

SPECIFICATIONS

| | | |
|--|-----------------|-----------|
| Thermodynamic cycle | Diesel 4 stroke | |
| Air Handling | TC | |
| Bore x Stroke | millimeters | 104 x 132 |
| Total displacement | liters | 4.5 |
| Valves per cylinder | number | 2 |
| Cooling System | liquid | |
| Direction of Rotation (viewed facing flywheel) | CCW | |
| Compression ratio | 17.5:1 | |
| Injection System | M | |

| | | |
|-----|---|--|
| EGR | - | |
|-----|---|--|

PERFORMANCES

| | | |
|---|----------------|----------------|
| Rated power [*] | kW (HP) @ rpm | 66 (90) @ 2200 |
| Peak torque | Nm (kgm) @ rpm | 400 (41) @ - |
| High idle speed | rpm | 2430 |
| Low idle speed | rpm | ±800 |
| Minimum starting temperature without auxiliaries | °C | -15° |
| Oil and oil filter maintenance interval for replacement | hours | 600 |

STANDARD CONFIGURATION

| | | |
|---|--|-------------------------------------|
| Flywheel housing | type | SAE 3 - (wide / narrow) - cast iron |
| Flywheel size | inch | 11" ½ |
| Intake manifold location | rearwards | |
| Exhaust manifold location | middle high / right side / frontwards | |
| Turbocharger | Fixed Geometry Turbo | |
| Turbocharger location | middle / right side | |
| Fan transmission ratio | 1.4:1 | |
| Distance between fan - crankshaft centers | millimeters | X=0 Y=296 |
| Fuel filter | number | single cartridge - left side |
| Fuel prefilter | optional | |
| Fuel Pump | mechanical rotary pump | |
| Oil filter | number | single cartridge - right side |
| Oil sump | suspended sheet steel / front sump, 35° angularity limits continuous in all directions | |

| | | |
|-----------------------------|-----------------------------|--|
| Oil vapours blow-by circuit | on timing cover | |
| Oil heat exchanger | incorporated into the block | |
| Oil filler | on valve cover | |
| Alternator | 12 V - 90 A with W contact | |
| Hydraulic steering pump | - | |
| Wiring harness | - | |
| Painting color | grey | |

| | | |
|---|--------------------------|---|
| Starter | 12 V - 3 kW | |
| Maximum torque available from crankshaft pulley | Nm | - |
| Engine stop device | incorporated in the pump | |

WEIGHT AND DIMENSIONS

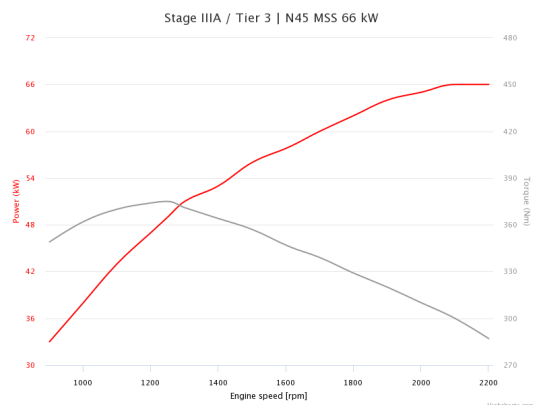
| | | |
|------------|------------|-----------------|
| Dimensions | LxWxH (mm) | 807 x 587 x 983 |
|------------|------------|-----------------|

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

POWER & TORQUE



NOT INCLUDED IN STANDARD CONFIGURATION

| | | |
|--|---|---------------|
| Power Take Off (PTO) | - | |
| PTO - transmission ratio | 1.03:1 | |
| PTO - maximum available torque | SAE A 100 Nm (9 teeth) - 150 Nm (11 teeth) SAE B 240 Nm (13 teeth) - | |
| Battery - minimum capacity recommended | Ah | 180 Ah (12 V) |
| Battery - minimum cold cranking capacity recommended | Ah | 12 V - 950 Ah |

LEGEND

| Arrangement | Air Handling | Turbocharger | Injection System | Exhaust System |
|---------------------------|-------------------------------------|--------------------------------------|--------------------------------|-------------------------------------|
| L (in line) | TCA (Turbocharged with aftercooler) | WG (Wastegate) | M (Mechanical) | EGR (Exhaust Gas Recirculation) |
| V (90° "V" configuration) | TC (Turbocharged) | VGT (Variable Geometry Turbocharger) | ECR (Electronic Common Rail) | SCR (Selective Catalytic Reduction) |
| | NA (Naturally Aspirated) | TST (Twin Stage Turbocharge) | EUI (Electronic Unit Injector) | |
| | | | MPI (Multi Point Injection) | |

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

SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



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