



SPECIFICATIONS AND DIMENSIONS

AC Output¹

20 KW	60 Hz, 1800 RPM, 1 Ph, 1.0 PF, 120/240 V/83.3 A, 120 V/167 A
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16 KW	50 Hz, 1500 RPM, 1 Ph, 1.0 PF, 220 V/72.7 A
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Optional	Three Phase with 0.8 PF
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Voltage regulation	±1%
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1. Based on SAE J1995 and ISO 3046.

Weight and Height

Approximate dry weight	948 lbs (430 kg)
Length	45.9 in (1113 mm)
Width	19.5 in (495 mm)
Height	27.5 in (699 mm)
Sound enclosure weight	90 lbs (41 kg)
Enclosure length	46.0 in (1169 mm)
Enclosure width	22.5 in (572 mm)
Enclosure height	29.5 in (750 mm)

Engine Data

Type	Vertical inline 4 cylinder diesel
Displacement	135 in ³ (2.2 ltr)
Bore/Stroke	3.30/3.90 in (84/100 mm)
HP @ RPM	32/1800 26/1500
Approximate fuel use ² :	
1800 RPM @ full load	1.70 gph (6.50 lph)
1800 RPM @ half load	1.00 gph (3.90 lph)
1500 RPM @ full load	1.36 gph (5.20 lph)
1500 RPM @ half load	0.80 gph (3.00 lph)

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

Installation Data

Wet exhaust elbow	2 inch (51 mm) OD
Raw water inlet	3/4 in (19 mm) OD
Fuel inlet	5/16 - 37T JIC
Fuel return	1/4 - 37T JIC



M844LW3G
20 kW (60 Hz, 1800 rpm)
16 kW (50 Hz, 1500 rpm)

FEATURES AND BENEFITS

Engine Block	Four cycle, 4 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 with optional keel 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 for close AC frequency control. Stop solenoid acts directly on the fuel rack eliminating linkage problems. The fuel lift pump is mechanical with a hand primer, eliminating electronic pump failures.
Intake and Exhaust	The M844LW3G meets US EPA Tier III 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. 8.6 qt (8.2 ltr) oil capacity for better lubrication and 200 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. 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, four lead generator has Class "H" insulation, a pre-lubricated bearing and features a conservative heat rise rating of 95°C/50°C ambient. Our automatic voltage regulator gives you ±1% voltage regulation. The AVR protected by a dedicated circuit breaker.
Additional Options	Ignition Protected Option. Tested to meet criteria for outboard engine boats.

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