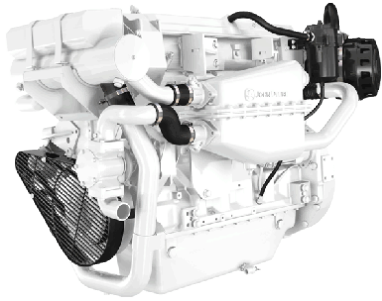


PowerTech™

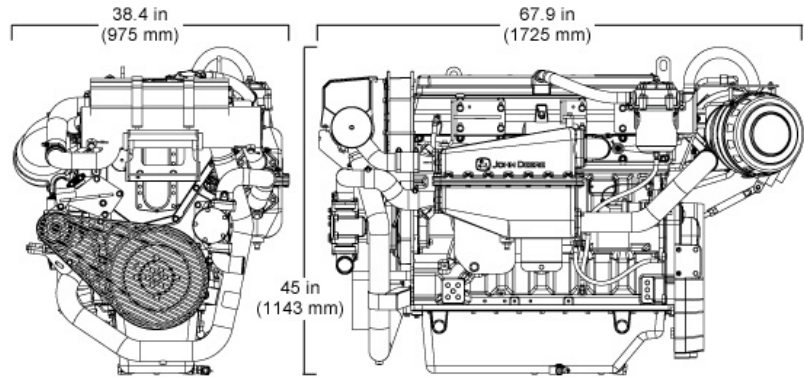
6135SFM75 Diesel Engine

Propulsion Engine Specifications



6135SFM75 shown

Dimensions



Certifications

EPA Commercial Marine Tier 2
IMO MARPOL Annex VI Compliant
NRMM (97/68/EC)

General data

Model	6135SFM75	Length - mm (in)	1725 (67.9)
Number of cylinders	6	Width - mm (in)	975 (38.4)
Displacement - L (cu in)	13.5 (824)	Height, Centerline to Top-- mm. (in)	780 (30.7)
Bore and Stroke-- mm (in)	132 x 165 (5.20 x 6.50)	Height, Centerline to Bottom-- mm. (in)	363 (14.3)
Compression Ratio	15.3 : 1	Weight, dry-- kg (lb)	1526 (3364)
Engine Type	In-line, 4-Cycle	Maximum Installed Angle	Front Up – degrees 12 Front Down – degrees 0
Aspiration	Air-to-sea water		

Features and benefits

Watercooled Turbocharger and Exhaust Manifold

- Cooler and quieter environment for vessel and crew
- Reduced external connections eliminates hoses and fittings that can leak or break

Directed Top-liner Cooling

- Reduces upper liner temperature by as much as 130 degrees Fahrenheit
- Durable and reliable power cylinder components

Replaceable Wet-type Cylinder Liners

- Hardened and precision machined for long life

Heat Exchanger

- High-capacity heat exchanger designed for reliable operation in adverse conditions

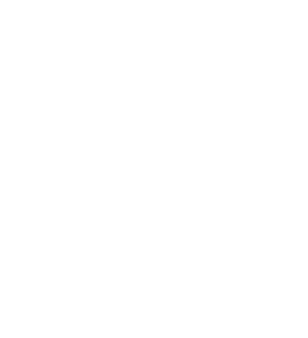
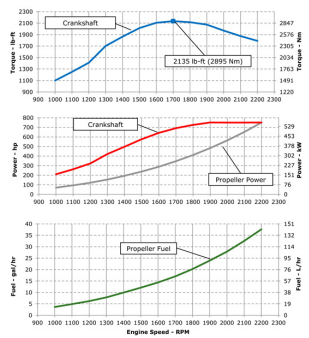
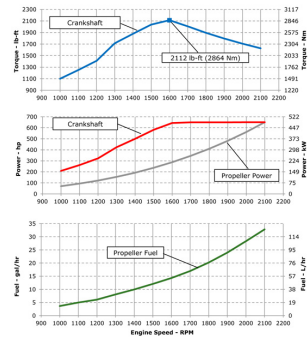
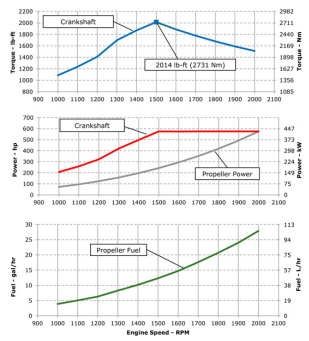
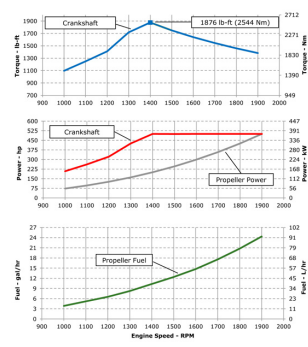
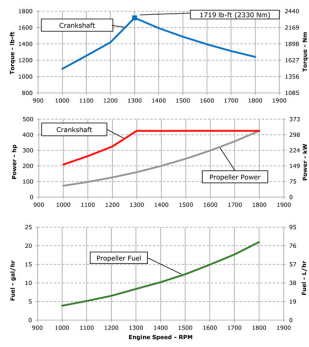
High Torque and Low Rated RPM

- Excellent vessel control and maneuvering
- Lower rated rpm limits vibration and noise for better crew comfort

Fuel System

- Electronically controlled unit injectors provide precise fuel delivery with variable timing resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection

Performance curve



Performance data	M5	M4	M3	M2	M1
Rated Power - kW (hp)	559 (750)	485 (650)	429 (575)	373 (500)	317 (425)
Rated Speed - rpm	2200	2100	2000	1900	1800
Low Idle Speed - rpm	600	600	600	600	600
Peak Torque - Nm (ft-lb)	2895 (2135)	2864 (2112)	2731 (2014)	2544 (1876)	2330 (1719)
Peak Torque Speed - rpm	1700	1600	1500	1400	1300
Fuel Consumption - L/h (gal/hr)	140.0 (37.0)	124.7 (32.9)	108.0 (28.5)	92.6 (24.5)	79.2 (20.9)

M rating	M5	M4	M3	M2	M1
Typical load factor	< =35%	< =40%	< =50%	< =65%	> 65%
Typical annual usage (hr)	300-1,000 hr	1,000-3,000 hr	2,000-4,000 hr	3,000-5,000 hr	Unrestricted
Typical full-power operation (hr)	0.5 of each 8 hr	1 of each 12 hr	4 of each 12 hr	16 of each 24 hr	Uninterrupted

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Preliminary Information
 All values at rated speed and power with standard options unless otherwise noted.
 Specifications and design subject to change without notice.