

# PowerTech™

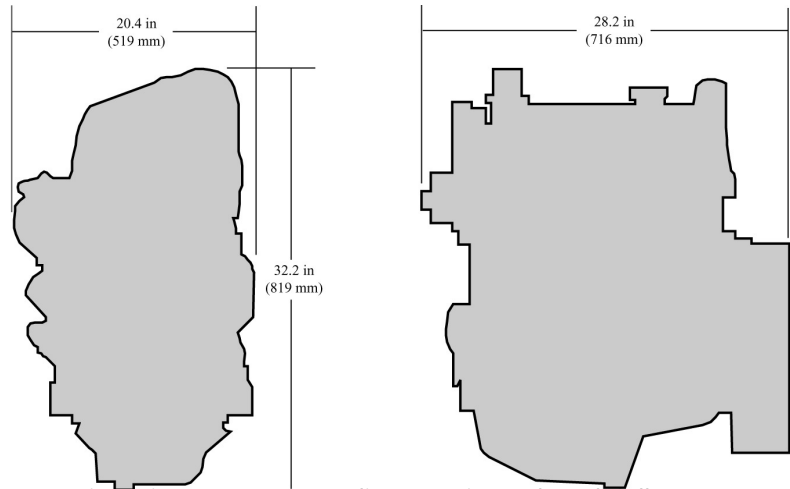
## 3029TF129 Diesel Engine

Generator Drive Engine Specifications



3029TF129 shown

### Engine dimensions



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

### Certifications

Non-Emissions Certified

### General data

Model	3029TF129	Length - mm (in) to rear of block	716 (28.2)
Number of cylinders	3	Width - mm (in)	519 (20.4)
Displacement - L (cu in)	2.9 (177)	Height-- mm (in)	819 (32.2)
Bore and Stroke-- mm (in)	106 x 110 (4.17 x 4.33)	Weight, dry-- kg (lb)	316 (697)
Compression Ratio	17.2:1		
Engine Type	In-line, 4-Cycle		
Aspiration	Turbocharged		

### Performance data range

Rated speed	Engine power					Generator efficiency	Rated fan power		Power factor	Calculated generator set output			
	Prime		Standby		kW		hp	Prime		Standby			
	kW	hp	kW	hp				kWe*		kVA	kWe	kVA	
50(1500)	38	51	42	56	88-92	2	3	0.8	32-33	40-41	35-37	44-46	

Prime power is the nominal power an engine is capable of delivering with a variable load for an unlimited number of hours per year. This rating conforms to ISO3046 and SAE J1995.

Standby power is the maximum engine power available at varying load factors for up to 200 hours per year when applied to conform with ISO 8528-1. This rating conforms to ISO 3046 and SAE J1995. Calculated generator set rating range for standby applications is based on minimum engine power (nominal -5 percent) to provide 100 percent meet-or-exceed performance for assembled standby generator sets.

\*Electrical power is calculated from the typical generator efficiency and fan power percentages shown. Applications may vary.

## Features and benefits

### Dynamically Balanced Crankshaft

- Induction-hardened journals for long hours of reliable service
- Robust design to drive machinery from the front of the crankshaft
- Supported by five main bearings

### Forged-Steel Connecting Rods

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

### Replaceable Wet-type Cinder Liners

- Provide excellent heat dissipation
- Precision machined for long life
- Rebuild to original specifications

### Easy to Apply, Easy to Install

- Front and rear engine mounting pads on the side of the block facilitates installations
- All connection points in common locations make it easy to install or package

### Compact Size

- Short length is ideal for both skid and packaged installations
- High mount or low mount turbocharger position to meet packaging requirements

### World-class Performance

- Excellent fuel economy and low oil consumption

### Fuel System Controls

- Proven and Reliable Mechanical Governor
- 3-5% Droop Governing
- 12V or 24V Electric Shutoff