M844LW3R, M944T3FR
Deck Mounted Generator Sets
15-18, 36 kW

Features and Benefits

Northern Lights' innovative line of deck mounted generator sets combine reliable radiator-cooled performance with the state of the art in marine power generation. Whatever your size requirements, Northern Lights has a solution.

The M844LW3R is based on an inline vertical four-cylinder, four cycle diesel engine. Reliably powered through mechanical fuel system management and naturally aspirated, the M844LW3R produces 18 kW (60 Hz) or 15 kW (50 Hz) of single phase power.

The turbo-charged four-cylinder M944T3FR provides 36kW (60 Hz) of three phase power with mechanical fuel delivery.

All Northern Lights radiator-cooled marine generator sets are engineered to meet US EPA Tier III marine emission requirements. Shutdowns, pre-alarms and optional double-walled fuel lines are among the many features that promote long-life and steadfast durability.

Fully customizable and factory tested, Northern Lights ensures your sets' quality. Northern Lights' commonality of parts and simplified maintenance points assure that your deck mounted set can be serviced as easily and swiftly as your main sets.

Five decades of engineering and craftsmanship go into the Radiator Cooled Deck Mounted Generator Sets. You can rely on the complete marine solutions from Northern Lights.

AC Output[1]	M844LW3R	M944T3FR
60 Hz, 1800 RPM	**18 kW**	**36kW**
voltage	120-240 V/83.3 A, 120 V/133 A	120-208V/139 A, 277-480 V/60 A
50 Hz, 1500 RPM	**15 kW**	N/A
voltage	220 V/72.7 A	N/A
Standard Phase	Single Phase with 1.0 PF	Three Phase with 0.8 PF
Optional Phase	Three Phase with 0.8 PF	Single Phase with 1.0 PF
Voltage regulation	±1%	±1%
Lugger Engine		
Type	Vertical inline 4 cylinder diesel	Vertical inline 4 cylinder diesel
Aspiration	Natural	Turbocharged
Displacement	135 in^3 (2.2 ltr)	203 in^3 (3.3 ltr)
Bore/Stroke	3.30/3.90 in (84/100 mm)	3.70/4.72 (94/120 mm)
HP @ RPM	32/1800 25.6/1500	60.0/1800
Approximate fuel use (Mechanical Fuel System)		
1800 RPM @ full load[2]	1.70 gph (6.50 lph)	3.3 gph (12.3 lph)
1800 RPM @ half load[2]	1.00 gph (3.90 lph)	1.6 gph (6.0 lph)
1500 RPM @ full load[2]	1.36 gph (5.20 lph)	N/A
1500 RPM @ half load[2]	0.80 gph (3.00 lph)	N/A
Installation Data		
Dry exhaust elbow	1.5 in NPT	3 in (76 mm) ANSI FLANGE
Fuel inlet and return	1/4 in NPT	1/4 in NPT
Installation Data		
Set length	55.2 in (1401 mm)	70.3 in (1786 mm)
Set width	30.0 in (736 mm)	28.5 in (725 mm)
Set height	40.0 in (914 mm)	41.0 in (1042 mm)
Approximate dry weight	1132 lbs (513 kg)	1700 lbs (771 kg)

All specifications and dimensions are preliminary and are subject to change without notice.

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