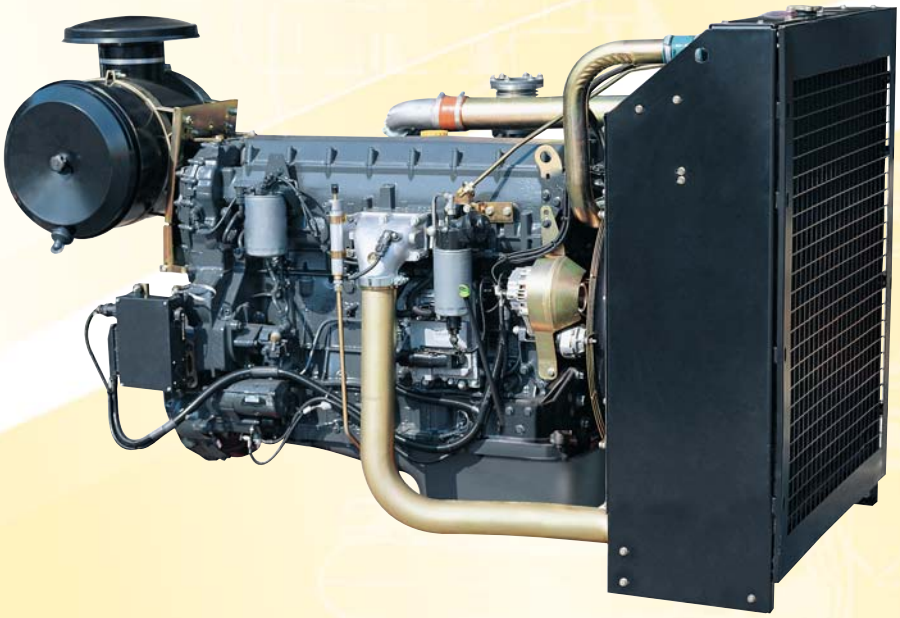
C10 TE1D

286 kW@1500 rpm
311 kW - 417 HP@1800 rpm

EU 2002/88/EC
EPA/CARB TIER 3



ENGINE FOR POWER GENERATION APPLICATIONS

FPT
POWERTRAIN TECHNOLOGIES

C10 TE1D FOR POWER GENERATION APPLICATIONS

Specifications

Thermodinamic cycle			Diesel, 4 stroke	
Air intake			TAA	
Arrangement			6, in line	
Bore x stroke		mm (in)	125x140 (4.92 x 5.51)	
Total displacement		l (in^3)	10.3 (628.5)	
Valves per cylinder			4	
Injection system			direct E.U.I.	
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	1500	1800
		100% load l/h (g/kWh)	62.8 (192)	76.3 (210)
		80% load l/h (g/kWh)	53.7 (198)	63.8 (219.8)
		50% load l/h (g/kWh)	36.4 (202.5)	43.6 (218.6)
Coolant capacity:	engine only	l (US gal)	~15 (3.9)	
	engine+radiator	l (US gal)	~63 (16.6)	
ATB (without canopy)		°C (°F)	58 (136.4)	
No remote cooling radiator allowed				
Lube oil total system capacity including pipes, filters etc.		l (US gal)	~30 (7.9)	
Electrical system			24Vcc	
Starting batteries: recommended capacity		Ah	2x185	
Discharge current (EN 50342)		A	1200	
Cold starting:	without air preheating	°C (°F)	-10 (14)	
	with air preheating	°C (°F)	-25 (-13)	

Performance

Ratings[1]		1500 rpm		1800 rpm	
		PRIME	STAND-BY	PRIME	STAND-BY
Rated Output[2]	kWm (HP)	260	286	282 (378)	311 (417)

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

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.

C10 TE1D FOR POWER GENERATION APPLICATIONS

Standard Configuration:

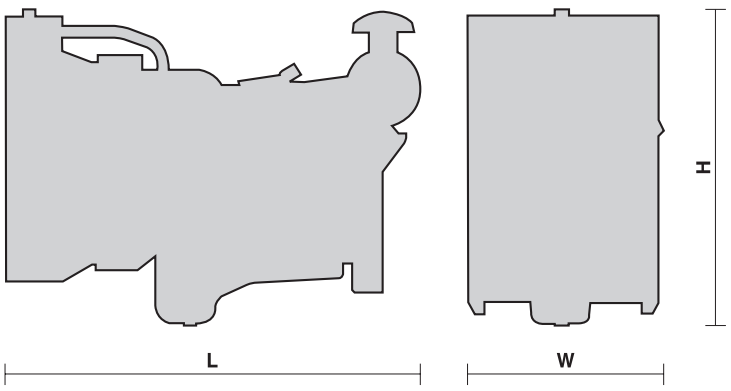
FPT engine C10 TE1D equipped with:
- Mounted radiator incorporating air-to-air charge cooler
- Front radiator guard
- Oil drain pump
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Electronic engine control unit, pump injector units with wiring and sensor
- Interface box
- WT and OP sensors for samples
- HWT and LOP sensors
- Front engine mounting brackets
- Flywheel housing SAE1 and flywheel 14"
- Re-directable exhaust gas elbow
- Recirculed oil breather system
- Oil dipstick
- 24Vdc electrical system
- 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
- Low water level sensor
- Exhaust gas flexible joint

Overall dimensions



L = 2195 mm (86.42 in)
W = 1055 mm (41.54 in)
H = 1480 mm (58.27 in)
Dry weight ~ 1110 kg (~ 2447 lbs)

ENGINE BENEFITS

- **PERFORMANCE:** Compact packaging; starting temperature as low as 14°F (-10 °C) without starting aids; performance achieved without external EGR; new blow-by system; compact 2nd generation common rail 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 filter 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.fptpowertrain.com

LOCAL DISTRIBUTOR

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