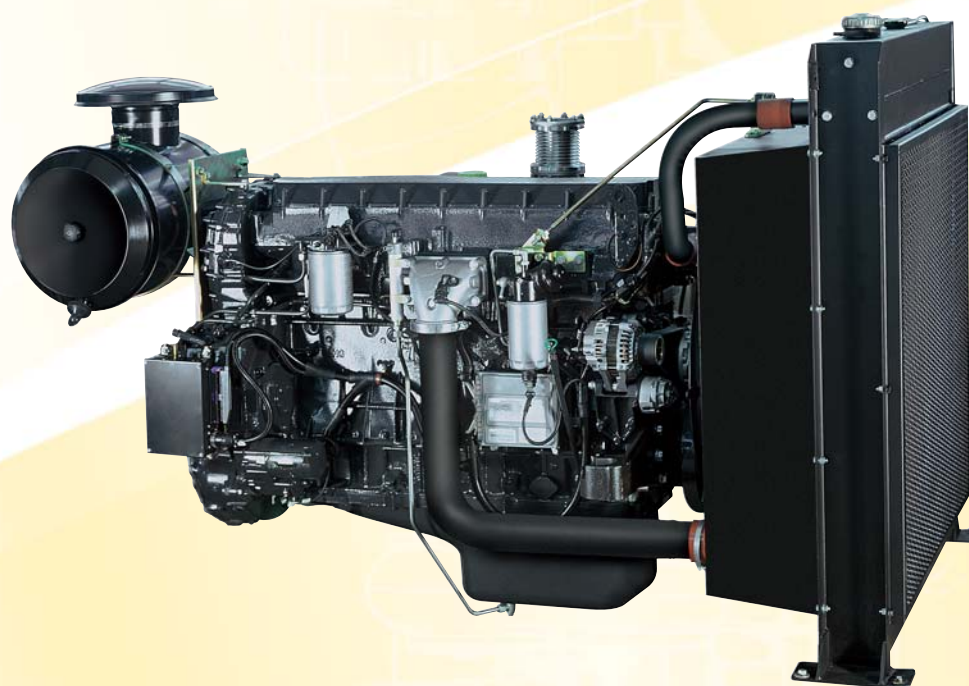


# C13 TE3X

371 kW@1800 rpm

EPA/CARB TIER3



**ENGINE FOR  
POWER GENERATION  
APPLICATIONS**

## C13 TE3X FOR POWER GENERATION APPLICATIONS

### Specifications

Thermodynamic cycle		Diesel 4 stroke	
Air intake		TAA	
Arrangement		6, in line	
Bore x stroke	mm (in)	135x150 (5.31 x 5.91)	
Total displacement	l	12.9	
Valves per cylinder		4	
Injection system		electronic unit injector	
Speed governor		electronic	
Cooling system		liquid (water + 50% Paraflu11)	
Flywheel housing/flywheel	type	SAE1 / 14"	
Flywheel rotation		CCW	
Lube oil specifications		ACEA E3-E5	
Lube oil consumption		<0.1% of fuel consumption	
Fuel specifications		EN 590	
Oil and filters intervals for replacement	hours	600	
Fuel consumption at:	rpm	1800	
	100% load l/h (g/kWh)	n.a.	
	80% load l/h (g/kWh)	n.a.	
	50% load l/h (g/kWh)	n.a.	
Coolant capacity: engine only	l	~19.5	
	engine+radiator	l	~67
ATB (without canopy)	°C (°F)	50 (122)	
<b>No remote cooling radiator allowed</b>			
Lube oil total system capacity including pipes, filters etc.	l	~35	
Electrical system		24Vcc	
Starting batteries: recommended capacity	Ah	2x185	
Discharge current (EN 50342)	A	1200	
Cold starting:	without air preheating	°C (°F)	-15 (5)
	with air preheating	°C (°F)	-25 (-13)

### Performance

Ratings <sup>1</sup>		1800 rpm	
		PRIME	STAND-BY
Rated Output <sup>2</sup>	kWm	337	371

1) Ratings in accordance with ISO 8528. For duty at temperature over 40°C and/or altitude over 1000 meters must be considered a power derating factor. Contact the FPT sales organization

2) Net power at flywheel available after 50 hours running with a ±3% tolerance; EPA TIER 2

**PRIME POWER:** The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

**STAND-BY POWER:** The stand-by power is the maximum power available for a period of 500 hours/year with a mean factor of 90% of the declared stand-by power. No kind of overloads is permissible for this use.

**CONTINUOUS POWER:** Contact the FPT sales organization.

## C13 TE3X FOR POWER GENERATION APPLICATIONS

### Standard Configuration:

FPT engine C13 TE3X equipped with:

- Mounted radiator incorporates air-to-air charge cooler
- Front radiator guard
- Oil drain pump
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridges
- Fuel filter
- Primary fuel filter / water separator
- Replaceable oil filter
- Electronic engine control unit, pump injector unit with wiring loom and sensors
- Interface box
- WT and OP sensors for gauges
- HWT and LOP sensors
- Front engine mounting brackets
- Flywheel housing SAE1 and flywheel 14"
- Re-directable exhaust gas elbow
- Recirculated oil breather system
- Oil dipstick
- User's handbook

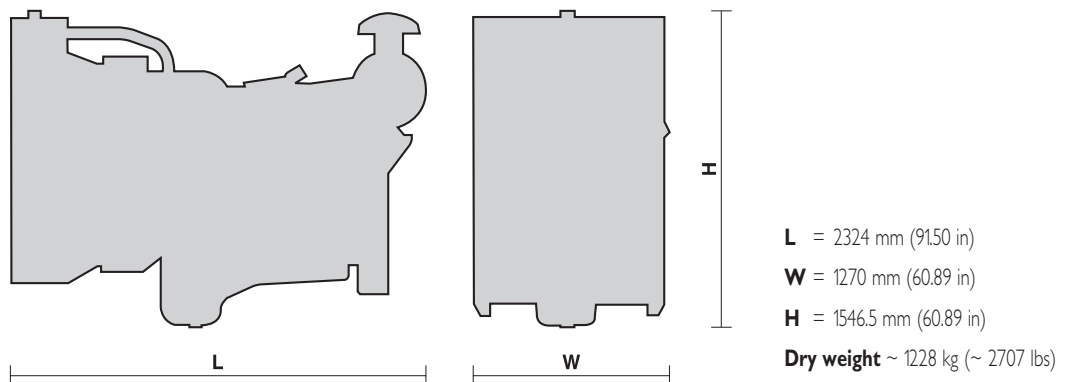
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

### Optional equipment:

On request the engine can be supplied with:

- 230 Volt water jacket heater
- Turbo and exhaust gas guards
- Exhaust gas flexible joint
- Low water level sensors

### Overall dimensions



## ENGINE BENEFITS

- **PERFORMANCE:** Compact packaging; starting temperature as low as 5°F (-15 °C) without starting aids; performance achieved without external EGR; new blow-by system; engine changeable to 1500 or 1800 rpm; consistent performance up to 104°F (40°C) and 3281 ft (1000 m) a.s.l.; first step load acceptance in class G3 (ISO 8528-5)
- **SERVICEABILITY:** Worldwide service network
- **RELIABILITY:** Limited lifetime warranty on Poly-V belts
- **COST EFFECTIVENESS:** New extended 600 h maintenance intervals (oil and filters change); reduced oil and fuel consumption
- **ENVIRONMENTALLY FRIENDLY:** Reduced noise; emission legislation compliance
- **CUSTOMER ORIENTATION:** Standard generators interface SAE1; complete engine power range

### FIAT POWERTRAIN TECHNOLOGIES

Via Puglia, 15 - 10156 Torino

### FIAT POWERTRAIN TECHNOLOGIES

Viale dell'Industria, 15/17 - 20010 Pregnana Milanese (MI)

[www.ftpowertrain.com](http://www.ftpowertrain.com)

LOCAL DISTRIBUTOR