

DESCRIPTION

■ AP-HL is a HI/LO cast iron Hydraulic Gear Pump with with max pressure of 900 psi for the low pressure pump and 3000 psi for the high pressure pump. The change from LO to HI pressure is automatic with the LO side pressure pre set from 400 psi to 900 psi. The HI/LO section of the pump and the end plates are cast iron. Applications for the HI/LO pump are log splitters, presses etc. where rapid movement of the cylinder at low pressure is required prior to automatically switching to the high pressure mode to meet load requirements.



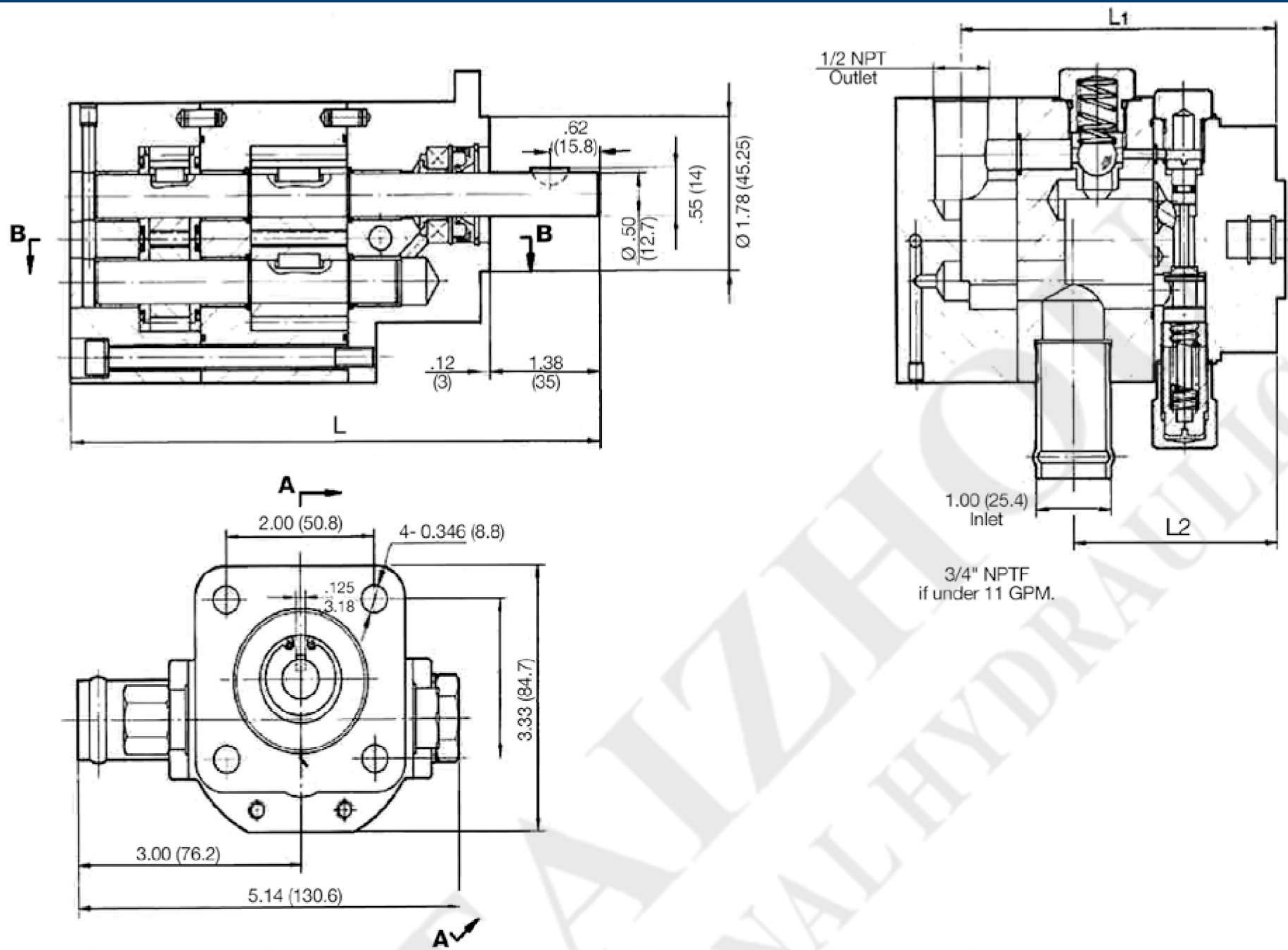
TECHNICAL DATA

- Filtration: 25 micron or better
- Oil Viscosity: 6 to 200 cSt
- Inlet Pressure: 12 to 32 psi absolute
- Temperature: Oil: -25°C to 80°C / -12°F to 175°F
Ambient: -22°C to 55°C / -8°F to 130°F
- Port Sizes: Inlet: 3/4" NPTF (8-10 GPM)
1" pipe (11-16 GPM)
Outlet: 1/2" NPT
Different port options available upon request
- Shaft: 1/2 straight shaft with #404 woodruff key (8-10GPM)
or 1/8" x 1" square key (11-16 GPM)

Model	Flow GPM	Pressure PSI		Displacement cu.in/rev		Speed RPM
	3600r/min	LO	HI	LO	HI	Max.
AP-HL-8.0	8	400/900	3000	0.385	0.13	3600
AP-HL-11	11	400/900	3000	0.537	0.220	3600
AP-HL-13	13	400/900	3000	0.665	0.220	3600
AP-HL-16	16	400/900	3000	0.793	0.265	3600

■ More displacements available upon request.

INSTALLATION DATA



Model	L		L1		L2	
	mm	inch	mm	inch	mm	inch
HL-8	154	6.07	9.5	3.74	6	2.41
HL-11	168	6.61	11	4.24	7	2.74

Model	L		L1		L2	
	mm	inch	mm	inch	mm	inch
HL-13	175	6.90	12	4.53	8	3.04
HL-16	180	7.09	12	4.53	8	3.04

ORDERING INFORMATION

■ See next page for 22 and 28 GPM.

AP

Gear Pump

HL

HI/LO Series

11

Nominal Flow
GPM at 3600 rpm

See Table

P

Drive Shaft

P1/2" Dia. Straight
(#404 woodruff key
8-10 GPM)
(1/8" straight key
11-16 GPM)

R

Rotation
Direction

R
Clockwise

L
Counter
Clockwise
*Special
Order