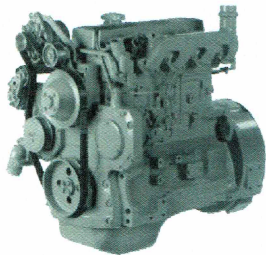


# PowerTech

## 4045D Diesel Engine

Industrial Engine Specifications

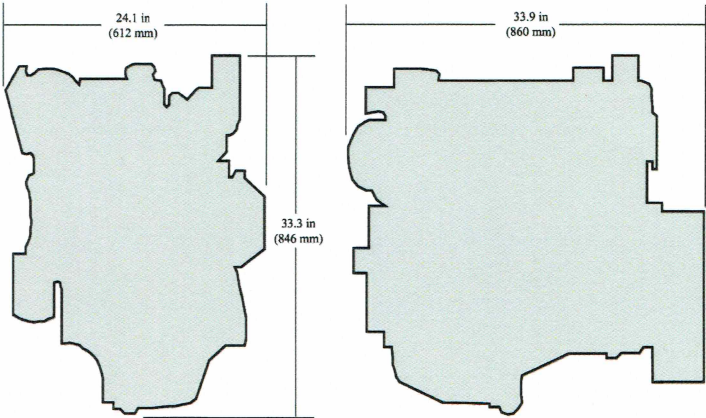


4045D shown

### Certifications

CARB  
EPA Tier 1  
EU Stage I

### Dimensions



### General data

Model	4045DF150	Aspiration	Naturally aspirated
Number of cylinders	4	Length - mm (in)	860 (33.9)
Displacement - L (cu in)	4.5 (275)	Width - mm (in)	612 (24.1)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)	Height-- mm (in)	846 (33.3)
Compression Ratio	17.6:1	Weight, dry-- kg (lb)	387 (853)
Engine Type	In-line, 4-Cycle		

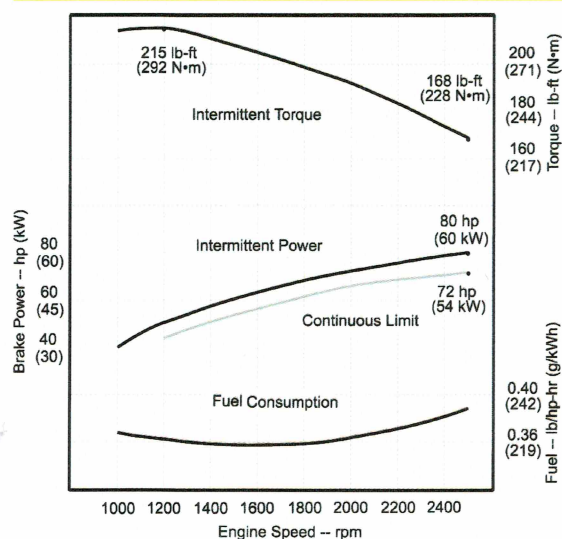
Intermittent BHP is the power rating for variable speed and load applications where full power is required intermittently.

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

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	60 kW (80 hp) @ 2500 rpm
Peak power	60 kW (80 hp) @ 2500 rpm
Peak torque	292 N.m (215 ft-lb) @ 1200 rpm
Torque rise %	27% @ 1200 rpm

## Features and benefits

### Dynamically Balanced Crankshaft

- Crankshafts are formed from nodular iron

### Forged-Steel Connecting Rods

- Unique 45-degree design permits 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

### 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

### Optional Engine-Balancer Shafts

- Provides smooth engine operation

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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.*

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