

Specifications and Dimensions

Model Number	MP445D	MP668QT	MP445T	MP445H	MP668T	MP668H
60 Hz, 1800 RPM ¹	40 kW (50 kVA)	NA	55 kW (66 kVA)	65 kW (81 kVA)	80 kW (100 kVA)	99 kW (123 kVA)
60 Hz, 1200 RPM ¹	NA	50 kW (62 kVA)	NA	NA	NA	NA
50 Hz, 1500 RPM ¹	33 kW (41 kVA)	NA	45 kW (56 kVA)	55 kW (68 kVA)	66 kW (82 kVA)	80 kW (100 kVA)
Phase	Available in Single or Three Phase Output					
Voltage regulation	±0.25%	±0.25%	±0.25%	±0.25%	±0.25%	±0.25%
Power Factor for Ø	0.8	0.8	0.8	0.8	0.8	0.8
Generator full load temp. rise	All are: 95°C at 50°C ambient					

Engine

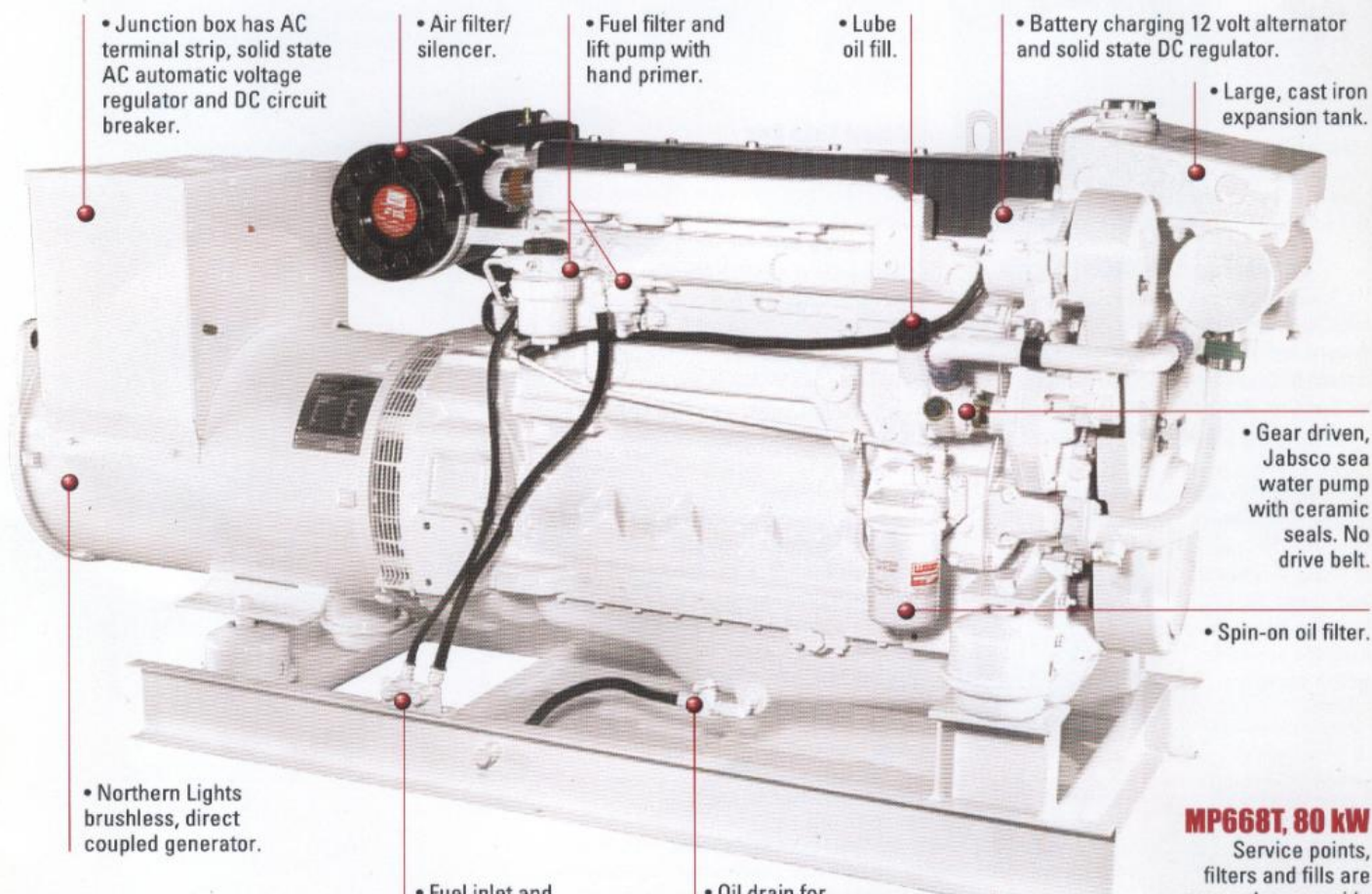
Lugger marine diesel	LP445D	LP668T	LP445T	LP445H	LP668T	LP668H
Inline cylinders/Aspiration	4/Natural	6/Turbocharged	4/Turbocharged	4/Turbocharged	6/Turbocharged	6/Turbocharged
Displacement - CID (Liter)	276 (4.5)	414 (6.8)	276 (4.5)	276 (4.5)	414 (6.8)	414 (6.8)
Bore/Stroke - inches (mm)	4.2/5 (106/127)	4.2/5 (106/127)	4.2/5 (106/127)	4.2/5 (106/127)	4.2/5 (106/127)	4.2/5 (106/127)
HP @ 1800 RPM ²	67	75	83	93	120	149
Approx. fuel rate at						
1800 RPM full load - gph (lph) ³	3.3 (12.5)	3.63 (13.7)	4.4 (16.7)	4.7 (17.8)	6.53 (24.7)	7.28 (27.6)
1500 RPM full load - gph (lph) ³	2.66 (10.1)	NA	3.7 (14)	4.18 (15.8)	5.47 (20.7)	6.1 (23.1)

Installation Data

Wet exhaust outlet - inch (mm)	4 (100)	4 (100)	4 (100)	4 (100)	4 (100)	4 (100)
Raw water inlet - inch (mm) ID	1.25 (32)	1.25 (32)	1.25 (32)	1.25 (32)	1.25 (32)	1.25 (32)
Fuel inlet-return - inch (mm) NPT	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)	3/8 (9.5)
Length - inch (mm) ⁴	63.97 (1624.8)	81.35 (2066.3)	67.60 (1717)	67.60 (1717)	80.73 (2050.5)	85.98 (2183.9)
Width - inch (mm) ⁴	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)	30 (762)
Height - inch (mm) ⁴	40.5 (1028.7)	43.75 (1111.3)	40.5 (1028.7)	40.5 (1028.7)	40.5 (1028.7)	40.5 (1028.7)
Weight - lbs (kg) ⁴	1869.2 (847.8)	2603.2 (1181)	2072 (939.8)	2072 (939.8)	2471 (1121)	2521 (1143.5)

1. Prime kW rating. 1 kW equals 1000 watts. 0.8 power factor. 2. Net flywheel hp rating for fully equipped engine at 1800 (1200) RPM under SAE J816b.

3. Based on prime kW rating at 1800 (1200) RPM. Fuel rate may vary depending on operating conditions. 4. Installation data for units with hydrostatic mounts, heat exchanger cooling and 3 phase generator ends. Dimensions and weight are effected by optional equipment, AC output, phase and cooling configuration. Drawings are available from the factory and online at www.northern-lights.com.



MP668T, 80 kW

Service points, filters and fills are

- Fuel inlet and
return manifold.

- Oil drain for
quick, clean oil changes.

grouped on one side
for ease of service.