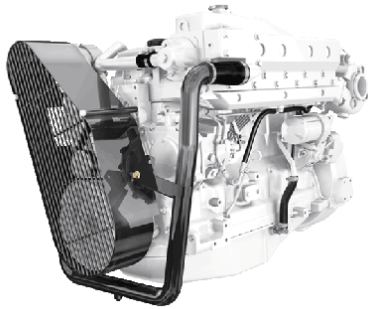


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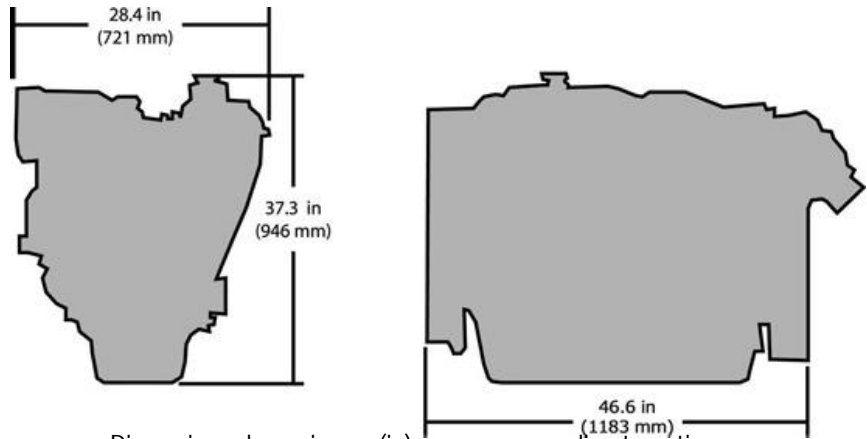
6068SFM50 Diesel Engine

Marine Propulsion Engine Specifications



6068SFM50 shown

Dimensions



Dimensions shown in mm (in) may vary according to options selected. Contact your distributor for more information.

Emissions

IMO MARPOL Annex VI

EPA Commercial Marine (40 CFG Part 94)

General Data (Based on Standard Option Configuration)

Model	6068SFM50	Length maximum - mm (in)	1183 (46.6)
Number of cylinders	6	Height - mm (in)	946 (37.3)
Displacement - L (cu in)	6.8 (415)	Height, crankshaft centerline to top - mm (in)	619 (24.4)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)	Height, crankshaft centerline to bottom - mm (in)	327 (12.9)
Engine Type	In-line, 4- Cycle	Weight, dry - kg (lb)	776 (1711)
Aspiration	Air-to-sea water		

Classification Societies

CRS,DNV-GL,LR

*SOLAS and other accessories available. Contact your distributor for details.

Engine Specifications

Performance ratings	Power kW (bhp)	Rated Speed (rpm)	Rated fuel consumption L/hr (gal/hr)
M3	176 (236)	2400	45.5 (12.0)
M4	199 (267)	2500	51.6 (13.6)
M5	224 (300)	2600	59.1 (15.6)

Metric hp = Brake hp x 1.01387

M rating	M3	M4	M5
Typical load factor	< =50%	< =40%	< =35%
Typical annual usage (hr)	2,000-4,000 hr	1,000-3,000 hr	300-1,000 hr
Typical full-power operation (hr)	4 of each 12 hr	1 of each 12 hr	0.5 of each 8 hr

Ratings are based on ISO 8655 standard power rating and the SAE J1 228 crankshaft power rating.

Flexibility of installation due to range of options.

See your John Deere Power Systems engine distributor or marine dealer for more detailed performance information.

Features and Benefits

Watercooled Exhaust Manifold

- Cooler and quieter environment for vessel and crew

Replaceable Wet-type Cylinder Liners

- Excellent heat dissipation
- Hardened and precision machined for long life
- Rebuild to original specifications

Corrosion Resistant Components

- Provides engine protection from the effects of seawater

Either-side Service

- Oil fill and dipstick combinations
- Remote oil filter for easier service access
- Application and service flexibility to provide installation convenience plus fast and easy maintenance

Heat Exchanger

- High-capacity heat exchanger designed for reliable operation in adverse conditions
- Integrated expansion tank, heat exchanger and exhaust manifold reduce chances of leaks
- Seawater aftercooler for increased power and efficiency

High Torque and Low Rated RPM

- Enables the engine to turn larger propellers at lower speed for best efficiency
- Excellent vessel control and maneuvering
- Lower rated rpm limits vibration and noise for better crew comfort

Fuel System

- Electronically controlled rotary fuel injection pump with variable timing resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- Electronic instrument panel with plain text messaging