



ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MTU 16V2000G63E , 4-strokes, Turbo , Air/Air DC 16 X
	Cylinder Arrangement	V
	Displacement	31.9L [1946.7C.I.]
	Bore and Stroke	150mm [5.9in.] X 130mm [5.1in.]
	Compression ratio	16 : 1
	Rated RPM	1500 Rpm
	Piston Speed	7.5m/s [24.6ft./s]
	Max. stand by Power at rated RPM	897kW [1202BHP]
	Frequency regulation, steady state	+/-0. 5%
	BMEP	20.2bar [293psi]
Governor : type	Elec	
EXHAUST SYSTEM	Exhaust gas flow	535°C [995°F]
	Exhaust temperature	3100L/s [6569cfm]
	Max back pressure	500mm CE [20in. WG]
FUEL SYSTEM	110% (Stand By power)	226.5L/h [59.8gal/hr]
	100% (of the Prime Power)	203.6L/h [53.8gal/hr]
	75% (of the Prime Power)	150.6L/h [39.8gal/hr]
	50% (of the Prime Power)	101L/h [26.7gal/hr]
	Max. fuel pump flow	450L/h [118.9gal/hr]
OIL SYSTEM	Total oil capacity w/filters	110L [29.1gal]
	Oil Pressure low idle	4bar [58.0psi]
	Oil Pressure rated RPM	6.5bar [94.2psi]
	Oil consumption 100% load	1.02L/h [0.3gal/hr]
	Oil capacity carter	92L [24.3gal]
THERMAL BALANCE	Heat rejection to exhaust	687kW [39063Btu/mn]
	Radiated heat to ambient	50kW [2843Btu/mn]
	Heat rejection to coolant	360kW [20470Btu/mn]
AIR INTAKE	Max. intake restriction	150mm CE [6in. WG]
	Engine air flow	1200L/s [2543cfm]
COOLANT SYSTEM	Radiator & engine capacity	292L [77.1gal]
	Max water temperature	97°C [207°F]
	Outlet water temperature	93°C [199°F]
	Fan power	26 kW
	Fan air flow w/o restriction	18.9m3/s [40051cfm]
	Available restriction on air flow	20mm CE [0.8in. WG]
	Type of coolant	Coolelf mdx
	Thermostat	75-88 °C
GAS SYSTEM	HC	N/A
	CO	N/A
	Nox	N/A
	PM	N/A