



ENGINE SPECIFICATIONS

STANDARD FEATURES	Manufacturer / Model	MTU 18V2000G63E , 4-strokes, Turbo , Air/Air DC 18 X
	Cylinder Arrangement	V
	Displacement	35.8L [2184.6C.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	938kW [1257BHP]
	Frequency regulation, steady state	+/-0. 5%
	BMEP	20bar [290psi]
Governor : type	Elec	
EXHAUST SYSTEM	Exhaust gas flow	580°C [1076°F]
	Exhaust temperature	3600L/s [7629cfm]
	Max back pressure	500mm CE [20in. WG]
FUEL SYSTEM	110% (Stand By power)	246L/h [65.0gal/hr]
	100% (of the Prime Power)	224L/h [59.2gal/hr]
	75% (of the Prime Power)	165L/h [43.6gal/hr]
	50% (of the Prime Power)	111L/h [29.3gal/hr]
	Max. fuel pump flow	450L/h [118.9gal/hr]
OIL SYSTEM	Total oil capacity w/filters	130L [34.3gal]
	Oil Pressure low idle	4.5bar [65.2psi]
	Oil Pressure rated RPM	7.2bar [104.3psi]
	Oil consumption 100% load	1.12L/h [0.3gal/hr]
	Oil capacity carter	N/A
THERMAL BALANCE	Heat rejection to exhaust	829kW [47137Btu/mn]
	Radiated heat to ambient	55kW [3127Btu/mn]
	Heat rejection to coolant	340kW [19332Btu/mn]
AIR INTAKE	Max. intake restriction	150mm CE [6in. WG]
	Engine air flow	1300L/s [2755cfm]
COOLANT SYSTEM	Radiator & engine capacity	302L [79.8gal]
	Max water temperature	97°C [207°F]
	Outlet water temperature	93°C [199°F]
	Fan power	45 kW
	Fan air flow w/o restriction	23.2m3/s [49163cfm]
	Available restriction on air flow	20mm CE [0.8in. WG]
	Type of coolant	Coolelf mdx
	Thermostat	75-x °C
GAS SYSTEM	HC	N/A
	CO	N/A
	Nox	N/A
	PM	N/A