

2011 MTU 2.5 MW Diesel Generators

[Inventory ID #213737]



- MTU Engine Details:
 - Engine Model: 20V4000G43
 - Engine Type: 4 Stroke, Water Cooled
 - Aspiration Type: Turbo Charger, Inter-cooler
 - Power: 2740kWh
 - RPM: 1800
 - Number of Cylinders: 20
 - Cylinder Configuration: 90° V
 - Bore: 170mm
 - Stroke: 210mm
 - Displacement: 95.4 Liter
 - Compression Ratio: 16.4:1
 - Combustion System: Direct Injection
 - Mean Effective Pressure: 19.2 bar
 - Mean Piston Speed: 12.6m/s
 - Governor Type: ADEC
 - Cooling System: Radiator

- Hyundai Alternator:
 - Year: 2011
 - Type: HFC7638-4P
 - Rated Capacity: 2500KW
 - Factor: 0.8
 - Rated Voltage: 440 Volts
 - Rated Current: 4100.5 Amps
 - RPM: 1800
 - HZ: 60
 - Brushless Self-Exciting Type
 - Poles: 4
 - 3 Phases
 - Bearing: Anti-Friction Bearing

- Insulation Class: F
- Voltage Adjustment Range: Plus Minus 10%
- Cooling Type: Air Cooled

- Fuel System:
 - Fuel Specification: EN590, Grade Nr.
 - 1/2-D(ASTM D975)
 - Class A2(BS 2869)
 - Fuel Consumption:
 - 100% Load:197g/kWh.
 - 75% Load: 210g/kWh.
 - 50% Load: 225g/kWh.
 - 25% Load: 259g/kWh.
 - No Load: 57.kg/hr.

- Coolant System (High Temperature):
 - Coolant Water Capacity: 205 Liter.
 - Coolant temperature (Engine Outlet): 100°
 - Coolant Flow Rate: 94m³/h
- Coolant System (Low Temperature):
 - Coolant Water Capacity (Intercooler): 55 Liter
 - Coolant Temperature (Intercooler Inlet): 55
 - Coolant Flow Rate: 94m³/h

- Noise:
 - Engine Surface Noise: 115dB(A)
 - Undamped Exhaust Gas Noise: 128dB(A)

- Engine Protection (Alarm/Shutdown):
 - Cooling Water Over Temperature: 102°/104°
 - Intercooler Over Temperature: 75°
 - Lubrication Oil Low Pressure: 3.9bar/3.6bar.
 - Lubrication Over Temperature: 99°/101°
 - Fuel Over Temperature: 100°
 - Engine Over Speed: 1950 RPM

- Location: Asia

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