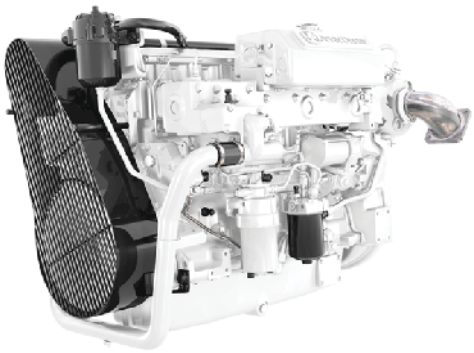
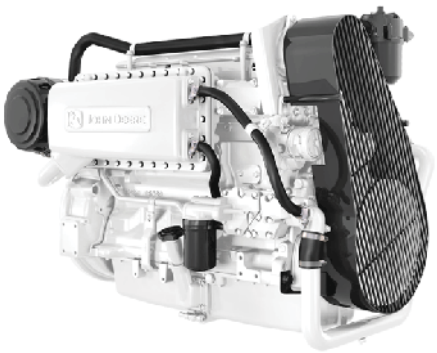
JOHN DEERE

PowerTech™

6068AFM75 Marine Engine

Propulsion Specifications





6068AFM shown

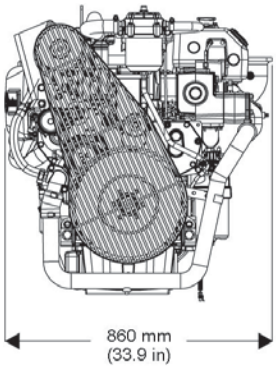
General Data

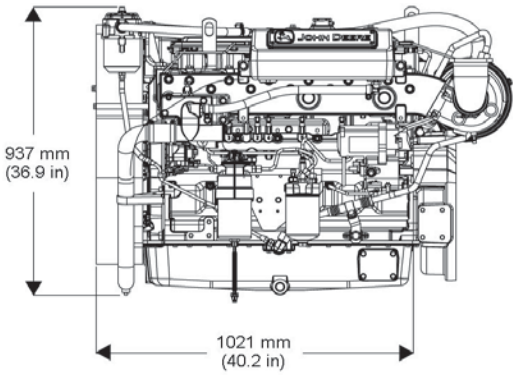
Model	6068AFM75
Number of cylinders	6
Displacement-- L (cu in)	6.8 (415)
Bore and Stroke-- mm (in)	106.5 x 127 (4.19 x 5.00)
Compression Ratio	16.7 : 1
Engine Type	In-line, 4-Cycle
Aspiration	Aftercooled
Length-- mm (in)	1021 (40.2)
Width-- mm (in)	860 (33.9)
Height, Centerline to Top-- mm. (in)	645 (25.4)
Height, Centerline to Bottom-- mm. (in)	292 (11.5)
Weight, dry-- kg (lb)	812 (1790)
Maximum Installed Angle	
Front Up - degrees	9
Front Down - degrees	0

Certifications

- IMO MARPOL Annex VI
- US EPA Marine Tier 2 Compliant
- IWT (2004/26/EC)
- RCD (2003/44/EC)

Dimensions





Features and Benefits

High-Pressure Common Rail Fuel System
- Variable injection pressure and timing control

4-valve Cylinder Head
- New cylinder head with 4-valve design provides increased air flow resulting in higher low speed toque and better transient response time

John Deere Electronic Controls
- Built in controls eliminates the need for costly add on engine warning systems and associated components stored for later retrieval and ease of diagnostics
- Built in engine synchronization feature

Watercooled Turbocharger and Exhaust Manifold
- Cooler and quieter environment for vessel and crew
- Reduced external connection eliminates hoses an 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

High Torque and Low Rated RPM
- Excellent vessel control and maneuvering
- Lower rated rpm limits vibration and noise

Cooling System
- High-capacity heat exchanger designed for reliable operation in adverse conditions
- Available as keel cooled

Corrosion Resistant Components
- Provides engine protection from the effects of seawater

Centered, Vertical Injectors
- Engines burn cleaner, resulting in lower emission and improved fuel economy with the aid of vertical injectors

High Power Density
- High power density offers more power in a smaller package

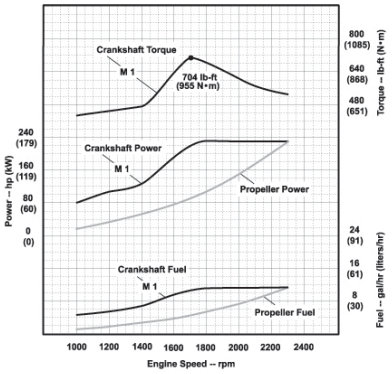
Additional Features
- Either side service
- Optional auxiliary drive

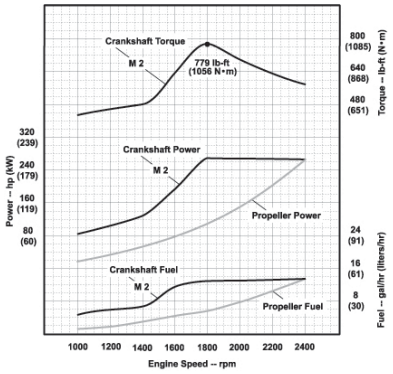
Applications
- Generator drive engines, propulsion, and auxiliary

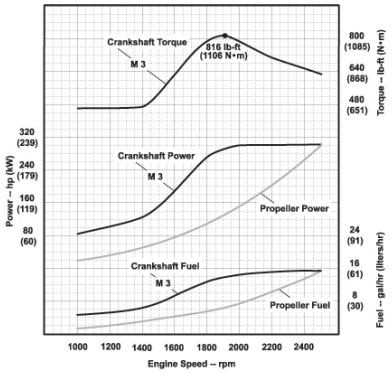
Photographs may show non-standard equipment.

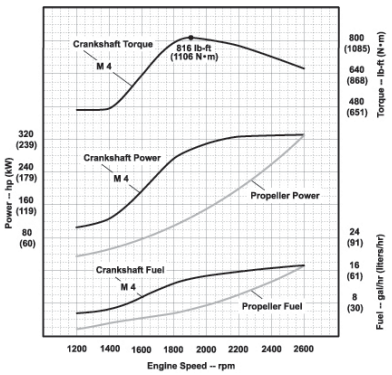
Propulsion Specifications

Performance curve









Performance data	M4	M3	M2	M1
Rated Power - kW (hp)	246 (330)	224 (300)	198 (266)	172 (231)
Rated Speed - rpm	2600	2500	2400	2300
Low Idle Speed - rpm	600	600	600	600
Peak Torque - Nm (ft-lb)	1106 (816)	1106 (816)	1056 (779)	955 (704)
Peak Torque Speed - rpm	1900	1900	1800	1700
Fuel Consumption - L/h (gal/hr)	65.2 (17.2)	57.9 (15.3)	51.2 (13.5)	43.6 (11.5)

M rating	M4	M3	M2	M1
Typical load factor	≤ 40 %	≤ 50 %	≤ 65 %	> 65 %
Typical annual usage (hr)	≤ 800	≤ 2000	≤ 3000	> 3000
Typical full-power operation (hr)	1 of each 12	4 of each 12	16 of each 24	24 Uninterrupted

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Preliminary Information
All values at rated speed and power with standard options unless otherwise noted.
Specifications and design subject to change without notice.