

GRUP 20 POMPALARIN KODLAMA SİSTEMİ ORDERING CODE OF GROUP 20 PUMPS

AP20 . 115/115/115 . C A B 02 S O N - T

Pompa Tipi / Pump Type	İletim Hacmi / Displacement cm ³ /dev (cm ³ /rev)
AP20 Alüminyum Gövdeli Düz Dişli Pompa Aluminium Body Gear Pump	040 = 3,9 cm ³ /dev (cm ³ /rev) 060 = 5,9 cm ³ /dev (cm ³ /rev)
APH20 Alüminyum Gövdeli Helisel Dişli Pompa Aluminium Body Helical Gear Pump	080 = 8,0 cm ³ /dev (cm ³ /rev) 095 = 9,4 cm ³ /dev (cm ³ /rev)
DKP20 Döküm Gövdeli Düz Dişli Pompa Cast Iron Body Gear Pump	115 = 11,4 cm ³ /dev (cm ³ /rev) 140 = 13,9 cm ³ /dev (cm ³ /rev)
DPH20 Döküm Gövdeli Helisel Dişli Pompa Cast Iron Body Helical Gear Pump	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 Yataklar / Outboard Bearings
O Var / Available
Yok / Absent

Eleman sayısı
Tekil / Single
Tandem
Modüler / Modular

Keçe / Seal
N NBR
V Viton

Arka Kapak / Rear Cover
S Standart / Standard
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 Valfi 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 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

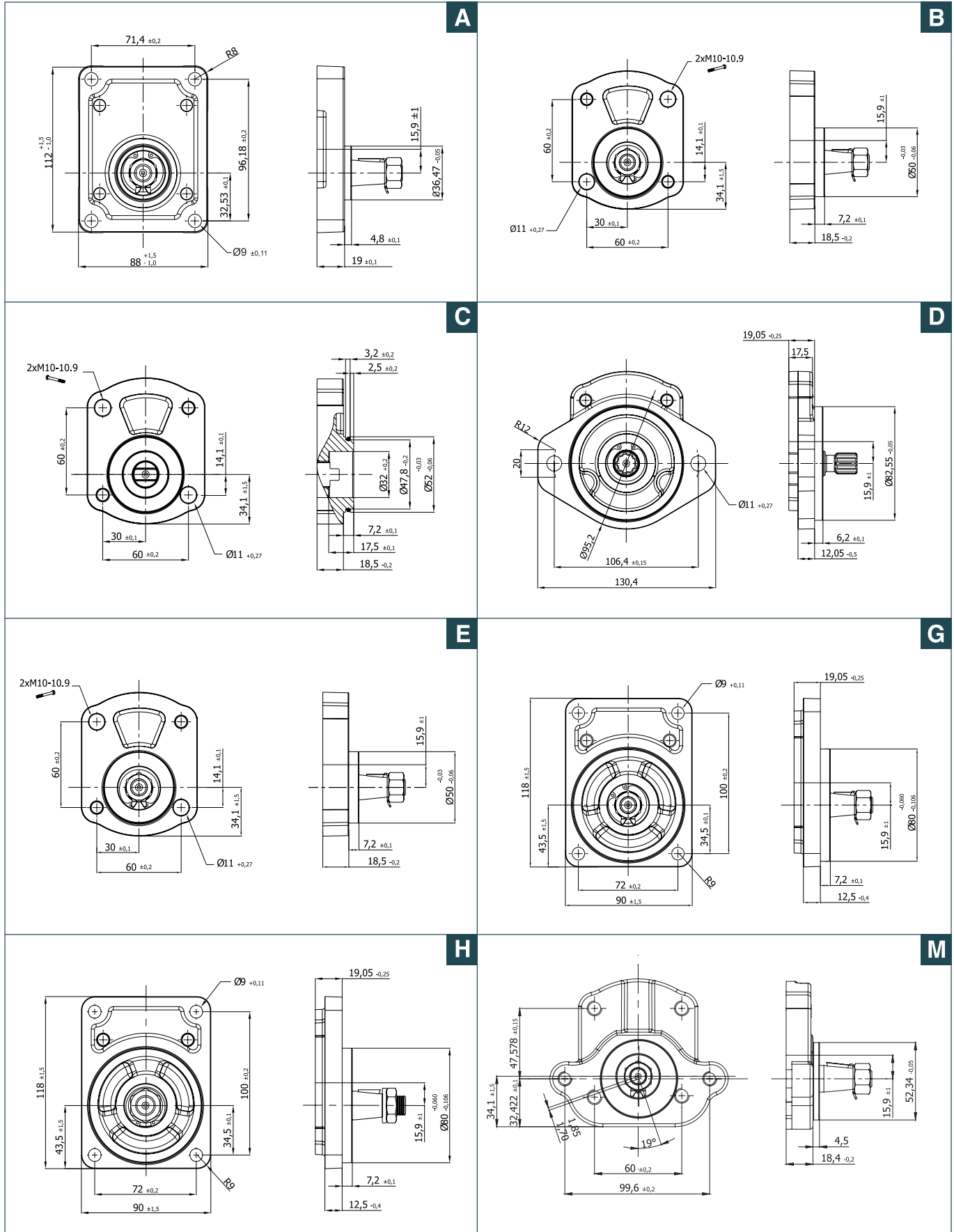
Tahrik Şaftı / Drive Shaft
A Konik - Kamalı / Tapered key shaft 1:5
B Konik - Kamalı / Tapered key shaft 1:8
C SAE spline şaft 9 diş / SAE spline shaft 9T
E Kesik şaftlı / Tang drive shaft
F SAE spline şaft 11 diş / SAE spline shaft 11T
G Spline şaft DIN 5482 / Spline shaft (B17x14)
H Paralel şaft / 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

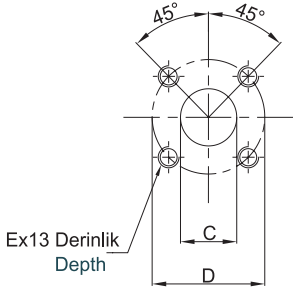
- Kodlama Örneği (Tekli) ; AP20.115.CAB02SN
Code Example (Single)

- Kodlama Örneği (Tandem) ; AP20.115/115/115.CAB02SN-T
Code Example (Tandem)

- Kodlama Örneği (Modüler) ; AP20.115/115/115.CAB02SN-M
Code Example (Modular)

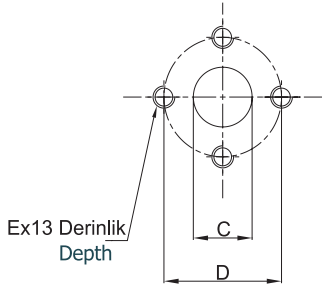


A Maks. Tork 110 Nm Max. Torque	B Maks. Tork 110 Nm Max. Torque
C Maks. Tork 90 Nm Max. Torque	E Maks. Tork 65 Nm Max. torque
F Maks. Tork 150 Nm Max. Torque	G Maks. Tork 115 Nm Max. Torque
H Maks. Tork 55 Nm Max. torque	M Maks. Tork 115 Nm Max. Torque



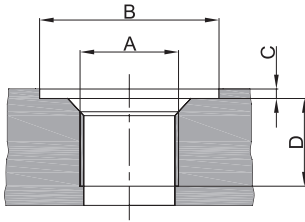
01 Kare Tipi Flanş
Rectangular Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
01	4	12	40	M6	12	35	M6
	6	13,5			13,5		
	8 – 25	20			15		
	28 - 40				20	40	



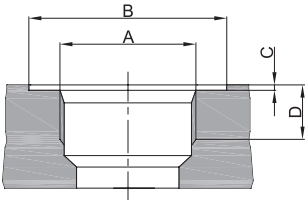
02 Baklava Tipi Flanş
Diamond Flange

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side			Basınç Tarafı Pressure Side		
		C	D	E	c	d	e
02	4	12	30,2	M6	12	30,2	M6
	6 – 8	13,5			13,5		
	9,5 – 25	20	40	M8	20	40	M8
	28 – 40						



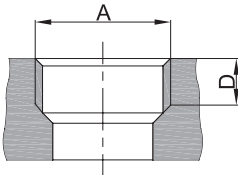
03 Metrik diş / Thread, Oring Boss
Metric ISO 6149 With Seal Ring

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
03	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				



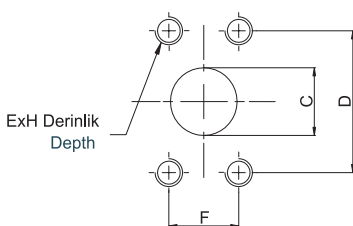
04 Diş / Thread
(UNF-2B) SAE Oring Boss

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side				Basınç Tarafı Pressure Side			
		A	B	C	D	A	B	C	D
04	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 – 28	1 1/16-12 UN-2B	45		19				
	32 – 40				19	1 1/16-12 UN-2B	45		19



05 Boru diş / Pipe Thread
ISO228/1

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side		Basınç Tarafı Pressure Side	
		A	D	A	D
05	4 – 16	G ¾	16	G ½	16
	19 – 40	G 1	19	G ¾	

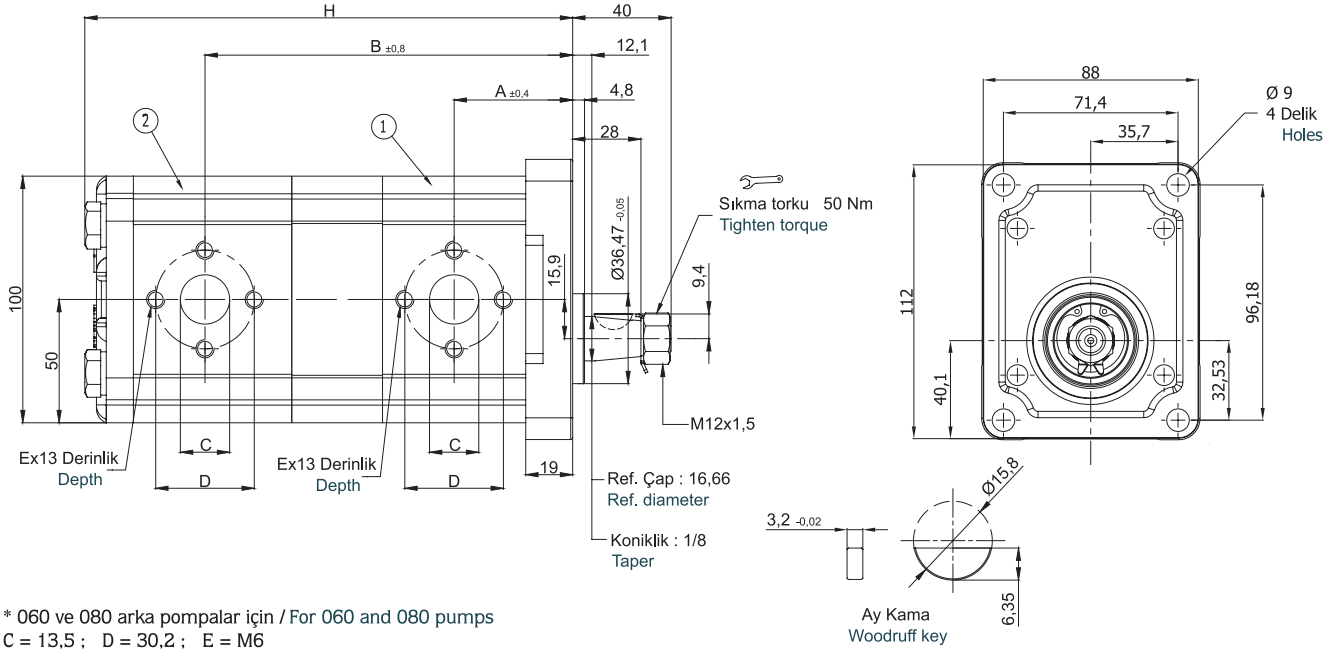
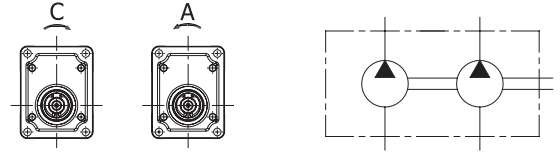


06 SAE Dikdörtgen Flanş Metrik Diş
SAE Square Flange Metric Thread

Sipariş Kodu Ordering Code	İletim Hacmi Displacement cm³/dev (rev)	Emiş Tarafı Suction Side					Basınç Tarafı Pressure Side				
		C	D	E	F	H	c	d	e	f	h
06	4 - 11,5	12	38,1	M8	17,5	13	12	38,1	M8	17,5	13
	14 - 19	20	47,6	M10	22,2	16					
	22 - 40	26	52,4		26,2	20	47,6	M10	22,2	16	

A Ön Kapak
Front Cover

B Şaft Tipi
Shaft Type



* 060 ve 080 arka pompalar için / For 060 and 080 pumps
C = 13,5 ; D = 30,2 ; E = M6

Pompa Tipi Pump 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 ±0,8	H	Giriş - Inlet			Çıkış - Outlet		
	1	2	1	2					C	D	E	c	d	e
AP20.115/060.A/CAB02SN-T	11,4	5,9	250	250	3000	48	138,8	183,6	20 *	40 *	M8 *	13,5	30,2	M6
AP20.115/080.A/CAB02SN-T	11,4	8,0					140,6	186,7						
AP20.115/115.A/CAB02SN-T	11,4	11,4					143,1	192,2						
AP20.140/060.A/CAB02SN-T	13,9	5,9				50	142,8	187,5						
AP20.140/080.A/CAB02SN-T	13,9	8,0					144,3	190,6						
AP20.140/115.A/CAB02SN-T	13,9	11,4					147,0	196,1						
AP20.140/140.A/CAB02SN-T	13,9	13,9					149,0	200,0						
AP20.160/060.A/CAB02SN-T	16,0	16,0				51,5	145,9	190,6						
AP20.160/080.A/CAB02SN-T	16,0	8,0					147,4	193,8						
AP20.160/115.A/CAB02SN-T	16,0	11,4					150,1	199,2						
AP20.160/140.A/CAB02SN-T	16,0	13,9					152,1	203,1						
AP20.160/160.A/CAB02SN-T	16,0	16,0					153,7	206,3						
AP20.190/060.A/CAB02SN-T	19,2	5,9				60,0	162,9	208,1						
AP20.190/080.A/CAB02SN-T	19,2	8,0					164,5	211,2						
AP20.190/115.A/CAB02SN-T	19,2	11,4					167,2	216,3						

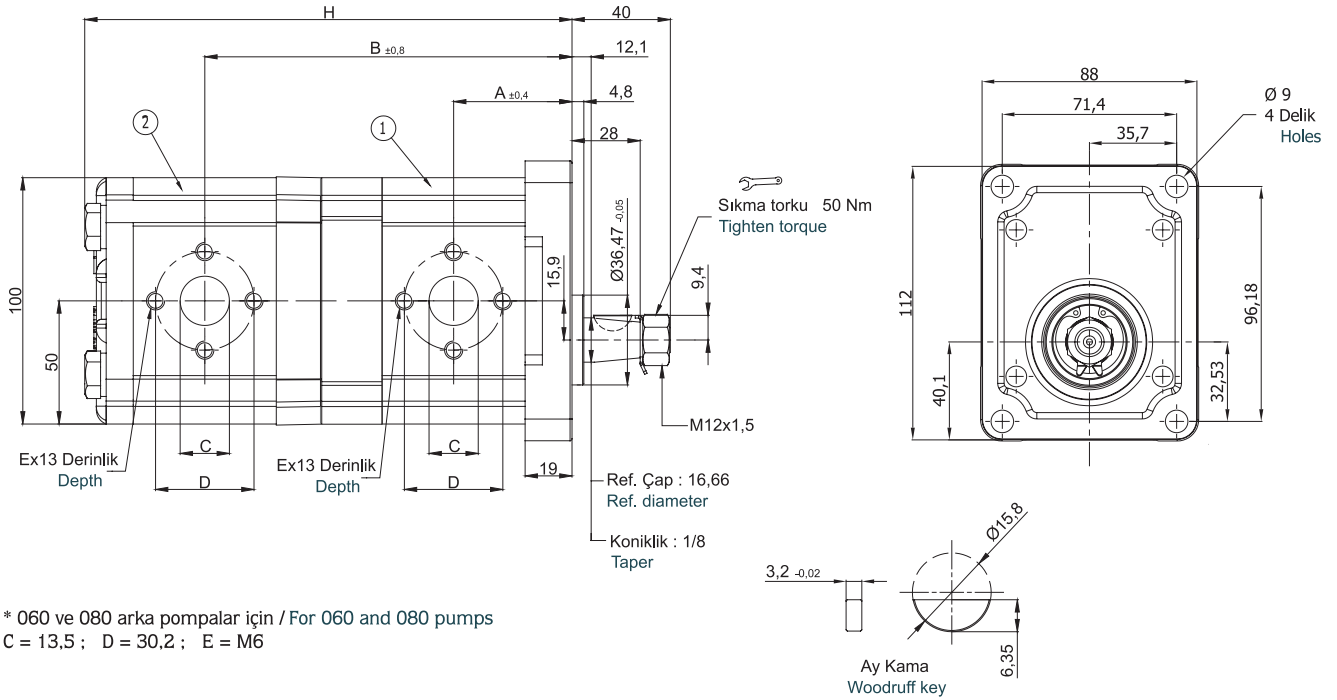
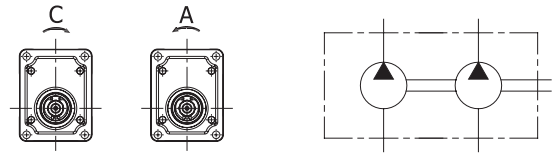




Pompa Tipi Pump Type	İletim Hacmi Displacement cm³/dev(cm³/rev)		Maks. Basınç Max. Pressure (bar)		Maks. Hız Max. Speed d/d (rpm)	A ±0,4	B ±0,8	H	Giriş – Inlet			Çıkış - Outlet		
	1	2	1	2					C	D	E	c	d	e
AP20.190/140.A/CAB02SN-T	19,2	13,9	250	250	3000	60,2	169,2	220,2	20 *	40 *	M8 *	13,5	30,2	M6
AP20.190/160.A/CAB02SN-T	19,2	16,0		230			170,7	223,3						
AP20.190/190.A/CAB02SN-T	19,2	19,2		190			179,2	240,3						
AP20.220/060.A/CAB02SN-T	21,9	5,9	210	250	2500	62,3	166,9	211,9						
AP20.220/080.A/CAB02SN-T	21,9	8,0					168,8	215,1						
AP20.220/115.A/CAB02SN-T	21,9	11,4					171,5	220,6						
AP20.220/140.A/CAB02SN-T	21,9	13,9					173,5	224,5						
AP20.220/160.A/CAB02SN-T	21,9	16,0		175,0			227,6							
AP20.220/190.A/CAB02SN-T	21,9	19,2		183,5			244,7							
AP20.220/220.A/CAB02SN-T	21,9	21,9		170			185,7	249,1						
AP20.250/060.A/CAB02SN-T	24,8	5,9	190	250		64,8	172,4	217,0						
AP20.250/080.A/CAB02SN-T	24,8	8,0					173,9	220,2						
AP20.250/115.A/CAB02SN-T	24,8	11,4					176,6	225,7						
AP20.250/140.A/CAB02SN-T	24,8	13,9					178,6	229,6						
AP20.250/160.A/CAB02SN-T	24,8	16,0		180,1			232,7							
AP20.250/190.A/CAB02SN-T	24,8	19,2		188,6			249,7							
AP20.250/220.A/CAB02SN-T	24,8	21,9		190,9			254,1							
AP20.250/250.A/CAB02SN-T	24,8	24,8		150			195,6	259,2						
AP20.280/060.A/CAB02SN-T	27,9	5,9	170	250	2200	67,0	176,7	221,4						
AP20.280/080.A/CAB02SN-T	27,9	8,0					178,2	224,5						
AP20.280/115.A/CAB02SN-T	27,9	11,4					180,9	230,0						
AP20.280/140.A/CAB02SN-T	27,9	13,9					182,9	233,9						
AP20.280/160.A/CAB02SN-T	27,9	16,0		184,4			237,1							
AP20.280/190.A/CAB02SN-T	27,9	19,2		192,9			254,1							
AP20.280/220.A/CAB02SN-T	27,9	21,9		195,2			258,4							
AP20.280/250.A/CAB02SN-T	27,9	24,8		197,7			263,5							
AP20.280/280.A/CAB02SN-T	27,9	27,9		140			199,9	267,8						
AP20.320/060.A/CAB02SN-T	32,0	5,9	160	250	2000	70,0	182,9	227,6						
AP20.320/080.A/CAB02SN-T	32,0	8,0					184,4	230,7						
AP20.320/115.A/CAB02SN-T	32,0	11,4					187,1	236,2						
AP20.320/140.A/CAB02SN-T	32,0	13,9					189,1	240,1						
AP20.320/160.A/CAB02SN-T	32,0	16,0		190,6			243,3							
AP20.320/190.A/CAB02SN-T	32,0	19,2		199,1			260,3							

A Ön Kapak
Front Cover

B Şaft Tipi Shaft Type



* 060 ve 080 arka pompalar için / For 060 and 080 pumps
C = 13,5 ; D = 30,2 ; E = M6

Pompa Tipi Pump Type	İletim Hacmi Displacement cm³/dev(cm³/rev)		Maks. Basınç Max. Pressure (bar)		Maks. Hız Max. Speed d/d (rpm)	A	B	H	Giriş – Inlet		Çıkış - Outlet				
	1	2	1	2					C	D	E	c	d	e	
AP20.115/060.AAB02SN-M	11,4	5,9	250	250	3000	48	144,8	189,6	20 *	40 *	M8 *	13,5	30,2	M6	
AP20.115/060.CAB02SN-M															
AP20.115/080.AAB02SN-M	11,4	8,0						146,6							192,7
AP20.115/080.CAB02SN-M															
AP20.115/115.AAB02SN-M	11,4	11,4						149,1							198,2
AP20.115/115.CAB02SN-M															
AP20.140/060.AAB02SN-M	13,9	5,9				50	148,8	193,5							
AP20.140/060.CAB02SN-M															
AP20.140/080.AAB02SN-M	13,9	8,0						150,3							196,6
AP20.140/080.CAB02SN-M															
AP20.140/115.AAB02SN-M	13,9	11,4						153							202,1
AP20.140/115.CAB02SN-M															
AP20.140/140.AAB02SN-M	13,9	13,9				51,5	155	206							
AP20.140/140.CAB02SN-M															
AP20.160/060.AAB02SN-M	16,0	5,9						151,9							196,6
AP20.160/060.CAB02SN-M															
AP20.160/080.AAB02SN-M	16,0	8,0		153,4	199,8										
AP20.160/080.CAB02SN-M															
AP20.160/115.AAB02SN-M	16,0	11,4		156,1	205,2										
AP20.160/115.CAB02SN-M															