

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 | 600 |
| Specific fuel consumption at: | rpm | 1500 |
| | 100% load l/h (g/kWh) | 11.3 (223) |
| | 80% load l/h (g/kWh) | 9.2 (228.6) |
| | 50% load l/h (g/kWh) | 6.4 (235.9) |
| Coolant capacity: engine only | l | ~8.5 |
| | engine+radiator | ~17 |
| ATB (without canopy) | °C | 57 |
| 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 |

Performances

| Ratings ¹ | kWm | 1500 rpm | |
|---------------------------|-----|----------|----------|
| | | PRIME | STAND-BY |
| Rated Output ² | | 41.5 | 45 |

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.

N45 AM1A

45 kW @ 1500 rpm

Stage II

Standard configuration

FPT engine N45 AM1A 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
- Recircled oil breather system
- Oil dipstick
- HWT and LOP sensors
- 12Vdc electrical system
- User's handbook

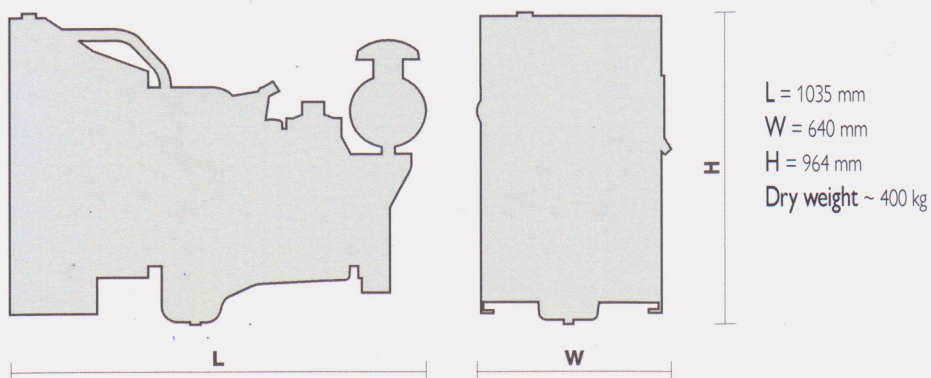
THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

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.