PowerTech 6068T Diesel Engine

Industrial Engine Specifications

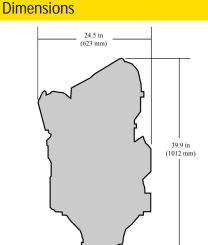


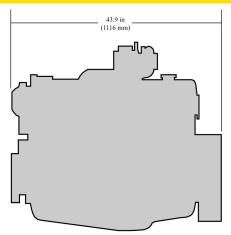


6068T shown

Certifications

EPA Tier 1





General data

Model	6068TF150
Number of cylinders	6
Displacement - L (cu in)	6.8 (415)
Bore and Stroke mm (in)	106 x 127 (4.17 x 5.00)
Compression Ratio	17.0:1
Engine Type	In-line, 4-Cycle

Intermittent BHP is the power rating for variable speed and load applications where full power is required intermittently.

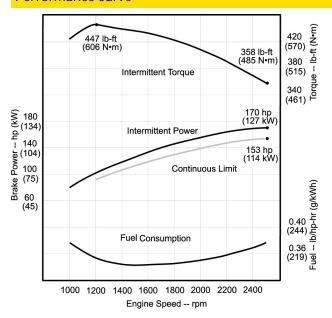
Heavy duty - see application ratings/definitions, engine performance curves.

Aspiration	Turbocharged
Length - mm (in)	1116 (43.9)
Width - mm (in)	623 (24.5)
Height mm (in)	1012 (39.8)
Weight, dry kg (lb)	551 (1215)

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.

Performance curve



Performance data	
Intermittent rated speed	127 kW (170 hp) @ 2500 rpm
Peak power	127 kW (170 hp) @ 2500 rpm
Peak torque	606 N.m (447 ft-lb) @ 1200 rpm
Torque rise %	25% @ 1200 rpm

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 connectingrod 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

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

John Deere Power Systems

3801 W. Ridgeway Ave. PO Box 5100 Waterloo, IA 50704-5100 Phone: 1-800-533-6446 Fax: 319.292.5075 John Deere Power Systems Usine de Saran

La Foulonnerie - B.P. 11.13 45401 Fleury les Aubrais Cedex France

Phone: 33.2.38.82.61.19 Fax: 33.2.38.82.60.00 All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.