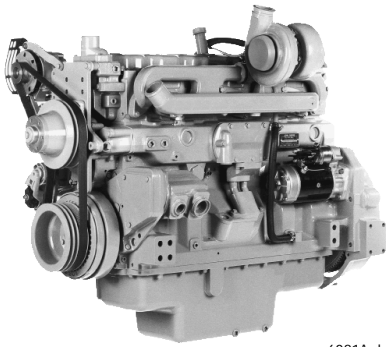


# PowerTech

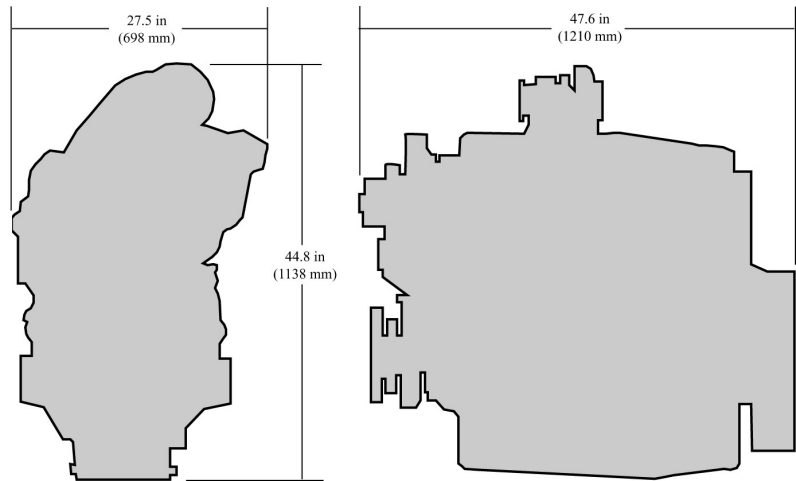
## 6081A Diesel Engine

Industrial Engine Specifications



6081A shown

### Dimensions



### Certifications

- CARB
- EPA Tier 1
- EU Stage I

### General data

Model	6081AF001
Number of cylinders	6
Displacement - L (cu in)	8.1 (494)
Bore and Stroke-- mm (in)	116 x 129 (4.57 x 5.08)
Compression Ratio	16.5:1
Engine Type	In-line, 4-Cycle

Aspiration	Turbocharged and air-to-coolant aftercooled
Length - mm (in)	1210 (47.6)
Width - mm (in)	698 (27.5)
Height-- mm (in)	1138 (44.8)
Weight, dry-- kg (lb)	796 (1755)

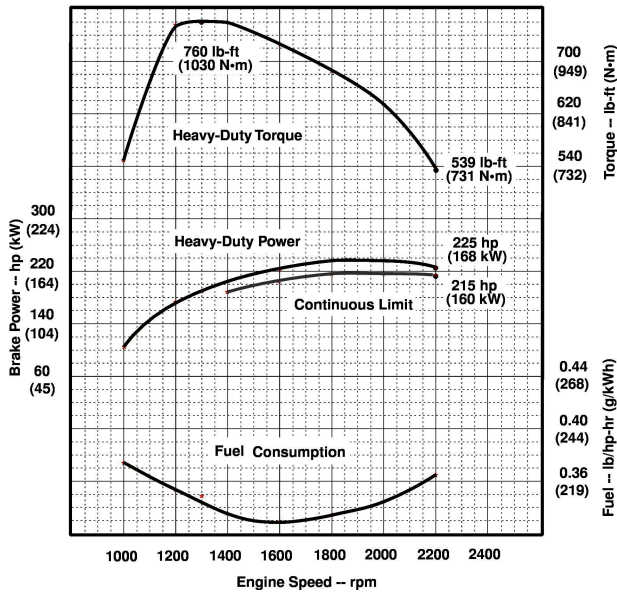
Intermittent BHP is the power rating for variable speed and load applications where full power is required intermittently.

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

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	168 kW (225 hp) @ 2200 rpm
Peak power	177 kW (237 hp) @ 2000 rpm
Peak torque	1030 N.m (760 ft-lb) @ 1300 rpm
Torque rise %	41% @ 1300 rpm

## Features and benefits

### Replaceable, Directed Top-Liner Cooling

- Reduces upper liner temperature by as much as 100 degrees Fahrenheit or 54 degrees Celsius
- Durable and reliable power cylinder components
- Hardened and precision machined for long life
- Rebuild to original specifications

### Rugged Cast Iron Engine Block

- Deep skirted design provides added strength and reduced noise

### Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installation
- Either side service for filters and service points facilitates packaging
- All connection points in common locations make it easy to install or package
- Adjustable fan drive with multiple fan ratios with automatic belt tensioner

### Compact Size

- Narrow design and low profile arrangement contribute to compact packaging
- High mount or low mount turbocharger position to meet packaging requirements

### World-class performance

- Excellent fuel economy and low oil consumption

### Fuel System Controls

- In-line fuel injection pump with resulting in excellent fuel economy and excellent performance
- Self diagnostics and protection
- 3-5% Droop Governing
- 12V or 24V Electric Shutoff

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*All values at rated speed and power with standard options unless otherwise noted. Specifications and design subject to change without notice.*