



## ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MTU 16V4000G23E , 4-strokes, Turbo , Air/Water DC 16 X
	Cylinder Arrangement	V
	Displacement	76.32L [4657.3C.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	1978kW [2651BHP]
	Frequency regulation, steady state	+/-0. 5%
	BMEP	20.7bar [300psi]
Governor : type	Elec	
EXHAUST SYSTEM	Exhaust gas flow	480°C [896°F]
	Exhaust temperature	7400L/s [15681cfm]
	Max back pressure	300mm CE [12in. WG]
FUEL SYSTEM	110% (Stand By power )	506L/h [133.7gal/hr]
	100% (of the Prime Power)	458L/h [121.0gal/hr]
	75% (of the Prime Power)	336L/h [88.8gal/hr]
	50% (of the Prime Power)	227L/h [60.0gal/hr]
	Max. fuel pump flow	1500L/h [396.3gal/hr]
OIL SYSTEM	Total oil capacity w/filters	300L [79.3gal]
	Oil Pressure low idle	3.5bar [50.7psi]
	Oil Pressure rated RPM	7bar [101.4psi]
	Oil consumption 100% load	2.29L/h [0.6gal/hr]
	Oil capacity carter	240L [63.4gal]
THERMAL BALANCE	Heat rejection to exhaust	N/A
	Radiated heat to ambient	90kW [5117Btu/mn]
	Heat rejection to coolant	N/A
AIR INTAKE	Max. intake restriction	150mm CE [6in. WG]
	Engine air flow	3200L/s [6781cfm]
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