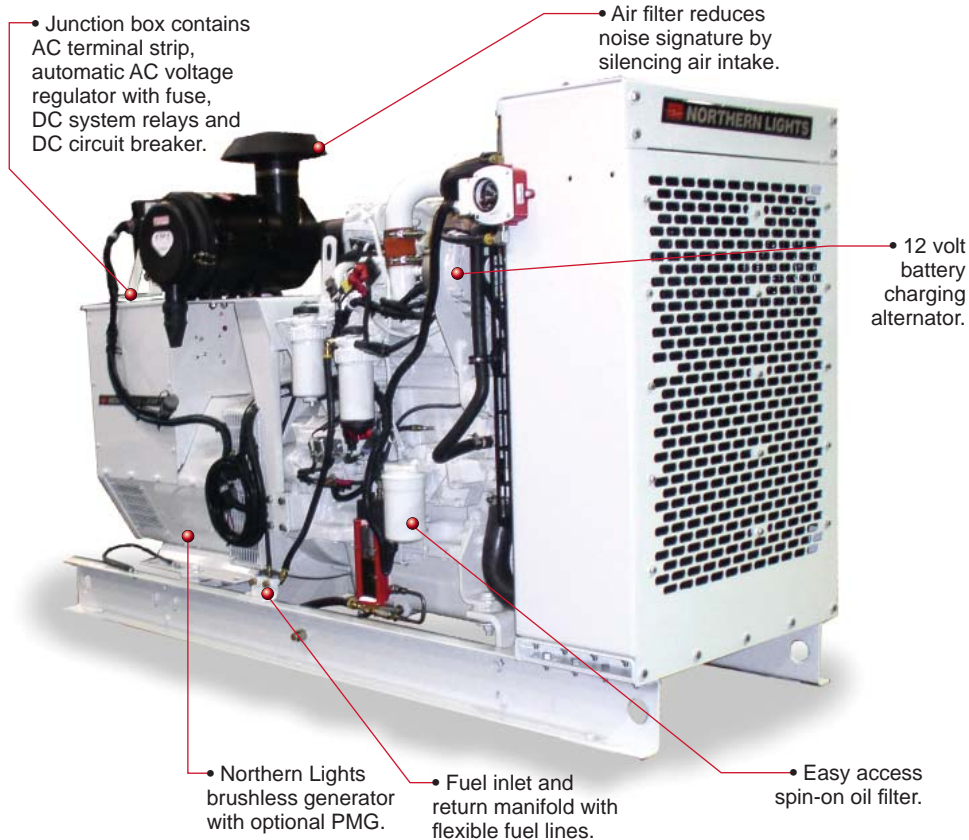


75-110 kW
Prime Power

85-125 kW
Standby

Service Side

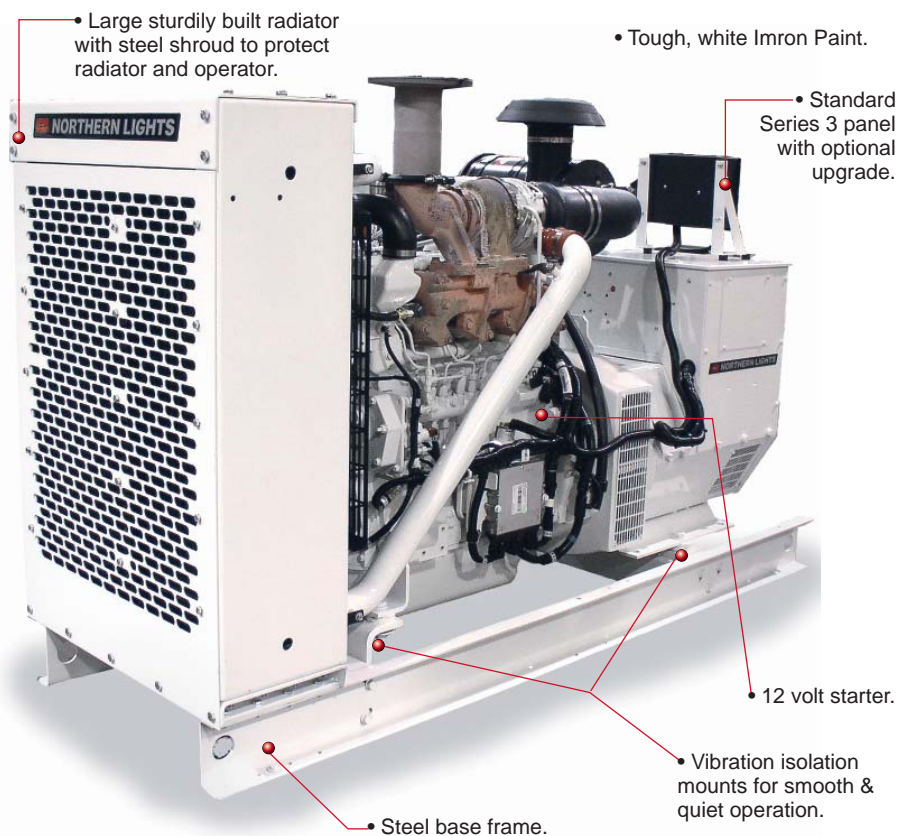


Since 1958, Northern Lights' success has been based on our obsession with innovative, application-specific design, quality control and unit reliability. This has made our Northern Lights land-based generator sets the recognized industry standard of excellence.

The sets that comprise the NL1064H Series meet this high standard. Combining high torque, low rpm industrial diesel, conservatively rated generator end and your choice of controls, the resulting power system gives you economical prime power or reliable standby protection.

The NL1064H Series features a John Deere electronically controlled engine designed to meet EPA, CARB and EEC emissions standards. The 4 cylinder in-line, two and four valve per cylinder diesel engine is designed to produce peak torque at low RPMs. It is quiet, light and more economical.

Non-Service Side



All Northern Lights are built to be easy to install, operate and maintain. With a self-venting fuel system and unit mounted control panel, the NL1064H Series is ready to "plug and play" into your electrical system. The DC control panels feature a variety of safety alarms and shut downs to protect your investment. Single side service points, oil and fuel drains, and owner's manuals available in print or on CD-ROM help simplify maintenance even further.

The NL1064H's quality allows us to back them with an industry-leading one year, unlimited hour, warranty. This, along with sole-source supply, assures you of quick and total product support.

Every Northern Lights is fully loaded tested before shipment to ensure maximum quality.

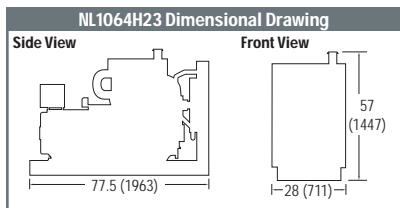
Special needs? Let our engineers use the NL1064H as a foundation for a custom set designed for your power requirements.



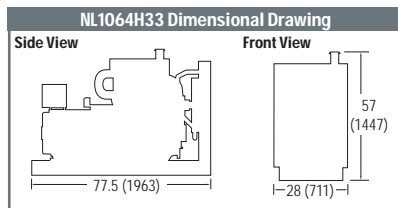
NL1064 Series

General Specifications and Dimensions

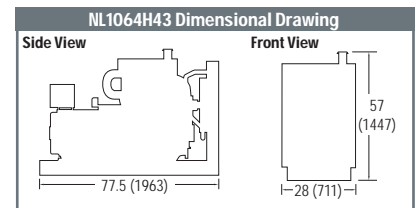
Application	NL1064H23	NL1064H33	NL1064H43
Prime - 60 Hz, 1800 RPM	78 kW	90 kW	110 kW
Standby - 60 Hz, 1800 RPM	85 kW	100 kW	125 kW
John Deere L1064H Diesel Engine			
Cylinders/Operating cycle	4 inline / 4 cycle	4 inline / 4 cycle	4 inline / 4 cycle
Aspiration	Turbo & Charge Air	Turbo & Charge Air	Turbo & Charge Air
Displacement - cid (liter)	276 (4.5)	276 (4.5)	276 (4.5)
Bore - inches (mm)	4.19 (106)	4.19 (106)	4.19 (106)
Stroke - inches (mm)	5.00 (127)	5.00 (127)	5.00 (127)
Flywheel housing size	SAE 3	SAE 3	SAE 3
HP @ 1800 RPM - Prime			
HP @ 1800 RPM - Standby			
Cooling System			
Engine coolant capacity - US gal (ltr)			
Jacket water pump capacity - gpm (lpm)			
Radiator Capacity - US gal (ltr)			
Maximum coolant temperature - F(C)			
Heat rejected to coolant, btu/min - Prime	2959	2959	2959
Heat rejected to coolant, btu/min - Standby	3300	3300	3300
Cooling fan air flow @ 2" restriction - cfm(m ³ /m)			
Room inlet minimum			
Exhaust			
Exhaust gas flow, cfm(m ³ /m) - Prime	618 (17.5)	618 (17.5)	618 (17.5)
Exhaust gas flow, cfm(m ³ /m) - Standby	674 (19.1)	674 (19.1)	674 (19.1)
Max exhaust gas temperature, F(C) - Prime	898°(481)	898°(481)	898°(481)
Max exhaust gas temperature, F(C) - Standby	946°(508)	946°(508)	946°(508)
Maximum allowable back pressure, in(mm)	30 (762) H ₂ O	30 (762) H ₂ O	30 (762) H ₂ O
Fuel System			
Fuel Injection	Electronic DE10	Electronic DE10	High Pressure Common Rail
Approximate fuel consumption, US gal(ltr) - Prime			
Approximate fuel consumption, US gal(ltr) - Standby			
Minimum suction line size, in	3/8"	3/8"	3/8"
Minimum return line size, in	3/8"	3/8"	3/8"
Female fuel pump inlet size			
Female fuel pump return size			
Maximum transfer pump lift from pump in(mm)			
Maximum fuel flow to transfer pump GPH			
DC Electrical System			
DC Starting voltage			
Alternator charging capacity			
Minimum Battery capacity			
Battery cable size			
AC Electrical System			
Standard low wattage output - 3 phase, 0.8pf			
Optional output - 1 phase, 1.0pf			
Rated ambient air temperature			
Rated temperature rise - Prime			
Rated temperature rise - Standby			
Lubrication System			
Oil pan capacity, US gal (ltr)	3.25 (12.2)	3.25 (12.2)	3.25 (12.2)
Oil pressure at rated speed, psi (kPa)			
Pump capacity at rated speed, psi (kPa)			
Oil pressure shutdown, psi (kPa)			
Lube oil type			
Maximum lube oil temperature, F(C)			
Dimensions and Weight			
Length, inch (mm)	77.5 (1963)	77.5 (1963)	77.5 (1963)
Width, inch (mm)	28.0 (711)	28.0 (711)	28.0 (711)
Height, inch (mm)	57.0 (1447)	57.0 (1447)	57.0 (1447)
Approx. set dry weight, lbs (kg)	1958 (889)	1958 (889)	1958 (889)



Overall Dimensions L x W x H: 77.5 x 28 x 57 in (1963 x 711 x 1447 mm)
 Dimensions subject to change without notice. Not intended for installation.
 Contact dealer or visit www.northern-lights.com for most current installation drawings.



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Dealer

4420 14th Ave. NW., Seattle WA 98107
 Tel: (206) 789-3880 • 1-800-762-0165 • Fax: (206) 782-5455
info@northern-lights.com

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