

**SPECIFICATIONS**

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TAA	
Arrangement	6L	
Bore x Stroke (mm)	117 X 135	
Total Displacement (l)	8.7	
Valves per cylinder (n°)	4	
Injection System	ECR	
Speed governor	Electronic	
Cooling System	liquid (water - parafu 50%)	
Direction of Rotation (viewed facing flywheel)	CCW	
Oil specifications	ACEA E3-E5	
Oil consumption	<0.2% of fuel consumption	
Fuel specifications	EN 590	
Oil and oil filter maintenance interval for replacement [***] (hours)	600	
Specific fuel consumption at:	<b>1500</b>	<b>1800</b>
- Stand-By l/h (g/kWh)	-	-
- 100% load l/h (g/kWh)	224.2 ( 48.6 )	-
- 80% load l/h (g/kWh)	227.6 ( 39.4 )	-
- 50% load l/h (g/kWh)	-	-
ATB (without canopy) (°C)	53	
Coolant capacity: engine + radiator (l)	~ 35	
Coolant capacity: engine only (l)	~ 15	
Lube oil total system capacity including pipes, filters etc. (l)	~ 28	
Electric system (isolated return)	24	
Starting batteries: recommended capacity (Ah)	2x120	
Discharge Current (EN50342) A	540	
Cold starting: without preheating (°C)	-10	
Cold starting: with preheating (°C)	-25	

**WEIGHT AND DIMENSIONS**

Dimensions (LxWxH)	1985 X 965 X 1212
Dry Weight	Kg 1000

**PERFORMANCE**

Ratings <sup>1</sup>	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Rated Power kWm <sup>2</sup>	177	195	-	-

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.

**Legend**

Arrangement	Air Handling	Injection System	Emission Standard
L (in line) V (90° "V" configuration)	TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated)	M (Mechanical) ECR (Electronic Common Rail) EUI (Electronic Unit Injector)	I-EGR (Internal EGR)

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE [WWW.FPTINDUSTRIAL.COM](http://WWW.FPTINDUSTRIAL.COM)

FPT INDUSTRIAL OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE

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



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

## STANDARD CONFIGURATION

FPT engine C87 TE1F equipped with:

- Mounted radiator incorporating air-to-air charge cooler
- Front radiator fan
- 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 mounting brackets
- Flywheel housing SAE1 and flywheel 14"
- Re-directable exhaust gas elbow
- Recircled oil breather system
- Oil dipstick
- 24 Vdc 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
- Low water level sensor
- Turbo and exhaust gas guards
- Exhaust gas flexible joint
- Oil drain systems

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