

Genset Model :	TP2000P
Genset Rating :	2000kVA prime rated genset @ 0.8 PF
Genset type :	Open skid
Frequency :	50Hz
Speed :	1500 rpm
Voltage :	11kV
Engine make :	MTU
Engine model :	MTU 16V4000G23
Alternator model :	Leroy Somer
Alternator make :	LSA53.1UL70

Product	MTU diesel engines
Country of Origin	Germany
Country of Manufacturing	Germany
Model number	MTU 16V4000G23
Technical specification	Mode of operation: prime power (ICXN), 3B
	UIC power rating: 1798kW at 1500RPM
	Reference conditions: intake air temperature 25°C, charge-air coolant temperature 45°C, altitude above sea level 100m, rated power available up to 40°C under 400m

Product	Leroy Somer Alternator
Country of Origin	France
Country of Manufacturing	France
Model number	LSA53.1UL70
Technical specification	2000kVA, 11kV, 4P, 1500RPM, P/F0.8, 3 Phase, 50Hz, Prime rating
	Insulation class H, temperature rise class F, ambient temperature 40°C, double bearings construction, anti friction, regreasable, IP23 enclosure, IC01A cooling method
	With in-built: 6 x PT100 winding sensor (2 per phase), anti-condensation heater, parallel droop kit, NDE insulated bearing, D510 digital AVR, SAE 00 flange

Product	Centamax Flexible Coupling
Country of Origin	Germany
Country of Manufacturing	Germany
Model number	CM-12000-SCA-75-21 (to couple MTU Engine with model 16V4000G23 to Leroy Somer Alternator with model LSA53.1UL70)
Technical specification	SAE 21 aluminium drive ring
	SC hub with $\phi 150$ H7 bore 7 keyway
	75SH NBR element
	Closed coupled arrangement

Product	Perfex Pulley Driven Radiator
Country of Origin	Singapore
Country of Manufacturing	Singapore
Model number	Perfex Pulley Driven Radiator (model: PMT24B0) for MTU Diesel Engine 16V4000G23, 1798kW (prime rating) @ 1500 rpm.
Technical specification	Perfex Pulley Driven Radiators for MTU Diesel Engine 16V4000G23, 1798kW (prime rating) @ 1500 rpm, suitable for 40°C ambient (45°C Air-on temp), completed with: impeller c/w pulley, fan bearing, fan shaft, fan belt, tensional pulley, fuel cooler