

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: | 1500 | 1800 |
| - Stand-By l/h (g/kWh) | - | - |
| - 100% load l/h (g/kWh) | 61 (215) | - |
| - 80% load l/h (g/kWh) | 55 (220) | - |
| - 50% load l/h (g/kWh) | 30.7 (230) | - |
| ATB (without canopy) (°C) | 49 | |
| Coolant capacity: engine + radiator (l) | ~ 63 | |
| 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) | 2042 X 1055 X 1394 |
| Dry Weight | Kg 1050 |

PERFORMANCE

| Ratings ¹ | 1500 rpm | | 1800 rpm | |
|------------------------------|----------|----------|----------|----------|
| | PRIME | STAND-BY | PRIME | STAND-BY |
| Rated Power kWm ² | 232 | 256 | - | - |

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

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

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



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

STANDARD CONFIGURATION

FPT engine C87 TE3F equipped with:

- Mounted radiator incorporating air-to-air charge cooler
- Front radiator guard
- 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
- Recircled oil breather system
- Oil dipstick
- 24Vdc electric 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 sensors
- Oil drain systems

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