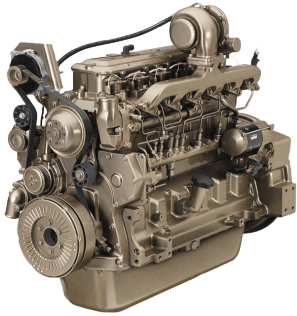


# PowerTech™

## 6068HF475 Diesel Engine

Industrial Engine Specifications



6068HF475 shown

### Engine dimensions



Dimensions may vary according to options selected. Call your distributor for more information.

### Certifications

- CARB
- EPA Tier 2
- EU Stage II

### General data

|                           |   |                       |              |
|---------------------------|---|-----------------------|--------------|
| Model                     | 6068HF475                               | Length - mm (in)      | 1161 (45.7)  |
| Number of cylinders       | 6                                       | Width - mm (in)       | 627.4 (24.7) |
| Displacement - L (cu in)  | 6.8 (415)                               | Height-- mm (in)      | 1044 (41.1)  |
| Bore and Stroke-- mm (in) | 106 x 127 (4.17 x 5.00)                 | Weight, dry-- kg (lb) | 587 (1294)   |
| Compression Ratio         | 17.0:1                                  |                       |              |
| Engine Type               | In-line, 4-Cycle                        |                       |              |
| Aspiration                | Turbocharged and air-to-air aftercooled |                       |              |

### Performance data range

|                         |                                       |
|-------------------------|---------------------------------------|
| Application ratings     | Intermittent                          |
| Rated power/Rated speed | 187-205 kW (251-275 hp) @2200-2400rpm |
| Peak power              | 187-206 kW (251-276 hp) @2200rpm      |
| Power bulge             | NA @ NA rpm                           |
| Peak torque             | 1025 N.m (756ft-lb) @1400rpm          |
| Torque rise             | NA                                    |

The Industrial Intermittent engine power rating is for applications that operate at varying loads and speeds, and do not fit the Industrial Heavy-Duty rating information.

Power output is within + or - 5% at standard SAE J 1995 and ISO 3046.

## 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

### SAE J1939 Standard Communication Link

- Industry standard, which provides an interface with vehicle systems, like the transmission, hydraulics and various accessory drives minimizing machine complexity and reducing the installed cost