



ENGINE SPECIFICATIONS : S4Q2-SD

STANDARD FEATURES	Manufacturer / Model	MITSUBISHI S4Q2-SD , 4-strokes, Athmo , 4 X
	Cylinder Arrangement	L
	Displacement	2.50L [152.6C.I.]
	Bore and Stroke	103mm [4.1in.] X 88mm [3.5in.]
	Compression ratio	22 : 1
	Rated RPM	1800 Rpm
	Piston Speed	6.18m/s [20.3ft./s]
	Max. stand by Power at rated RPM	28.71kW [38BHP]
	Frequency regulation, steady state	+/- 2.5%
	BMEP	6.94bar [101psi]
	Governor : type	MECA
EXHAUST SYSTEM	Exhaust temperature	600°C [1112°F]
	Exhaust gas flow	89L/s [189cfm]
	Max back pressure	680mm CE [27in. WG]
FUEL SYSTEM	110% (Stand By power)	8.1L/h [2.1gal/hr]
	100% (of the Prime Power)	7.4L/h [2.0gal/hr]
	75% (of the Prime Power)	5.6L/h [1.5gal/hr]
	50% (of the Prime Power)	4.1L/h [1.1gal/hr]
	Max. fuel pump flow	36L/h [9.5gal/hr]
OIL SYSTEM	Total oil capacity w/filters	6.5L [1.7gal]
	Oil Pressure low idle	1bar [14.5psi]
	Oil Pressure rated RPM	5bar [72.5psi]
	Oil consumption 100% load	0.08L/h [0.021gal/hr]
	Oil capacity carter	5.5L [1.5gal]
THERMAL BALANCE	Heat rejection to exhaust	25kW [1422Btu/mn]
	Radiated heat to ambient	3kW [171Btu/mn]
	Heat rejection to coolant	23kW [1308Btu/mn]
AIR INTAKE	Max. intake restriction	200mm CE [8in. WG]
	Engine air flow	34L/s [72cfm]
COOLANT SYSTEM	Radiator & engine capacity	8.1L [2.140gal]
	Max water temperature	111°C [232°F]
	Outlet water temperature	93°C [199°F]
	Fan power	1.2 kW
	Fan air flow w/o restriction	1m3/s [2119cfm]
	Available restriction on air flow	10mm CE [0.4in. WG]
	Type of coolant	Gencool
	Thermostat	76.5-90 °C
EMISSIONS LEVEL	PM	N/A
	CO	N/A
	HCNox	N/A