

PowerTech™

3029TF120 Diesel Engine

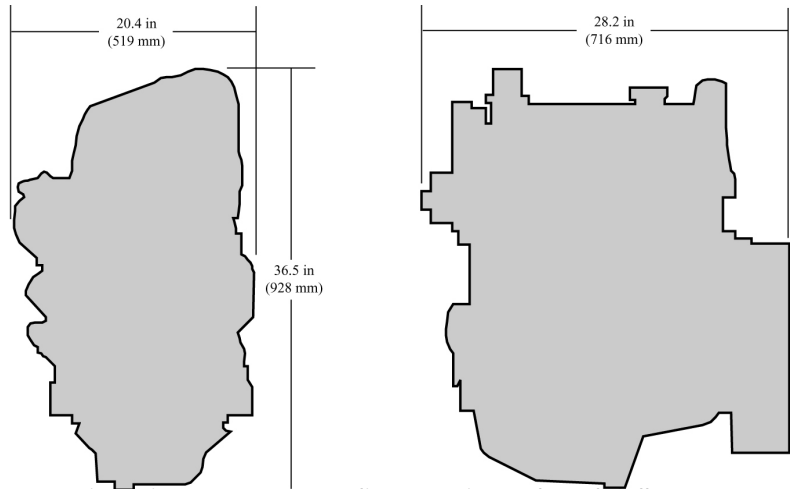
Industrial Engine Specifications



Engine dimensions



3029TF120 shown



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

Certifications

Non-Emissions Certified

General data

Model	3029TF120	Length - mm (in)	716 (28.2)
Number of cylinders	3	Width - mm (in)	519 (20.4)
Displacement - L (cu in)	2.9 (177)	Height-- mm (in)	928 (36.5)
Bore and Stroke-- mm (in)	106 x 110 (4.17 x 4.33)	Weight, dry-- kg (lb)	328 (723)
Compression Ratio	17.2:1*		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged		

Performance data range

Application ratings	Intermittent
Rated power/Rated speed	36-59 kW (48-79 hp) @2500rpm
Peak power	37-59 kW (50-79 hp) @2400-2500rpm
Power bulge	NA @ NA rpm
Peak torque	189-269 N.m (139-198ft-lb) @1000-1800rpm
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

- Journal surfaces induction-hardened for significantly increased wear life

Forged-Steel Connecting Rods

- 45-degree connecting-rod/cap-joint design allows the use of larger crankshaft-connecting-rod bearings for increased durability

Replaceable wet-type cylinder liners

- Provides excellent heat dissipation

Strong cylinder block

- Weight of cylinder block reduced, while maintaining overall strength
- Crankshaft supported by four main bearings

Easy to apply

- Mounting points for new engine have not been changed, making it easy to replace previous model
- Additional front engine mounts are available for application ease

Compact size

- Compact, in-line 3-cylinder configuration allows model to be used in applications where length is critical

Optional gear auxiliary drive

- Optional drive, with an SAE "A" flange, increases application flexibility of the 3-cylinder engine

World-class performance

- Higher torque rise, excellent fuel economy, and low oil consumption result in superior engine performance