



Features and Benefits

- Consistent flow rate across variable pressures
- Magnetically coupled drive for leak free design
- Patented twin cavity and cam ring technology
- Eight vanes for low vibration and pulsation
- Flow range from 15 to 70 GPH (45 to 210 LPH)*
- Horsepower required 0.06 to 0.17 hp (45 to 125 watts)
- Self priming (water) and maintenance free with low vibration and pulsation characteristics
- Stainless steel housing works with acidity > 2 pH¹

*GPH rating at 1600 RPM/60 Hz and LPH rating at 1300 RPM/50 Hz

General Applications

- Nitro Coffee
- Espresso/Coffee
- Carbonation
- Reverse Osmosis
- Beer Chillers
- Cold Carb Circulation
- Welding
- Pesticide Systems
- Solar Applications
- Cooling Systems

Technical Information

Pump housing and motor shaft	304 Stainless Steel	Motor Type	PSC (Open)
Sealless (optional)	PPS encapsulated ceramic magnet paired with neodymium or ceramic outer magnet	Frequency/Voltage	60/50 Hz, 115/230 V
Elastomers	Nitrile, Ethylene Propylene (EPDM), Fluorocarbon, or Neoprene	Max Output Power	125 W
Valves	Stainless steel, Brass, or Plastic (high temp ultem, low temp acetal)	Max. Input Current	4 A
Vane Material	Carbon or PEEK	Protection	Thermally Protected
Ports	NPT 3/8"	Insulation Class	F
Unit Weight	10.1 lbs. (4.6 kg)		

Operating Range

Max Static Pressure	100 PSI (7 bar)	Max Discharge Pressure	130 PSI (9 bar)
Fluid Temperature	-4° to 194°F (-20° to 90°C)	Speed	1300/1600 RPM
Max. Fluid Viscosity ^[2]	100 cP	Wet Lift with Water	6 ft (2 M)
Max. Sound Level	55 dBA		

Ax-Mag Drive Nominal Volume*

Flow rate (GPH/LPH)	Gallons Per Hour/Liters Per Hour					Brake Horsepower/Watts (motor shaft power)				
	Pressure (PSI/Bar)					Pressure (PSI/Bar)				
	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5	50/3.4	100/6.9	150/10.3	200/13.8	250/17.5
70/210	77/243	68/214	62/195	-	-	0.08/60	0.11/83	0.15/112	-	-
60/180	69/217	63/198	58/183	-	-	0.08/58	0.11/81	0.14/108	-	-
50/150	62/195	57/180	53/167	48/151	-	0.08/56	0.10/76	0.13/98	0.17/129	-
35/100	48/151	44/139	41/129	37/117	-	0.08/57	0.10/75	0.13/96	0.17/125	-
25/75	30/95	26/82	24/21	23/72	21/66	0.07/52	0.09/64	0.11/82	0.14/104	0.17/125
20/60	27/85	23/72	21/66	20/63	19/60	0.07/51	0.08/62	0.11/79	0.13/100	0.16/121
15/45	16/50	13/41	12/38	11/35	11/35	0.07/50	0.08/61	0.10/76	0.12/91	0.14/104



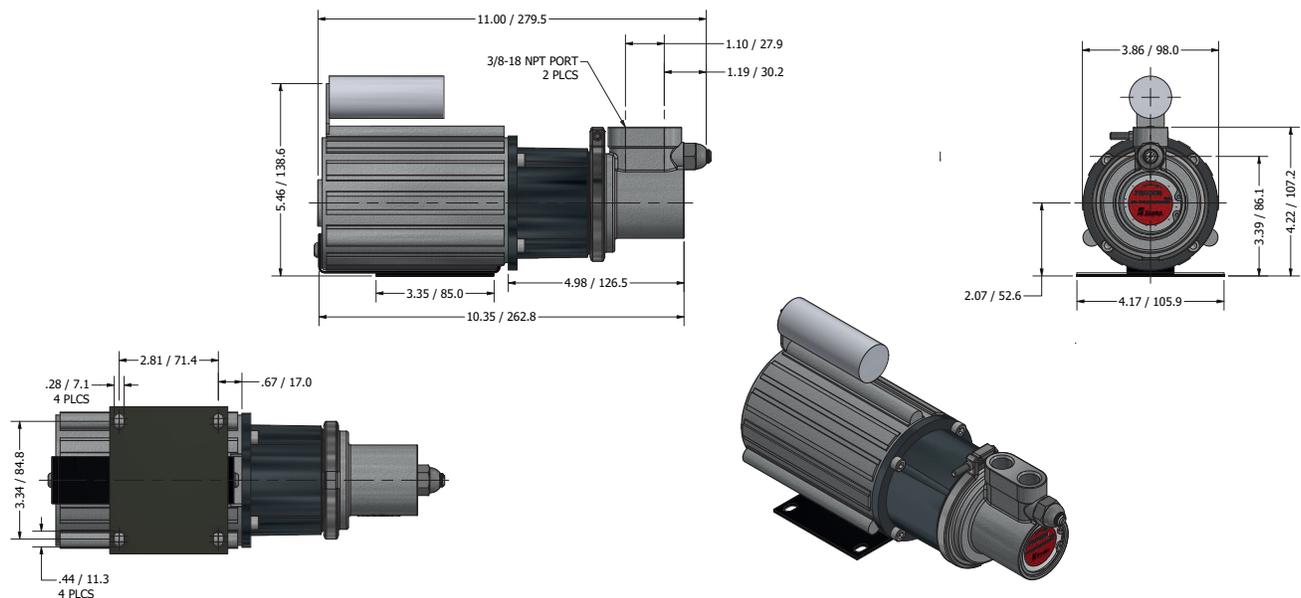
RoHS



NOTES:

- [1] Consult with manufacturer for extreme operating conditions
- [2] Flow may vary with viscosity
- [3] Performance based on pump tested with water at room temperature & at full speed

DIMENSION AND CONNECTION DETAILS



NOTE: Dimensions are in inches/millimeters

Arbel Agencies LTD.

11 Ba'alei Hamelacha st. Qiryat Bialik P.O.B 1095, ZIP 2751311, ISRAEL

+972(0)48736969 ☎ +972(0)48730708 📧 info@arbel-ltd.com 📧 www.arbel-ltd.com 🌐

