TECHNICAL DATASHEET

Production Tolerance: ±5 %

<table>
<thead>
<tr>
<th>Stand-By (Maximum) Rating</th>
<th>Max. Torque</th>
<th>Fuel Consumption</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,5 kW (12,9 HP) / 3000 rpm</td>
<td>35 N.m (3,6 kg.m) / 2000 rpm</td>
<td>270 g/kW.h (198 g/HP.h) / 3000 rpm</td>
</tr>
</tbody>
</table>

Note: All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer: Mitsubishi / Japan
Engine Model: L2E
Type: 4 cycle, Diesel, Naturally aspirated
Combustion Type: Swirl Chamber Type
Firing Order: 1-2
Cylinder Number: 2 cyl
Bore x Stroke: 76 x 70 mm
Displacement: 0,635 lt
Compression Ratio: 23
Flywheel & Hsg: SAE 5/6.5"
Dry Weight: 70 kg
Dimensions LxWxH: 417x418x500 mm

FUEL SYSTEM

Injection Pump: Bosch BFR Type
Injection Nozzle: Throttle Type
Nozzle Open Pres: 140 kg/cm²
Governor Type: Mechanical
Injection Timing: 17° BTDC
Fuel Selenoid: Energized to Run
Fuel Filter: Full flow, cartridge type
Fuel Delivery: Electric Feed Pump
Fuel: Diesel Fuel (EN590)

COOLING SYSTEM

Cooling Type: Water Cooled
Cooling Method: Forced circulation by Centrifugal Pump
Cooling Capacity: 1,2 lt

PERFORMANCE CURVE
LUBRICATION SYSTEM

Lubrication Method  Forced-feed circulation by gear pump
Oil Pump          Gear Driven
Oil Capacity       2.9 lt
Oil Filter         Full Flow cartridge
Recomended Oil     CD/CE/CF 10W/40 grade semi-synthetic or synthetic

ELECTRICAL SYSTEM

Charging Alternator 12 V, 40 Amp
Starting Motor      12 V, 1.6 kW
Battery Voltage     12 V
Capacity            80 Ah

OPTIONS

(EWI) Engine Wiring
(CPA) Basic Start Panel
(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
(EMT) Engine Top Mounted fuel tank
(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

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