

PowerTech™

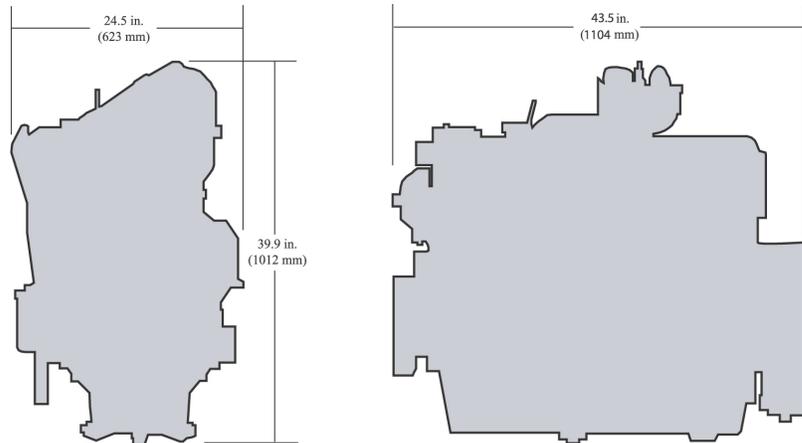
6068TF275 Diesel Engine

Industrial Engine Specifications



6068TF275 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	6068TF275	Length - mm (in)	1104 (43.5)
Number of cylinders	6	Width - mm (in)	623 (24.5)
Displacement - L (cu in)	6.8 (415)	Height-- mm (in)	1012 (39.8)
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		

Performance data range

Application ratings	Intermittent
Rated power/Rated speed	101-127 kW (135-170 hp) @2200-2500rpm
Peak power	101-127 kW (135-170 hp) @2200-2500rpm
Power bulge	NA @ NA rpm
Peak torque	554-582 N.m (409-429ft-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