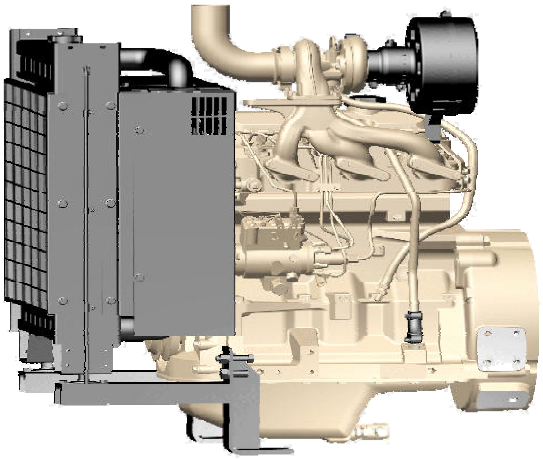
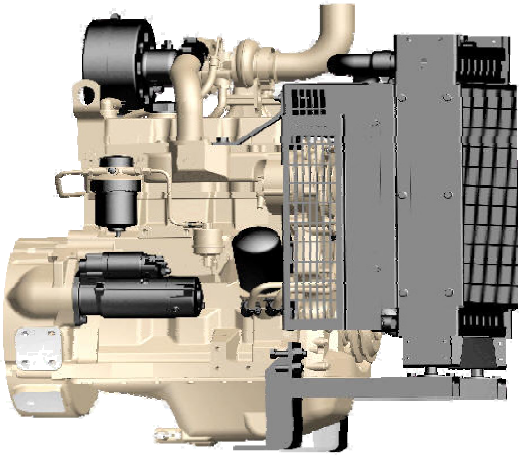
PowerTech™
3029TFU80 Diesel Engine - 30 kVA
GENERATOR SET POWER UNIT SPECIFICATIONS

Pictures





General data

Model	3029TFU80
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
Corresponding bare engine	3029TFG80

Injection type	Mechanical rotary
Aspiration	Turbocharged
Length – mm (in)	888 (35)
Width – mm (in)	590 (23.2)
Height – mm (in)	1005 (39.6)
Weight, dry – kg (lb)	363 (800)

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)	33 kW (45 hp)
Standby power at 60 Hz (1800 rpm)	36 kW (49 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.

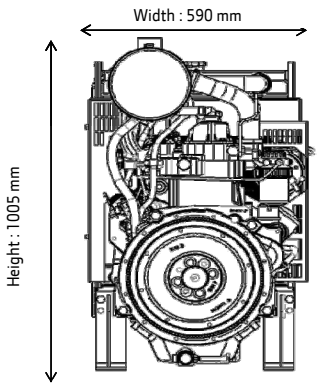
Certification

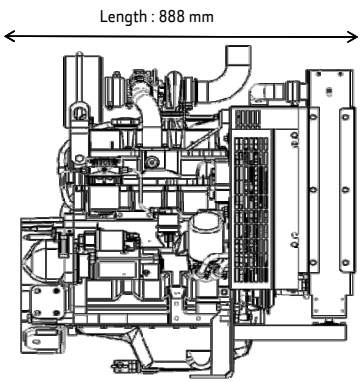
EU Stage III A

Performance data

Engine model	Hz (rpm)	Generator efficiency %	Fan power		Power factor	Calculated generator set output			
			kW	hp		Prime		Standby	
						kWe	kVA	kWe	kVA
3029TFG80	50 (1500)	88-92	1.3	1.7	0.8	24-25	29-31	26-27	32-34
3029TFG80	60 (1800)	88-92	2.2	2.9	0.8	27-28	33-35	29-31	37-39

Dimensions





Features and benefits

High performance

- Long stroke Industrial engine, for high load impact acceptance
- Turbocharger and fuel system characteristics matched for optimum performance at 1500 rpm
- Cooling package optimised to enhance performance and fuel efficiency
- Fan designed to minimise power consumption and thus maximise fuel efficiency
- Direct injection system for better fuel efficiency

Reliability and durability

- Off highway Industrial engine base
- Heavy duty air cleaner available for the most severe working environments

Cost efficient design

- 2 valves head, simple turbocharger, mechanical injection system

Easy to use

- 50 / 60 Hz frequency switchable
- See through expansion tank for quick coolant level check
- Direct injection provides excellent cold start-ability

Maintenance and service

- All control and maintenance points located on RH side and easily accessible
- 500 hours oil change interval as standard
- Oil drain valve available
- Developped for prime power usage
- Replaceable cylinder liners for easy engine overhaul

Ease of integration

- Standard fan guard and belt guard conform to EU machinary directive
- Cooling package designed for enclosures up to 200 Pa air restrictions and 47°C ambient air temperature
- Blower fan as standard
- Same Power Unit for 50 and 60 Hz applications
- Front feet design includes cooling package mountings

Environment friendly

- Clean engine environment with optional crankcase ventilation system
- Low noise fan design

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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.