

PowerTech

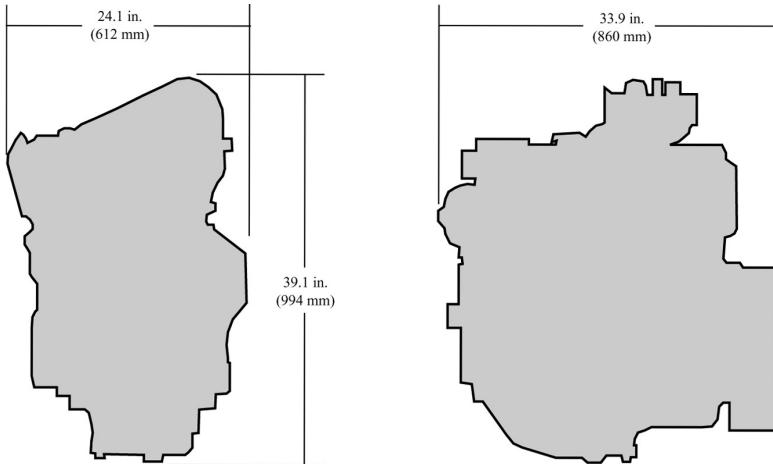
4045T Diesel Engine

Industrial Engine Specifications



4045T shown

Dimensions



Certifications

EPA Tier 1

General data

Model	4045TF250
Number of cylinders	4
Displacement - L (cu in)	4.5 (275)
Bore and Stroke-- mm (in)	106 x 127 (4.17 x 5.00)
Compression Ratio	17.0:1
Engine Type	In-line, 4-Cycle

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

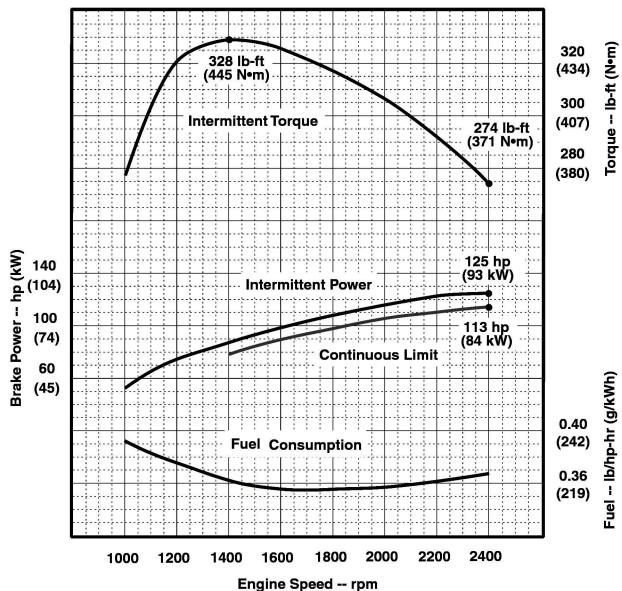
Heavy duty - see application ratings/definitions, engine performance curves.

Aspiration	Turbocharged
Length - mm (in)	860 (33.9)
Width - mm (in)	612 (24.1)
Height-- mm (in)	994 (39.1)
Weight, dry-- kg (lb)	396 (873)

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	93 kW (125 hp) @ 2400 rpm
Peak power	93 kW (125 hp) @ 2400 rpm
Peak torque	450 N.m (332 ft-lb) @ 1400 rpm
Torque rise %	22% @ 1400 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