

S4S POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
45 kW (60 HP) / 2940 rpm	196 N.m (20 kg.m) / 1500 rpm	258 g/kW.h (190 g/HP.h) / 3000 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer Mitsubishi / Japan
Engine Model S4S
Type 4 cycle , Diesel ,
Naturally aspirated
Combustion Type Swirl Chamber Type
Firing Order 1-3-4-2
Cylinder Number 4 cyl
Bore x Stroke 94 x 120 mm
Displacement 3,331 lt
Compression Ratio 22
Flywheel & Hsg SAE 5/7,5"
Dry Weight 245 kg
Dimensions LxWxH 781x593x710 mm

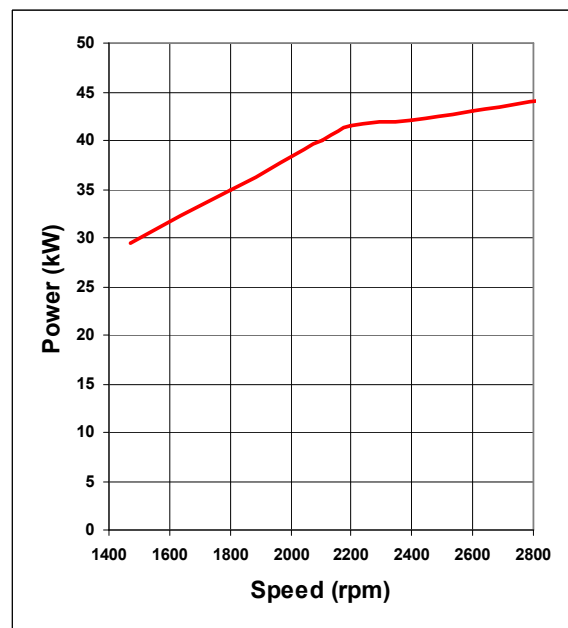
FUEL SYSTEM

Injection Pump In Line Type
Injection Nozzle Throttle Type
Injection Timing 20° BTDC
Governor Type Mechanical
Fuel Selenoid Energized to Run
Fuel Filter Full flow,cartridge type
Fuel Delivery Electric Feed Pump
Fuel Diesel Fuel (EN590)

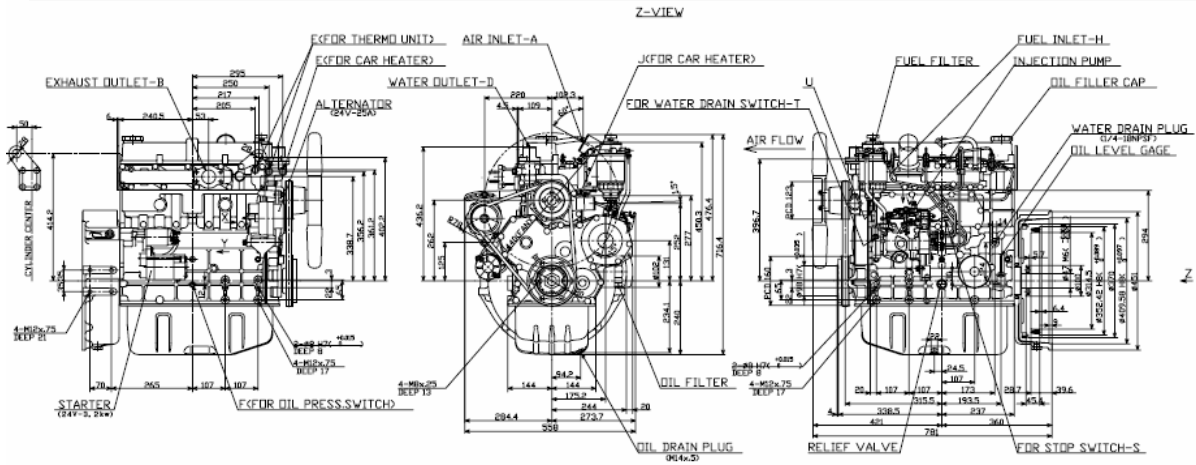
COOLING SYSTEM

Cooling Type Water Cooled
Cooling Method Forced circulation by
Centrifugal Pump
Cooling Capacity 5,5 lt

PERFORMANCE CURVE



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LUBRICATION SYSTEM

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

ELECTRICAL SYSTEM

Charging Alternator	12 V , 50 Amp
Starting Motor	12 V, 2,0 kW
Battery Voltage	12 V
Capacity (Recommended)	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
- (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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