M1064T2MCA
60 kW (60 Hz, 1800 rpm)

SPECIFICATIONS AND DIMENSIONS

AC Output[1]	
60 Hz, 1800 RPM kW	**60 kW**
Voltage regulation and PMG	+/-0.5%
Frequency droop control	Isochronous 0%
Phase and power factor	3/0.8
Generator full load temperature rise	95°C rise at 50°C ambient

Lugger Marine Diesel Engine Data	
Inline cylinders/Operating cycle	Inline four/four cycle
Aspiration	Turbo Aftercooled
Displacement - cid (liter)	276 (4.5)
Bore/Stroke - inches (mm)	4.19/5 (106/127)
HP@1800 RPM[2]	113
Oil capacity with filter - quarts (ltr)	14.3 (13.5)

DC Electrical System	
DC starting voltage - standard (optional)	12 (24)
Min. battery capacity - amp hr/24V CCA (12V CCA)	220/640 (590)
Starter rolling amps @0° 24VDC (12VDC)	780 (600)

Air & Exhaust Systems	
Generator cooling air flow - 60 Hz/cfm	700
Air consumption - 60 Hz - cfm (m^3/m)	226 (6.4)
Exhaust gas volume - 60 Hz - cfm (m^3/m)	618 (17.5)
Exhaust gas temp - 60 Hz - F° (C°)	747° (397°)
Max. exhaust Back Pressure - inch H^2O (mm H^2O)	30 (762)
Radiator Air Flow - cfm	9000

Photo Coming Soon

Fuel System	
Fuel injection pump type and control	Rotary
Min suction & return line - in (mm)	3/8 (9.5)
Max fuel transfer pump suction lift - in (mm)	36 (914)
Max fuel flow to transfer pump at - gph 60 Hz (1 ph)	21.5 (81.3)
Full load fuel returned to tank - gph 60 Hz (1 ph)	15.5 (60.0)
Specific fuel consumption max load 60 Hz - lbs.hp.hr.	0.347
Approx. fuel rate at 60 Hz full load - gph (lph)	6.0 (22.7)

Dimensions and Weight	
Set length - inch (mm)	80 (2038)
Set width - inch (mm)	34 (876)
Set height - inch (mm)	44 (1116)
Approx. wet weight 3 phase 60 Hz - lbs (kg)	2308 (1047)

FEATURES AND BENEFITS

AFTERCOOLED FOR HIGH POWER DENSITY

Northern Lights M1064 models have an aftercooler that cools the intake air. Cool air has more oxygen for better combustion. This aftercooler and electronic fuel injection increase output to give you six cylinder power from a four cylinder set.

ELECTRONIC SYSTEM PROFILER

"ESP" is a window to your set's real time operating condition. The ECU that controls the electronic fuel injection produces a SAE J1939 data stream of engine information that can be shown on an optional CAN Bus monitor panel.

SUPERIOR PMG GENERATOR ENDS

Northern Lights generator ends achieve ±0.5% voltage regulation. All have low temperature rise ratings that meet or exceed classification society requirements including ABS and Lloyds. This generator set is a Permanent Magnet Generator for 300% short circuit capability required for classed vessels.

COMMITTED TO PROVIDING COMPLETE SOLUTIONS

Northern Lights products are thoroughly factory tested and go through a complete quality control program to ensure your total satisfaction Our design philosophy allows us to provide comprehensive solutions to your power production needs. Because engine room space is always at a premium, Northern Lights offers Low-Profile generator sets that save valuable inches where you need it most. Our line of options and accessories are designed to integrate into a total power system specifically built for your vessel. PTO's, sound enclosures and custom panels are among the options that make your power system as unique as your boat.

NOTES:

[1] Prime kW ratings for 3Ø at 0.8 power factor. Consult factory for deration factors.

[2] Net flywheel hp rating for fully equipped engine at rated speed under SAE J816b.

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