

**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 - paraflu 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)   | 52.6 ( 215.4 )               | -           |
| - 80% load l/h (g/kWh)  | -                            | -           |
| - 50% load l/h (g/kWh)  | -                            | -           |
| ATB (without canopy) (°C)   | 51                           |             |
| 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> | 200      | 220      | -        | -        |

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)<br>V (90° "V" configuration) | TAA (Turbocharged with aftercooler)<br>TC (Turbocharged)<br>NA (Naturally Aspirated) | M (Mechanical)<br>ECR (Electronic Common Rail)<br>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 TE2 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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