



ENGINE SPECIFICATIONS

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STANDARD FEATURES	Manufacturer / Model	MTU 12V2000G65E , 4-strokes, Turbo , Air/Air 12 X
	Cylinder Arrangement	V
	Displacement	23.88L [1457.2C.I.]
	Bore and Stroke	150mm [5.9in.] X 130mm [5.1in.]
	Compression ratio	16
	Rated RPM	1500 Rpm
	Piston Speed	7.5m/s [24.6ft./s]
	Max. stand by Power at rated RPM	765kW [1025BHP]
	Frequency regulation, steady state	+/-0. 5%
	BMEP	23.3bar [338psi]
Governor : type	Electronique	
EXHAUST SYSTEM	Exhaust gas flow	2800L/s [5933cfm]
	Exhaust temperature	525°C [977°F]
	Max back pressure	300mm CE [12in. WG]
FUEL SYSTEM	110% (Stand By power)	194L/h [51.3gal/hr]
	100% (of the Prime Power)	179L/h [47.3gal/hr]
	75% (of the Prime Power)	131L/h [34.6gal/hr]
	50% (of the Prime Power)	88L/h [23.2gal/hr]
	Max. fuel pump flow	480L/h [126.8gal/hr]
OIL SYSTEM	Total oil capacity w/filters	77L [20.3gal]
	Oil Pressure low idle	4.7bar [68.1psi]
	Oil Pressure rated RPM	7.5bar [108.7psi]
	Oil consumption 100% load	1.79L/h [0.4729gal/hr]
	Oil capacity carter	67L [17.7gal]
THERMAL BALANCE	Heat rejection to exhaust	N/A
	Radiated heat to ambient	40kW [2274Btu/mn]
	Heat rejection to coolant	305kW [17342Btu/mn]
AIR INTAKE	Max. intake restriction	150mm CE [6in. WG]
	Engine air flow	1200L/s [2543cfm]
COOLANT SYSTEM	Radiator & engine capacity	N/A
	Max water temperature	102°C [216°F]
	Outlet water temperature	95°C [203°F]
	Fan power	24.7 kW
	Fan air flow w/o restriction	18.3m ³ /s [38779cfm]
	Available restriction on air flow	20mm CE [0.8in. WG]
	Type of coolant	
Thermostat	°C	
GAS SYSTEM	HC	N/A
	CO	300 mg/Nm ³
	Nox	1500 mg/Nm ³
	PM	20 mg/Nm ³