JOHN DEERE

PowerTech™ 6125H Diesel Engine Specifications

PERFORMANCE DATA

Rated Power

Intermittent	600 hp (448 kW) @ 2100 rpm
Continuous	500 hp (373 kW) @ 2100 rpm

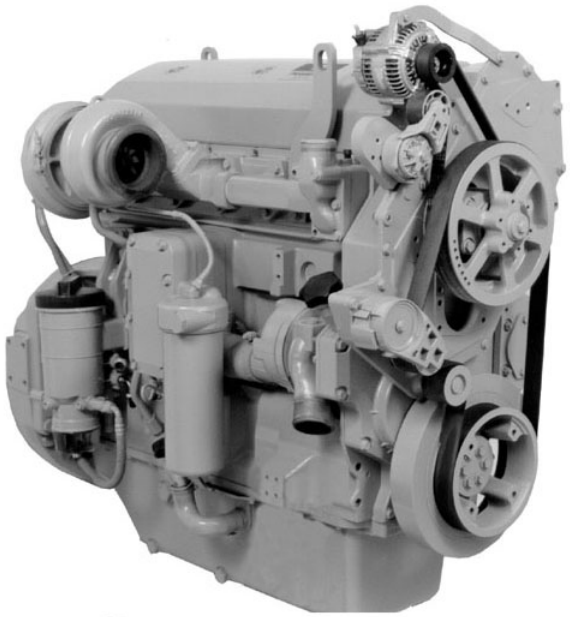
Peak Torque

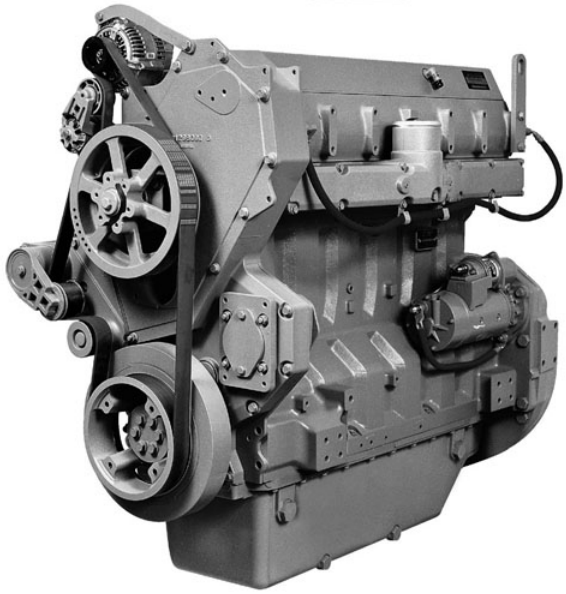
Intermittent	1878 lb-ft (2546 N.m) @ 1600 rpm

Fuel Economy

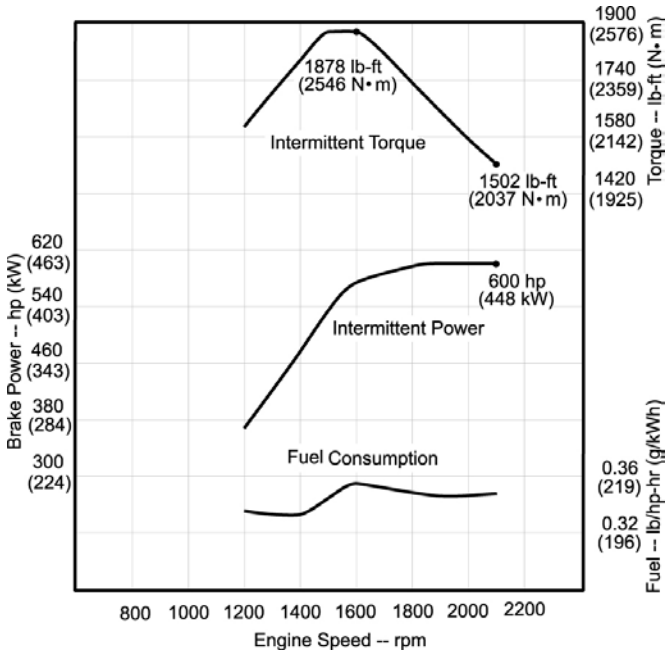
BSFC	0.348 lb/hp-hr (212 g/kWh) @ 2100 rpm

RATED BHP is the power rating for variable speed and load appliations where full power is required intermittently.
POWER OUTPUT is within + or - 5% at standard SAE J 1995 and ISO 3046
TIER 2 EMISSIONS CERTIFICATIONS: CARB; EPA, AND EU





PERFORMANCE CURVE



Preliminary data
Photographs may show non-standard equipment

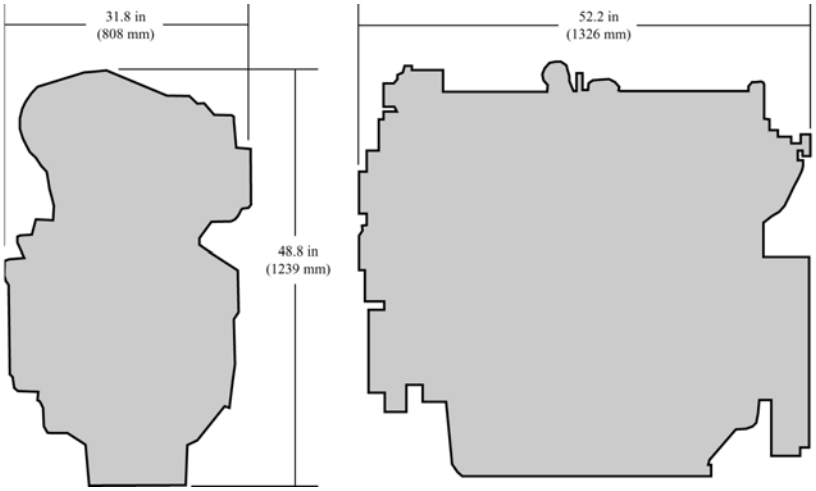
JOHN DEERE ENGINE MANUFACTURING ISO 9000 REGISTERED

PowerTech™ 6125H Diesel Engine Specifications

GENERAL DATA

Model	6125HF070
Number of Cylinders	6
Displacement - L (cu.in)	12.5 (766)
Bore and Stroke - in. (mm)	5.0 x 6.5 (127 x 165)
Compression Ratio	14.7:1
Engine Type	In-line, 4-cycle
Aspiration	Air to Air
Length - in (mm)	52.2 (1326)
Width - in (mm)	31.8 (808)
Height - in (mm)	48.8 (1239)
Weight - lb (kg)	2657 (1205)

DIMENSIONS



FEATURES AND BENEFITS

Articulated Two-Piece Piston
- Articulated two-piece piston uses high-strength steel crown to handle higher horsepower

Directed Top-Liner Cooling
- Directing coolant to upper end of liner reduces liner temperatures by up to 130 degrees F (72 degrees C), improving power cylinder durability and head gasket life, and reducing oil consumption and emissions

Air Compressors and AC Compressors
- Factory installed air compressors and AC Compressors mean low installation cost

Gear-Driven Auxiliary Drive
- Provides up to 57 kW (80 hp) to run optional equipment such as hydraulic pumps, air compressors, or steering pumps

John Deere Electronic Controls
- John Deere electronically controlled fuel systems monitor critical engine functions and either derates or shuts down (override capability provided) an engine to prevent costly engine repairs
- Built in controls eliminate the need for costly add-on engine warning/shutdown systems and associated devices
- Service diagnostics and error codes automatically stored for later retrieval, increasing machine uptime
- Performance connector part of engine wiring harness which allows for programming of multiple power curves and droop or isochronous governor regulation

SAE J1939 Standard Communication Link
- Industry standard, which provides an interface with vehicle systems, like the transmission, hydraulics and various accessory drives minimizing machine complexity and reducing the installed cost

Self-Adjusting, Poly-vee Accessory and Fan Drives
- Self-adjusting, twelve-groove, poly-vee fan drive provides multiple fan drive ratios and fan heights that can be matched to specific application requirements
- Poly-vee design provides more than twice the drive capacity of comparable vee-belts

Optional Rear PTO
- Rear PTO is an integral part of the flywheel housing and provides a means for driving medium/large hydraulic pump(s), and air compressors
- Available in SAE #1 configuration for dry or wet applications
- 1.3:1 output ratio allows the use of smaller, higher speed hydraulic pumps
- Gear train, pump drives, and flanged output drive are capable of up to 300 hp/224 kW (750 ft-lbs/1018 N.m torque) on an intermittent basis
- Right-hand side pad standard with optional left-hand side pad
- Standard SAE "C" and optional "B", "D" mounting pads and flange output drives

Specifications and design subject to change without notice

JOHN DEERE

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