

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TAA	
Arrangement	6L	
Bore x Stroke (mm)	141 X 170	
Total Displacement (l)	15,9	
Valves per cylinder (n°)	4	
Injection System	ECR	
Speed governor	-	
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Oil specifications	SAE 10W40 ACEA E9/API CJ-4	
Oil consumption	< 0,2	
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)	130 (194)	141 (200)
- 100% load l/h (g/kWh)	116 (191)	126 (198)
- 80% load l/h (g/kWh)	93 (191)	101 (198)
- 50% load l/h (g/kWh)	59 (194)	65 (203)
ATB (without canopy) (°C)	53	54
Coolant capacity: engine + radiator (l)	~ 25,5	
Coolant capacity: engine only (l)	- -	
Lube oil total system capacity including pipes, filters etc. (l)	~ 38	
Electric system (isolated return)	24	
Starting batteries: recommended capacity (Ah)	185	
Discharge Current (EN50342) A	1200	
Cold starting: without preheating (°C)	-	
Cold starting: with preheating (°C)	-	

WEIGHT AND DIMENSIONS

Dimensions (LxWxH)	2353 X 1114 X 1605
Dry Weight (including cooling package)	Kg 1420

PERFORMANCE

Ratings ¹⁾	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Rated Power kWm ²⁾	505	557	523	578

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.
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)

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STANDARD CONFIGURATION

OPTIONAL EQUIPMENT

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