



## ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MITSUBISHI S4S-Z2DT62SD , 4-strokes, Turbo , 4 X
	Cylinder Arrangement	L
	Displacement	3.33L [203.2C.I.]
	Bore and Stroke	120mm [4.7in.] X 94mm [3.7in.]
	Compression ratio	19 : 1
	Rated RPM	1500 Rpm
	Piston Speed	6m/s [19.7ft./s]
	Max. stand by Power at rated RPM	38.2kW [51BHP]
	Frequency regulation, steady state	< 6.5%
	BMEP	8.8bar [128psi]
	Governor : type	MECA
EXHAUST SYSTEM	Exhaust gas flow	130L/s [275cfm]
	Exhaust temperature	580°C [1076°F]
	Max back pressure	680mm CE [27in. WG]
FUEL SYSTEM	110% (Stand By power )	11.6L/h [3.1gal/hr]
	100% (of the Prime Power)	10.2L/h [2.7gal/hr]
	75% (of the Prime Power)	7.7L/h [2.0gal/hr]
	50% (of the Prime Power)	5.3L/h [1.4gal/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	0.13L/h [0.0gal/hr]
	Oil capacity carter	9L [2.4gal]
THERMAL BALANCE	Heat rejection to exhaust	41kW [2331Btu/mn]
	Radiated heat to ambient	6.4kW [364Btu/mn]
	Heat rejection to coolant	33.6kW [1910Btu/mn]
AIR INTAKE	Max. intake restriction	250mm CE [10in. WG]
	Engine air flow	48L/s [102cfm]
COOLANT SYSTEM	Radiator & engine capacity	9.5L [2.510gal]
	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	1.1m <sup>3</sup> /s [2331cfm]
	Available restriction on air flow	10mm CE [0.4in. WG]
	Type of coolant	Gencool
	Thermostat	76.5-90 °C
GAS SYSTEM	HC	1.3 g/KW.h Max
	CO	5.0 g/KW.h Max
	Nox	7.0 g/KW.h Max
	PM	0.4 g/KW.h Max