

GENERATOR MODEL: CU150

230/400V, 50HZ @ 1500RPM

Prime Power	150 kVA	120 kW
Standby Power	165 kVA	132 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.**

Dimensions

L x W x H = 7.7 x 2.95 x 4.75 (without Canopy)



MAJOR COMPONENTS

ENGINE
Cummins (China), Model 6BTAA5.9G-2, in accordance to ISO3046, ISO 8528, DIN 6271.

RADIATOR
Applicable to operate under ambient temperature up to 55°C.

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

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

FUEL TANK
The overall fuel tank capacity: 250 LTR. (Also)

Engine

Cummins (China), Model 6BTAA5.9G-2, 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

Fuel Tank

The overall fuel tank capacity: 250 LTR

ENGINE TECHNICAL DATA

SPECIFICATION	DETAILS
Engine Make	Cummins
Engine Model	6BTAA5.9G-2
Number Of Cylinders	6
Cylinder Arrangement	Vertical In Line
Bore and Stroke	102 mm x 120 mm
Governor Type	Electronic
Displacement	5.9 L
Compression Ratio	16.5:1
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)	132 kW / 177 h.p

ENGINE TECHNICAL DATA

SPECIFICATION	DETAILS
Gross Engine Power (Standby)	145 kW / 194 h.p
Fuel Consumption (100% Load)	28 L/hr
Fuel Consumption (75% Load)	20 L/hr
Fuel Consumption (50% Load)	13 L/hr
Fuel Tank Capacity	250 Ltr
Lubrication System Capacity	16.4 Ltr
Total Coolant Capacity	29.0 Ltr
Radiator Cooling Air Flow	2.7 m ³ /sec
Combustion Air Flow	9.0 m ³ /min
Exhaust Gas Flow (Prime)	29.3 m ³ /min
Exhaust Gas Flow (Standby)	35.3 m ³ /min
Exhaust Temperature (Prime)	519 °C
Exhaust Temperature (Standby)	520 °C

ALTERNATOR TECHNICAL DATA

SPECIFICATION	DETAILS
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

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



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