

M944T - 38 kW/32 kW

AC Output¹

38 kW 60 Hz, 1800 RPM, 1 Ph, 1.0 PF,
120-240 V/158 A, 120 V/316 A

32 kW 50 Hz, 1500 RPM, 1 Ph, 1.0 PF,
220 V/145 A

Voltage regulation ±1%

Lugger L944 Engine

Type Vertical inline 4 cylinder diesel

Displacement 203 in³ (3.3 ltr)

Bore/Stroke 3.70/4.72 in (94/120 mm)

Aspiration Turbocharged

HP @ RPM 60.0/1800 50.0/1500

Approximate fuel use

1800 RPM @ full load² 2.80 gph (9.80 lph)

1800 RPM @ half load² 1.50 gph (5.30 lph)

1500 RPM @ full load² 2.50 gph (9.50 lph)

1500 RPM @ half load² 1.30 gph (4.90 lph)

Installation Data & Weight

Wet exhaust elbow 3 inch (76 mm) OD

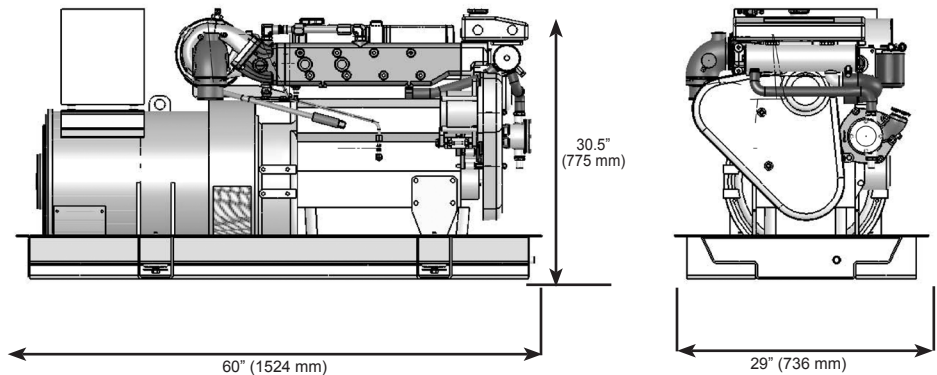
Raw water inlet 3/4 inch (19 mm) OD

Fuel inlet and return 1/4 inch NPT

Approximate dry weight 1416 lbs (642 kg)

1. Based on SAE J1995 and ISO 3046.
2. Actual fuel consumption will vary depending on operating conditions

Dimensional Drawing



M944T Overall Dimensions L x W x H: 60.0 x 29.0 x 30.5 inch (1524 x 736 x 775 mm)

Sound Enclosure Dimensions L x W x H: 60.0 x 29.0 x 32.0 (1524 x 736 x 813 mm)

Sound Enclosure Weight: 140 lbs. (64 kg)

Dimensions given in inches (mm). Dimensions subject to change without notice.
Contact dealer or visit www.northern-lights.com for most current installation drawings.

M944T Features and Benefits

Engine Block

- Four cycle, 4 cylinder, liquid cooled, naturally aspirated, overhead valve diesel.
- Induction hardened crankshaft. Forged carbon steel - stronger than cast iron.
- Helical cut and ground, carbon steel timing and PTO gears reduce noise.
- Cross flow head for efficient breathing.

Cooling System

- Freshwater cooling system in heat exchanger or keel cooled configuration.
- Large, easy-fill single-piece exhaust manifold is freshwater cooled for safety. No hot, dry risers. Fewer troublesome hoses and gaskets. Cast iron to resist corrosion and electrolysis.
- Zinc anode electrolysis protection.
- Heat exchanger cooling is standard. Cupro-nickel tube-type heat exchanger has removable ends for easy cleaning. Rubber impeller seawater pump of bronze and stainless steel is gear driven; no belt.

Fuel System

- Direct injection with glow plugs.
- Bosch-type in-line injection pump with 5% mechanical governor for close AC frequency control.
- Pintle injectors.
- Mechanical lift pump with hand primer. No electric pump to fail.
- Large spin-on fuel filter.
- Flexible fuel lines routed to base.
- Stop solenoid controls the fuel rack, not the throttle, to eliminate speed variances and linkage problems.

Intake and Exhaust

- Fully compliant with all current US EPA emission standards at date of manufacture.
- Liquid-cooled turbocharger
- Washable air cleaner in cast intake manifold reduces intake noise.
- Cast iron, wet exhaust elbow for safety.

Lubrication System

- Full flow, spin-on oil filter with bypass.
- 10.5 qt (10.0 ltr) center well oil pan. 250 hour oil change intervals.
- Oil drain for quick, clean oil changes.

DC Electrical System

- DC system uses reliable relays instead of an unrepairable printed circuit board.
- 12 volt starter motor and battery charging alternator with regulator and belt guard.
- Standard panel: Remote mount S-3C has hour meter, stop-start switch with run light and preheat switch. Gauges for oil pressure, coolant temp and DC voltage. Safety shutdowns for low oil pressure, high coolant temp and high exhaust temp.
- Expandable to six panels up to 110 feet from the set.
- 20 foot (6m) plug-in panel harness lets you mount your panel anywhere onboard.

AC Generator

- Northern Lights direct coupled, brushless AC generator is maintenance free. 12 wire 50 or 60 Hz output standard. Conservative heat rise rating: 95°F/50°C ambient.
- Automatic voltage regulator (AVR) is powered by dedicated AC winding for true 300% short circuit capability and circuit breaker protection. Quick ±1% RMS no load to full load voltage regulation.
- Generator features high quality, Class "H" epoxy insulation, accessible diodes, over-sized bearings and junction box for wiring.

Special Equipment

- Welded steel base frame with drip pan.
- Four platform mounts isolate vibration.
- Belt guard protects operator.
- White, long-life polyurethane paint.
- Operator's and parts manuals standard.

Classification Standards

- Consult factory for details.



www.northern-lights.com

Dealer

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Information and dimensions subject to change without notice.

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