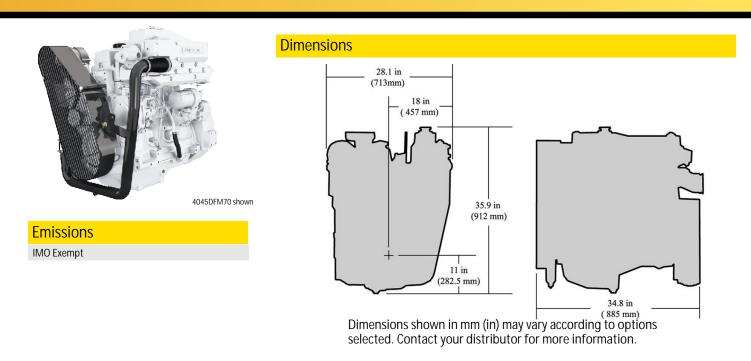
# PowerTech <sup>™</sup> 4045DFM70 Diesel Engine



Marine Propulsion Engine Specifications



Naturally aspirated

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			

#### **Classification Societies**

BV,CCS,CRS,DNV-GL,PRS

Aspiration

\*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)
M2	60 (82)	2500	17.5 (4.6)
Metric hp = Brake hp x 1.0	1387		

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

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 Orléans-Saran Unit 1, rue John Deere – B.P. 11013 45401 Fleury les Aubrais Cedex France Phone: 33.2.38.82.61.19 Fax: 33.2.38.84.62.66 All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.