








Pumps (Bare)

							
Item Code	PMP-600	PMP-420	PMP-500	PMP-300	PMP-450	PMP-450S	PMP-400
Weight	1.20 lb (0.54 kg)	0.60 lb (0.27 kg)	1.20 lb (0.54 kg)	0.80 lb (0.36 kg)	1.20 lb (0.54 kg)	1.20 lb (0.54 kg)	0.50 lb (0.23 kg)
Max Pressure @25°C	1.5kgf/cm ² (21.3psi)	1.5kgf/cm ² (21.3psi)	1.5kgf/cm ² (21.3psi)	1.5kgf/cm ² (21.3psi)	3.5kgf/cm ² (50 psi)	3.5kgf/cm ² (50 psi)	1.5kgf/cm ² (22 psi)
Max Temperature	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)	60°C (140°F)
Max Flow Rate	20L/min (5.3 gal/min)	11L/min (2.9GPM)	16L/min (4.2GPM)	7L/min (1.85GPM)	15L/min (4.0GPM) @ 12V, 17.5L/min (4.6GPM) @ 24V	12L/min (3.2GPM) @ 12V, 20L/min (5.3GPM) @ 24V	7.5L/min (1.9GPM)
Max Power	52W	17W	32W	9.6W	25W @ 12V, 35W @ 24V	26W @ 12V, 55W @ 24V	20W
Max Static Head	11m (36ft)	5.8m (19ft)	7.5m (24.6ft)	2.6m (8.53ft)	3.9m (12.8ft) @ 12-24V	3.2m (10.5ft) @ 12V, 6m (19.7ft) @ 24V	5.5m (18ft)
Native Hose Connection	G 1/4 BSP Threads	G 1/4 BSP Threads	G 1/4 BSP Threads	G 1/4 BSP Threads	Barbs for ID 13mm (1/2in)	Barbs for ID 13mm (1/2in)	Barbs for ID 10mm (3/8in)
Speed Knob	yes	yes	yes	yes	yes		
Tachometer	yes	yes	yes	yes	yes	yes	yes
Expected Lifetime							50,000 hrs. MTBF
Type	Magnetic Centrifugal	Magnetic Centrifugal	Magnetic Centrifugal	Magnetic Centrifugal	Magnetic Centrifugal	Magnetic Centrifugal	Magnetic Centrifugal
Materials					PPO, Carbon/Allumina Ceramic, EPDM or Viton, 316 SS	PPO, Carbon/Allumina Ceramic, EPDM or Viton, 316 SS	PPO, Carbon/Allumina Ceramic, EPDM or Viton, 316 SS or Plastic
Voltage	8-24 VDC	6-12 VDC	6-12 VDC	6-12 VDC	8-24 VDC	8-24 VDC	8-13.2 VDC

With Reservoir (Reservoir and Pump)

				
Item Code		RPM-ALX400	RP-1250	RP-985
Weight		4.60 lb (2.09 kg)	3.00 lb (1.36 kg)	2.20 lb (1.00 kg)
Max Pressure @25°C		2kgf/cm2 (28.5psi)	1kgf/cm2 (14.2psi)	1kgf/cm2 (14.2psi)
Max Temperature		60°C (140°F)	60°C (140°F)	60°C (140°F)
Thread		G 1/4 BSPP	G 1/4 BSPP	G 1/4 BSPP
Fits			Single 5.25" CD bay	Single 5.25" CD bay
Reservoirs	Capacity	400ml (13.5 fl oz)	237mL (8 fl oz)	237mL (8 fl oz)
	Display Type	OLED	OLED	LED
	Pump	PMP-400 @ 12V	PMP-400 @ 12V	PMP-300 @ 12V
	Temperature Sensors	Liquid & Two K-Type Thermocouples (optional)	10K Thermistors	10K Thermistors
Pumps	Max Flow Rate	8.2LPM (2.2GPM)		
	Voltage	12 VDC		