



# JOHN DEERE

## PowerTech™ **6068H** Diesel Engine Specifications

### PERFORMANCE DATA

#### Rated Power

Intermittent	185 hp (138 kW) @ 2400 rpm
Continuous	166 hp (124 kW) @ 2400 rpm

#### Peak Torque

Intermittent	527 lb-ft (714 N.m) @ 1400 rpm
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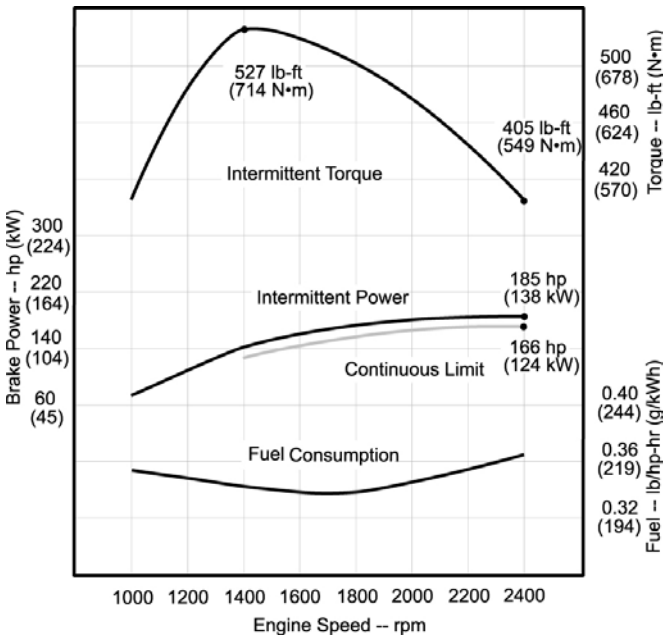
#### Fuel Economy

BSFC	0.363 lb/hp-hr (221 g/kWh) @ 2400 rpm
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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.  
 POWER OUTPUT is within + or - 5% at standard SAE J 1995 and ISO 3046.  
 TIER 2 EMISSIONS CERTIFICATIONS: CARB, EPA, and EU.



### PERFORMANCE CURVE



Tier 2 4-Valve engines shown  
 Photographs may show non-standard equipment

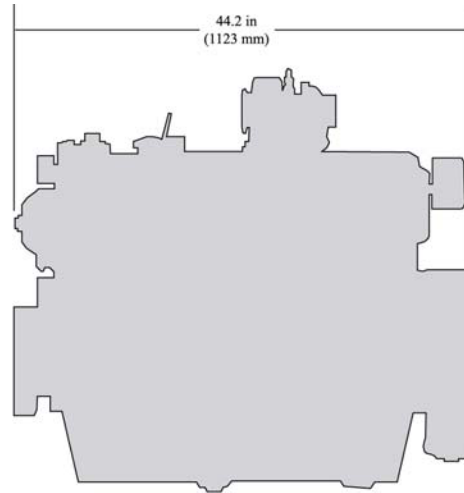
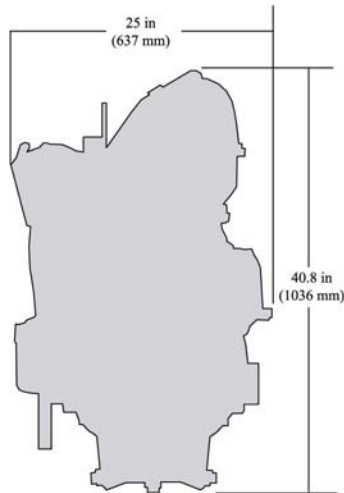


**PowerTech™**  
**6068H Diesel Engine**  
**Specifications**

**GENERAL DATA**

Model	6068HF275	Aspiration	Air to Air
Number of Cylinders	6	Length - in. (mm)	44.2 (1123)
Displacement - L (cu.in)	6.8 (414)	Width - in. (mm)	25 (637)
Bore and Stroke - in. (mm)	4.19 x 5.0 (106 x 127)	Height - in. (mm)	40.8 (1036)
Compression Ratio	17.0:1	Weight - lb. (kg)	1294 (587)
Engine Type	In-line, 4-Cycle		

**DIMENSIONS**



**FEATURES AND BENEFITS**

**Dynamically Balanced Crankshaft**

- Crankshafts are machined from a heat-treated, high carbon steel forging

**Forged-Steel Connecting Rods**

- Unique 45-degree design permits the use of larger crankshaft connecting-rod bearings for increased durability

**Self-adjusting Poly-vee Fan Drive**

- Self-adjusting, eight-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

**Replaceable Wet-Type Cylinder Liners**

- Provides excellent heat dissipation
- Precision machined for long life

**Either-Side Service**

- Engine installation and maintenance simplified and convenient by providing dipstick and oil filter options on both sides of the engine

**500-Hour Oil Change**

- Customers save significant costs on oil, filters, and labor with a 500-hour oil change interval

**Standard Gear Auxiliary Drive**

- Standard gear auxiliary drive produces up to 50 hp (37 kW) for gear-driven accessories

**Mounting Points**

- Standard front and side mounting points provide easy installation and application flexibility

**Electronic-Controlled Rotary Injection Pump**

- Electronic-controlled rotary injection pump distributes the precise amount of fuel required by each cylinder at exactly the right time
- Electronic controls monitor engine speed and load to determine fuel timing

*Specifications and design subject to change without notice*



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