

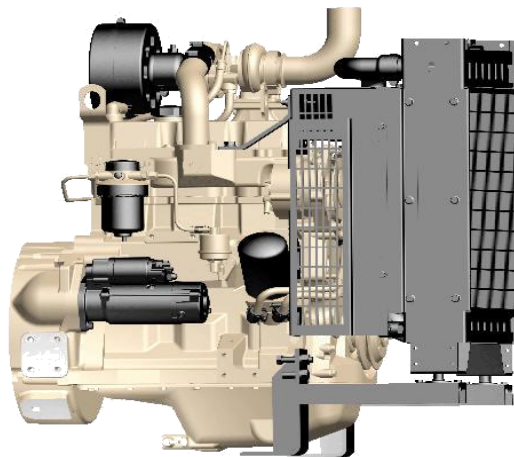
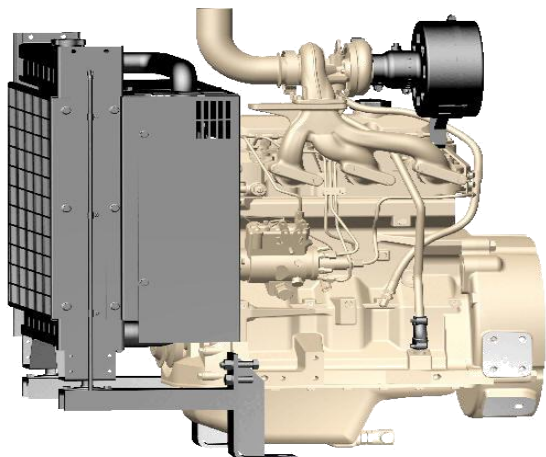
# PowerTech™

## 3029TFU89 Diesel Engine - 30 kVA

### GENERATOR SET POWER UNIT SPECIFICATIONS



#### Pictures



#### General data

Model	3029TFU89
Number of cylinders	In-Line 3
Displacement – L (cu in)	2.9 (177)
Bore and stroke – mm (in)	106 x 110 (4.19 x 4.33)
Compression ratio	17.2 : 1

Injection type	Mechanical rotary
Aspiration	Turbocharged
Length – mm (in)	900 (35.4)
Width – mm (in)	590 (23.2)
Height – mm (in)	943 (37)
Weight, dry – kg (lb)	381 (840)

Corresponding bare engine

3029TFG89

#### Ratings

Prime power at 50 Hz (1500 rpm)	28 kW (38 hp)
Standby power at 50 Hz (1500 rpm)	31 kW (42 hp)

Prime power at 60 Hz (1800 rpm)	31 kW (42 hp)
Standby power at 60 Hz (1800 rpm)	35 kW (47 hp)

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 ISO 3046 and SAE J1995.

Standby power is the nominal engine power available at varying load factors for up to 500 hours per year. This rating conforms to ISO 3046 and SAE J1995. The calculated generator set rating range for standby applications is based on minimum engine power (nominal -5%) to provide 100% meet-or-exceed performance for assembled standby generator sets.

#### Certification

1500 rpm : EU Stage III A
1800 rpm : EPA Interim Tier 4

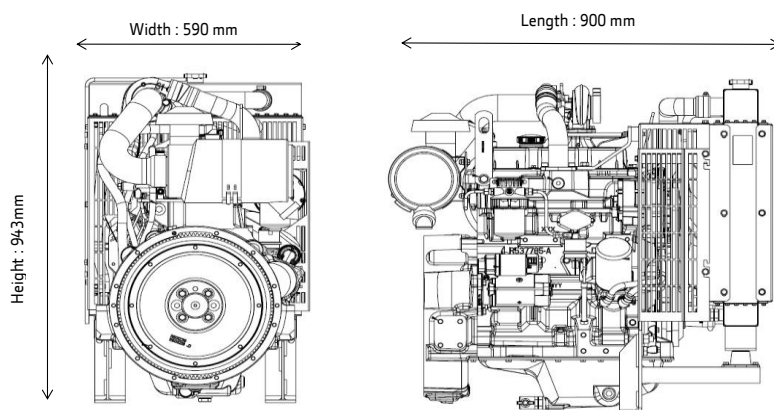
Photographs may show non-standard equipment.

**PowerTech™ 3029TFU89 Diesel Engine**  
**for Generator Set Applications**

**Performance data**

Engine model	Hz (rpm)	Generator efficiency %	Fan power		Power factor	Calculated generator set output			
			kW	hp		Prime		Standby	
						kWe	kVA	kWe	kVA
3029TFU89	50 (1500)	88-92	1,3	1,7	0.8	23-25	29-31	25-27	32-34
3029TFU89	60 (1800)	88-92	2,2	3	0.8	25-27	32-34	28-30	35-37

**Dimensions**



**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 bearing for increased durability

**Replaceable Wet-type Cylinder Liners**

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

**Smooth Operation**

- Smooth vibration with full length engine balancers

**Easy to Apply, Easy to Install**

- Front and rear engine mounting pads on the side of the block facilitates installation
- Either side service for filters and service points
- 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

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*All values at rated speed and power with standard options unless otherwise noted.  
Specifications and design subject to change without notice.*

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