POWER GENERATION

F5 series

F32 TM1A 51.5kW

51.5 kW @ 1500 rpm

Stage II

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TAA	
Arrangement	4L	
Bore x Stroke (mm)	99 X 104	
Total Displacement (l)	3.2	
Valves per cylinder (n°)	2	
Injection System	M	
Speed governor	mechanical	
Cooling System	liquid (water - paraflu 50%)	
Direction of Rotation (viewed facing flywheel)	CCW	
Oil specifications	ACEA E3-E5	
Oil consumption	<0.1% 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)	12.6 (219)	-
- 80% load l/h (g/kWh)	10.2 (220)	-
- 50% load l/h (g/kWh)	6.5 (225.5)	-
ATB (without canopy) (°C)	50	-
Coolant capacity: engine + radiator (l)	~ 19.5	
Coolant capacity: engine only (l)	~ 4.5	
Lube oil total system capacity including pipes, filters etc. (l)	~ 10.5	
Electric system (isolated return)	12	
Starting batteries: recommended capacity (Ah)	100	
Discharge Current (EN50342) A	650	
Cold starting: without preheating (°C)	-10	
Cold starting: with preheating (°C)	-25	

WEIGHT AND DIMENSIONS

Dimensions (LxWxH)	1200 X 600 X 930
Dry Weight	Kg 400

PERFORMANCE

Ratings [1]	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Rated Power kWm [2]	47	51.5	-	-

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.

CONTINUOS 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

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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

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POWERTRAIN TECHNOLOGIES

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STANDARD CONFIGURATION

FPT engine F32 TM1A equipped with:
- Mounted radiator incorporating air-to-air charge cooler
- Fan guard
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridge
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Front engine mounting brackets
- Flywheel housing SAE3 and flywheel 11” 1/2
- Re-directable exhaust gas elbow
- Recirculed oil breather system
- Oil dipstick
- 12 Vdc electrical system
- User’s handbook

THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

OPTIONAL EQUIPMENT

On request the engine can be supplied with:
- Oil drain pump
- Oil drain valve
- 120/230 Volt water jacket heater
- WT and OP sensors for gauges
- Low water level sensor
- Turbo and exhaust gas guards
- Exhaust gas flexible joint

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