

Specifications

Thermodynamic cycle		Diesel 4 stroke	
Air intake		TAA	
Arrangement		6L	
Bore x Stroke	mm	117 x 135	
Total displacement	l	8.7	
Valves per cylinder		4	
Injection system		Electronic Common Rail	
Speed governor		Electronic	
Cooling system		liquid (water - paraflu 50%)	
Flywheel housing/flywheel	type	SAE1 / 14"	
Flywheel rotation		CCW	
Lube oil specifications		ACEA E3-E5	
Lube oil consumption		<0.2% 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)	58.5 (205.4)	64.3 (204.5)
	80% load l/h (g/kWh)	47.6 (209.3)	54 (215)
	50% load l/h (g/kWh)	35.4 (225)	38.8 (225)
Coolant capacity: engine only	l	~15	
engine+radiator	l	~63	
ATB (without canopy)	°C	55	
No remote cooling radiator allowed			
Lube oil total system capacity including pipes, filters etc.	l	~28	
Electrical system		24Vcc	
Starting batteries: recommended capacity	Ah	2 x 185	
Discharge current (EN 50342)	A	1200	
Cold starting: without air preheating	°C	-10	
	with air preheating	°C	-25

Performances

Ratings ¹	kWm	1500 rpm		1800 rpm	
		PRIME	STAND-BY	PRIME	STAND-BY
Rated Output ²		232	255	254	276

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.

C87 TE1D

255 kW @ 1500 rpm
276 kW @ 1800 rpm

Stage II / Tier 3

Standard configuration

FPT engine C87 TE1D equipped with:

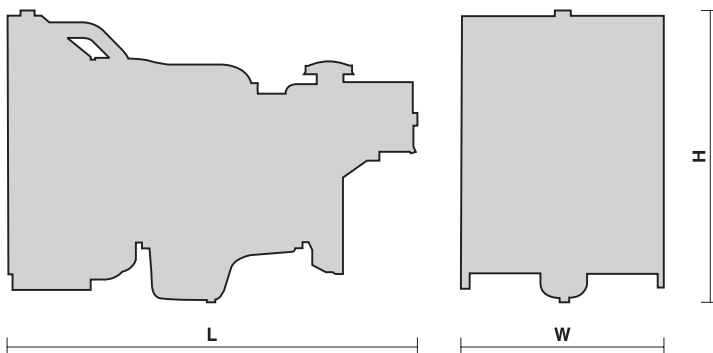
- Mounted radiator incorporating air-to-air charge cooler
- Front radiator guard
- Oil drain pump
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridges
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Electronic engine control unit
- Interface box
- WT and OP sensors for gauges
- HWT and LOP sensors
- Front engine mountings brackets
- Flywheel housing SAE1 and flywheel 14"
- Re-directable exhaust gas elbow
- Recirculated 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
- Exhaust gas flexible joint
- Low water level sensor



Overall dimensions:

L = 2044 mm
W = 1055 mm
H = 1394 mm
Dry weight ~ 1050 kg

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Specifications subject to change without notice.
Illustrations may include optional equipment.