

PowerTech™ 6068H Diesel Engine for Generator Set Applications

RATINGS

Prime Power	Standby Power
200 hp (149 kW)	220 hp (164 kW)
228 hp (170 kW)	250 hp (187 kW)
256 hp (191 kW)	282 hp (210 kW)

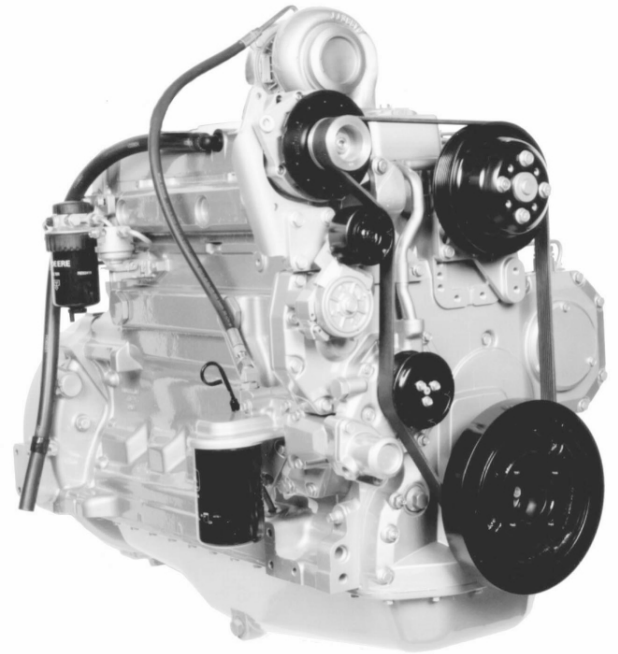
PRIME POWER is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO 3046 and SAE J1995.

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 J1995. 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.

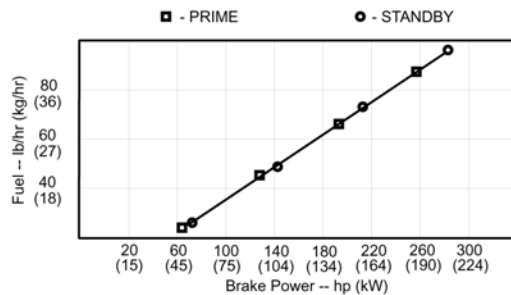
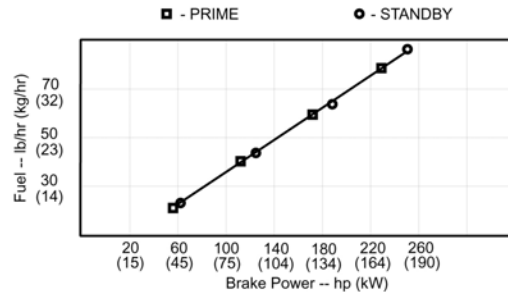
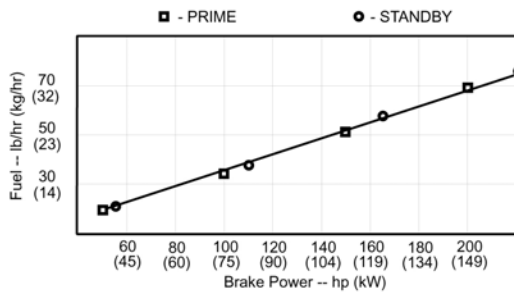
TIER 2 EMISSION CERTIFICATIONS: CARB and EPA

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	11	8.2	0.8	124-130	155-162	137-143	171-179
1800 (60)	88-92	12.5	9.4	0.8	141-148	177-185	156-163	195-204
1800 (60)	88-92	14.1	10.5	0.8	159-166	198-207	176-184	219-229



POWER AT 1800 RPM (60 Hz)



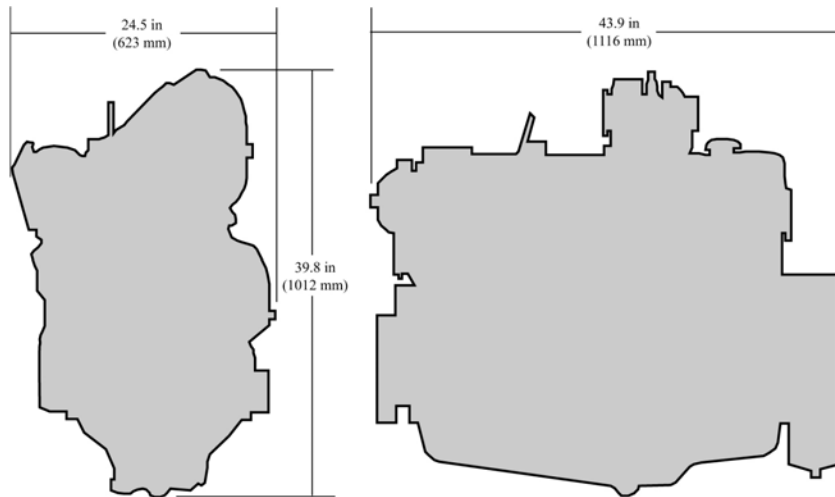
Tier 1 engine shown
Photographs may show non-standard equipment

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)	39.9 (1012)
Engine Type	In-line, 4-Cycle	Weight - lb. (kg)	1290 (587)

DIMENSIONS



FEATURES AND BENEFITS

Dynamically Balanced Crankshaft

- Induction-hardened journals 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

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 rotary fuel injection pump 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



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