



KOOLAIR PUMPS
MANUFACTURER'S EDGE
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"RUN DRY PROTECTION TO KEEP YOU COOL"

MARINE COOLANT PUMPS

DESCRIPTION:

The TPM1000 is a magnetically driven pump with a Totally Enclosed Fan Cooled (TEFC) Motor that contains no shaft seal. 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.

OPERATION:

The pump is not self-priming and requires flooded **suction**. The pump **has run dry and thermal overload protection**.

For application assistance contact Koolair Pump at: info@koolairpump.com

ELECTRICAL:

TPM1000 is 115/230 Volt. (Dual Voltage Motor) 1 Phase. All cords are 56" in length and are U.L. LISTED 18/3 wire. The motors are rated as continuous duty.

ISO 8846 MARINE IGNITION PROTECTED

LIMITED WARRANTY:

Koolair Pumps are guaranteed only against defects in workmanship or materials for a period of one year from date of manufacture while pumping water.

NOTES:

All Specifications and flow curves are based on pumping water.



TPM1000



MECHANICAL SPECIFICATIONS

| MODULE TYPE | | 60Hz | 50Hz |
|------------------------|----------|-----------|--------|
| Max Flow | GPM | 17.2 | N/A |
| | LPM | N/A | 54.8 |
| Max Head | FT (PSI) | 27 (11.7) | N/A |
| | M | N/A | 6 |
| Max Internal Pressure | PSI | 50 | 50 |
| | BAR | 3.4 | 3.4 |
| Max Liquid Temperature | °F | 180 | 180 |
| | °C | 82 | 82 |
| Packed Weight | LB | 12 | 12 |
| | KG | 5.4 | 5.4 |
| Inlet | | 1" FPT | 1" FPT |
| Outlet | | ½" MPT | ½" MPT |

ELECTRICAL SPECIFICATIONS

| MODULE TYPE | 60Hz | | 50Hz | |
|-------------|------|------|------|-------|
| Voltage | 115 | 230 | 115 | 230 |
| Phase | 1 | 1 | 1 | 1 |
| Watts | 216 | 207 | | 147 |
| Amps | 1.6 | 0.9 | | 1.2 |
| HP/kW | 1/8 | 1/8 | | 0.093 |
| RPM | 3450 | 3450 | | 2850 |

| PUMP DIMENSIONS | INCHES | CENTIMETERS |
|-----------------|--------|-------------|
| Height | 6.625 | 16.83 |
| Width | 4.5 | 11.43 |
| Length | 11.75 | 29.85 |

PARTS LIST



| ITEM | PART | | DESCRIPTION | MATERIAL | LENGTH | | WIDTH | |
|------|------------|--|----------------|--|--------|-------|-------|------|
| | NUMBER | | | | CM | MM | CM | MM |
| 1 | KAT1000-21 | | Screw | Stainless Steel | 0.4 | 4 | 4.5 | 45 |
| 2 | KAT1000-22 | | Front Cover | Reinforced PP | 10.2 | 102 | 8 | 80 |
| 3 | KAT1000-23 | | O-Ring | Rubber | 7.7 | 77 | 0.18 | 1.8 |
| 4 | KAT1000-24 | | Washer & Shaft | Ceramic | 6.37 | 63.7 | 0.633 | 6.33 |
| 5 | KAT1000-25 | | Impeller | Interior-Carbon Bush Exterior-Reinforced PP | 7.5 | 75 | 4.8 | 48 |
| 6 | KAT1000-26 | | Rear Housing | Reinforced PP | 10.23 | 102.3 | 6.15 | 61.5 |
| 7 | KAT1000-27 | | Driver Magnet | Magnet, Reinforced PP | | | | |
| 8 | KAT1000-28 | | Bracket | Reinforced PP | | | | |
| 9 | KAT1000-29 | | Motor | | | | | |

PUMP DRAWING

