

PowerTech™

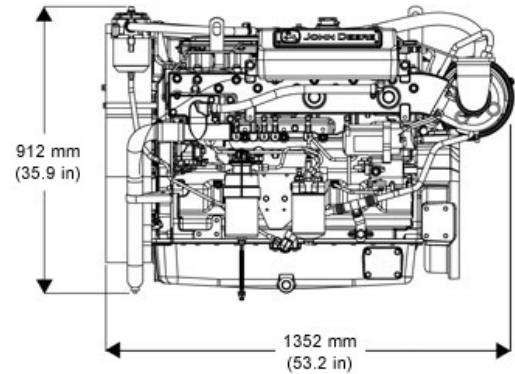
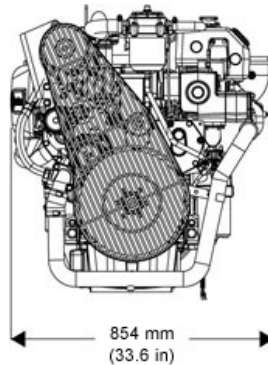
6068AFM75 Diesel Engine

Marine Generator Drive Engine Specifications



6068AFM75 shown

Dimensions



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

Emissions

EPA Commercial Marine Tier 2
IMO MARPOL Annex VI Compliant

General Data (Based on Standard Option Configuration)

Model	6068AFM75	Length maximum - mm (in)	1352 (53.2)
Number of cylinders	6	Length to rear face of flywheel housing - mm (in)	1172 (46.1)
Displacement - L (cu in)	6.8 (415)	Flywheel housing SAE	2
Bore and Stroke-- mm (in)	107 x 127 (4.21 x 5.00)	Height - mm (in)	912 (35.9)
Engine Type	In-line, 4-Cycle	Height, crankshaft centerline to top - mm (in)	646 (25.4)
Aspiration	Turbocharged and air-to-coolant aftercooled	Height, crankshaft centerline to bottom - mm (in)	266 (10.5)
		Weight, dry - kg (lb)	812 (1790)

Classification Societies

BV,CRS,DNV-GL,LR,PRS

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

Features and Benefits

High Pressure Common Rail Fuel System

- Higher (33%) injection pressures, up to 1600 bar (23,000 psi)
- Variable injection pressure and timing control

John Deere Electronic Control Systems

- Built in controls eliminates the need for costly add on engine warning systems and associated components
- Service diagnostics and error codes automatically stored for later retrieval & ease of diagnostics
- Built in engine synchronization feature

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

Replaceable Wet-type Cylinder Liners

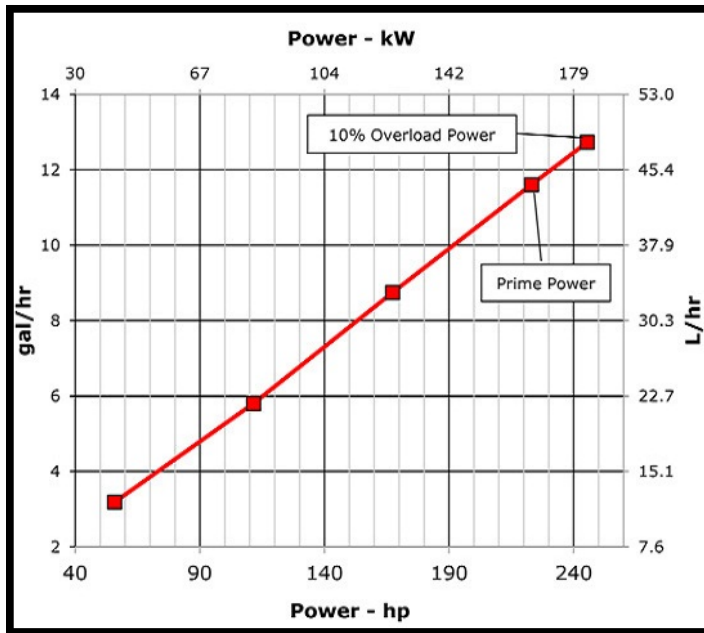
- Hardened and precision machined for long life
- Rebuild to original specifications

Heat Exchanger or Keel Cooled

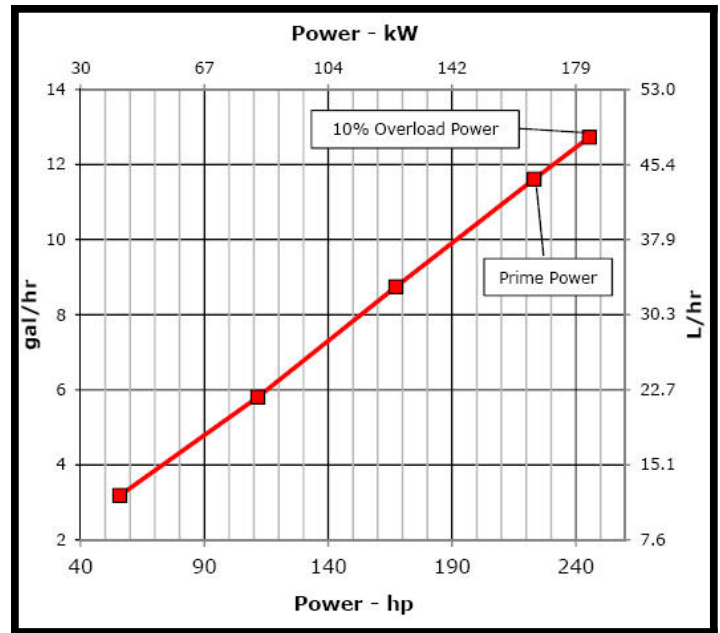
- High-capacity heat exchanger designed for reliable operation in adverse conditions
- Keel cooled option provides application flexibility

Performance Curves

50Hz (1500 rpm)



60Hz (1800 rpm)



Performance data points shown at 25%, 50%, 75%, 100% (prime), and 110% (overload) power.

Calculated Generator-Set Rating

Rated speed Hz (rpm)	Generator efficiency %	Engine power		Power factor	Calculated generator set rating	
		Prime*			Prime*	
		kW	hp		kWe	kVA
50 (1500)	88-92	139	186	0.8	122-129	153-161
60 (1800)	88-92	166	223	0.8	146-153	183-191

*Prime power is the normal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J1995. This rating incorporates a 10 percent overload capability, and conforms to ISO 8528 prime power.

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

John Deere Power Systems
3801 W. Ridgeway Ave.
PO Box 5100
Waterloo, IA 50704-5100
Phone: 1-800-533-6446
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

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