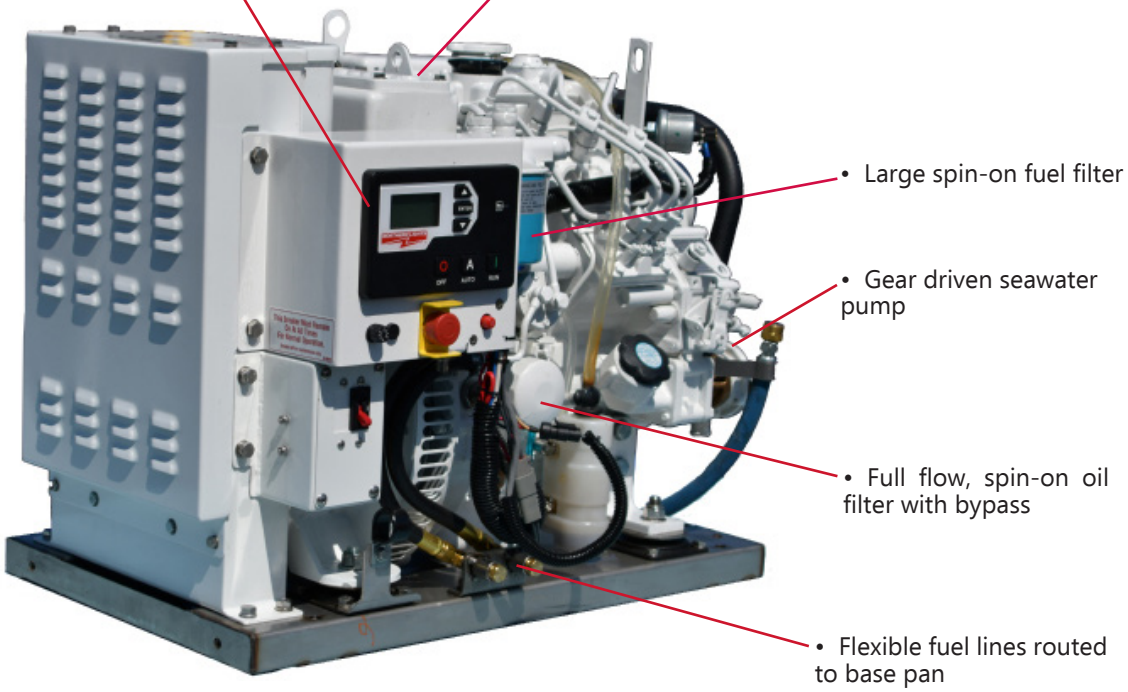
M673IP
5 kW, 60 Hz
6 kW, 50 Hz



SPECIFICATIONS AND DIMENSIONS

AC Output

5 KW	60 Hz, 1 Ph, 1.0 PF 120 V/ 42 A
6 KW	50 Hz, 1 Ph, 1.0 PF 230 V/ 26 A
Voltage regulation	±5%

Weight and Height

Approximate dry weight	350 lbs (160 kg)
Length	27.6 in (701 mm)
Width	18.2 in (461 mm)
Height	20.6 in (523 mm)

Installation Data

Wet exhaust elbow	1.5 in (38 mm) OD
Raw water inlet	3/4 in (19 mm) OD
Fuel inlet and return	1/4 NPT

Engine Data

Type	Vertical inline 3 cylinder diesel
Displacement	46.4 in³ (0.761 ltr)
Bore/Stroke	2.64/2.83 in (67/72 mm)
HP @ RPM	10.1/1800

Approximate fuel use [1]:

6 kW @ full load	0.59 gph (2.2 lph)
6 kW @ half load	0.32 gph (1.2 lph)
5 kW @ full load	0.50 gph (1.9 lph)
5 kW @ half load	0.28 gph (1.1 lph)

1. Actual fuel consumption will vary depending on operating conditions.

Information and dimensions are subject to change without notice.

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FEATURES AND BENEFITS

Engine Block	Four cycle, 3 cylinder, liquid-cooled, naturally aspirated, overhead valve diesel with glow plugs for quick starting. Swirl combustion chambers improve fuel efficiency and reduce smoke.
Cooling System	Standard heat exchanger cooling. Copper-nickel, tube-type heat exchanger has removable rubber end caps for easy cleaning and no need for zincs. The bronze and stainless steel seawater pump with rubber impeller is gear driven, eliminating a potential failure point.
Fuel System	The self-venting fuel system features an inline injection pump with 3-5% mechanical governor. Stop solenoid acts directly on the fuel rack eliminating external linkage problems. The fuel lift pump is mechanical with a hand primer, eliminating electronic pump failures. Flexible fuel lines plumbed to base pan as standard.
Intake and Exhaust	The M673IP meets US EPA Tier III and IMO Tier 2 emission standards. Its cast-aluminum intake manifold with Sound Maze system reduces noise, and its washable air cleaner makes routine maintenance simple. The wet exhaust elbow is stainless steel.
Lubrication System	The closed crankcase vent system traps oil vapor and keeps engine room clean. 3.1 qt (3 ltr) oil capacity for better lubrication and 200-hour oil change intervals. Oil drain hose allows for ease of maintenance.
DC Electrical System	DC System features a 12V ignition protected starter, charging alternator, mounted re-set DC breaker and E-stop. The set is equipped with a unit mounted S-TSC electronic control panel, featuring a two button start/stop, safety shutdowns for high oil pressure, engine temperature and exhaust temperature. Screen monitors and displays engine and generator data including coolant temperature, oil pressure, and DC voltage (optional monitoring of AC voltage, AC frequency and Amps). Two remote panel options are available and provide a start/stop capability through CAN bus. The Main and Remote panels are capable of outputting data to NMEA2000 devices using a CAN bus to NMEA2000 gateway.
AC Generator	The AC system features a high frequency permanent magnet generator coupled to an inverter to provide spark free AC generation with steady frequency and a ± 5% voltage regulation . The generator's brushless design is suitable for ignition protected applications and has a temperature rise rating of $95^{C}/50^{C}$ ambient. The Inverter comes standard with safety shutdowns for Overload, Under voltage, and Overheat.

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