

# C13 TE3X

371 kW @ 1800 rpm

Tier 3

## Specifications

Thermodynamic cycle		Diesel 4 stroke
Air intake		TAA
Arrangement		6L
Bore x Stroke	mm	135 x 150
Total displacement	l	12.9
Valves per cylinder		4
Injection system		Electronic Unit Injector
Speed governor		Electronic
Cooling system		liquid (water - paraflu 50%)
Flywheel housing/flywheel	type	SAE 1 / 14"
Direction of rotation (seen from flywheel side)	water - paraflu 50%	CCW
Oil specifications		ACEA E3-E5
Oil consumption		<0.1% of fuel consumption
Fuel specifications		EN 590
Oil and filter maintenance interval for replacement	hours	600
Specific fuel consumption at:	rpm	1800
	100% load l/h (g/kWh)	92.7 (210.5)
	80% load l/h (g/kWh)	82.3 (223.6)
	50% load l/h (g/kWh)	54.3 (220.7)
Coolant capacity: engine only	l	~19.5
	engine+radiator	l
ATB (without canopy)	°C	50
<b>No remote cooling radiator allowed</b>		
Lube oil total system capacity including pipes, filters etc.	l	~35
Electric system		24 Vcc
Starting batteries: recommended capacity	Ah	2 x 185
Discharge current (EN 50342)	A	1200
Cold starting: without air preheating	°C	-15
	with air preheating	°C

## Performances

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.

**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 load 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.

## Standard configuration

FPT engine C13 TE3X 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 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
- Recircled 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:

