

## ALPHA2 TECHNICAL GUIDE

Item	ALPHA2 15-55	ALPHA 26-99
Flow	0 to 21.5 gpm (4 to 4.9m <sup>3</sup> /hr)	0 to 26 gpm (0 to 5.9m <sup>3</sup> /hr)
Head	0 to 19' (0 to 5.8m)	0 to 42' (0 to 12.8m)
Supply Voltage	115V, 60Hz	
Motor	4-pole synchronous permanent magnet motor. The pump requires no external motor Protection.	
Power Usage	5 - 45 W	3 - 120 W
Amps	Maximum 0.65A	Max. 1.7 A
Horsepower	0.06 HP	0.16 HP
Capacitor	-	uF
Enclosure Class	Indoor use only, IP42. CSA enclosure Type 2	Type 2. Indoor use only X2D
Liquid Temp	36°F to 230°F (2°C to 110°C)*	Max. (continuously): 203°F (95°C), Min.: 14°F (-10°C)*
Relative Humidity	Max. 95%	
Ambient Temperature	32°F to 104°F (0° to 40°C)	Max 130°F (55°C) near the pump surface
Storage Temperature	Maximum 158°F (70°C)	
Insulation Class	F	
Max. System Pressure	Maximum 150 psi (10 bar)	
Max. Outlet Pressure	Maximum 150 psi (10 bar)	
Approvals	ETL, NSF/ANSI 61, NSF/ANSI 372, FCC Canadian ICES-003 Complies to limits for Class B digital device, pursuant to Part 15	cULus Listed, cULus Classified, Water Quality Drinking water system component; NSF/ANSI 61/MH26400/NSF/ANSI372
Flange to Flange Length	6.5" (165mm)	
Pump Housing	Cast Iron or Stainless Steel	
Connection Type	Flanged	
Systems	Closed (F, FR) and Open (SF)	
Glycol	Max. glycol concentrations with clean water: 50% glycol @ 36°F (2°C). \Hydraulic performance change can be expected	
Check Valve	Use of a check valve may reduce pump hydraulic performance up to +/- 10%. Use a check valve in parallel pumping applications.	

\*See operating temperature tables. In domestic hot water systems, keep the liquid below 149° (65°C) to eliminate the risk of lime precipitation. To avoid condensation in the control box and stator, the liquid temperature must always be higher than the ambient temperature.

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