

A6HP Yüksek Basıncılı Pistonlu Pompa

High Pressure Hydraulic Piston Pumps, 600-700 Bar Working Pressure,
High Pressure, High Rotational Speed, High Efficiency, Slim Design.
Cast Iron Pump Body, Re-Designed in 2025.

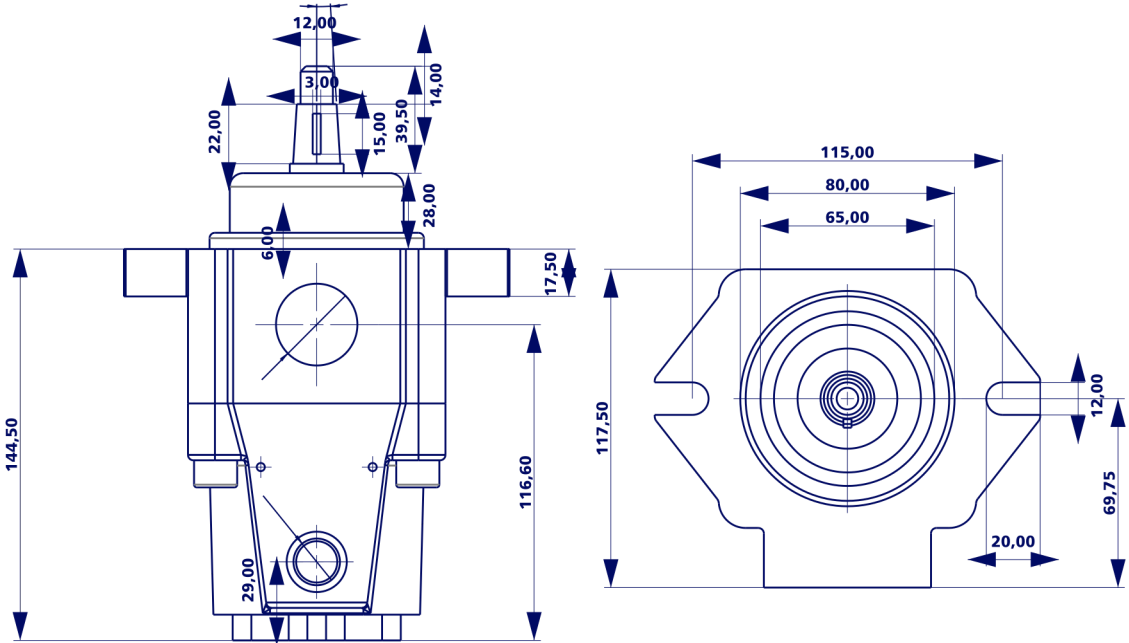
Designation;

02 Lt. 04 Lt. 06 Lt.
12 Lt. 15 Lt. 22 Lt.



A6HP High Pressure
Hydraulic Piston Pumps

		02	04	06	12	15	22
Displacement	Litre	1,56	2,70	4,40	7,80	10,50	14,73
Theoretical oil flow l/min at pump speed	1000 rpm	1,56	2,70	4,40	7,80	10,50	14,73
	1500 rpm	2,34	4,05	6,60	11,70	15,75	22,09
Maximum Pump Speed							
- Continuous	rpm	3000	3000	3000	2800	2800	2800
- Limited	rpm	3500	3500	3500	3000	3000	3000
Max. Continuous Pressure	bar	600	600	600	450	400	400
Max. Peak Pressure	bar	700	700	700	500	500	500
Weight							
- Without inlet fitting	kg	5,50	5,50	5,50	8,00	8,00	8,00
- With inlet fitting	kg	5,60	5,60	5,60	8,15	8,15	8,15
Fluid		Mineral Based Hydraulic Oils					
Inlet		G 1"	G 1"	G 1"	G1 1/4"	G1 1/4"	G1 1/4"
Outlet		G 3/8"	G 3/8"	G 3/8"	G 1/2"	G 1/2"	G 1/2"



Pump Code

A6HP

Displacement (Liter)

22

02 04 06 12 15 22

A6HP High Pressure Piston Pump, Fixed Displacement, 2 BOLT Mounting Flange

Formulas

Pump Output Flow	GPM	$GPM = (Speed (rpm) \times displacement (cu. in.)) / 231$	$GPM = (n \times d) / 231$
Pump Input Horsepower	HP	$HP = GPM \times Pressure (ps) / 1714 \times Efficiency$	$HP = (Q \times P) / 1714 \times E$
Pump Efficiency	E	Overall Efficiency = Output HP / Input HP	$E_{overall} = HP_{out} / HP_{in} \times 100$
		Overall Efficiency = Volumetric Eff. $\times$ Mechanical Eff.	$E_{overall} = Eff_{vol.} \times Eff_{mech.}$
Pump Volumetric Efficiency	E	Volumetric Efficiency = Actual Flow Rate Output (GPM) / Theoretical Flow Rate Output (GPM) $\times 100$	$Eff_{vol.} = Q_{act.} / Q_{theo.} \times 100$
Pump Mechanical Efficiency	E	Mechanical Efficiency = Theoretical Torque to Drive / Actual Torque to Drive $\times 100$	$Eff_{mech} = T_{theo.} / T_{act.} \times 100$
Pump Displacement	CIPR	$Displacement (in. 3/ rev.) = Flow Rate (GPM) \times 231 / Pump RPM$	$CIPR = GPM \times 231 / RPM$
Pump Torque	T	Torque = Horsepower $\times 63025 / RPM$	$T = 63025 \times HP / RPM$
		Torque = Pressure (PSIG) $\times$ Pump Displacement (CIPR) / 2π	$T = P \times CIPR / 6.28$

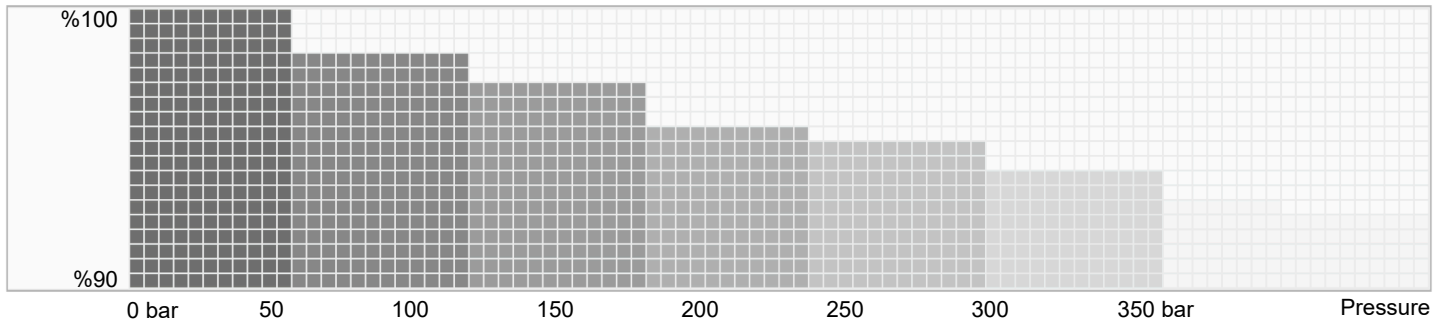
Horsepower for driving a pump : For every 1 hp of drive, the equivalent of 1 gpm @ 1500 psi can be produced.

Horsepower for idling a pump : To idle a pump when it's unloaded will require about 5% of its full rated power

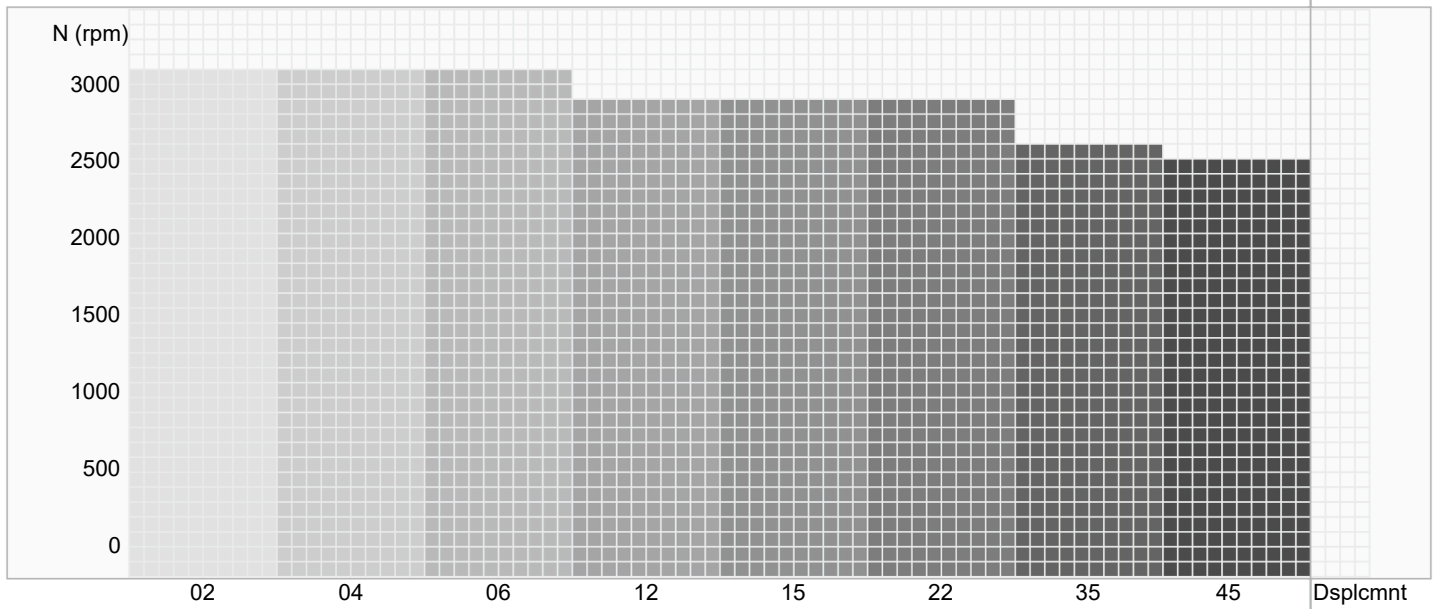
Wattage for heating hydraulic oil : Each watt will raise the temperature of 1 gallon of oil by 1° F. per hour.

Flow velocity in hydraulic lines : Pump suction lines 2 to 4 feet per second, pressure lines up to 500 psi - 10 to 15 ft./sec., pressure lines 500 to 3000 psi - 15 to 20 ft./sec.; all oil lines in a r-over-oil systems; 4 ft./sec.

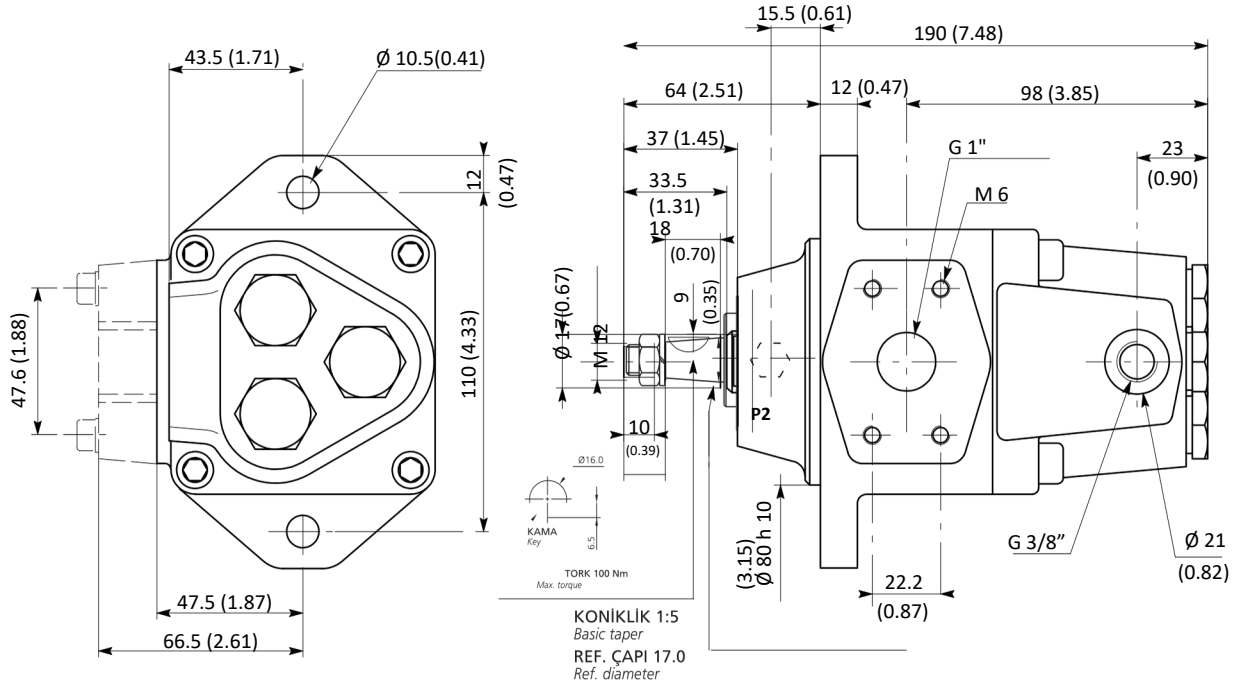
Efficiency Curves (1000 rpm)



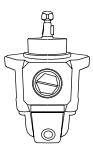
Flow



A6HP 02 L tre - Yüksek Basıncılı P stonlu Pompa



x 1000 rpm	1,56 Lt.
x 1500 rpm	2,34 Lt.
Max. Continuous Pump Speed	3000 rpm
Max. Limited Pump Speed	3500 rpm
Max. Continuous Pressure	600 bar
Max. Interim t. Peak Pressure	700 bar
Weight without inlet fitting	5,50 kg
Weight with inlet fitting	5,60 kg
Fluid	M n.B.Hyd.O l
Inlet	G 1"
Outlet	G 3/4"

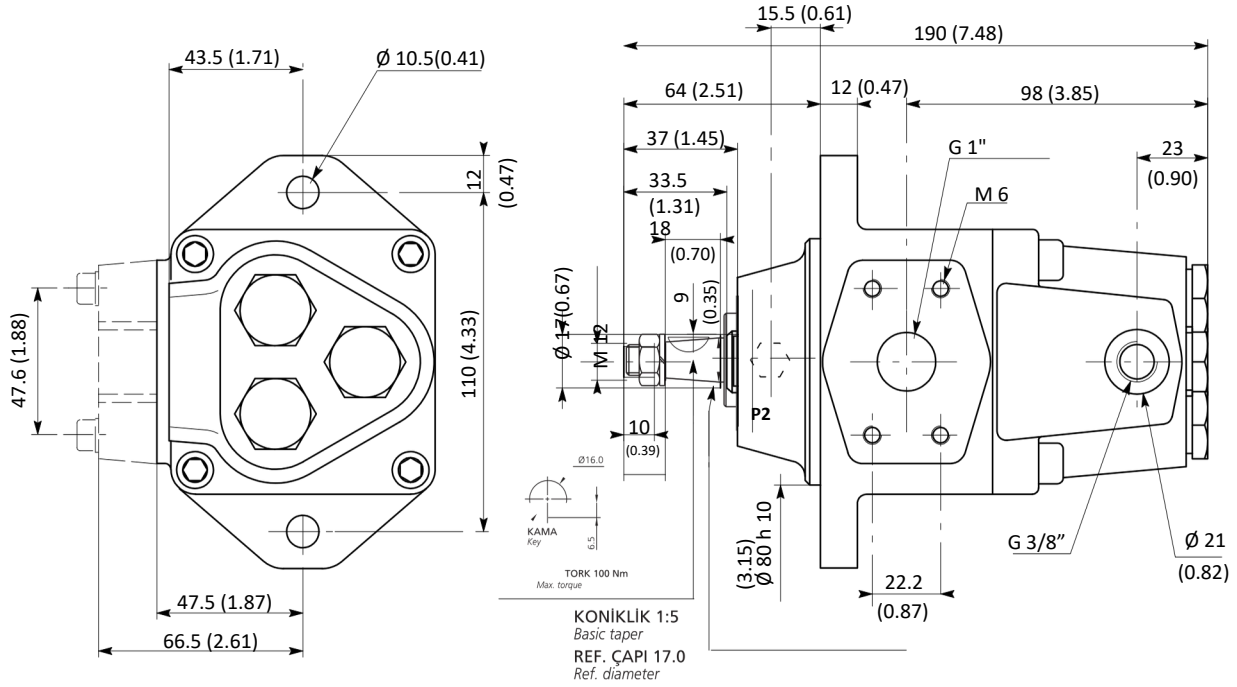


CW

Rotation :

Fixed-Clock Wise

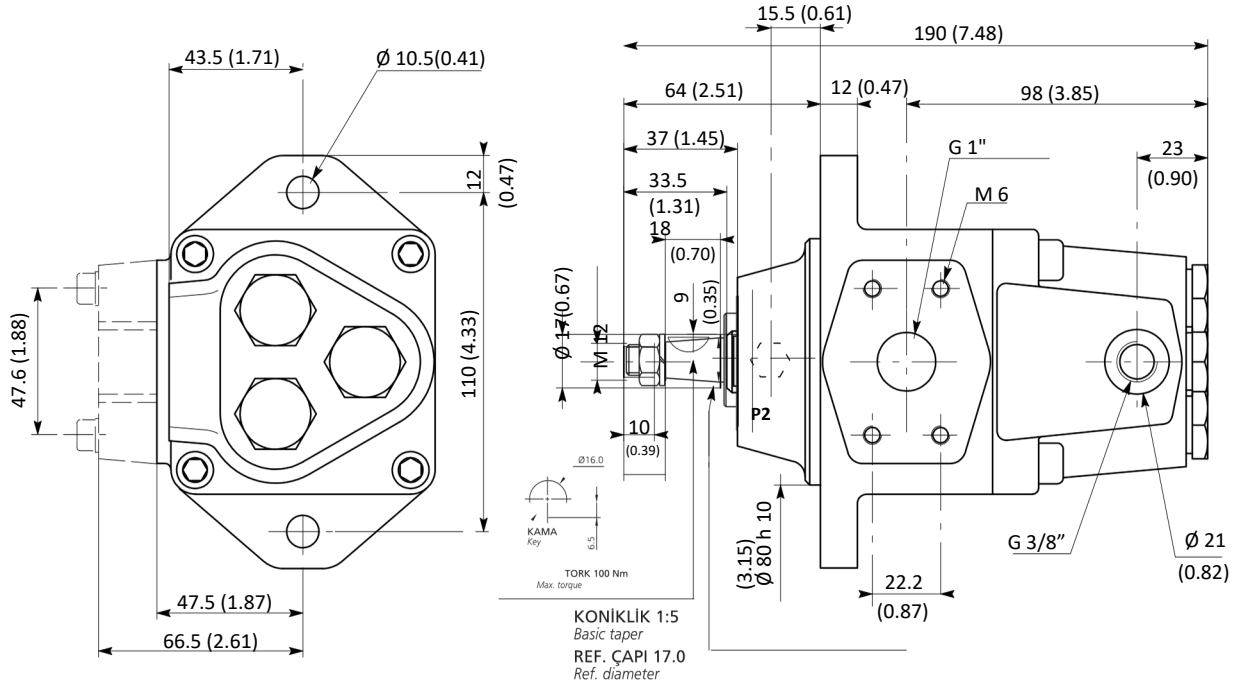
A6HP 04 L tre - Yüksek Basıncılı P stonlu Pompa



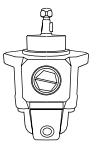
x 1000 rpm	2,70 Lt.
x 1500 rpm	4,05 Lt.
Max. Continuous Pump Speed	3000 rpm
Max. Limited Pump Speed	3500 rpm
Max. Continuous Pressure	600 bar
Max. Interim t. Peak Pressure	700 bar
Weight without inlet fitting	5,50 kg
Weight with inlet fitting	5,60 kg
Fluid	M n.B.Hyd.O l
Inlet	G 1"
Outlet	G 3/4"



A6HP 06 Lt. - Yüksek Basıncılı P stonlu Pompa



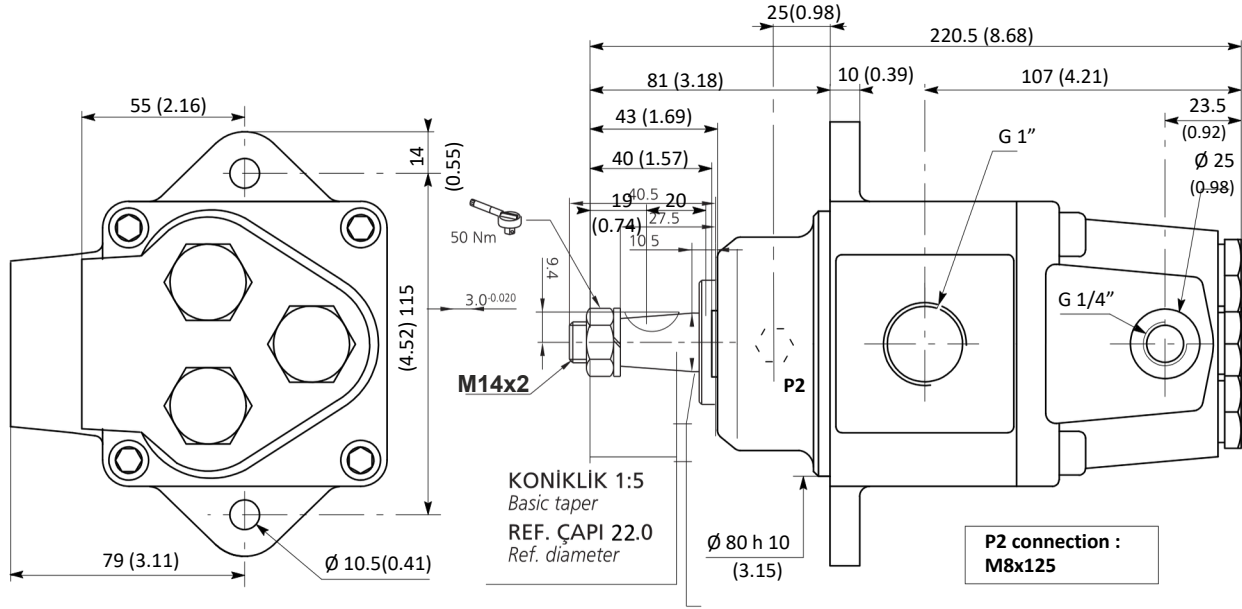
x 1000 rpm	4,40 Lt.
x 1500 rpm	6,60 Lt.
Max. Continuous Pump Speed	3000 rpm
Max. Limited Pump Speed	3500 rpm
Max. Continuous Pressure	600 bar
Max. Interim t. Peak Pressure	700 bar
Weight without inlet fitting	5,50 kg
Weight with inlet fitting	5,60 kg
Fluid	M n.B.Hyd.O l
Inlet	G 1"
Outlet	G 3/4"



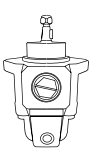
CW

Rotation :
Fixed-Clock Wise

A6HP 12 Lt. - Yüksek Basıncılı P stonlu Pompa



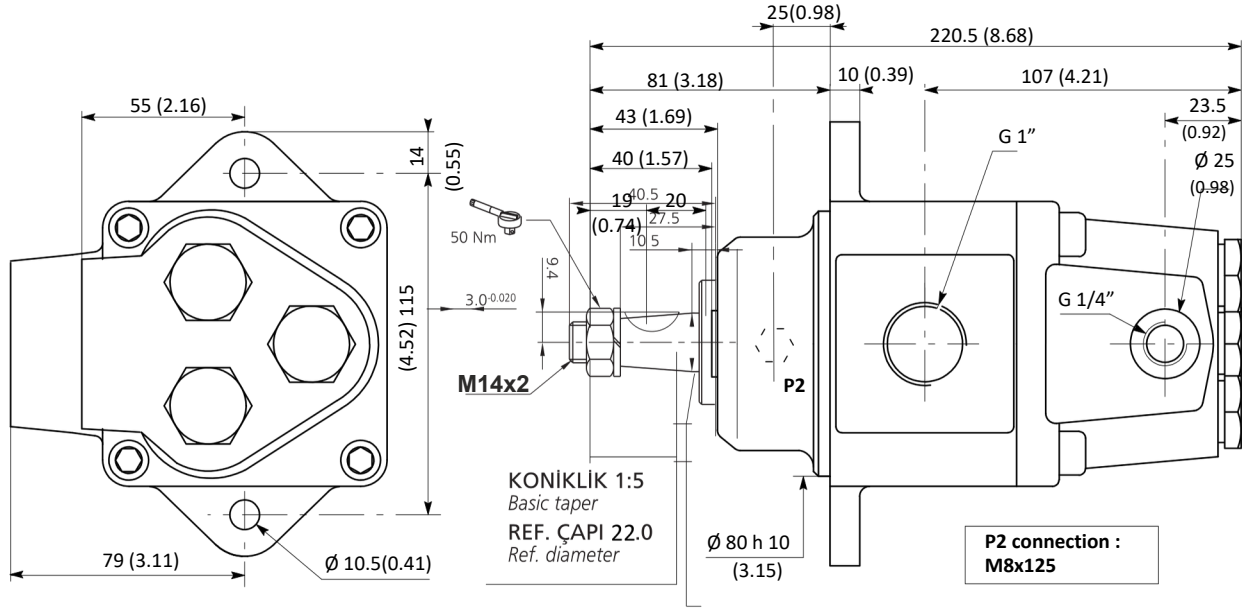
x 1000 rpm	7,80 Lt.
x 1500 rpm	11,70 Lt.
Max. Continuous Pump Speed	2800 rpm
Max. Limited Pump Speed	3000 rpm
Max. Continuous Pressure	450 bar
Max. Interm. t. Peak Pressure	500 bar
Weight without inlet fitting	8,00 kg
Weight with inlet fitting	8,15 kg
Fluid	Min. B. Hyd. Oil
Inlet	G1 1/4"
Outlet	G 1/2"



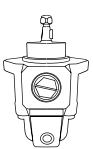
CW

Rotation :
Fixed-Clock Wise

A6HP 15 Lt. - Yüksek Basıncılı P stonlu Pompa



x 1000 rpm	10,50 Lt.
x 1500 rpm	15,75 Lt.
Max. Continuous Pump Speed	2800 rpm
Max. Limited Pump Speed	3000 rpm
Max. Continuous Pressure	400 bar
Max. Interm. t. Peak Pressure	450 bar
Weight without inlet fitting	8,00 kg
Weight with inlet fitting	8,15 kg
Fluid	Min. B. Hyd. Oil
Inlet	G1 1/4"
Outlet	G 1/2"

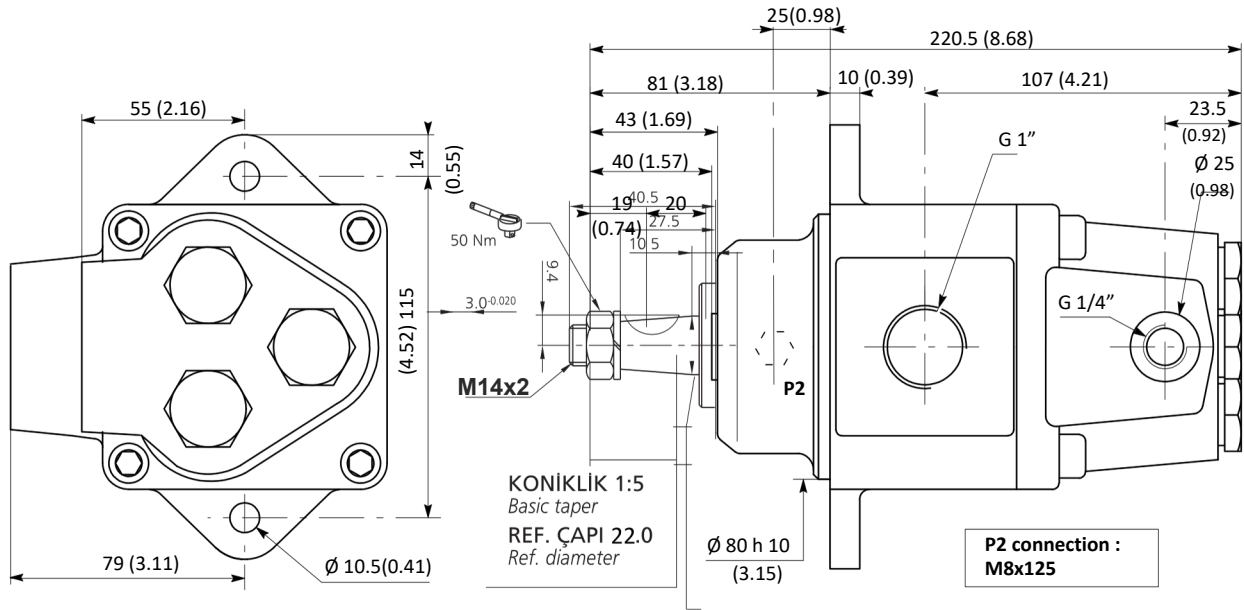


CW

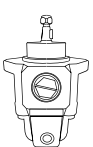
Rotation :

Fixed-Clock Wise

A6HP 22 Lt. - Yüksek Basıncılı P stonlu Pompa



x 1000 rpm	14,73 Lt.
x 1500 rpm	22,09 Lt.
Max. Cont nuous Pump Speed	2800 rpm
Max. L m ted Pump Speed	3000 rpm
Max. Cont nuous Pressure	400 bar
Max. Interm t. Peak Pressure	500 bar
We ght w thout nlet fitt ng	8,00 kg
We ght w th nlet fitt ng	8,15 kg
Flu d	M n.B.Hyd.O I
Inlet	G1 1/4"
Outlet	G 1/2"



CW

Rotation:
Fixed-Clock Wise

High Pressure Piston Pumps designed for Industrial Area.

INSTALLATION

- Remove the protective covers off the inlet and output ports when connecting tubes or hoses.
- Rise the tank and the tubes or hoses well to remove any possible contaminants.
- Before connecting up the pump inlet port, fill the tank and allow the oil to flow into a receptacle. This oil can be re-used after proper filtration.

OIL SUPPLY

Oil and supply line should be clean, and the supply line is a right.

SUCTION LINE

Connect the suction line, tighten the suction connection bolts in diameter caps.
Connect the pressure line.

REPAIR

We offer a comprehensive range of services for the repair of our Piston Pumps.
Repairs to the High Pressure Pump may only be performed by authorized, skilled and instructed personnel.
Only use original and pre-installed our spare parts from supplied to Manufacturer..

Tested and pre-installed pumps successful repair requiring only little time.

SPARE PARTS

The spare parts list and the pump order specification.
When ordering spare parts, quote the material and complete Order code number of the Piston Pump as well as the right numbers of the spare parts.

RISK OF DAMAGE!

Do not touch the drive shaft of the Piston Pump
Do not touch sensor, valves and fittings
Do not touch sealing surfaces.

DIMENSIONS & WEIGHTS

		02	04	06	12	15	22
-Without inlet fitting	kg	5,50	5,50	5,50	8,00	8,00	8,00
-With inlet fitting	kg	5,60	5,60	5,60	8,15	8,15	8,15

Address all questions regarding spare parts to your responsible Our Service Partner or the technical service department of the manufacturer's plant / factory for the Piston Pumps.

**AVAILABLE VIA E-MAIL ON REQUEST OR EACH PUMP IS
SUPPLIED VIA STARTING AND INSTALLATION DATASHEETS**