



## ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MITSUBISHI S4Q2-Z261SD , 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	1500 Rpm
	Piston Speed	5.15m/s [16.9ft./s]
	Max. stand by Power at rated RPM	22.2kW [30BHP]
	Frequency regulation, steady state	+/- 2.5%
	BMEP	6.67bar [97psi]
Governor : type	MECA	
EXHAUST SYSTEM	Exhaust gas flow	74L/s [157cfm]
	Exhaust temperature	600°C [1112°F]
	Max back pressure	680mm CE [27in. WG]
FUEL SYSTEM	110% (Stand By power )	7L/h [1.8gal/hr]
	100% (of the Prime Power)	6.4L/h [1.7gal/hr]
	75% (of the Prime Power)	4.8L/h [1.3gal/hr]
	50% (of the Prime Power)	3.4L/h [0.9gal/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	0.06L/h [0.0gal/hr]
	Oil capacity carter	5.5L [1.5gal]
THERMAL BALANCE	Heat rejection to exhaust	21kW [1194Btu/mn]
	Radiated heat to ambient	3kW [171Btu/mn]
	Heat rejection to coolant	20kW [1137Btu/mn]
AIR INTAKE	Max. intake restriction	200mm CE [8in. WG]
	Engine air flow	29L/s [61cfm]
COOLANT SYSTEM	Radiator & engine capacity	8.1L [2.140gal]
	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	0.8m3/s [1695cfm]
	Available restriction on air flow	10mm CE [0.4in. WG]
	Type of coolant	Gencool
	Thermostat	76.5-90 °C
GAS SYSTEM	HC	0.02 g/m3
	CO	0.21 g/m3
	Nox	0.57 g/m3
	PM	0.09 g/m3