

# PowerTech™

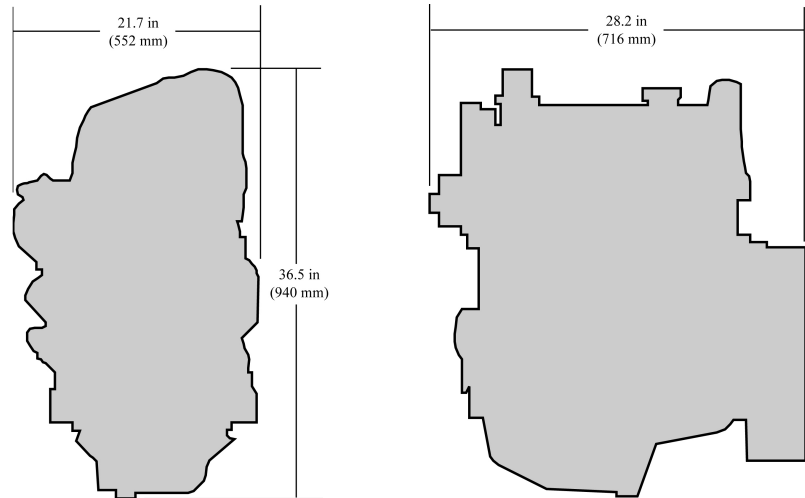
## 3029TF270 Diesel Engine

Industrial Engine Specifications



3029TF270 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	3029TF270	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	48-53 kW (64-71 hp) @2500rpm
Peak power	48-53 kW (64-71 hp) @2500rpm
Power bulge	NA @ NA rpm
Peak torque	225-245 N.m (166-181ft-lb) @1500-1600rpm
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

### Meets EPA, CARB, and EU off-road emission regulations

- Engine developed to meet off-road emission requirements without degradation in performance or power level

### 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
- Precision machined for long life

### 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 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