

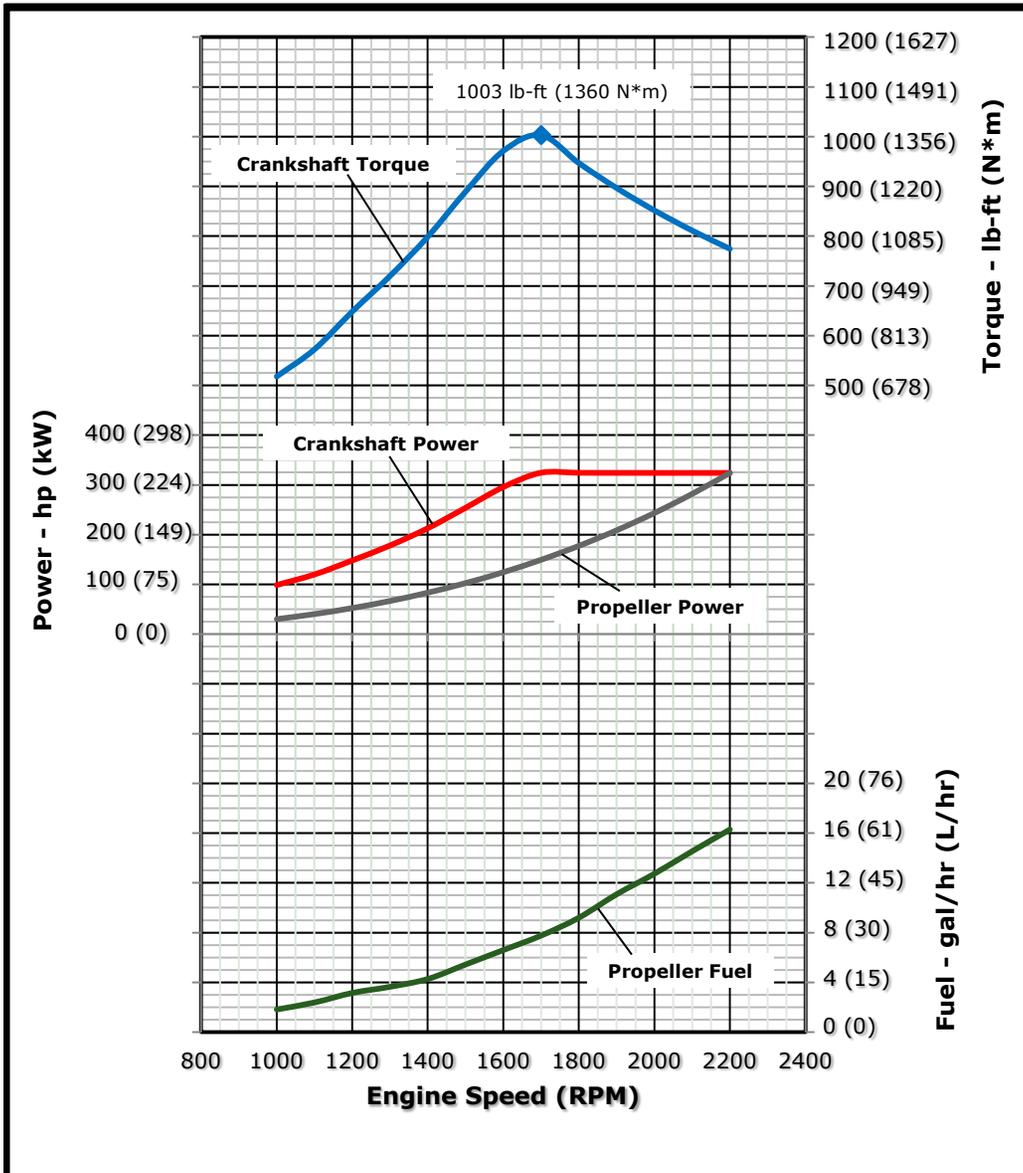


JOHN DEERE

ENGINE PERFORMANCE CURVE

Rating: M2 - 325 (242 kW) @ 2200 RPM
Application: Marine

PowerTech™ 9.0L Engine
Model: 6090AFM75
325 hp @ 2200 RPM
242 kW @ 2200 RPM
See Option Code Table



REFERENCE CONDITIONS

Air Intake Restriction.....12 in.H₂O (3 kPa)
Exhaust Back Pressure..... 30 in.H₂O (7.5 kPa)

Rated speed and power
Gross power guaranteed within ±5% at SAE J1995 and ISO 3046
J1995 and ISO 3046 conditions:
77 °F (25 °C) air inlet temperature
29.31 in.Hg (99 kPa) barometric pressure
104 °F (40 °C) fuel inlet temperature
0.853 fuel specific gravity @ 60 °F (15.5 °C)

Ambient air temperature is defined to be the temperature of ambient air close to operating vessel that is not influenced in any manner by operating characteristics of the vessel (free field temp).

Conversion factors:
Power: kW = hp x 0.746
Fuel: 1 gal = 7.1 lb, 1 L = 0.85 kg
Torque: N·m = lb-ft x 1.356

All values from currently available data. Subject to manufacturing and measurement variations and to change without notice.
Actual performance is subject to application and operation conditions outside of John Deere control.

Notes:

M2: The M2 rating is for marine propulsion applications that operate up to 3,000 hours per year and have load factors up to 65%. This rating is for applications that are in continuous use, and use full power for no more than 16 hours out of each 24 hours of operation. The remaining time of operation must be at cruising speeds.

Possible Applications: Short-range tugs and towboats (pool boats), long-range ferryboats, large passenger vessels, and offshore displacement hull fishing boats under 18 m (60 ft).
Marine auxiliary power engines for dedicated hydraulic pump drives, dredge pumps, or other constant-load marine applications should use the M2 rating.

Designed/Calibrated to meet:	Certified by:
<ul style="list-style-type: none"> EPA Commercial Marine Tier 2 IMO MARPOL Annex VI Compliant NRMM (97/68/EC), as amended 	
Ref: Engine Emission Label	

Performance Curve: 6090AFM75_B

All values at rated speed, power, and standard conditions, per SAE J1995 unless otherwise noted.