

PowerTech™ **6068H** Diesel Engine for Generator Set Applications

RATINGS

Prime Power at 1800 rpm (60 Hz) 286 hp (213 kW)
Standby Power at 1800 rpm (60 Hz) 314 hp (234 kW)

PRIME POWER is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J 1995.

STANDBY POWER is the nominal engine power available at varying load factors for up to 500 hours per year. This rating conforms to ISO 3046 and SAE J 1995. The calculated generator set rating range for standby applications is based on minimum engine power (nominal -5%) to provide 100% meet-or-exceed performance for assembled standby generator sets.

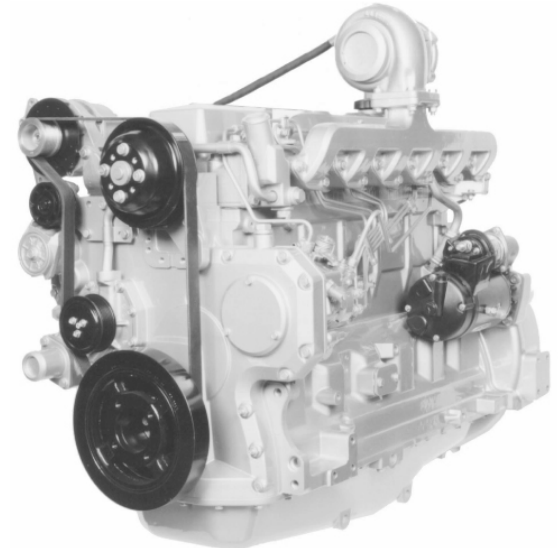
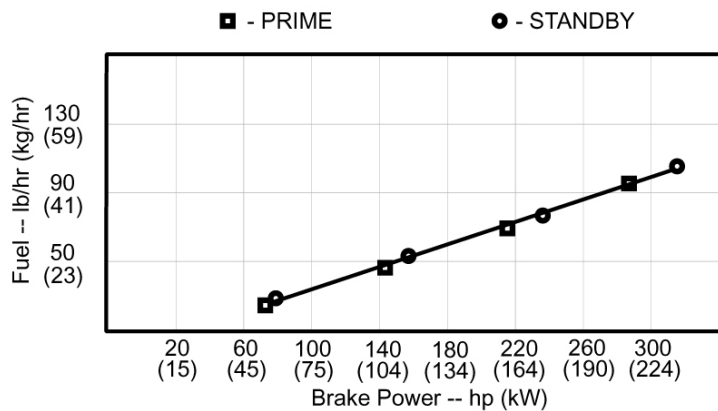
TIER 2 EMISSION CERTIFICATIONS: CARB and EPA

PERFORMANCE DATA

RPM (Hz)	Generator Efficiency %	Fan Power		Power Factor	Calculated Gen Set output			
		hp	kW		Prime		Standby	
					kWe	kVa	kWe	kVa
1800 (60)	88-92	15.7	11.7	0.8	177-185	221-231	196-205	245-256



POWER AT 1800 RPM (60 Hz)



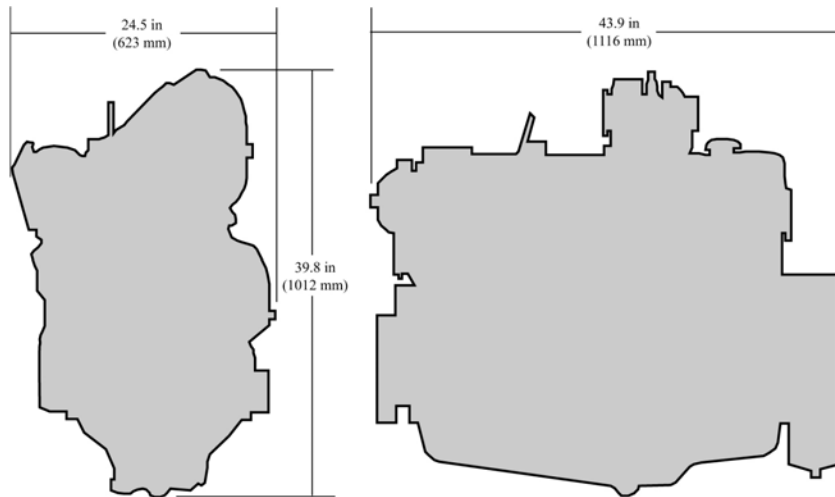
*Tier 1 engine shown
Photographs may show non-standard equipment*

PowerTech™
6068H Diesel Engine
for Generator Set Applications

GENERAL DATA

Model	6068H	Aspiration	Turbocharged
Number of Cylinders	6	Charge Air Cooling System	Air-to-Air
Displacement - L (cu.in)	6.8 (415)	Length - in. (mm)	43.9 (1116)
Bore and Stroke - in. (mm)	4.19 x 5.00 (106 x 127)	Width - in. (mm)	24.5 (623)
Compression Ratio	17.0:1	Height - in. (mm)	39.8 (1012)
Engine Type	In-line, 4-Cycle	Weight - lb (kg)	1290 (587)

DIMENSIONS



FEATURES AND BENEFITS

Dynamically Balanced Crankshaft

- Induction-hardened for long hours of reliable service
- Robust design to drive machinery from the front of the crankshaft
- Supported by seven main bearings

Forged-Steel Connecting Rods

- 45-degree connecting rod/cap-joint design allows the use of large connecting rod bearings for increased durability

Replaceable Wet-Type Cylinder Liners

- Provide excellent heat dissipation
- Precision machined for long life
- Rebuild to original specifications

Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installations
- Standard auxiliary drive rated to 50 HP - intermittent for powering ancillary equipment
- Either side service for filters and service points facilitates packaging
- All connection points in common locations make it easy to install or package

4 Valves per Cylinder

- 4 valves per cylinder and improved cylinder head flow for excellent performance, more horsepower capability and better fuel economy

Compact Size

- Short length is ideal for both skid and packaged installations
- High mount or low mount turbocharger position to meet packaging requirements

World-class Performance

- Excellent fuel economy and low oil consumption

Fuel System Controls

- Electronically controlled
- High pressure common rail fuel system provides precise fuel delivery with variable timing resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- 3-5% Droop Governing
- 12V or 24V Electric Shutoff

Emissions

- EPA Tier II Certified

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
 La Foulonnerie - B.P. 11013
 45401 Fleury-les-Aubrais Cedex-France
 Phone (33) 2 38 82 61 19
 Fax (33) 2 38 82 60 00