

# PowerTech™

## 6068AFM75 Diesel Engine

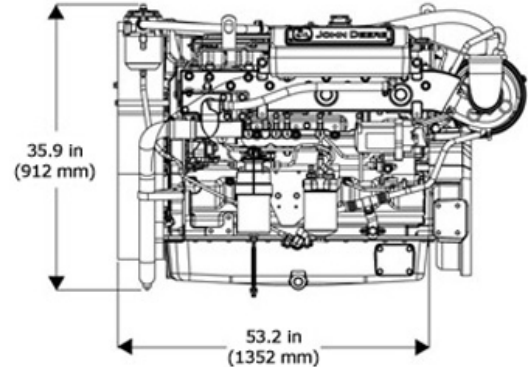
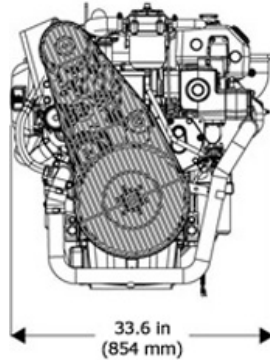
Marine Propulsion Engine Specifications



### Dimensions



6068AFM75 shown



### Emissions

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

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

### General Data (Based on Standard Option Configuration)

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

### Classification Societies

ABS, BV, CCS, CRS, DNV-GL, LR, PRS

\*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)
M1	172 (231)	2300	43.6 (11.5)
M2	198 (266)	2400	50.4 (13.3)
M3	224 (300)	2500	57.4 (15.2)
M4	246 (330)	2600	63.9 (16.9)

Metric hp = Brake hp x 1.01387

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

- Cooler and quieter environment for vessel and crew

### Replaceable Wet-type Cylinder Liners

- 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

- Excellent vessel control and maneuvering
- Lower rated rpm limits vibration and noise

### 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

**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.*