

8031 POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
48 kW (65 HP) / 2940 rpm	208 N.m (21 kg.m) / 1470 rpm	266 g/kW.h (195 g/HP.h) / 2940 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer	Iveco / Italy
Engine Model	8031i40
Type	4 cycle , Diesel , Naturally aspirated
Combustion Type	Direct Injection
Cylinder Number	Inline 3 cyl
Bore x Stroke	104 x 115 mm
Displacement	2,93 lt
Compression Ratio	17
Flywheel & Hsg	SAE 3/11,5 "
Dry Weight	370 kg
Dimensions LxWxH	998x680x905 mm

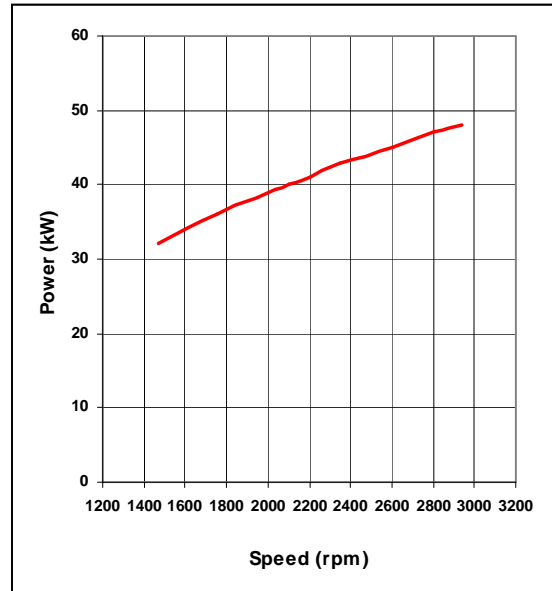
FUEL SYSTEM

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)

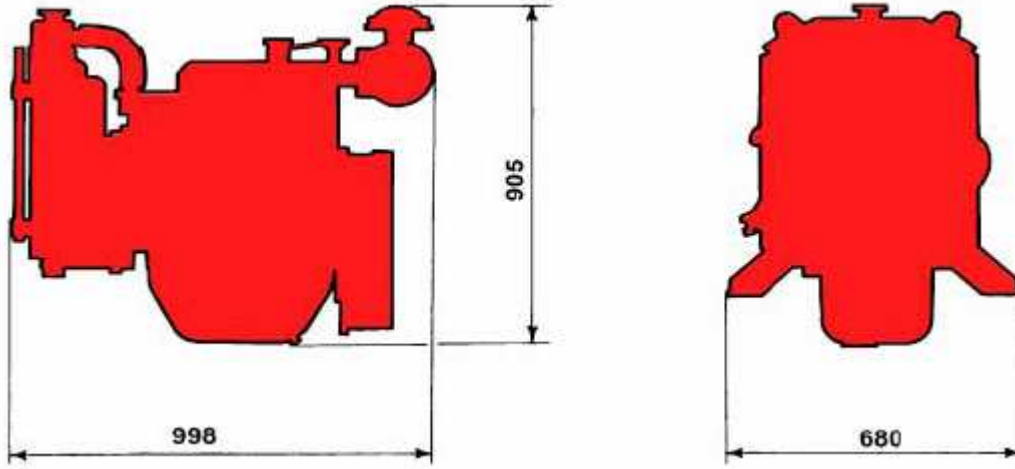
COOLING SYSTEM

Cooling Type	Water Cooled
Cooling Method	Forced Circulation
Water Capacity	5 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	7,7 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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