

Specifications

Thermodynamic cycle		Diesel 4 stroke	
Air intake		NA	
Arrangement		4L	
Bore x Stroke	mm	104 x 132	
Total displacement	l	4.5	
Valves per cylinder		2	
Injection system		Mechanical	
Speed governor		mechanical	
Cooling system		liquid (water - paraflu 50%)	
Flywheel housing/flywheel	type	SAE 3 / 11" 1/2	
Direction of rotation (seen from flywheel side)		CCW	
Oil specifications		ACEA E3-E5	
Oil consumption		<0.1% of fuel consumption	
Fuel specifications		EN 590	
Oil and filter maintenance interval for replacement	hours	800	
Specific fuel consumption at:	rpm	1500	1800
	100% load l/h (g/kWh)	11 (216.3)	Information not yet available
	80% load l/h (g/kWh)	8.9 (221.7)	Information not yet available
	50% load l/h (g/kWh)	6.2 (228.8)	Information not yet available
Coolant capacity: engine only	l	~8.5	
	engine+radiator	l	~17
ATB (without canopy)	°C	Not available	
Lube oil total system capacity including pipes, filters etc.	l	~12.8	
Electric system		12 Vcc	
Starting batteries: recommended capacity	Ah	1 x 100	
Discharge current (EN 50342)	A	650	
Cold starting: without air preheating	°C	-10	
	with air preheating	°C	-25

Performances

Ratings ¹		1500 rpm		1800 rpm	
		PRIME	STAND-BY	PRIME	STAND-BY
Rated Output ²	kWm	45	50	50	55

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.

Preliminary

N45 AM2

50 kW @ 1500 rpm
55 kW @ 1800 rpm

Non emissions certified engine

Standard configuration

FPT engine N45 AM2 equipped with:

- Mounted radiator
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridges
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Front engine mounting brackets
- Flywheel housing SAE3 and flywheel 11" 1/2
- Recirculed oil breather system
- Oil dipstick
- HWT and LOP sensors
- 12Vdc electrical system
- User's handbook

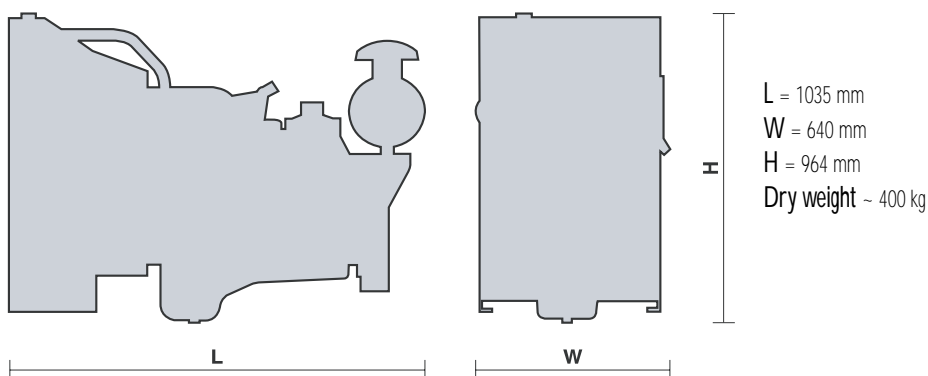
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

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
- Exhaust gas guards
- 24 Vdc electrical system
- Electronic speed governor

Overall dimensions:



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