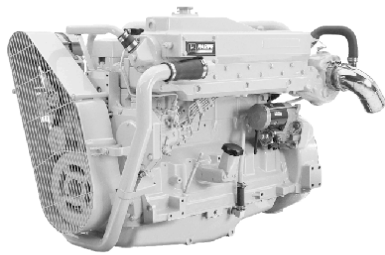


# PowerTech™

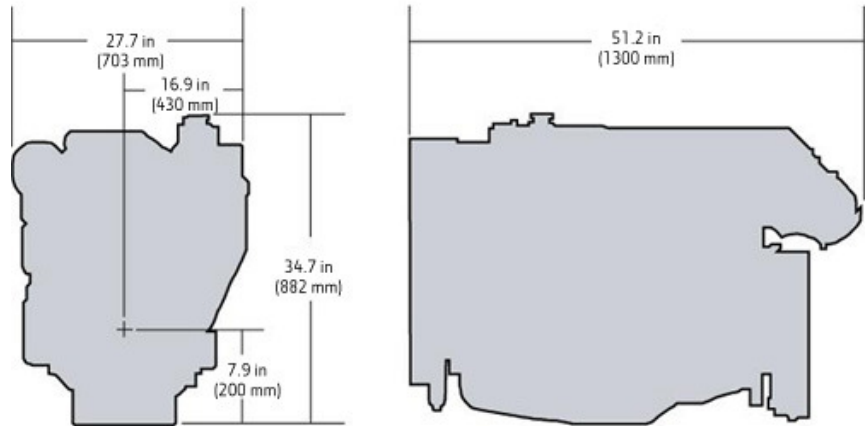
## 6068TFM50 Diesel Engine

Marine Generator Drive Engine Specifications



6068TFM50 shown

### Dimensions



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

### Emissions

IMO MARPOL Annex VI Tier II Compliant

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

Model	6068TFM50	Length maximum - mm (in)	1300 (51.2)
Number of cylinders	6	Height-- mm (in)	882 (34.7)
Displacement - L (cu in)	6.8 (415)	Weight, dry - kg (lb)	730 (1609)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)		
Engine Type	In-line, 4- Cycle		
Aspiration	Turbocharged		

### Classification Societies

CRS, DNV-GL, RINA

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

### 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

#### 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 or Keel Cooled

- High-capacity heat exchanger designed for reliable operation in adverse conditions
- Integrated expansion tank, heat exchanger and exhaust manifold reduce chances of leaks
- Keel cooler options provide application flexibility

#### 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

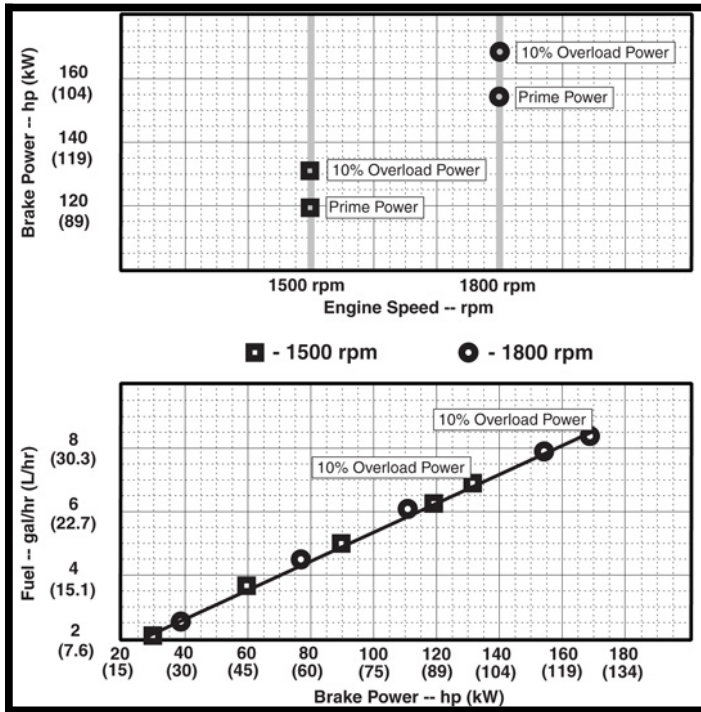
#### Fuel System

- Proven and reliable Mechanical Governor

Photographs may show non-standard equipment.

## Performance Curves

50 and 60 Hz (1500 and 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	89	119	0.8	78-82	98-102
60 (1800)	88-92	115	154	0.8	99-106	124-132

\*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.