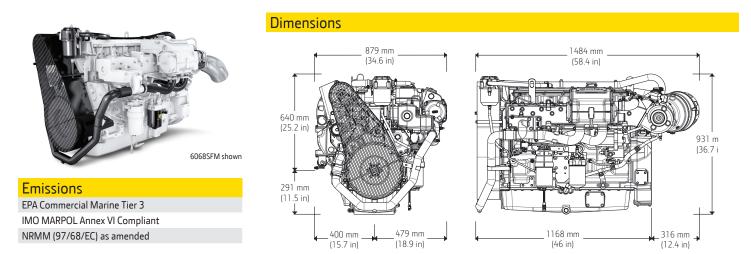
PowerTech[™] 6068SFM85 Diesel Engine

Marine Propulsion Engine Specifications





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

Length maximum – mm (in)

General Data (based on standard option configuration)					
Model	6068SFM85				
Number of cylinders	6				
Displacement – L(cu in)	6.8 (415)				
Bore and Stroke – mm (in)	106 x 127 (4.17 x 5)				
Engine Type	In-line, 4-cycle				
Aspiration	Turbocharged and air-to-seawater aftercooled				

Classification Societies

SOLAS – Accessories available*

ABS, DNV, BV, LR

* Other accessories available. Contact your distributor for details.

Engine Specifications

	Length to rear face of flywheel housing – mm (in)	1168 (46)	
	Flywheel housing SAE	SAE #3	
	Width maximum – mm (in)	879 (34.6)	
	Crankshaft centerline right – mm (in)	479 (18.9)	
ed	Crankshaft centerline left – mm (in)	400 (15.7)	
	Height – mm (in)	931 (36.7)	
	Height, crankshaft centerline to top – mm (in)	640 (25.2)	
	Height, crankshaft centerline to bottom – mm (in)	291 (11.5)	
	Weight, dry – kg (lb)	763 (1682)	

Power kW (bhp)	Rated Speed (rpm)	Rated fuel consumption L/hr (gal/hr)
186 (250)	2400	51 (13.5)
209 (280)	2500	56.7 (15.0)
239 (320)	2600	63.2 (16.7)
265 (355)	2700	69.3 (18.3)
298 (400)	2800	81.3 (21.5)
	186 (250) 209 (280) 239 (320) 265 (355)	186 (250) 2400 209 (280) 2500 239 (320) 2600 265 (355) 2700

* M5 rating is a recreational only rating

Metric hp = Brake hp x 1.01387

M rating	M1	M2	M3	M4	M5
Typical load factor	>65%	≤65%	≤50%	≤40%	≤35%
Typical Annual Usage (hr)	Unrestricted	3,000-5,000	2,000-4,000	1,000-3,000	300-1,000
Typical full-power operation (hr)	Uninterrupted	16 of each 24 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 J1228 crankshaft power rating. For easier installation, JDPS offers a range of options to fit your needs.

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

1484 (58.4)

Features and Benefits

High torque and low rated RPM

- High torque provides excellent vessel control and maneuverability
- Lower rated propulsion RPM reduces vibration and noise for improved crew comfort

High-pressure common-rail (HPCR)

- The HPCR fuel system provides variable common-rail pressure, multiple injections, and higher injection pressures
- Controls fuel injection timing and provides precise control for the start, duration, and end of injection
- Transfer pump with priming option
- Provides high performance, excellent fuel economy, and low emissions

Turbocharged with air-to-seawater aftercooling

 Cooler turbocharger operation enables higher ratings and efficiencies for applications that require high power or speed

Multiple service options

 Either-side oil fill/dipstick combinations and remote oil filter options are available for easier service access

4-valve cylinder head

 Excellent airflow through 4-valve cylinder head delivers greater low-speed torque and better transient response time

Water-cooled exhaust manifold

- Integrated components eliminate external hoses and fittings
- Wet exhaust manifold creates a cooler and quieter environment for passengers and crew

Replaceable cylinder liners

- Replaceable wet-type cylinder liners are precision-machined and hardened for long life
- Allows engine to be rebuilt to original specifications

Electronic engine control unit (ECU)

- Advanced fault code diagnostics and customizable engine protections ensure reliability and uptime
- Provides highly customizable features and trim to integrate your vessel

Heat Exchanger

- High-capacity heat exchanger provides reliable operation in adverse conditions

John Deere Power Systems 3801 W. Ridgeway Ave. PO Box 5100 Waterloo, IA 50704-5100 Phone: 800.553.6446 Fax: 319.292.5075 John Deere Power Systems Usine de Saran La Foulonnerie B.P. 11.13 45401 Fleury les Aubrais Cedex France Phone: 33.2.38.82.61.19 Fax: 33.2.38.82.60.00 All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.