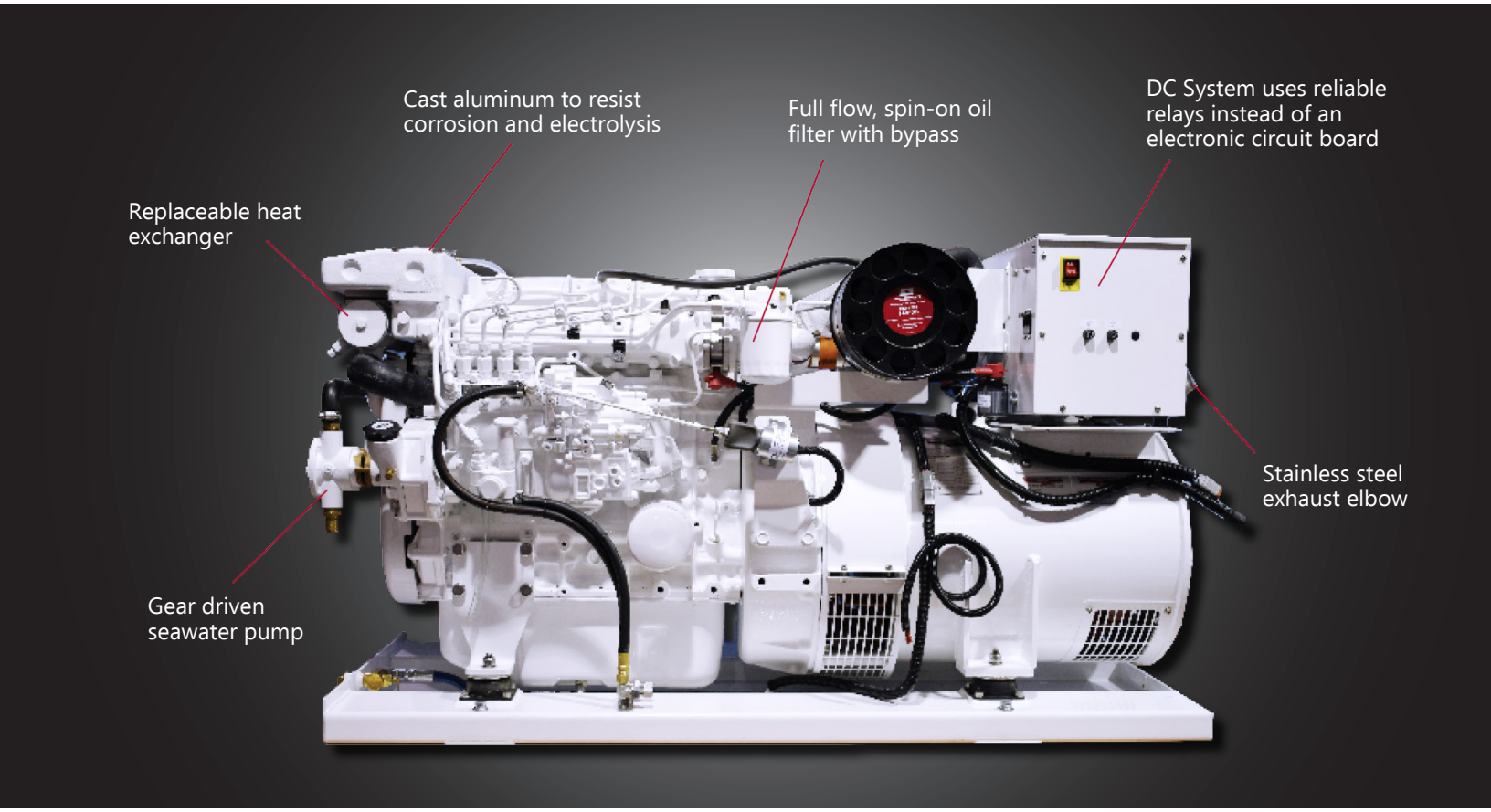
M944T3FG

36 kW (60 Hz, 1800 rpm, 1ph)
38 kW (60 Hz, 1800 rpm, 3ph)



SPECIFICATIONS AND DIMENSIONS

AC Output

36 KW	36 kw 60 hz 1800 rpm 1 phase 120/240 VAC/150A, 120VAC/300A
38 KW	3 Phase: 120/208 VAC 131A
Voltage regulation	±1%

1. Based on SAE J1995 and ISO 3046.

Weight and Height

Approximate dry weight	1443 lbs (654.5 kg)
Length	62.6 in (1509 mm)
Width	26.9 in (683 mm)
Height	31.7 in (805 mm)
Sound enclosure weight	98 lbs (44.4 kg)
Enclosure length	60.1 in (1527 mm)
Enclosure width	28.7 in (729 mm)
Enclosure height	32.1 in (815 mm)

Engine Data

Type	Vertical inline 4 cylinder diesel
Displacement	203 in^3 (3.3 ltr)
Bore/Stroke	3.70/4.72 in (94/120 mm)
Aspiration	Turbocharged
HP @ RPM	60/1800
Approximate fuel use [2]:	
1800 RPM @ full load	3.26 gph (12.34 lph)
1800 RPM @ half load	1.60 gph (6.05 lph)

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

Installation Data

Wet exhaust elbow	3 inch (76 mm) OD
Raw water inlet	3/4 in (19 mm) OD
Fuel inlet	1/4 in NPT
Fuel return	1/4 in NPT

Information and dimensions are subject to change without notice.

Consult factory for classification society.

US EPA Tier III

M944T3FG

36 kW (60 Hz, 1800 rpm, 1ph)
38 kW (60 Hz, 1800 rpm, 3ph)

FEATURES AND BENEFITS

Engine Block	Four cycle, 4 cylinder, liquid cooled, turbo charged, overhead valve diesel. The induction hardened, forged carbon-steel crankshaft is stronger than cast iron while the cross flow head makes for efficient combustion. Helical cut gear train reduces noise.
Cooling System	Standard heat exchanger cooling with optional keel cooling. Copper-nickel, tube-type heat exchanger has removable end caps for easy cleaning. Electrolysis protection via zinc anode. 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 for close AC frequency control. The fuel lift pump is mechanical with a hand primer, eliminating electronic pump failures.
Intake and Exhaust	The M944T3FG meets US EPA Tier III emissions standards. It has a stainless steel wet exhaust elbow.
Lubrication System	The closed crankcase vent system traps oil vapor and keeps engine room clean. 10.5 qt (10 ltr) oil capacity for better lubrication and 250 hour oil change intervals. Oil drain hose with valve plumbed to base pan as standard.
DC Electrical System	The DC System features a 12 volt starter motor and battery charging alternator with belt guard. The set is equipped with a standard remote mount control panel, featuring an hour meter, stop-start switch, engine gauges, a preheat switch, and includes a 20 foot (6m) harness. The standard panel can be expanded to six panels, up to 110 feet from the set. Gauges include oil pressure, coolant temperature and DC Voltage. Low oil pressure, high coolant temperature and high exhaust temperature safety shutdowns standard.
AC Generator	The Northern Lights, direct coupled, four pole, twelve lead generator has Class "H" insulation, a pre-lubricated bearing and features a conservative heat rise rating of 95°C/50°C ambient. Our external automatic voltage regulator is powered by a dedicated AC winding for true 300% short circuit protection.

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