



## ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MTU 12V4000G23E , 4-strokes, Turbo , Air/Water DC 12 X
	Cylinder Arrangement	V
	Displacement	57.24L [3493.0C.I.]
	Bore and Stroke	210mm [8.3in.] X 170mm [6.7in.]
	Compression ratio	16.5
	Rated RPM	1500 Rpm
	Piston Speed	10.5m/s [34.4ft./s]
	Max. stand by Power at rated RPM	1562kW [2093BHP]
	Frequency regulation, steady state	+/-0. 5%
	BMEP	19.9bar [288psi]
Governor : type	Elec	
EXHAUST SYSTEM	Exhaust gas flow	470°C [878°F]
	Exhaust temperature	5200L/s [11019cfm]
	Max back pressure	300mm CE [12in. WG]
FUEL SYSTEM	110% (Stand By power )	403L/h [106.5gal/hr]
	100% (of the Prime Power)	365L/h [96.4gal/hr]
	75% (of the Prime Power)	266L/h [70.3gal/hr]
	50% (of the Prime Power)	181L/h [47.8gal/hr]
	Max. fuel pump flow	1500L/h [396.3gal/hr]
OIL SYSTEM	Total oil capacity w/filters	260L [68.7gal]
	Oil Pressure low idle	3.5bar [50.7psi]
	Oil Pressure rated RPM	7bar [101.4psi]
	Oil consumption 100% load	1.825L/h [0.5gal/hr]
	Oil capacity carter	200L [52.8gal]
THERMAL BALANCE	Heat rejection to exhaust	N/A
	Radiated heat to ambient	75kW [4265Btu/mn]
	Heat rejection to coolant	N/A
AIR INTAKE	Max. intake restriction	150mm CE [6in. WG]
	Engine air flow	2100L/s [4450cfm]
COOLANT SYSTEM	Radiator & engine capacity	N/A
	Max water temperature	104°C [219°F]
	Outlet water temperature	100°C [212°F]
	Fan power	N/A
	Fan air flow w/o restriction	N/A
	Available restriction on air flow	N/A
	Type of coolant	Coolelf mdx
	Thermostat	79/92 °C
GAS SYSTEM	HC	150 mg/Nm3 Max
	CO	300 mg/Nm3 Max
	Nox	1700 mg/Nm3 Max
	PM	50 mg/Nm3 Max