

S4Q2 POWER UNIT

TECHNICAL DATASHEET

Production Tolerance : $\pm 5\%$

Stand-By (Maximum) Rating	Max.Torque	Fuel Consumption
26,1 kW (35,5 HP) / 1800 rpm	138 N.m (14 kg.m) / 1800 rpm	258 g/kW.h (190 g/HP.h) / 1800 rpm

Note : All datas are according to DIN6270B

MECHANICAL SYSTEM

Manufacturer	Mitsubishi / Japan
Engine Model	S4Q2
Type	4 cycle , Diesel , Naturally aspirated
Combustion Type	Swirl Chamber Type
Firing Order	1-3-4-2
Cylinder Number	4 cyl
Bore x Stroke	88 x 103 mm
Displacement	2,505 lt
Compression Ratio	22
Flywheel & Hsg	SAE 4/7,5"
Dry Weight	195 kg
Dimensions LxWxH	707x493x633 mm

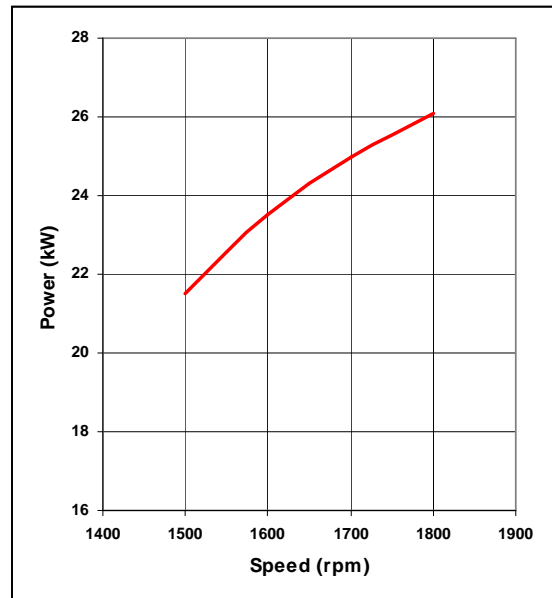
COOLING SYSTEM

Cooling Type	Water Cooled
Cooling Method	Forced circulation by Centrifugal Pump
Cooling Capacity	4,0 lt

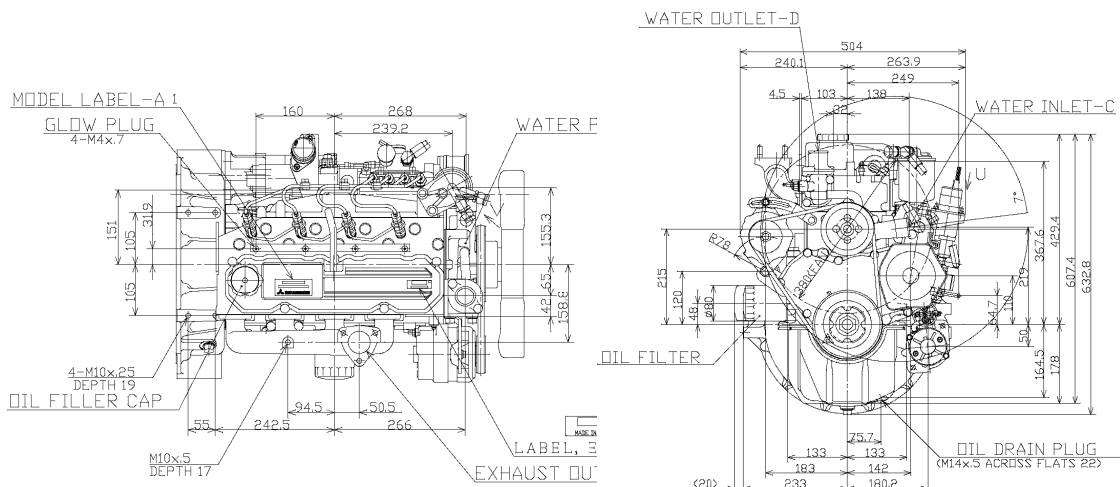
FUEL SYSTEM

Injection Pump	Bosch A Type
Injection Nozzle	Throttle Type
Injection Timing	20° BTDC
Governor Type	Mechanical RSV
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 trochoid gear pump
Oil Pump	Gear Driven
Oil Capacity	6,5 lt
Oil Filter	Full Flow cartridge
Recommended Oil	CD/CE/CF 10W/40 grade semi-synthetic or synthetic

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

ELECTRICAL SYSTEM

Charging Alternator	12 V , 50 Amp
Starting Motor	12 V , 2,0 kW
Battery Voltage	12 V
Capacity (Recommended)	102 Ah

UNIT CONVERSION

$$\text{HP} = \text{kW} \times 1,3596$$

$$\text{Torque (N.m)} = 9549,3 \times \text{P(kW)} / \text{N(1/min)}$$

$$\text{Torque (kg.m)} = 716,2 \times \text{P(HP)} / \text{N(1/min)}$$

$$1 \text{ Bar} = 1,019726 \text{ kg/cm}^2 = 100 \text{ kPA}$$

$$1 \text{ kW} = 0,2388 \text{ kcal/s}$$