

S4L2 POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
25,1 kW (34,1 HP) / 3000 rpm	98 N.m (10 kg.m) / 1900 rpm	248 g/kW.h (182 g/HP.h) / 3000 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer	Mitsubishi / Japan
Engine Model	S4L2
Type	4 cycle , Diesel , Naturally aspirated
Combustion Type	Swirl Chamber Type
Firing Order	1-3-4-2
Cylinder Number	4 cyl
Bore x Stroke	78 x 92 mm
Displacement	1,758 lt
Compression Ratio	22
Flywheel & Hsg	SAE 5/7,5"
Dry Weight	155 kg
Dimensions LxWxH	655x433x573 mm

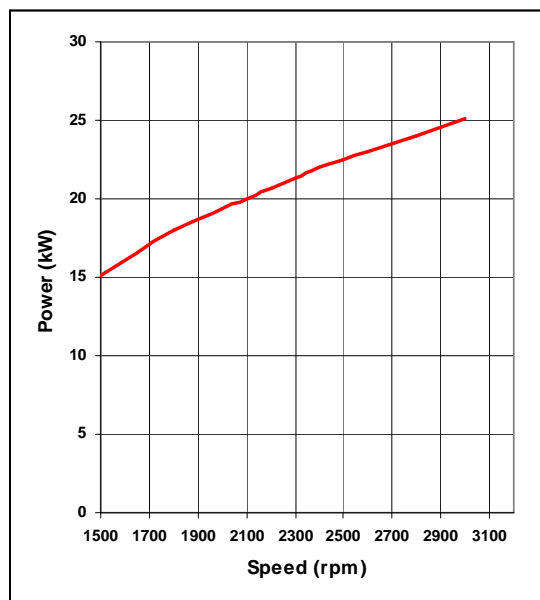
COOLING SYSTEM

Cooling Type	Water Cooled
Cooling Method	Forced circulation by Centrifugal Pump
Cooling Capacity	2,5 lt

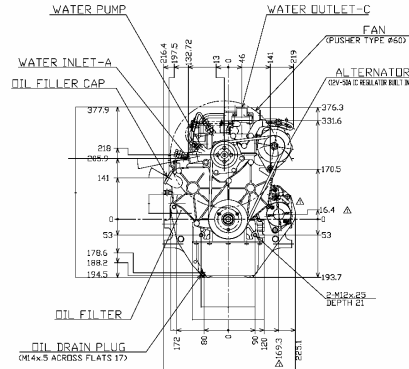
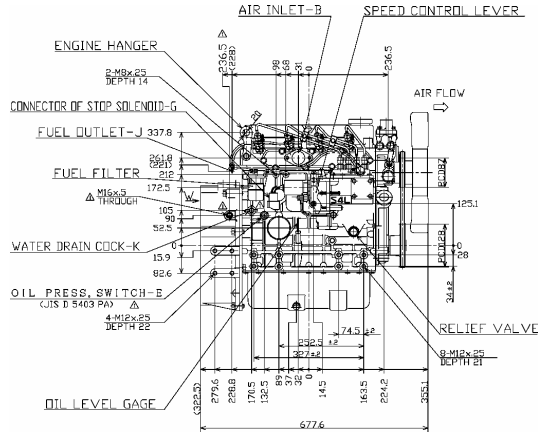
FUEL SYSTEM

Injection Pump	Bosch Type
Injection Nozzle	Throttle Type
Injection Timing	19° BTDC
Governor Type	Mechanical
Fuel Selenoid	Energized to Run
Fuel Filter	Full flow, cartridge type
Fuel Delivery	Electric Feed Pump
Fuel	Diesel Fuel (EN590)

PERFORMANCE CURVE



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LUBRICATION SYSTEM

Lubrication Method Forced-feed circulation by Trochid gear pump

Oil Pump Gear Driven

Oil Capacity 5,5 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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