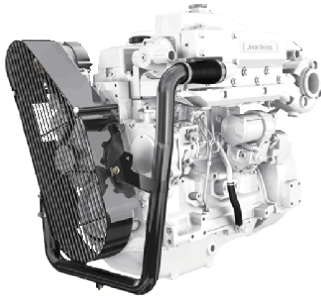


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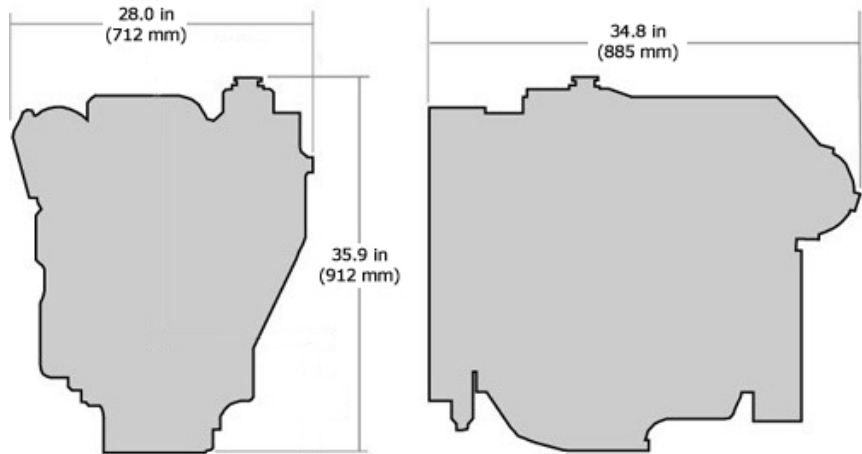
4045TFM75 Diesel Engine

Marine Propulsion Engine Specifications



4045TFM75 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	4045TFM75	Length maximum - mm (in)	885 (34.8)
Number of cylinders	4	Height - mm (in)	912 (35.9)
Displacement - L (cu in)	4.5 (275)	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)	292 (11.5)
Engine Type	In-line, 4- Cycle	Weight, dry - kg (lb)	462 (1019)
Aspiration	Turbocharged		

Classification Societies

CCS, CRS, DNV-GL, 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	80 (107)	2400	22.1 (5.8)
M2	90 (121)	2500	25.4 (6.7)
M3	101 (135)	2600	29.4 (7.8)

Metric hp = Brake hp x 1.01387

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

Either-side Service

- Oil fill and dipstick combinations
- Remote oil filter for easier service access

- Heat Exchange or Keel Cooled

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

High Torque and Low Rated RPM

- Excellent vessel control and maneuvering
- Lower rated rpm limits vibration and noise for better crew comfort

Corrosion Resistant Components

- Provides engine protection from the effects of seawater

Internal Balancers

- Low noise and vibration for crew comfort

Fuel System

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