



JOHN DEERE

PowerTech™ 5030H Diesel Engine Specifications

PERFORMANCE DATA

Rated Power

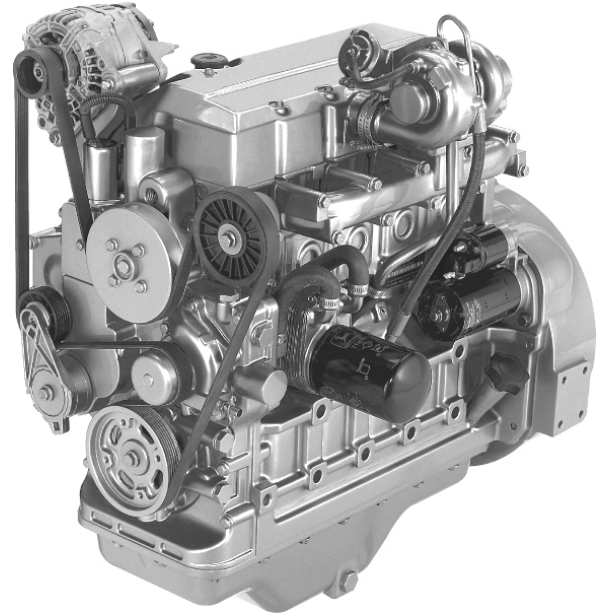
Intermittent 99 hp (74 kW) @ 2800 rpm
 Continuous 84 hp (62.9 kW) @ 2800 rpm

Peak Torque

Intermittent 253 lb-ft (343 N.m) @ 1400 rpm

Fuel Economy

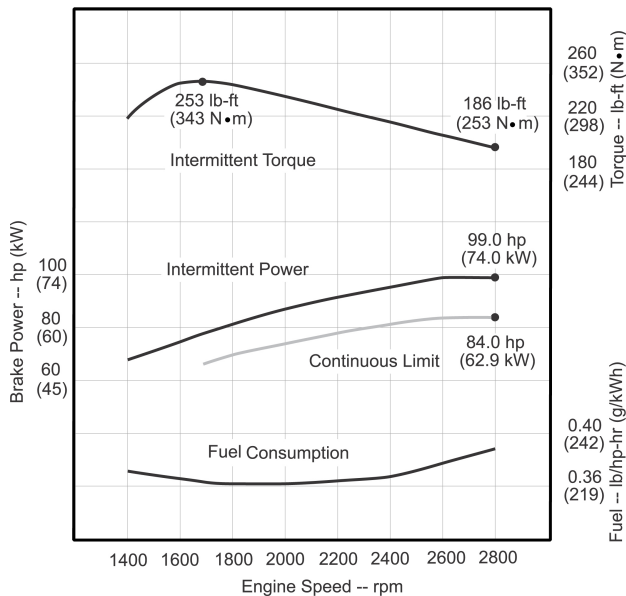
BSFC 0.391 lb/hp-hr (238 g/kWh) @ 2800 rpm



RATED BHP is the power rating for variable speed and load applications where full power is required intermittently.
 CONTINUOUS BHP is the power rating for applications operating under a constant load and speed for long periods of time.
 HEAVY DUTY - see application ratings/definitions, engine performance curves.
 POWER OUTPUT is within + or - 5% at standard SAE J 1995 and ISO 3046.

TIER 2 EMISSION CERTIFICATIONS: CARB, EPA, and EU

PERFORMANCE CURVE



Photographs may show non-standard equipment

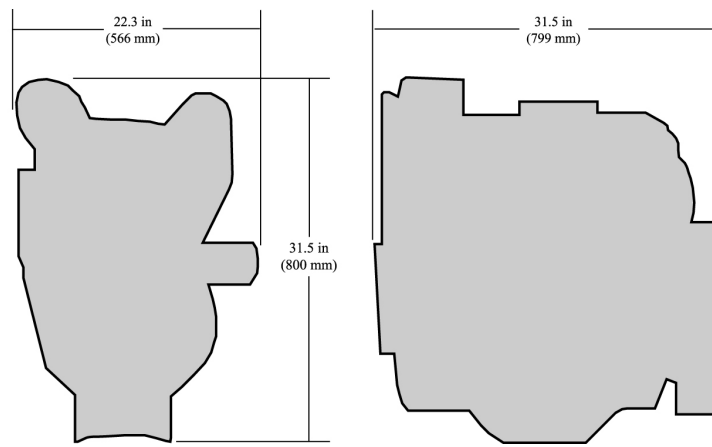


PowerTech™ 5030H Diesel Engine Specifications

GENERAL DATA

Model	5030HF270	Aspiration	Turbocharged
Number of Cylinders	5	Length--in. (mm)	31.5 (799)
Displacement--L (cu.in)	186 (3.05)	Width--in. (mm)	22.3 (566)
Bore and Stroke--in. (mm)	3.4 x 4.1 (86 x 105)	Height--in. (mm)	31.5 (800)
Compression Ratio	18.2: 1	Weight, dry--lb (kg)	633 (287)
Engine Type	In-line, 4-Cycle		

DIMENSIONS



FEATURES AND BENEFITS

Optimized Gear Train

- Front gear train of two high-contact-ratio gears mounted to the block
- Impressive low noise characteristics

Poly-vee Front Drive

- Automatic belt-tensioner and 6 rib poly-vee drive belt minimize maintenance and increase belt durability

Independent Fan Drive

- Fan drive operates independently of water pump and is available in two heights to adapt to enclosures
- Fan drive ratios above and below 1:1 are available to match specific application requirements

Hydraulic Valve Lifters

- Automatic adjustment eliminates the need for valve-lash adjustment, contributes to lower noise levels in the valve train
- Lowers operating costs

Multiple-Function Component Integration

- Timing gear cover includes water pump housing, oil pump housing, governor housing, and sensors
- Rocker arm cover includes intake manifold
- Integration results in higher quality, easier service, and reliability

Independent Water Pump

- Durable cast-iron water pump resists corrosion and pitting for increased wear life

Smooth Engine Operation

- Offers smooth engine operation without balancing
- Decreased vibration reduces operator fatigue and need for instrument and control isolation

Starting Aids

- Quick acting glow plugs are standard equipment and provide exceptional cold weather starting at temperatures as low as -15 degrees Fahrenheit
- Optional block heater is available

Innovative Fuel System

- Contributes to cost effectiveness and clean design
- Mechanically governed unit pumps mounted inside the block eliminate external high-pressure lines, minimize leak paths and reduce noise level

Specifications and design subject to change without notice



John Deere Power Systems
3801 W. Ridgeway Ave.
PO Box 5100
Waterloo, IA 50704-5100
Phone (800) 533-6446
Fax (319) 292-5075

John Deere Power Systems
Usine de Saran
B.P. 11013
F-45401 Fleury les Aubrais Cedex
France
Phone (33) 2 38 82 61 19
Fax (33) 2 38 82 60 00