

# PowerTech™

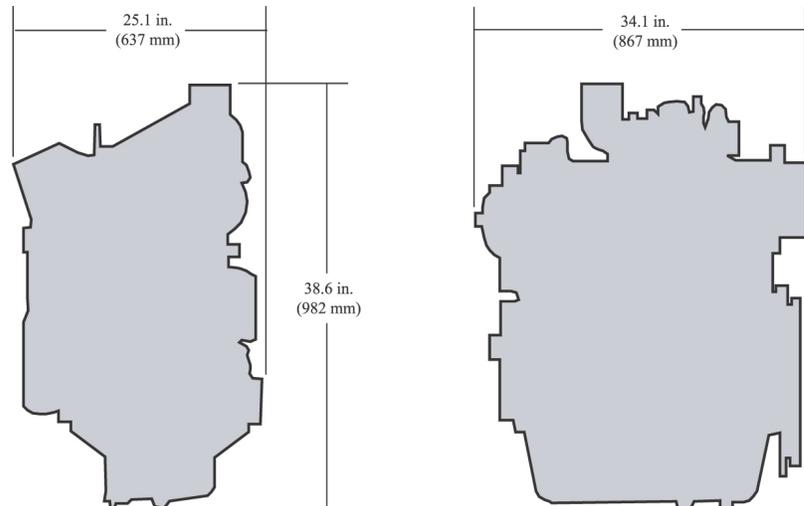
## 4045TF275 Diesel Engine

Industrial Engine Specifications



4045TF275 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	4045TF275	Length - mm (in)	867 (34.1)
Number of cylinders	4	Width - mm (in)	637 (25.1)
Displacement - L (cu in)	4.5 (275)	Height-- mm (in)	982 (38.7)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)	Weight, dry-- kg (lb)	451 (994)
Compression Ratio	17.6:1		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged		

### Performance data range

Application ratings	Intermittent
Rated power/Rated speed	82-86 kW (110-115 hp) @2400-2500rpm
Peak power	82-86 kW (110-115 hp) @2400-2500rpm
Power bulge	NA @ NA rpm
Peak torque	392-394 N.m (289-291ft-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 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

### 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

### Optional Engine-Balancer Shafts

- Provides smooth engine operation