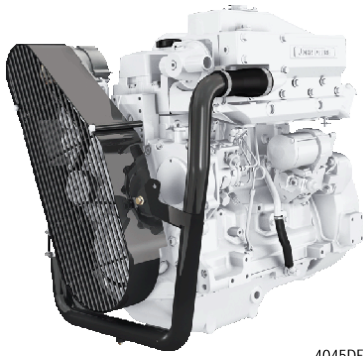


PowerTech™

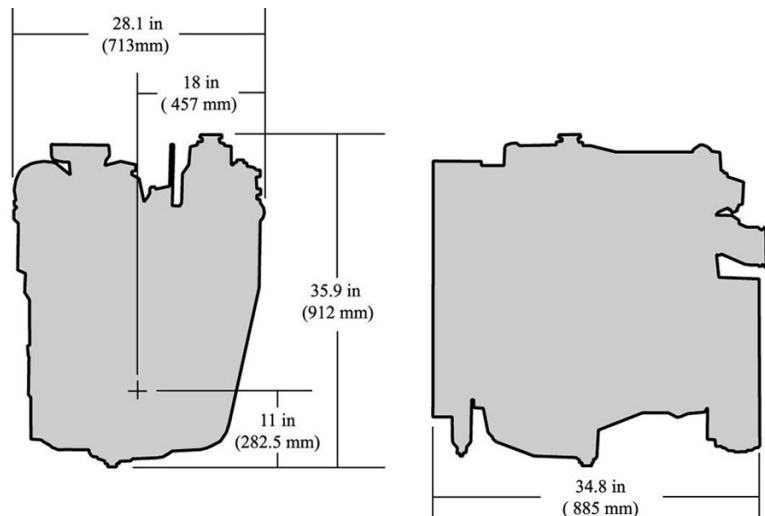
4045DFM70 Diesel Engine

Marine Propulsion Engine Specifications



4045DFM70 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	4045DFM70	Length maximum - mm (in)	885 (34.8)
Number of cylinders	4	Height-- mm (in)	912 (35.9)
Displacement - L (cu in)	4.5 (275)	Weight, dry - kg (lb)	437 (963)
Bore and Stroke-- mm (in)	107 x 127 (4.21 x 5.00)		
Engine Type	In-line, 4- Cycle		
Aspiration	Naturally aspirated		

Classification Societies

BV, CCS, CRS, DNV-GL, PRS

*Engine Specifications available. Contact your distributor for details.

Performance ratings	Power kW (bhp)	Rated Speed (rpm)	Rated fuel consumption L/hr (gal/hr)
M2	60 (82)	2500	17.5 (4.6)

Metric hp = Brake hp x 1.01387

M rating

M2

Typical load factor	< =65%
Typical annual usage (hr)	3,000-5,000 hr
Typical full-power operation (hr)	16 of each 24 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

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

Internal Balancers

- Low noise and vibration for crew comfort

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