



ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MITSUBISHI S4S-Z263SD , 4-strokes, Athmo , 4 X
	Cylinder Arrangement	L
	Displacement	3.33L [203.2C.I.]
	Bore and Stroke	120mm [4.7in.] X 94mm [3.7in.]
	Compression ratio	22 : 1
	Rated RPM	1500 Rpm
	Piston Speed	6m/s [19.7ft./s]
	Max. stand by Power at rated RPM	30.36kW [41BHP]
	Frequency regulation, steady state	< 5.5%
	BMEP	6.62bar [96psi]
	Governor : type	MECA
EXHAUST SYSTEM	Exhaust gas flow	103L/s [218cfm]
	Exhaust temperature	600°C [1112°F]
	Max back pressure	680mm CE [27in. WG]
FUEL SYSTEM	110% (Stand By power)	9.9L/h [2.6gal/hr]
	100% (of the Prime Power)	8.8L/h [2.3gal/hr]
	75% (of the Prime Power)	6.6L/h [1.7gal/hr]
	50% (of the Prime Power)	4.8L/h [1.3gal/hr]
	Max. fuel pump flow	36L/h [9.5gal/hr]
OIL SYSTEM	Total oil capacity w/filters	10L [2.6gal]
	Oil Pressure low idle	1bar [14.5psi]
	Oil Pressure rated RPM	5bar [72.5psi]
	Oil consumption 100% load	0.09L/h [0.0gal/hr]
	Oil capacity carter	9L [2.4gal]
THERMAL BALANCE	Heat rejection to exhaust	29kW [1649Btu/mn]
	Radiated heat to ambient	5kW [284Btu/mn]
	Heat rejection to coolant	29kW [1649Btu/mn]
AIR INTAKE	Max. intake restriction	250mm CE [10in. WG]
	Engine air flow	38L/s [81cfm]
COOLANT SYSTEM	Radiator & engine capacity	8.9L [2.351gal]
	Max water temperature	100°C [212°F]
	Outlet water temperature	93°C [199°F]
	Fan power	0.7 kW
	Fan air flow w/o restriction	1m ³ /s [2119cfm]
	Available restriction on air flow	10mm CE [0.4in. WG]
	Type of coolant	Gencool
	Thermostat	76.5-90 °C
GAS SYSTEM	HC	0.01 g/m ³
	CO	0.19 g/m ³
	Nox	0.77 g/m ³
	PM	0.14 g/m ³