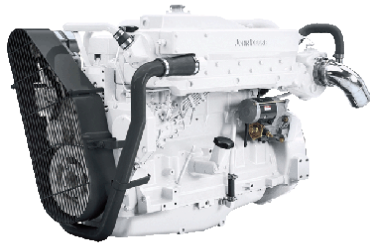


PowerTech™

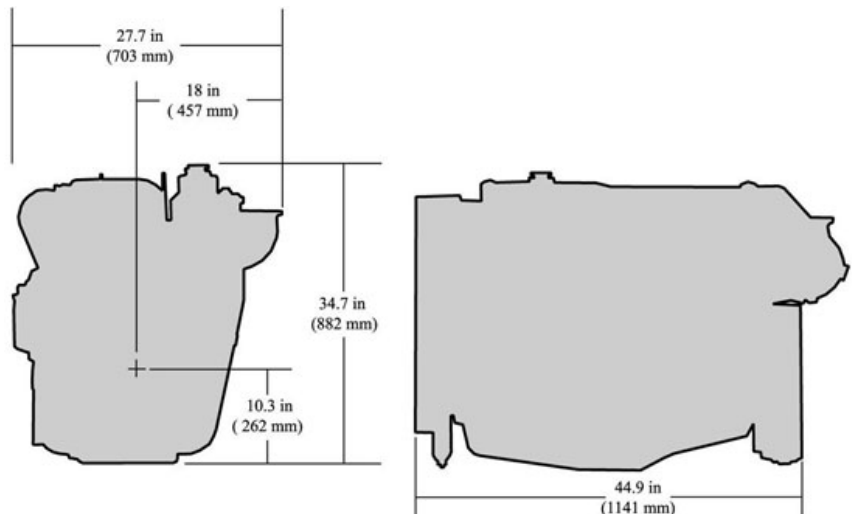
6068TFM76 Diesel Engine

Marine Generator Drive Engine Specifications



6068TFM76 shown

Dimensions



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

Emissions

EPA Commercial Marine
IMO Exempt

General Data (Based on Standard Option Configuration)

Model	6068TFM76	Length maximum - mm (in)	1141 (44.9)
Number of cylinders	6	Height - mm (in)	882 (34.7)
Displacement - L (cu in)	6.8 (415)	Height, crankshaft centerline to top - mm (in)	620 (24.4)
Bore and Stroke-- mm (in)	107 x 127 (4.21 x 5.00)	Height, crankshaft centerline to bottom - mm (in)	262 (10.3)
Engine Type	In-line, 4- Cycle	Weight, dry - kg (lb)	730 (1609)
Aspiration	Turbocharged		

Classification Societies

BV,CRS,DNV-GL,LR,PRS

*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

- 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

Heat Exchanger or Keel Cooled

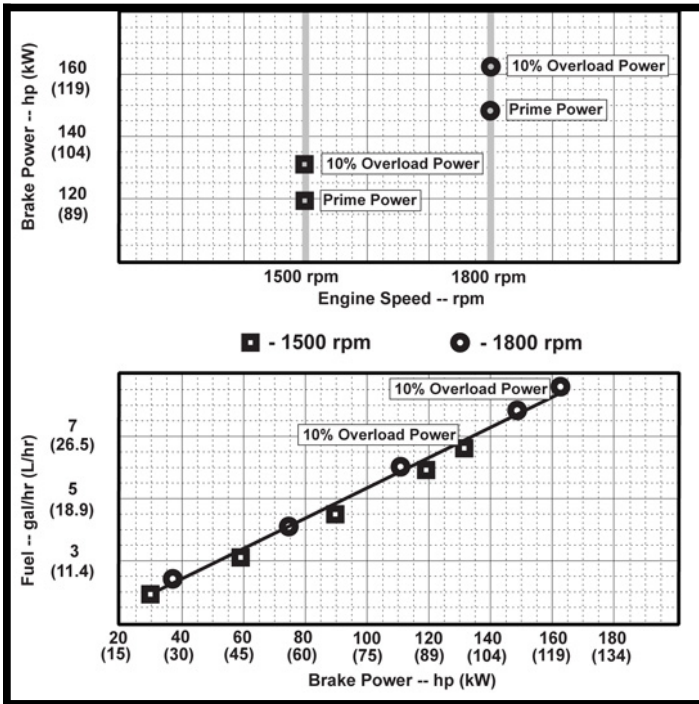
- Integrated expansion tank, heat exchanger and exhaust manifold reduce chances of leaks
- Keel cooler or heat exchanger options provide application flexibility

Fuel System

- Electronically controlled rotary fuel injection pump with variable timing resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection

Performance Curves

50Hz 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	98-103
60 (1800)	88-92	110	148	0.8	97-101	121-126

*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.