

8041 POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

| Stand-By (Maximum) Rating | Max.Torque | Fuel Consumption |
|-----------------------------|---------------------------------|---------------------------------------|
| 64 kW (87 HP) / 2940 rpm | 266 N.m (27 kg.m) / 1470 rpm | 269 g/kW.h (198 g/HP.h) / 2940 rpm |

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

| | |
|---------------------------|---|
| Manufacturer | Iveco / Italy |
| Engine Model | 8041i40 |
| Type | 4 cycle , Diesel , Naturally aspirated |
| Combustion Type | Direct Injection |
| Cylinder Number | Inline 4 cyl |
| Bore x Stroke | 104 x 115 mm |
| Displacement | 3,9 lt |
| Compression Ratio | 17 |
| Flywheel & Hsg | SAE 3/11,5 " |
| Dry Weight | 415 kg |
| Dimensions LxWxH | 1094x680x885 mm |

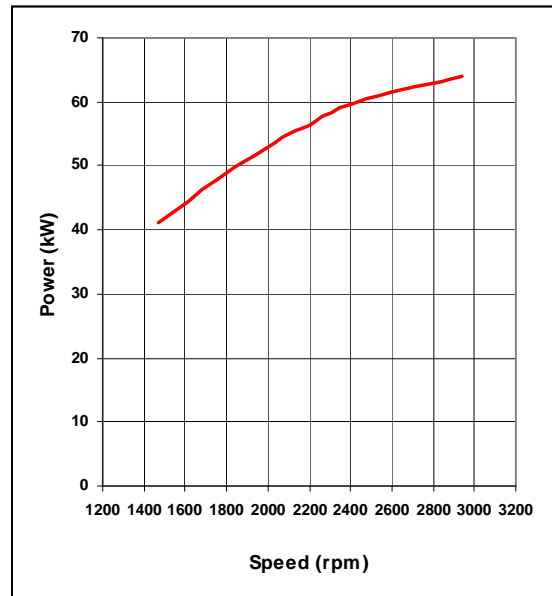
FUEL SYSTEM

| | |
|-------------------------|---------------------------|
| Injection Pump | Bosch Rotary type |
| Governor Type | Mechanical |
| Injection Nozzle | Multi-hole type |
| Fuel Selenoid | Energized to stop |
| Fuel Filter | Full flow, cartridge type |
| Fuel Delivery | by priming pump |
| Fuel | Diesel Fuel (EN590) |

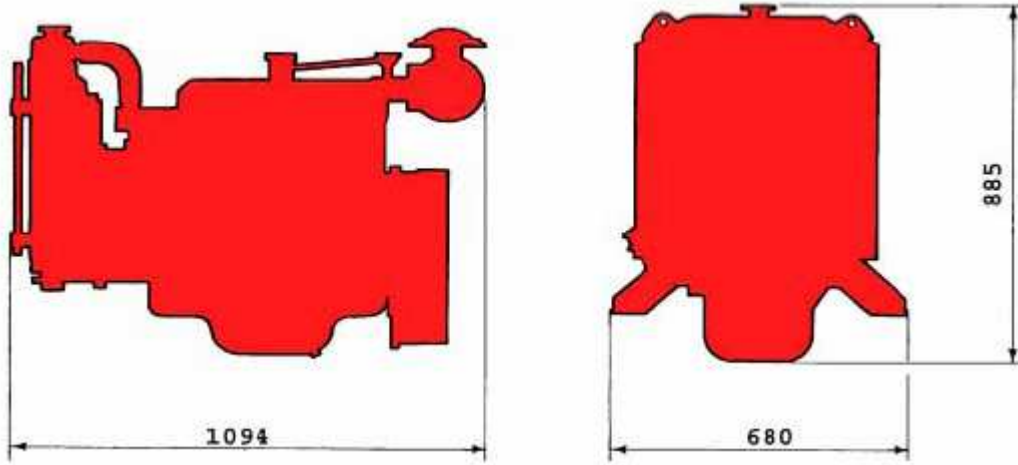
COOLING SYSTEM

| | |
|-----------------------|------------------------------------|
| Cooling Type | Water Cooled |
| Cooling Method | Forced Circulation |
| Water Capacity | 6,7 lt without radiator |
| Water Pump | Centrifugal type driven by belt |

PERFORMANCE CURVE



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LUBRICATION SYSTEM

| | |
|---------------------------|------------------------|
| Lubrication Method | Pressure feed type |
| Min.Oil Pressure | 2,5 kg/cm ² |
| Oil Pump | Gear Driven |
| Oil Filter | Full Flow cartridge |
| Oil Capacity | 11,5 lt |
| Recomended Oil | CE 15W/40 grade |

ELECTRICAL SYSTEM

| | |
|----------------------------------|---------------|
| Charging Alternator | 12 V , 45 Amp |
| Starting Motor | 12 V , 3 kW |
| Battery Voltage | 12 V |
| Capacity (Recomended) | 102 Ah |

OPTIONS

- (EWI) Engine Wiring
- (CPA) Basic Start Panel
- (CHE) Coolant Heater
- (ESI1) Industrial type Silencer
- (ESI2) Residential type Silencer
- (BAT) Battery , cables & rack
- (BFR1) Baseframe Std.c/w fuel tank
- (BFR2) Extended Baseframe c/w fuel tank
- (NFP) Conformity kit to NFPA-20 standards
- (HEX) Heat Exchanger Kit with pipeline
- (CPL) Coupling with its guard
- (TBX) Tool Kit

UNIT CONVERSION

- HP = kW x 1,3596
- Torque (N.m) = 9549,3 x P(kW) / N(1/min)
- Torque (kg.m) = 716,2 x P(HP) / N(1/min)
- 1 Bar = 1,019726 kg/cm² = 100 kPA
- 1 kW = 0,2388 kcal/s

IDEA

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