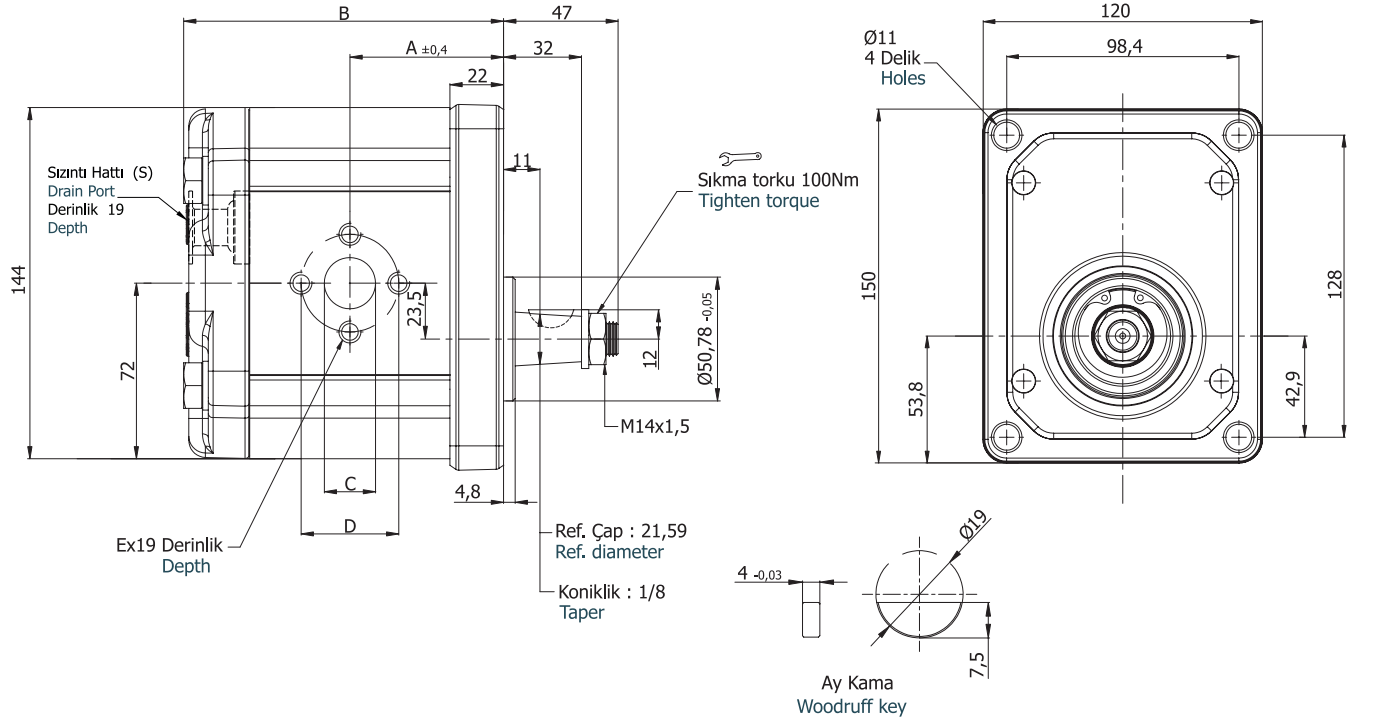
Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side		Basınç Tarafı Pressure Side	
		C	E	c	e
⊕	17 - 51	30,5	G 1"	30,5	G 1"
	56 - 73	39	G 1 1/4"		
	82 - 100	45	G 1 1/2"		
⊖	17 - 61	30,5	G 1"	30,5	G 1"
	73 - 82	39	G 1 1/4"		
	90 - 100	45	G 1 1/2"		



06 SAE Dikdörtgen Flanş UNC Diş
SAE Square Flange UNC Thread

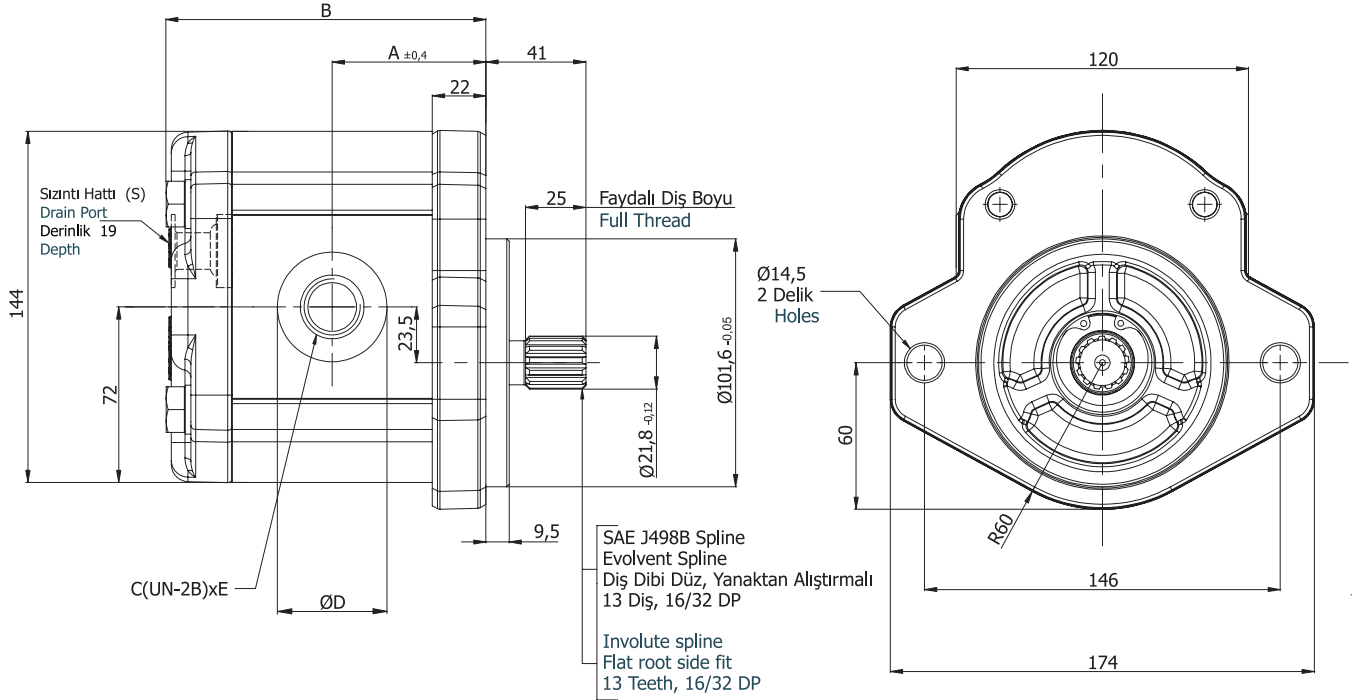
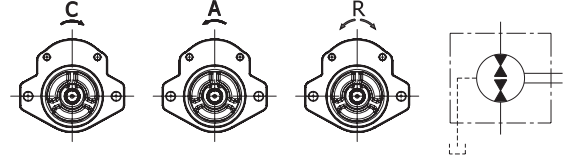
Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm ³ /dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		C	D	E	F	c	d	e	f
⊕	17 - 22	19	47,6	3/8-16 UNC-2B	22,2	12,5	38,1	5/16-18 UNC-2B	17,5
	27 - 34	25,4	52,4			19	52,4		22,2
	38 - 51	30,5	58,7	7/16-14 UNC-2B	30,2	25,4	52,4	3/8-16 UNC-2B	26,2
	56 - 82	39,3	69,8	1/2-13 UNC-2B	35,7	30,5	58,7	7/16-14 UNC-2B	30,2
	90 - 100	51	77,8			42,9	39,3	69,8	1/2-13 UNC-2B
⊖	17 - 27	19	47,6	3/8-16 UNC-2B	22,2	19	47,6	3/8-16 UNC-2B	22,2
	32 - 43	25,4	52,4			26,2	25,4		52,4
	47 - 56	30,5	58,7	7/16-14 UNC-2B	30,2	30,5	58,7	7/16-14 UNC-2B	30,2
	90 - 100	39,3	69,8			35,7	39,3		69,8

A Ön Kapak
Front Cover

B Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM30.170.RAB02EGN	17,0	250	3000	59,5	124,1	20	55	M8x16	G 3/8
APM30.220.RAB02EGN	22,0			61,5	128,1				
APM30.270.RAB02EGN	27,0			63,0	131,1				
APM30.320.RAB02EGN	32,0			64,5	134,1				
APM30.340.RAB02EGN	34,0			65,0	135,1				
APM30.380.RAB02EGN	38,0			66,5	138,1				
APM30.430.RAB02EGN	43,0	230	2500	68,0	141,1	27	55	M8x16	G 3/8
APM30.470.RAB02EGN	47,0			69,5	144,1				
APM30.510.RAB02EGN	51,0			70,5	146,1				
APM30.560.RAB02EGN	56,0	200	1750	71,5	148,1	34	55	M8x16	G 3/8
APM30.610.RAB02EGN	61,0	180	1500	74,0	153,1				
APM30.730.RAB02EGN	73,0	170	1500	77,0	160,1				
APM30.820.RAB02EGN	82,0	160	1500	80,0	166,1				
APM30.900.RAB02EGN	90,0	150	1500	83,0	172,1	34	55	M8x16	G 3/8
APM30.1000.RAB02EGN	100,0	140	1500	86,0	178,1				

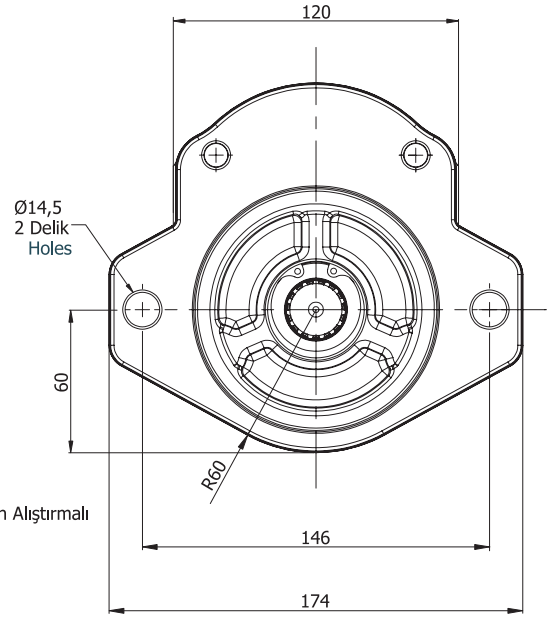
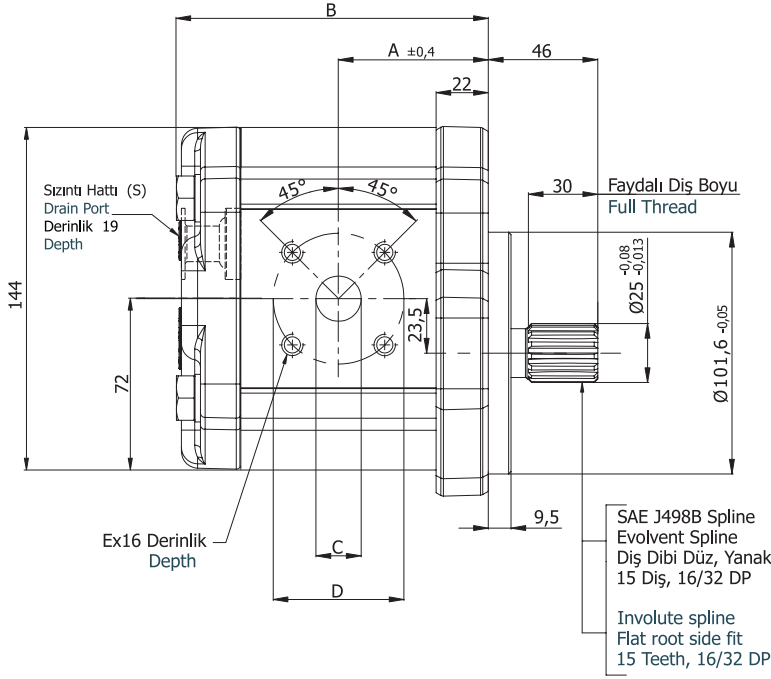
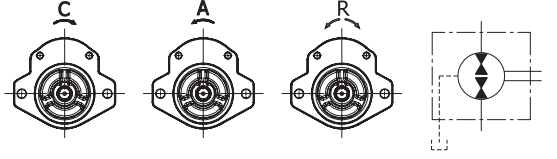
D Ön Kapak
Front Cover

C Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM30.170.RDC04EUN	17,0	250	3000	59,5	124,1	25	42	1 1/16"-12 UNF-2B	7/16-20 UNF
APM30.220.RDC04EUN	22,0			61,5	128,1				
APM30.270.RDC04EUN	27,0			63,0	131,1				
APM30.320.RDC04EUN	32,0	240		64,5	134,1	30,5	49	1 5/16"-12 UNF-2B	
APM30.340.RDC04EUN	34,0			65,0	135,1				
APM30.380.RDC04EUN	38,0			66,5	138,1				
APM30.430.RDC04EUN	43,0	230	2500	68,0	141,1	39	58	1 5/8"-12 UNF-2B	
APM30.470.RDC04EUN	47,0			69,5	144,1				
APM30.510.RDC04EUN	51,0	210	1750	70,5	146,1	45	65	1 7/8"-12 UNF-2B	
APM30.560.RDC04EUN	56,0	200		71,5	148,1				
APM30.610.RDC04EUN	61,0	180		74,0	153,1				
APM30.730.RDC04EUN	73,0	170	1500	77,0	160,1	45	65	1 7/8"-12 UNF-2B	
APM30.820.RDC04EUN	82,0	160		80,0	166,1				
APM30.900.RDC04EUN	90,0	150		83,0	172,1				
APM30.1000.RDC04EUN	100,0	140		86,0	178,1				

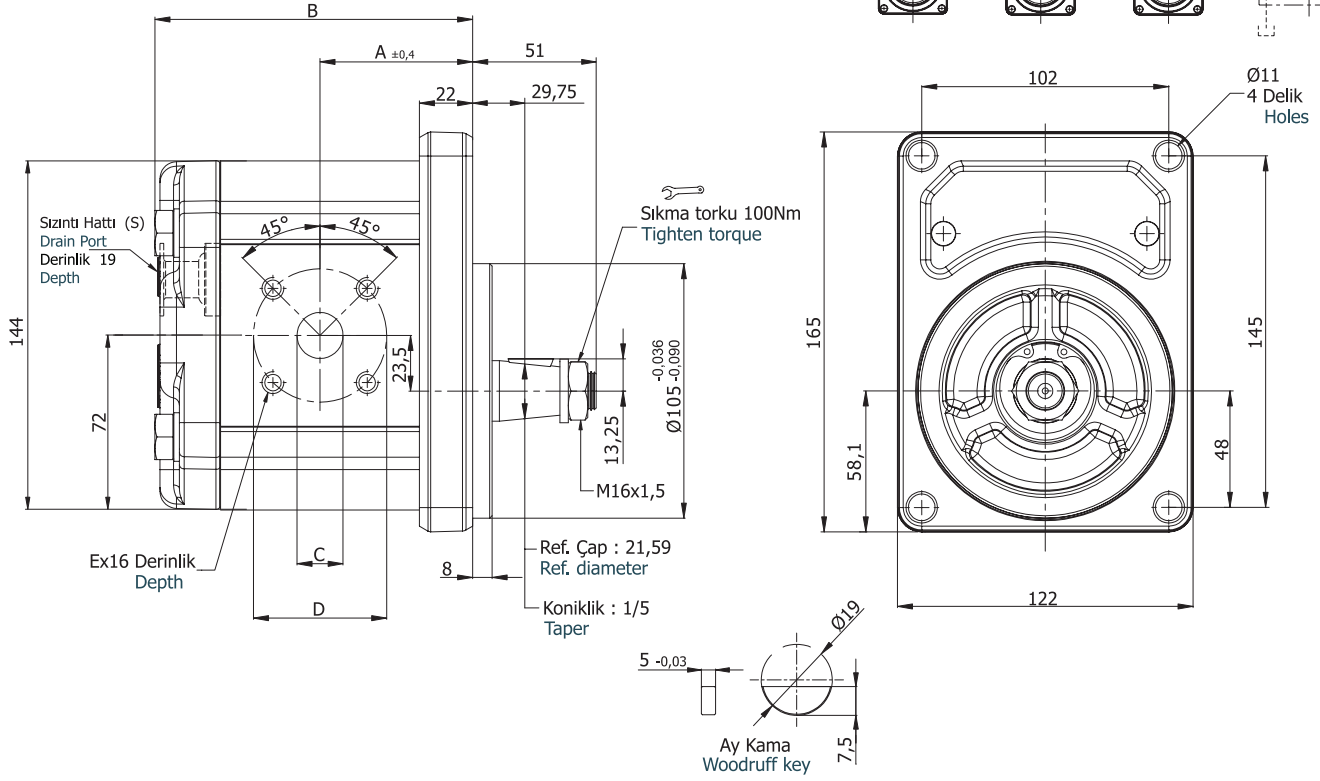
D Ön Kapak
Front Cover

D Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM30.170.RDD01EGN	17,0	250	3000	59,5	124,1	19	55	M8x16	G 3/8"
APM30.220.RDD01EGN	22,0			61,5	128,1				
APM30.270.RDD01EGN	27,0			63,0	131,1				
APM30.320.RDD01EGN	32,0	240		64,5	134,1	27			
APM30.340.RDD01EGN	34,0			65,0	135,1				
APM30.380.RDD01EGN	38,0			66,5	138,1				
APM30.430.RDD01EGN	43,0	230	2500	68,0	141,1	27	55	M8x16	G 3/8"
APM30.470.RDD01EGN	47,0			69,5	144,1				
APM30.510.RDD01EGN	51,0	210	1750	70,5	146,1	27	55	M8x16	G 3/8"
APM30.560.RDD01EGN	56,0	200		71,5	148,1				
APM30.610.RDD01EGN	61,0	180		74,0	153,1				
APM30.730.RDD01EGN	73,0	170	1500	77,0	160,1	27	55	M8x16	G 3/8"
APM30.820.RDD01EGN	82,0	160		80,0	166,1				
APM30.900.RDD01EGN	90,0	150		83,0	172,1				
APM30.1000.RDD01EGN	100,0	140		86,0	178,1				

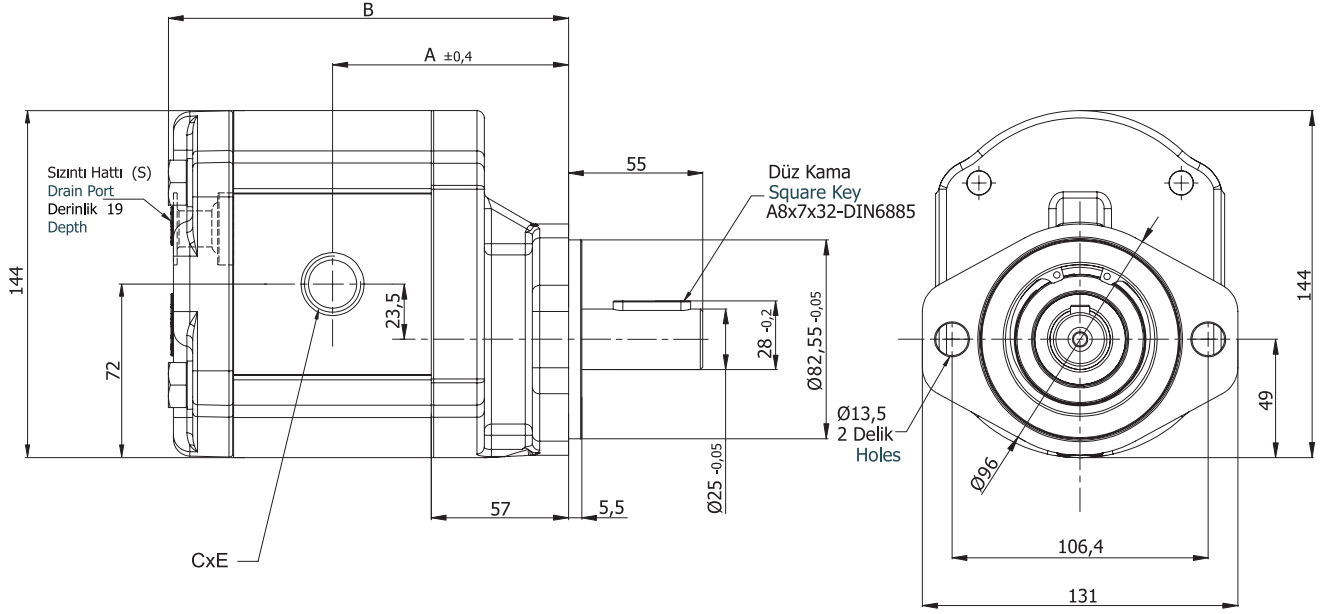
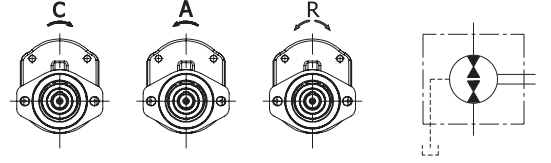
G Ön Kapak
Front Cover

A Şaft Tipi
Shaft Type


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş/Çıkış – Inlet/Outlet			Sızıntı - Drain
						C	D	E	S
APM30.170.RGA01EGN	17,0	250	3000	59,5	124,1	19	55	M8x16	G 3/8"
APM30.220.RGA01EGN	22,0			61,5	128,1				
APM30.270.RGA01EGN	27,0			63,0	131,1				
APM30.320.RGA01EGN	32,0	240		64,5	134,1	27			
APM30.340.RGA01EGN	34,0			65,0	135,1				
APM30.380.RGA01EGN	38,0			66,5	138,1				
APM30.430.RGA01EGN	43,0	230	2500	68,0	141,1	27	55	M8x16	G 3/8"
APM30.470.RGA01EGN	47,0			69,5	144,1				
APM30.510.RGA01EGN	51,0			210	70,5				
APM30.560.RGA01EGN	56,0	200	1750	71,5	148,1	27	55	M8x16	G 3/8"
APM30.610.RGA01EGN	61,0	180		74,0	153,1				
APM30.730.RGA01EGN	73,0	170		77,0	160,1				
APM30.820.RGA01EGN	82,0	160		80,0	166,1				
APM30.900.RGA01EGN	90,0	150	1500	83,0	172,1	27	55	M8x16	G 3/8"
APM30.1000.RGA01EGN	100,0	140		86,0	178,1				

H Ön Kapak
Front Cover

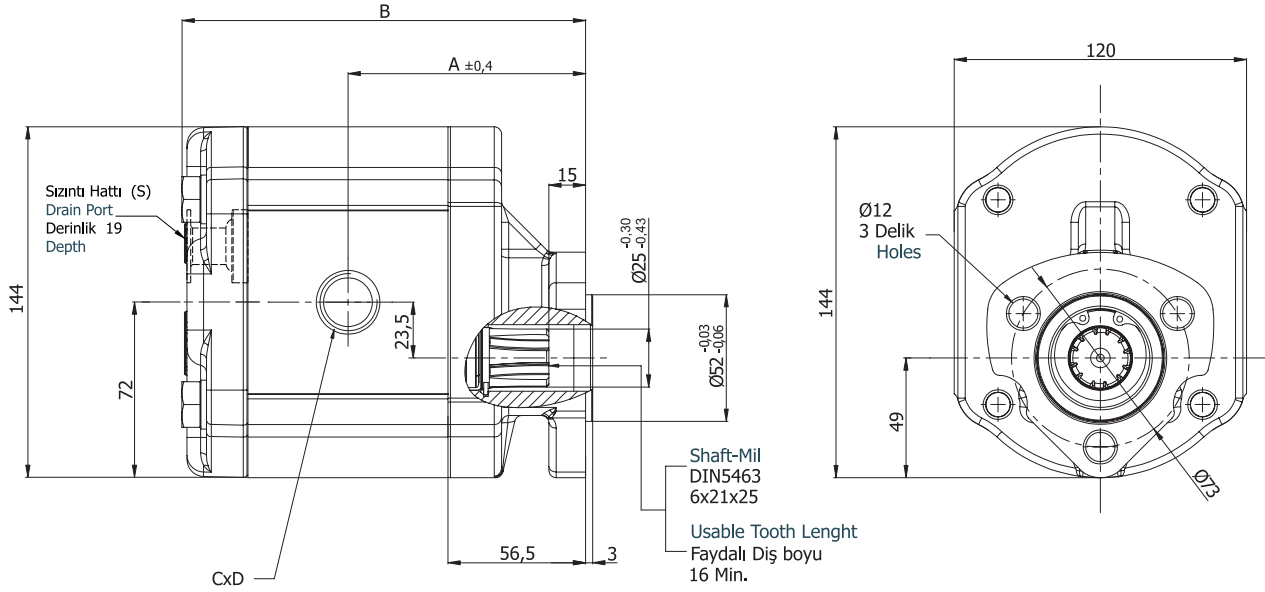
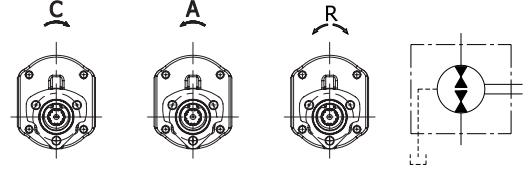
P Şaft Tipi
Shaft Type



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş – Inlet		Sızıntı - Drain
						C	E	S
APM30.170.RHP05EGN	17,0	250	3000	94,5	159,1	30,5	G1"	G 3/8"
APM30.220.RHP05EGN	22,0			96,5	163,1			
APM30.270.RHP05EGN	27,0			98,0	166,1			
APM30.320.RHP05EGN	32,0	240		99,5	169,1			
APM30.340.RHP05EGN	34,0			100,0	170,1			
APM30.380.RHP05EGN	38,0			101,5	173,1			
APM30.430.RHP05EGN	43,0	230	2500	103,0	176,1	39	G 1 1/4"	
APM30.470.RHP05EGN	47,0			104,5	179,1			
APM30.510.RHP05EGN	51,0			210	105,5			
APM30.560.RHP05EGN	56,0	200	1750	106,5	183,1	45	G 1 1/2"	
APM30.610.RHP05EGN	61,0	180		109,0	188,1			
APM30.730.RHP05EGN	73,0	170		112,0	195,1			
APM30.820.RHP05EGN	82,0	160	1500	115,0	201,1	45	G 1 1/2"	
APM30.900.RHP05EGN	90,0	150		118,0	207,1			
APM30.1000.RHP05EGN	100,0	140		121,0	213,1			

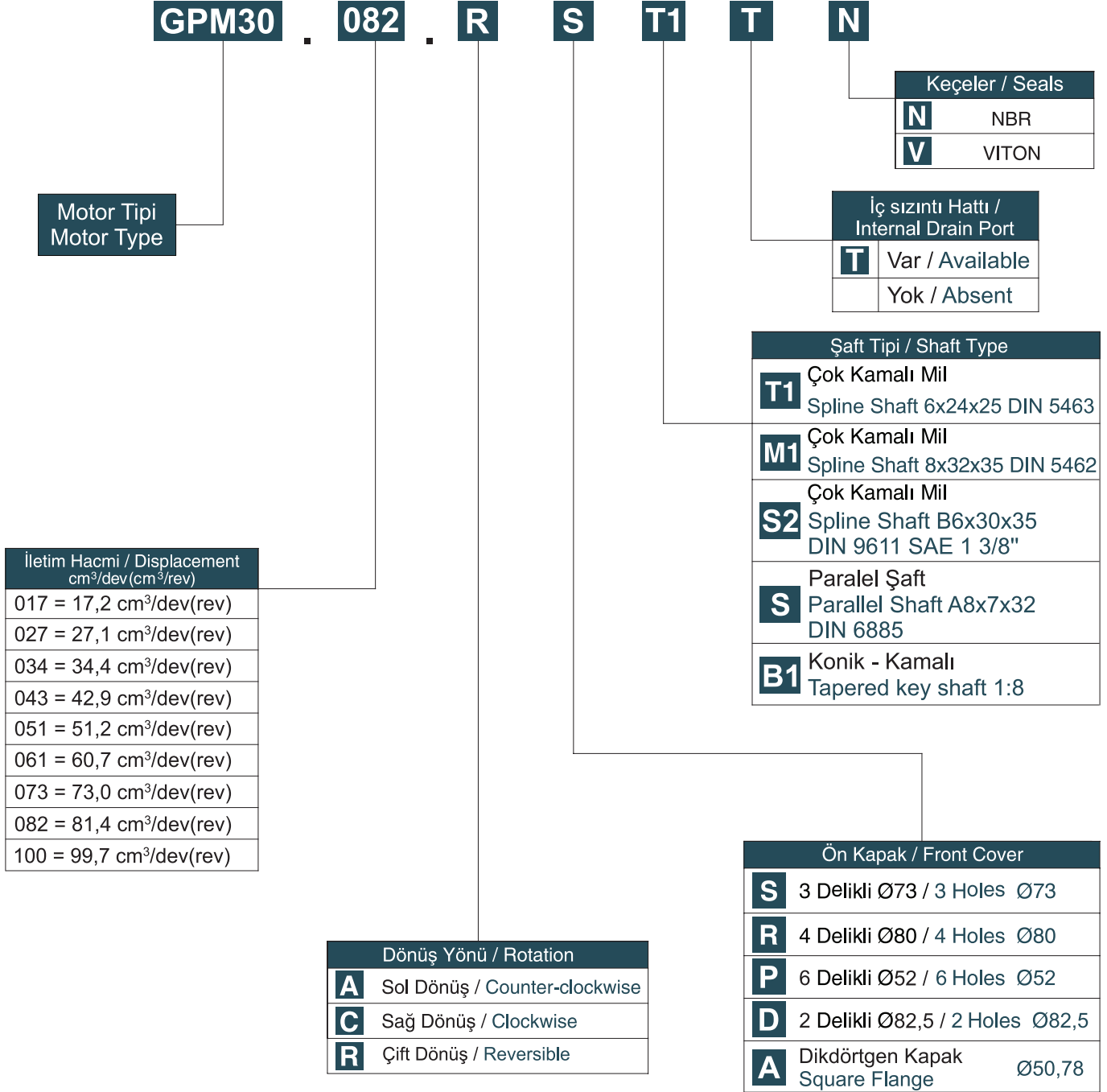
S Ön Kapak
Front Cover

U Şaft Tipi
Shaft Type



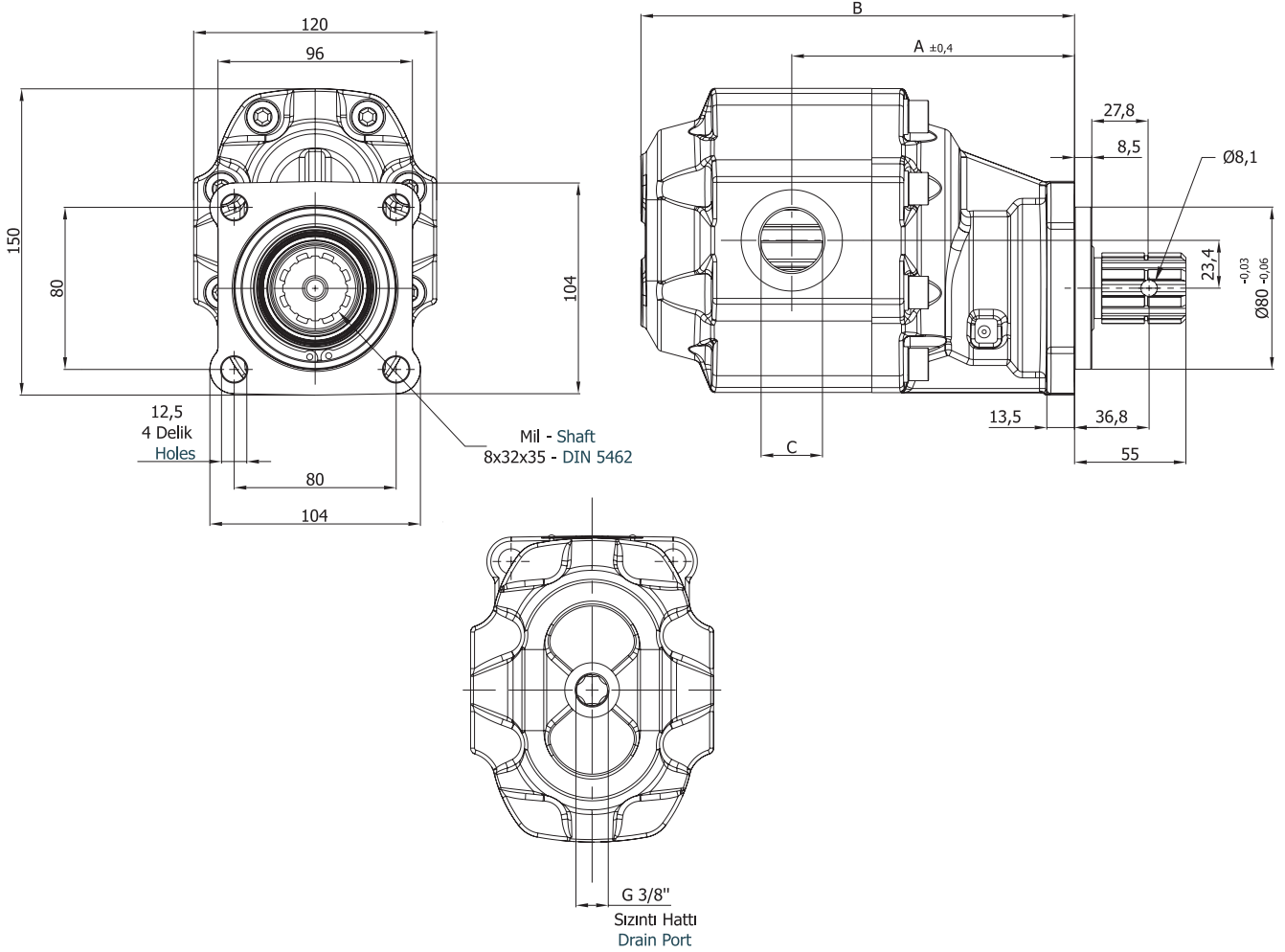
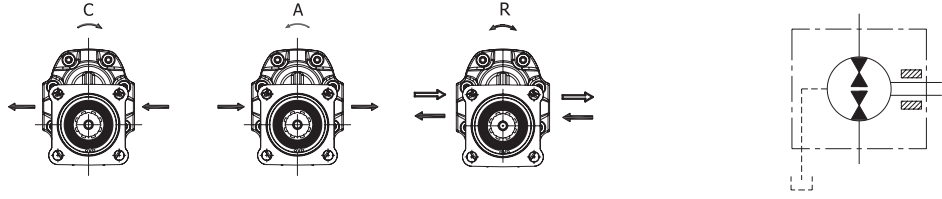
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş – Inlet		Sızıntı - Drain
						C	E	S
APM30.170.RSU05EGN	17,0	250	3000	94,0	158,6	30,5	G1"	G 3/8"
APM30.220.RSU05EGN	22,0			96,0	162,6			
APM30.270.RSU05EGN	27,0			97,5	165,6			
APM30.320.RSU05EGN	32,0			99,0	168,6			
APM30.340.RSU05EGN	34,0			99,5	169,6			
APM30.380.RSU05EGN	38,0			101,0	172,6			
APM30.430.RSU05EGN	43,0	230	2500	102,5	175,6	39	G 1 1/4"	
APM30.470.RSU05EGN	47,0			104,0	178,6			
APM30.510.RSU05EGN	51,0			105,0	180,6			
APM30.560.RSU05EGN	56,0	200	2500	106,0	182,6	45	G 1 1/2"	
APM30.610.RSU05EGN	61,0	180	1750	108,5	187,6			
APM30.730.RSU05EGN	73,0	170	1500	111,5	194,6			
APM30.820.RSU05EGN	82,0	160		114,5	200,6			
APM30.900.RSU05EGN	90,0	150		117,5	206,6			
APM30.1000.RSU05EGN	100,0	140	1500	120,5	212,6			

GPM30 MOTORLARIN KODLAMA SİSTEMİ
ORDERING CODE OF GPM30 MOTORS



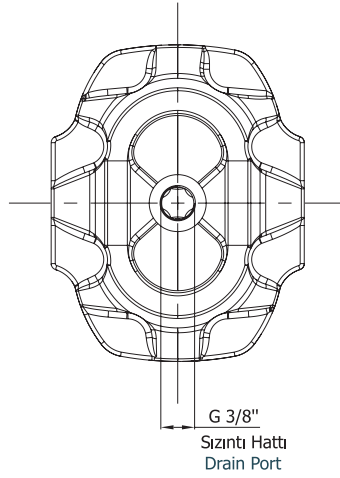
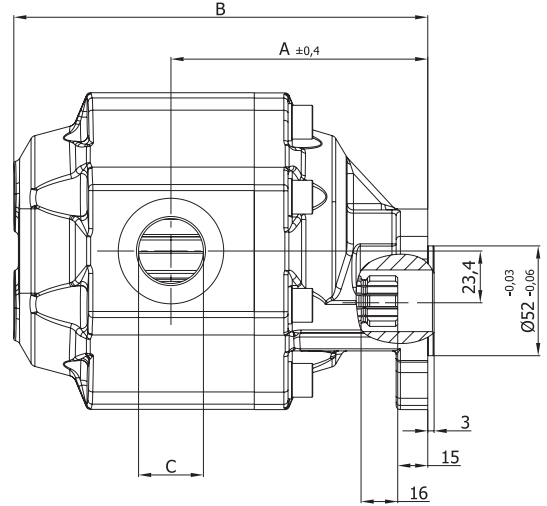
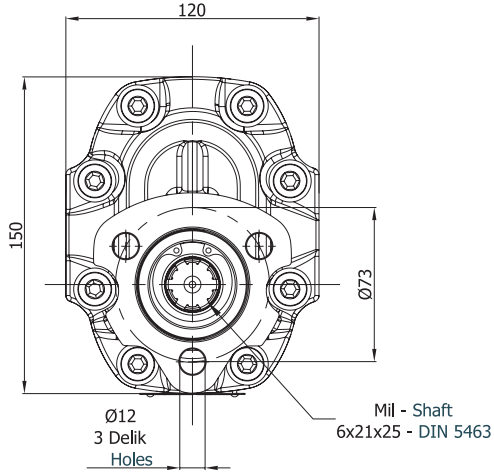
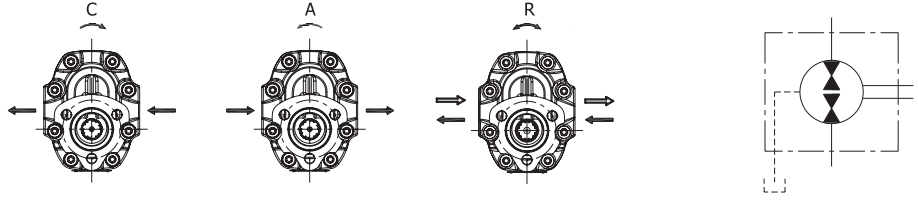
- Kodlama Örneği ; GPM30.082.RST1N
Code Example

ISO TİPİ
TYPE

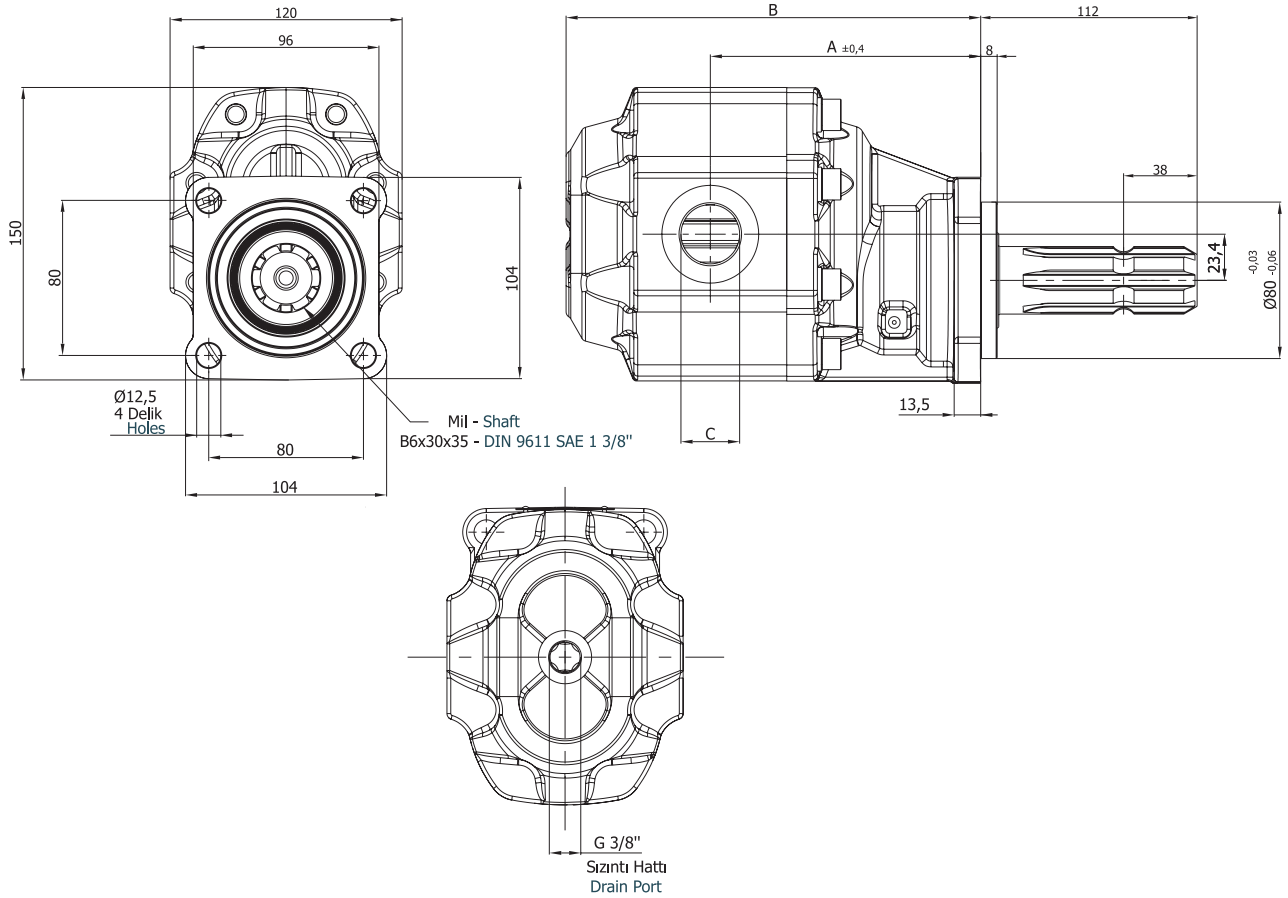
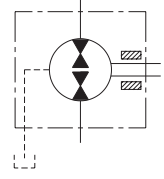
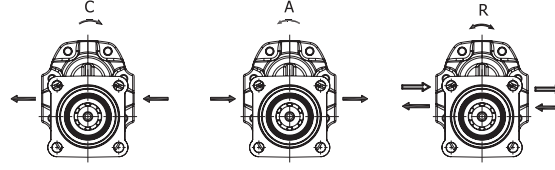


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş – Inlet	Çıkış - Outlet
						C	c
GPM30.017.RRM1N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"
GPM30.027.RRM1N	27,1	290		122,2	179,0		
GPM30.034.RRM1N	34,4	280	2750	124,5	183,6	G 3/4"	G 3/4"
GPM30.043.RRM1N	42,9	270		127,4	189,4		
GPM30.051.RRM1N	51,2	240	2500	129,5	193,5	G 1"	G 1"
GPM30.061.RRM1N	60,7	220		133,2	201,0		
GPM30.073.RRM1N	73,0	200	1750	137,1	208,7	G 1-1/4"	G 1-1/4"
GPM30.082.RRM1N	81,4	190		140,0	214,5		
GPM30.100.RRM1N	99,7	180		145,8	226,1		

UNI
TİPİ
TYPE

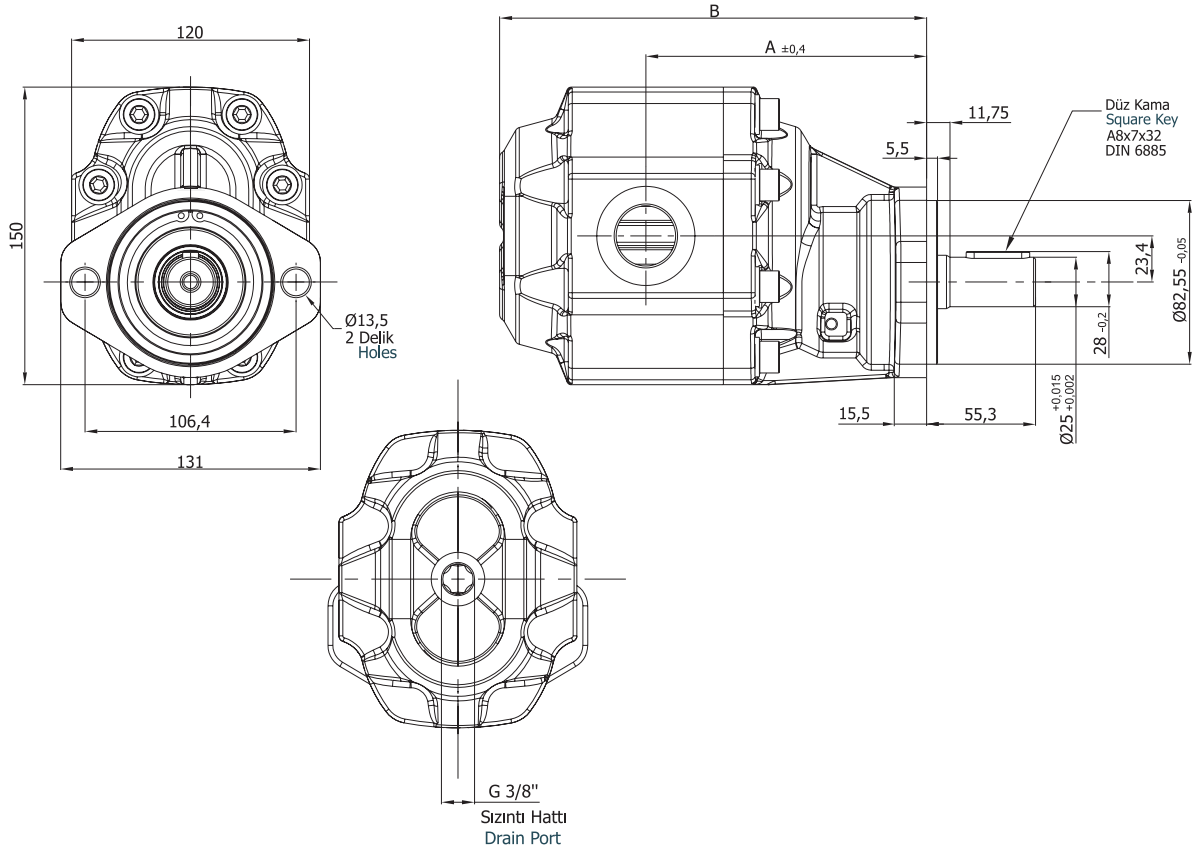
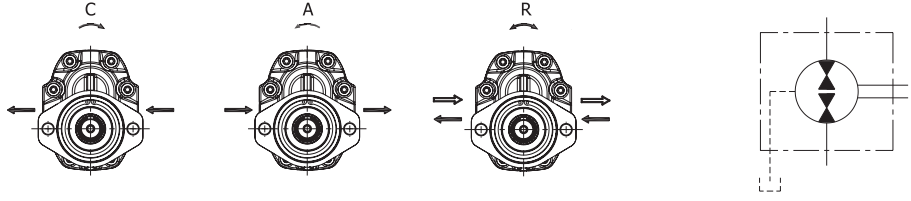


Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev(cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş – Inlet	Çıkış – Outlet
						C	c
GPM30.017.RST1N	17,2	300	3000	100,8	154,4	G 1/2"	G 1/2"
GPM30.027.RST1N	27,1	290		104,0	160,8		
GPM30.034.RST1N	34,4	280	2500	106,3	165,4	G 3/4"	G 3/4"
GPM30.043.RST1N	42,9	270		109,2	171,2		
GPM30.051.RST1N	51,2	240	2000	111,3	175,3	G 1"	G 1"
GPM30.061.RST1N	60,7	220		115,0	182,8		
GPM30.073.RST1N	73,0	200	1750	118,9	190,5	G 1-1/4"	G 1-1/4"
GPM30.082.RST1N	81,4	190		121,8	196,3		
GPM30.100.RST1N	99,7	180		127,6	207,9		

SAE TİPİ
TYPE

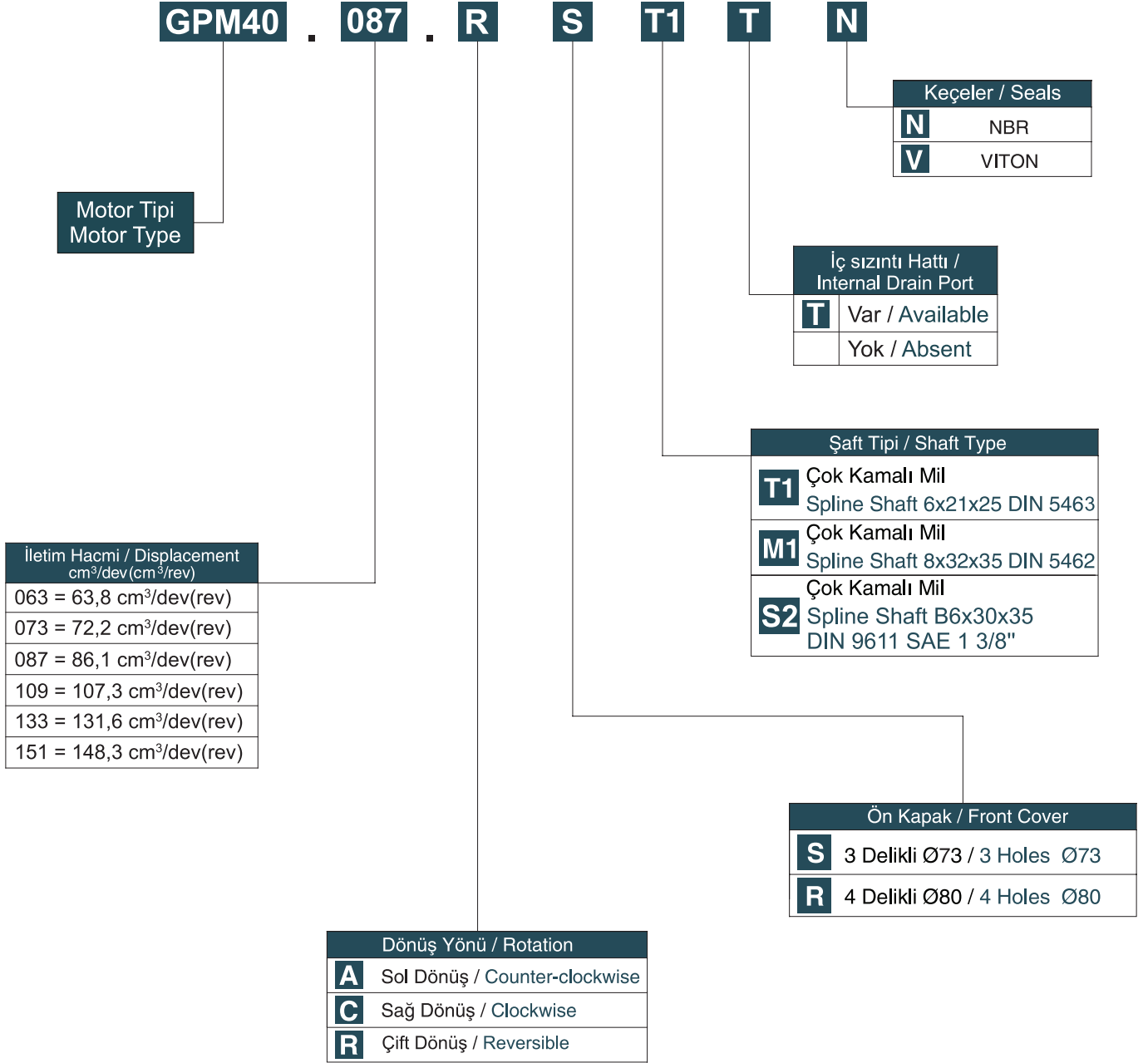
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B	Giriş - Inlet	Çıkış - Outlet
						C	c
GPM30.017.RRS2N	17,2	300	3000	119,0	172,6	G 1/2"	G 1/2"
GPM30.027.RRS2N	27,1	290		122,2	179,0		
GPM30.034.RRS2N	34,4	280	2500	124,5	183,6	G 3/4"	G 3/4"
GPM30.043.RRS2N	42,9	270		127,4	189,4		
GPM30.051.RRS2N	51,2	240	2000	129,5	193,5	G 1"	G 1"
GPM30.061.RRS2N	60,7	220		133,2	201,0		
GPM30.073.RRS2N	73,0	200	1750	137,1	208,7	G 1-1/4"	G 1-1/4"
GPM30.082.RRS2N	81,4	190		140,0	214,5		
GPM30.100.RRS2N	99,7	180		145,8	226,1		

S TİPİ
TYPE



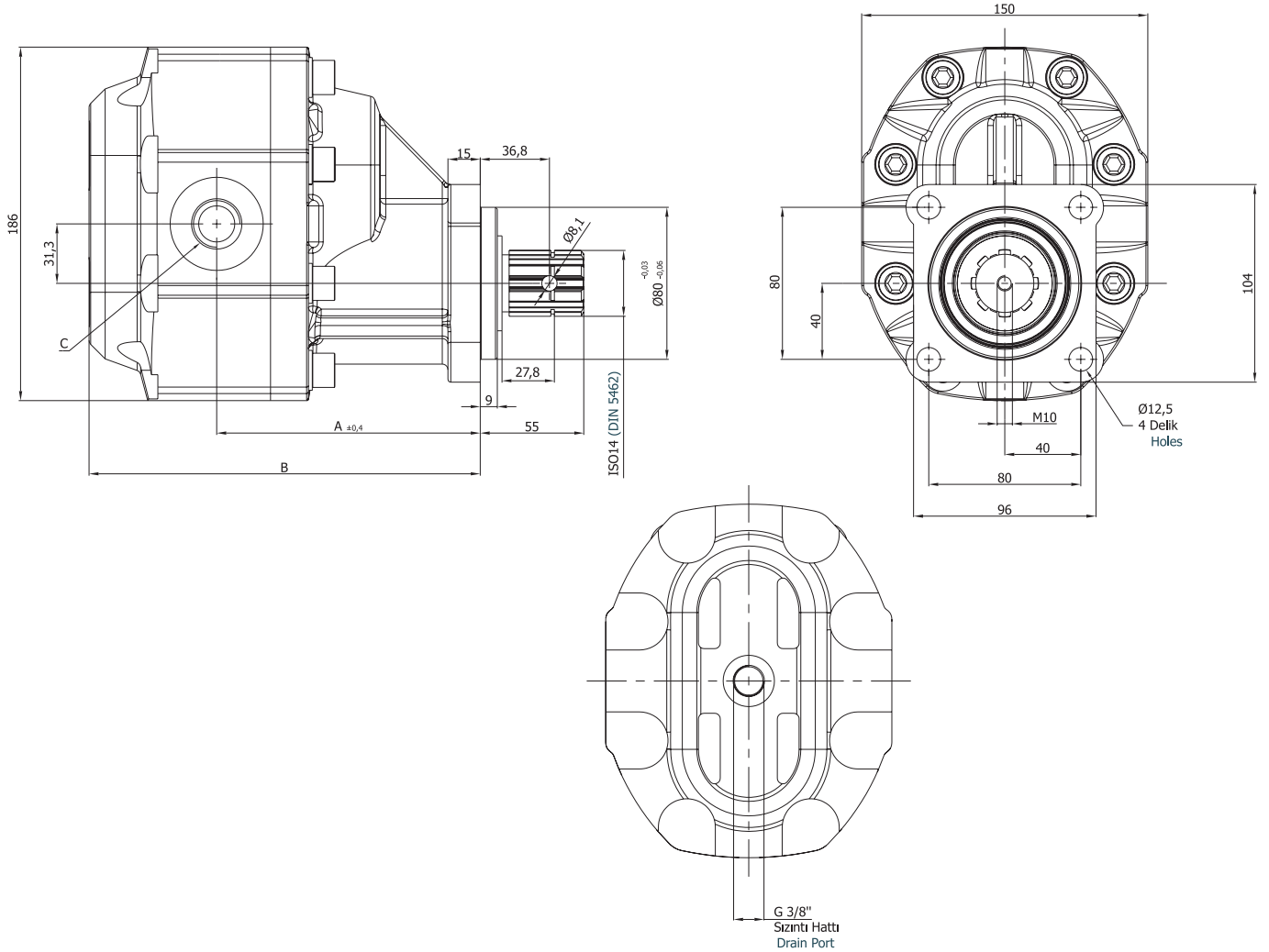
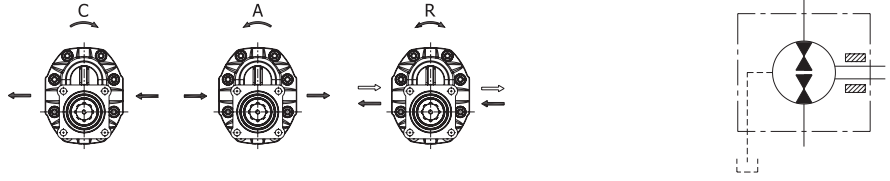
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş – Inlet	Çıkış - Outlet
						C	c
GPM30.017.RDSN	17,2	300	3000	121,0	174,6	G 1/2"	G 1/2"
GPM30.027.RDSN	27,1	290		104,0	181,0		
GPM30.034.RDSN	34,4	280	2500	106,3	185,6	G 3/4"	G 3/4"
GPM30.043.RDSN	42,9	270		109,2	191,4		
GPM30.051.RDSN	51,2	240	2000	111,3	195,5	G 1"	G 1"
GPM30.061.RDSN	60,7	220		115,0	203,0		
GPM30.073.RDSN	73,0	200	1750	118,9	210,7	G 1-1/4"	G 1-1/4"
GPM30.082.RDSN	81,4	190		121,8	216,5		
GPM30.100.RDSN	99,7	180		127,6	228,1		

GPM40 MOTORLARIN KODLAMA SİSTEMİ ORDERING CODE OF GPM40 MOTORS



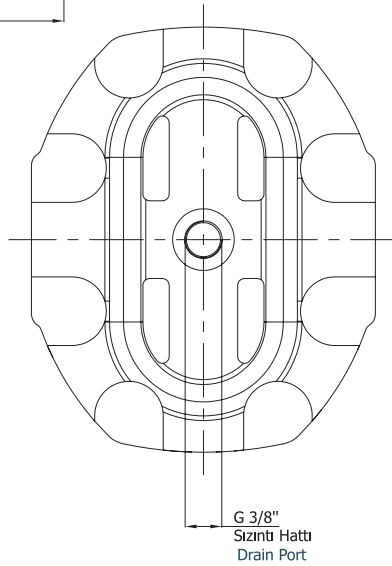
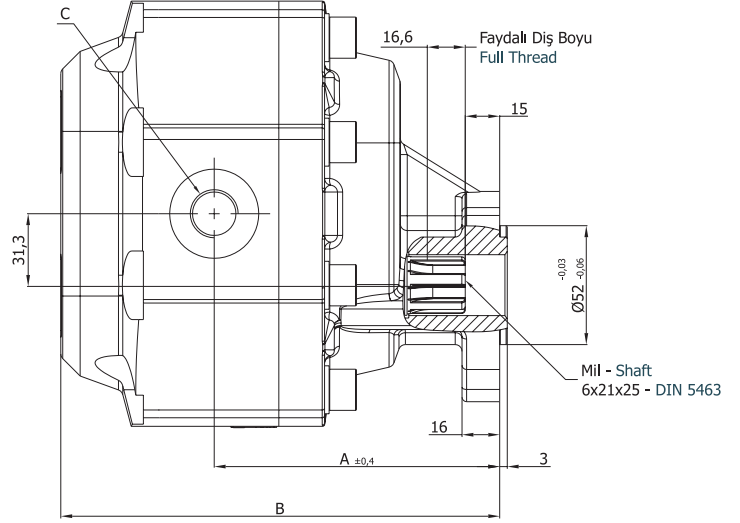
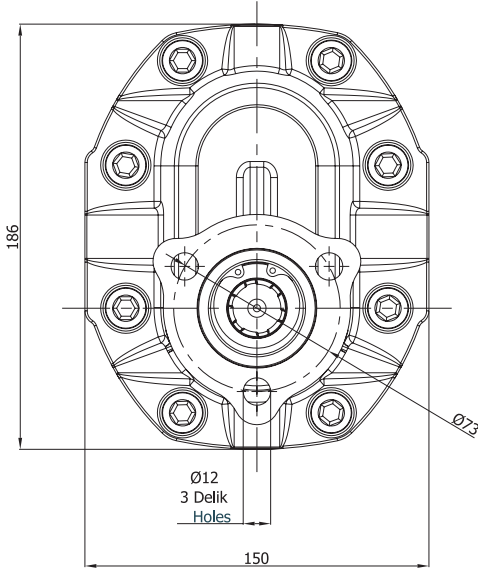
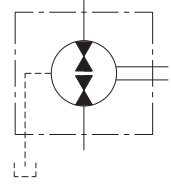
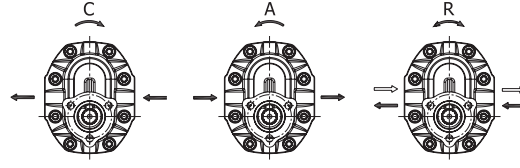
- Kodlama Örneği ; GPM40.087.RST1N
Code Example

ISO TIPI
TYPE



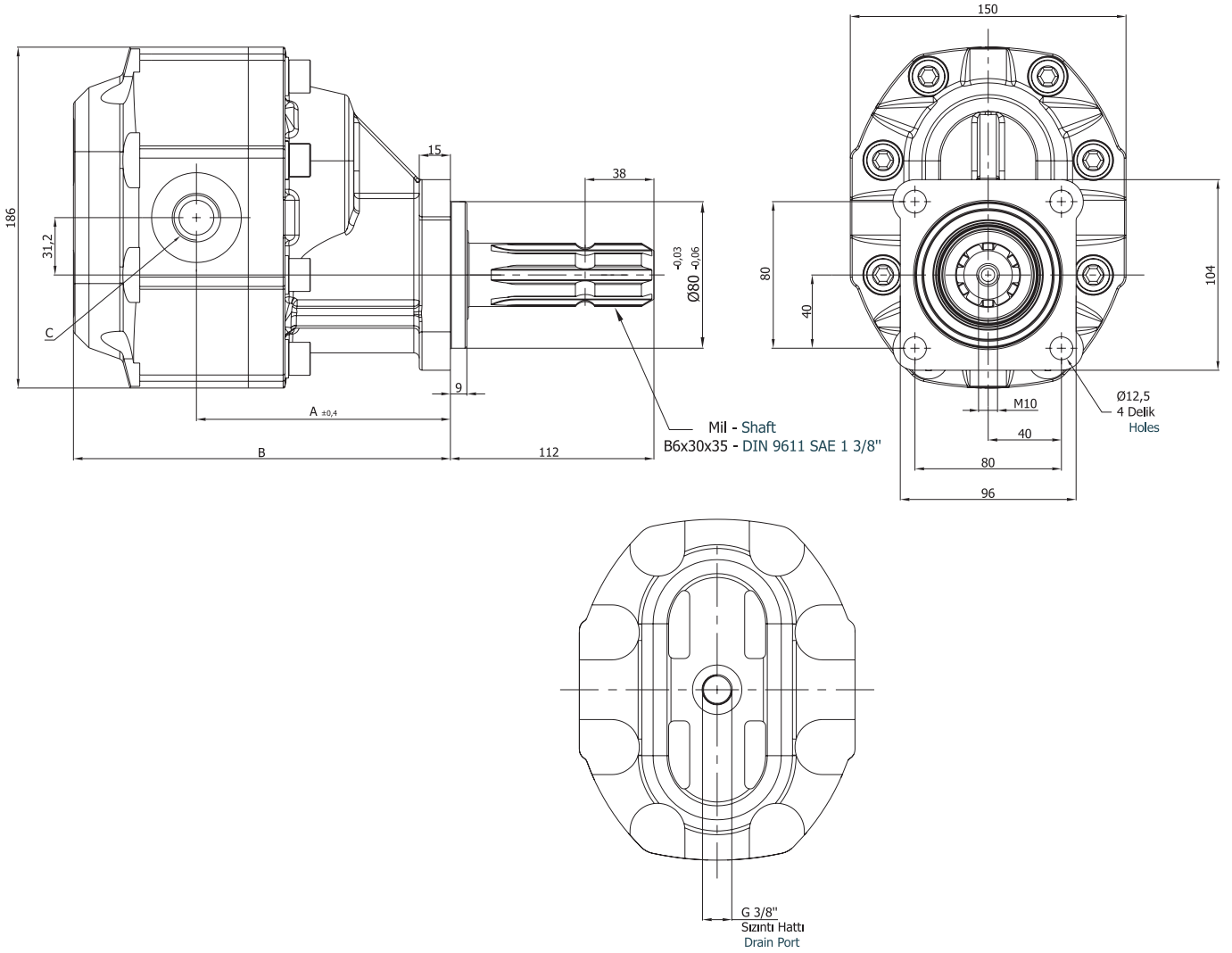
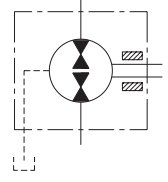
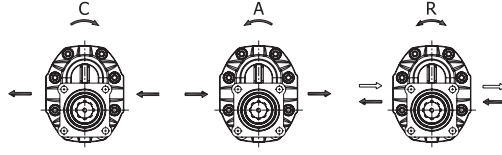
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş – Inlet	Çıkış - Outlet
						C	c
GPM40.063.RRM1N	63,8	280	2750	136,3	203,0	G 1"	G 1"
GPM40.073.RRM1N	72,2			137,3	204,6		
GPM40.087.RRM1N	86,1			141,0	209,6		
GPM40.109.RRM1N	107,3	240	2500	145,0	217,3	G 1-1/4"	G 1-1/4"
GPM40.133.RRM1N	131,6	220		148,0	225,9		
GPM40.151.RRM1N	148,3	180		153,3	232,3		

UNI
TIPI
TYPE



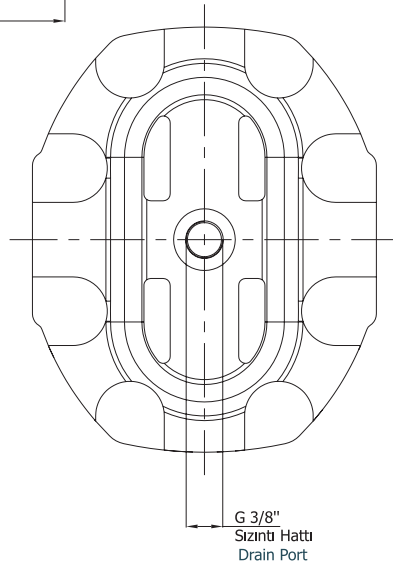
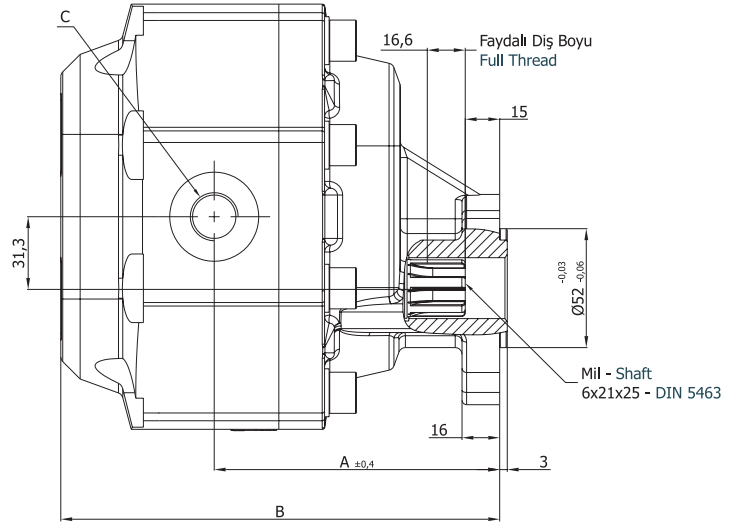
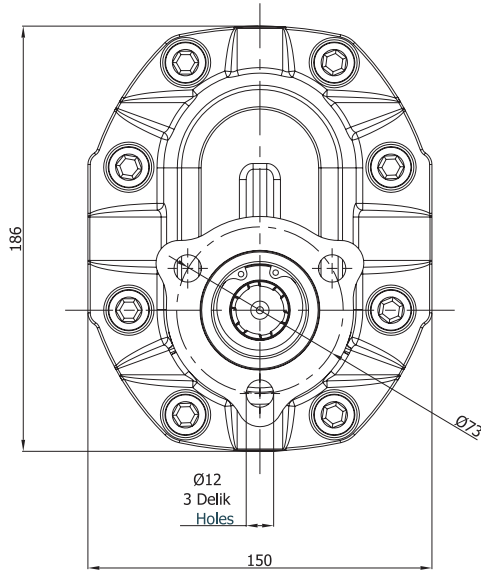
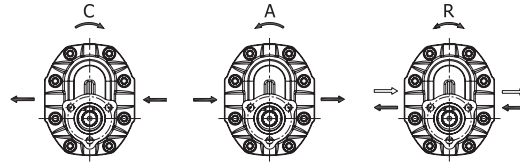
Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş – Inlet	Çıkış - Outlet
						C	c
GPM40.063.RST1N	63,8	280	2750	124,0	190,7	G 1"	G 1"
GPM40.073.RST1N	72,2			125,0	192,3		
GPM40.087.RST1N	86,1			128,7	197,3		
GPM40.109.RST1N	107,3	240	2500	132,7	205,0	G 1-1/4"	G 1-1/4"
GPM40.133.RST1N	131,6	220		135,7	213,6		
GPM40.151.RST1N	148,3	180		141,0	220,0		

SAE TİPİ
TYPE



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş - Inlet	Çıkış - Outlet
						C	c
GPM40.063.RRS2N	63,8	280	2750	136,3	203,0	G 1"	G 1"
GPM40.073.RRS2N	72,2			137,3	204,6		
GPM40.087.RRS2N	86,1	260		141,0	209,6		
GPM40.109.RRS2N	107,3	240	2500	145,0	217,3	G 1-1/4"	G 1-1/4"
GPM40.133.RRS2N	131,6	220		148,0	225,9		
GPM40.151.RRS2N	148,3	180		153,3	232,3		

UNI
TIPI
TYPE



Motor Tipi Motor Type	İletim Hacmi Displacement cm ³ /dev (cm ³ /rev)	Maks. Basınç Max. Pressure (bar)	Maks. Hız Max. Speed d/d (rpm)	A	B	Giriş – Inlet	Çıkış - Outlet
						C	c
GPM40.063.RST1N	63,8	280	2750	124,0	190,7	G 1"	G 1"
GPM40.073.RST1N	72,2			125,0	192,3		
GPM40.087.RST1N	86,1			128,7	197,3		
GPM40.109.RST1N	107,3	240	2500	132,7	205,0	G 1-1/4"	G 1-1/4"
GPM40.133.RST1N	131,6	220		135,7	213,6		
GPM40.151.RST1N	148,3	180		141,0	220,0		

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