



ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	mitsubishi S4L2-SD , 4-strokes, Athmo , 4 X
	Cylinder Arrangement	L
	Displacement	1.75L [106.8C.I.]
	Bore and Stroke	92mm [3.6in.] X 78mm [3.1in.]
	Compression ratio	22 : 1
	Rated RPM	1500 Rpm
	Piston Speed	4.6m/s [15.1ft./s]
	Max. stand by Power at rated RPM	16.61kW [22BHP]
	Frequency regulation, steady state	+/- 2.5%
	BMEP	6.86bar [99psi]
Governor : type	MECA	
EXHAUST SYSTEM	Exhaust gas flow	48.7L/s [103cfm]
	Exhaust temperature	410°C [770°F]
	Max back pressure	700mm CE [28in. WG]
FUEL SYSTEM	110% (Stand By power)	N/A
	100% (of the Prime Power)	4.4L/h [1.2gal/hr]
	75% (of the Prime Power)	3.4L/h [0.9gal/hr]
	50% (of the Prime Power)	2.6L/h [0.7gal/hr]
	Max. fuel pump flow	18L/h [4.8gal/hr]
OIL SYSTEM	Total oil capacity w/filters	5.9L [1.6gal]
	Oil Pressure low idle	1bar [14.5psi]
	Oil Pressure rated RPM	4bar [58.0psi]
	Oil consumption 100% load	0.025L/h [0.0gal/hr]
	Oil capacity carter	5.4L [1.4gal]
THERMAL BALANCE	Heat rejection to exhaust	14kW [796Btu/mn]
	Radiated heat to ambient	2kW [114Btu/mn]
	Heat rejection to coolant	14kW [796Btu/mn]
AIR INTAKE	Max. intake restriction	200mm CE [8in. WG]
	Engine air flow	18.2L/s [39cfm]
COOLANT SYSTEM	Radiator & engine capacity	4.9L [1.295gal]
	Max water temperature	111°C [232°F]
	Outlet water temperature	93°C [199°F]
	Fan power	0.5 kW
	Fan air flow w/o restriction	0.8m3/s [1695cfm]
	Available restriction on air flow	10mm CE [0.4in. WG]
	Type of coolant	Gencool
	Thermostat	82-95 °C
GAS SYSTEM	HC	N/A
	CO	N/A
	Nox	N/A
	PM	N/A