



KoolAir PM500

Marine Coolant Pump

**Fully
Submersible**



Pump Features:

- Pumps 500 gallons/hr
- Run Dry and Thermal Overload Protection
- In a Run Dry scenario, the pump will shut down. Simply let it cool down or hose it down to assist
- 115V & 230V
- One Phase, all cords are six feet in length and are U.L. LISTED 18/3 wire
- The pump is not self-priming and requires a flooded suction

Run Dry Protection to Keep You Cool

The PM500 is a magnetically driven pump with no shaft seal. The pump is epoxy encapsulated, which allows the PM pump to run fully submerged in many liquids or in open air for complete moisture protection. When re-assembling the pump for service, make sure all "O" rings are properly seated. See the repair parts list for a breakdown of replacement parts.

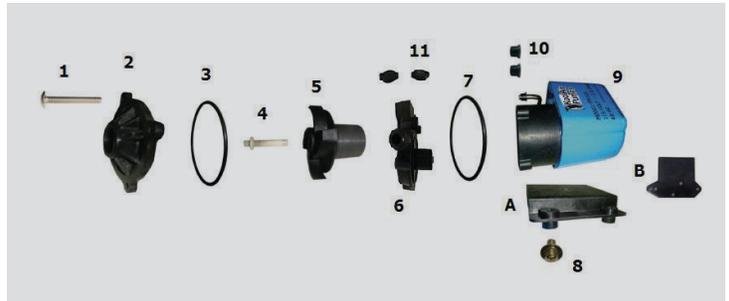
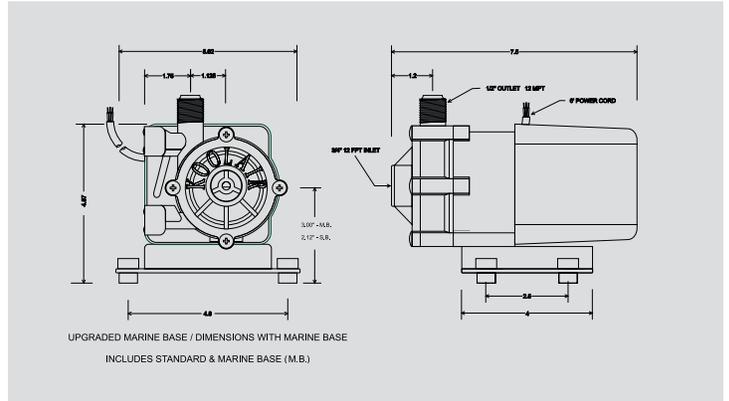
Webasto is the North American exclusive distributor of KoolAir Pumps to the marine industry.

Technical Specifications

		PM500	
Webasto Part #	115	5011370A	
	230	5011371A	
Maximum Flow	50Hz	lpm	31
	60Hz	gpm	8.5
Maximum Flow	50Hz	m	4.3
	60Hz	ft (psi)	19 (8.2)
Inlet	3.4" FPT		
Outlet	1/2" MPT		
Maximum Internal Pressure	psi	25	
	bar	1.7	
Maximum Liquid Temp.	°F	130	
	°C	54	
Packed Weight	kg / lbs	3.85 / 8.5	
Motor Type	TE / SUB 115V 60Hz 230V 50/60Hz		
Phase	1		
50Hz	Volts	115 / 230	
	Watts	100	
	Amps	1.0	
	Kw	0.037	
	Rpm	2850	
60Hz	Volts	115 / 230	
	Watts	120 / 120	
	Amps	2.0 / 1.0	
	Hp	1/20	
	Rpm	3450	
Electrical Connection	Cord		
Overall Pump Dim. (LxWxH)	7.50 x 4.80 x 4.87in 19 x 12.2 x 12.3cm		

Parts List

Item	Description	Material	Dimensions (LxW)
1	Screw	Stainless Steel	37 x 5mm
2	Front Cover	Reinforced PP	24.3mm
3	O-Ring	Silicon	68.4 x 2.6mm
4	Wash & Shaft	Ceramic	
5	Impeller	Polysulfone FDA Plastic	59mm
6	Rear Housing	Stainless Steel	10.15 x 10.15mm
7	O-Ring	Rubber	72 x 2.5mm
8	Screw	Stainless Steel	12 x 5mm
9	Driver Magnet & Epoxy Motor	Ferrite Ceramic	
10	Freeze Plug	Reinforced PP	5.93mm
A	Base	Reinforced PP	123.12 x 65mm
B	Optional Base	Reinforced PP	81.28 x 107.95mm
11	Grommet	Rubber	6 x 10.5mm



*All specifications and flow curves are based on pumping water

Warranty:

KoolAir Pumps are guaranteed only against defects in workmanship or materials for a period of two years from date of manufacture while pumping water.

Manufacturer's Edge
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KoolAir PM1000

Marine Coolant Pump



Pump Features:

- Pumps 1,000 gallons/hr
- Run Dry and Thermal Overload Protection
- 115V & 230V
- One Phase, all cords are 56" in length and are U.L. LISTED 18/3 wire
- Motors are rated as; continuous duty
- The pump is not self-priming and requires a flooded suction

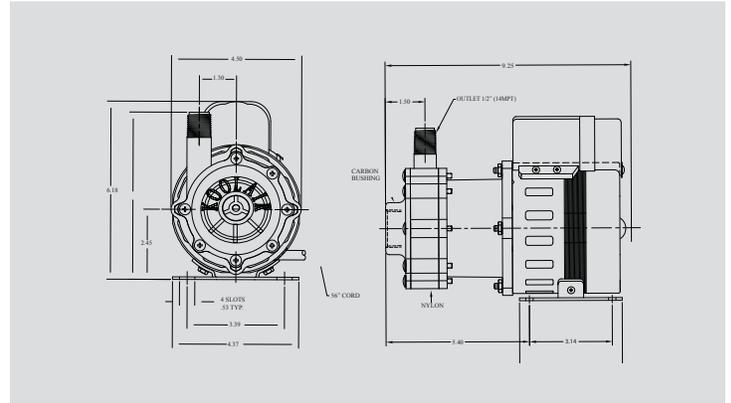
Run Dry Protection to Keep You Cool

The PM1000 is a magnetically driven pump with no shaft seal and the motor is Open Drop Proof (ODP). The hardened Carbon bushing allows for extended run dry time without any damage to the pump head. See the parts diagram for assembly instructions. Impeller may be trimmed to modify flows or compensate for liquids of higher viscosity. For application assistance, please contact KoolAir Pumps at 800-810-1053.

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Technical Specifications

		PM1000	
Webasto Part #	115V	5011372A	
	230V	5011373A	
Maximum Flow	50Hz	lpm	54.8
	60Hz	gpm	17.2
Maximum Flow	50Hz	m	6
	60Hz	ft (psi)	27 (11.7)
Inlet	1" FPT		
Outlet	1/2" MPT		
Maximum Internal Pressure	psi	50	
	bar	3.4	
Maximum Liquid Temp.	°F	130	
	°C	54	
Packed Weight	kg / lbs	8.02 / 17.70	
Motor Type	O.D.P. 115V 60Hz 230V 50/60Hz		
Phase	1		
50Hz	Volts	115 / 230	
	Watts	147	
	Amps	1.2	
	Kw	0.093	
	Rpm	2850	
60Hz	Volts	115 / 230	
	Watts	216 / 207	
	Amps	1.6 / 0.9	
	Kw	1/8	
	Rpm	3450	
Electrical Connection	56" Cord		
Overall Pump Dim. (LxWxH)	9.25 x 4.37 x 6.18in 23.5 x 11.10 x 15.70cm		



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Parts List

Item	Description	Material	Dimensions (LxW)
1	Screw	Stainless Steel	4 x 45mm
2	Front Cover	Reinforced PA6	O.D. - 102.8mm I.D. - 30mm
3	O-Ring	Rubber	77 x 1.8mm
4	Wash & Shaft	Ceramic	63.7 x 6.33mm
5	Impeller	Inside - Carbon Bush Outside - Reinforced PA6	Diameter - 40 x 61.5mm
6	Rear Housing	Reinforced PA66	102.3 x 61.5mm
7	Driver Magnet	Magnet, Reinforced PA66	
8	Bracket	Reinforced PA66	
9	Motor		

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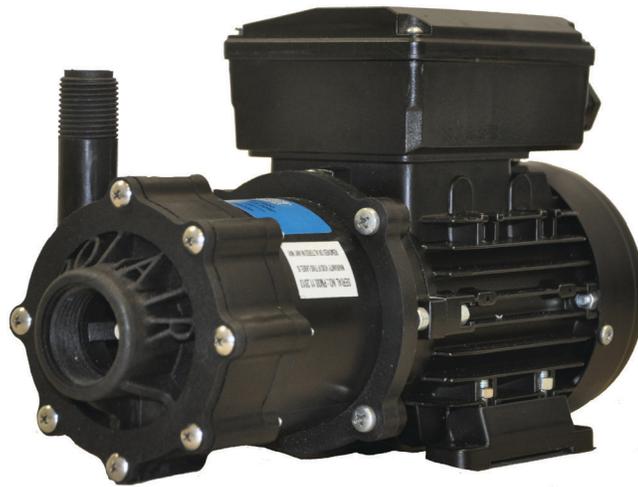
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KoolAir TPM1000

Marine Coolant Pump



Pump Features:

- Pumps 1,000 gallons/hr
- Run Dry and Thermal Overload Protection
- 115V & 230V (Dual Voltage Motor)
- One Phase, all cords are 56" in length and are U.L. LISTED 18/3 wire
- Motors are rated as; continuous duty
- The pump is not self-priming and requires a flooded suction

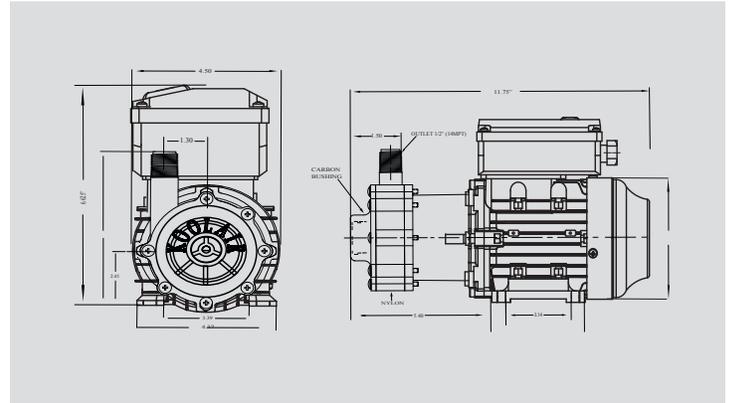
Run Dry Protection to Keep You Cool

The TPM1000 is a magnetically driven pump with no shaft seal and the motor is Totally Enclosed, Fan Cooled (TEFC). The hardened Carbon bushing allows for extended run dry time without any damage to the pump head. See the parts diagram for assembly instructions. Impeller may be trimmed to modify flows or compensate for liquids of higher viscosity. For application assistance, please contact KoolAir Pumps at 800-810-1053.

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Technical Specifications

		TPM1000	
Webasto Part #	5011374A		
Maximum Flow	50Hz	lpm	54.8
	60Hz	gpm	17.2
Maximum Flow	50Hz	m	6
	60Hz	ft (psi)	27 (11.7)
Inlet	1" FPT		
Outlet	1/2" MPT		
Maximum Internal Pressure	psi	50	
	bar	3.4	
Maximum Liquid Temp.	°F	130	
	°C	54	
Packed Weight	kg / lbs	8.02 / 17.70	
Motor Type	TEFC		
	115V / 230V		
	50/60Hz		
Phase	1		
50Hz	Volts	115 / 230	
	Watts	147	
	Amps	1.2	
	Kw	0.093	
	Rpm	2850	
60Hz	Volts	115 / 230	
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