AL NOOR POWER
Power to the People

Cummins

GENERATOR MODEL: CU200

230/400V, 50HZ @ 1500RPM

Prime Power	200 kVA	160 kW
Standby Power	220 kVA	176 kW

Features:

- **Warranty: 1 year or 1000 hours.**

- **Cummins as the world's leading power engines manufacturer since 1919.**

- **24/7 after sales support.**
  .

- **Easy and economical availability of Spares.**

- **Advance digital control system, Long service life, Easy to Operate, Low Fuel consumption, Anti vibrating Isolators.**

- **Automatic start (optional), Eco-friendly.**

- **Low oil shutdown safety.**

- **Automatic overload protection safety.**

Engine

Cummins (China), Model **6CTAA8.3.G2**, in accordance to ISO3046, ISO 8528, DIN 6271

Alternator

Stamford-UK, Leroy Somer-France, Meccalte-EU Complying to the following Standards:CEE/CE12/3/EN60034-1 / IEC34-1/VDE

Control Panel

Deep Sea Electronics DSE-4000/6000 series, Made in UK, Comply to standards: BS EN 61000, BS EN 60950, BS EN 60068

Fuel Tank

The overall fuel tank capacity: 450 LTR.

Dimensions

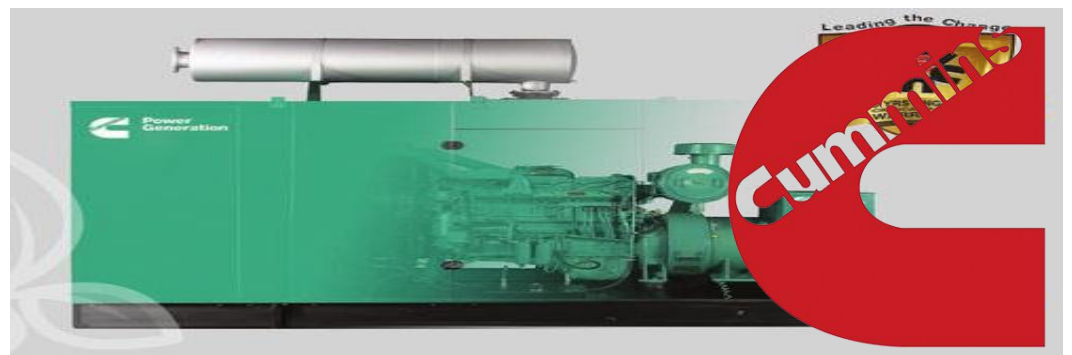L x W x H = 8.0 x 3.5 x 5.75 (without Canopy)

ENGINE TECHNICAL DATA

Engine Make	**Cummins**
Engine Model	**6CTAA8.3.G2**
Number Of Cylinders	**6**
Cylinder Arrangement	**Vertical In Line**
Bore and Stroke	**114 mm x 135 mm**
Governor Type	**Electronic**
Displacement	**8.3 L**
Compression Ratio	**18.0:1**
Aspiration	**Turbocharged, Air to Air Cooled**
Cycle	**4 Stroke**
Combustion System	**Direct Injection**
Rotation	**Anti-clockwise, viewed on flywheel**
Cooling System	**Water - Cooled**
Frequency and Engine Speed	**50Hz and 1500 rpm**
Gross Engine Power (Prime)	**183 kW / 245 h.p**
Gross Engine Power (Standby)	**203 kW / 272 h.p**
Fuel Consumption 100% Load (L/hr) 75% Load (L/hr) 50% Load (L/hr)	**45** **34** **23**
Fuel Tank Capacity	**450 Ltr**
Lubrication System Capacity	**23.8 Ltr**
Total Coolant Capacity	**34.0 Ltr**
Radiator Cooling Air Flow	**5.0 m³/sec**
Combustion Air Flow	**11.5 m³/min**
Exhaust Gas Flow (Prime)	**28.8 m³/min**
Exhaust Gas Flow (Standby)	**32.8 m³/min**
Exhaust Temperature (Prime)	**510 ºC**
Exhaust Temperature (Standby)	**580 ºC**

SCHEMA

FUEL

LUBE SYSTEM

COOLING

AIR INTAKE

EXHAUST

ALTERNATOR TECHNICAL DATA

Insulation System	**Class H**
Winding Pitch	**2/3 to Minimize Harmonics effects**
Number of Poles	**4**
Number of Bearings	**Single Bearing**
RPM	**1500 RPM**
Power Factor	**0.8/1**
Regulation	**± 1%**
Frequency	**50 Hz**
Voltage Range	**380-415 / 220-240**
IP Rating (Protection)	**Ip23**

Synchronous,3/1 phase, Brushless & Self Excited

NOTE: **Alternator Brand & Model is subject to availability.**

SCHEMA

Preview our new **STAMFORD** alternators
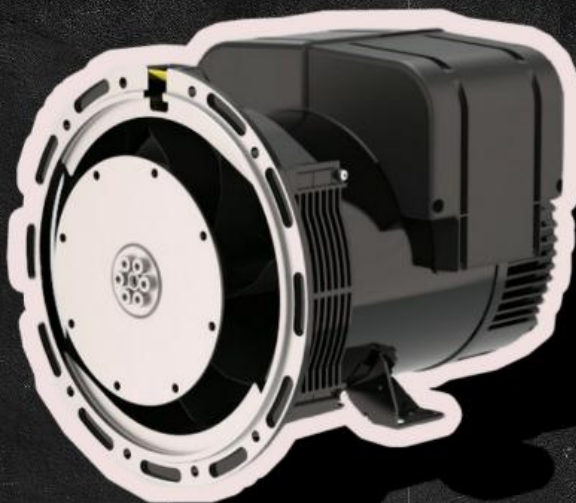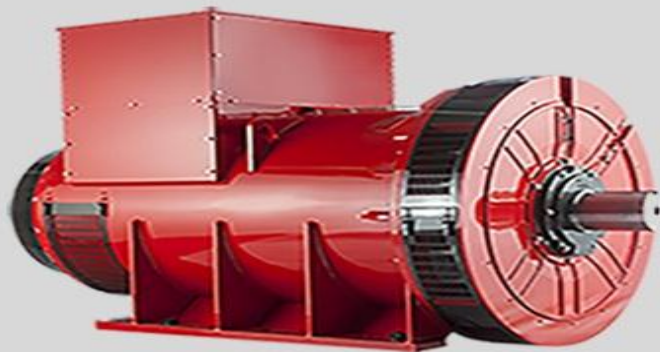
CONTROL MODULE

DEEP SEA ELECTRONICS
(DSE-4000/6000/7000 Series)

DSE®

INDICATORS

- ⊘ Operating Hours
- ⊘ 3 Phase Generator Voltage Sensing & Monitoring
- ⊘ Current Protection & Monitoring
- ⊘ Power Measurement (kW, kVA, kVAr, kWh, kVAh, kVArh, pf)
- ⊘ Frequency Monitoring (Hz)
- ⊘ Oil Pressure/Coolant Temperature
- ⊘ Battery Voltage Monitoring (DC)
- ⊘ Alarm Acknowledge

CONTROLS

- ⊘ Engine Cool Down Timer
- ⊘ Emergency Stop Push button/ Alarm Acknowledge
- ⊘ Warm-up Timer
- ⊘ Load Switching Timer
- ⊘ Engine Cycle Crank

WARNING & SHUTDOWN ALARM

- ⊘ Generator Over/Under Voltage & Frequency
- ⊘ Crank Disconnect (Failure to Start)
- ⊘ Under/Over Speed
- ⊘ Over Current
- ⊘ Low Oil Pressure
- ⊘ High Water Temperature
- ⊘ Low Fuel Level
- ⊘ Low Water Level

FEATURES

- ⊘ User Friendly
- ⊘ Compatible With CAN Engines
- ⊘ License Free Software
- ⊘ Largest Backlit Icon Display In Its Class
- ⊘ Fully Configured Via The Fascia Or Pc Using Usb
- ⊘ Efficient Power Save Mode

Cummins

STAMFORD power generation

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DSE®