





### CONTROL PANEL

Make **DEEP SEA**

Model **DSE 6120**

The **DSE 6120** MKIII is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single diesel or gas genset applications. It includes a backlit LCD display which clearly shows the status of the engine all the times. This module can either be programmed using the front panel or by using the DSE configuration suite PC software.

### METERING AND ALARM INDICATIONS:

- Generator frequency
- Underspeed, Overspeed
- Generator volts (L-L, L-N)
- Generator current
- Engine oil pressure
- Fuel level (Warning or shutdown) - Optional
- Failed to reach loading voltage/frequency
- CAN diagnostics and CAN fail/error
- Engine oil pressure
- Engine coolant temperature
- Battery volts
- Fail to start/stop
- Emergency stop
- Charge fail
- Low DC voltage
- Hours run counter

### DIMENSIONS AND WEIGHT

	Length	Width	Height	Weight
<b>Open Type</b>	4900 mm	2190 mm	2070 mm	6415 kg
<b>Closed Type</b>	12190 mm	2440 mm	2900 mm	17015 kg

### RATINGS DEFINITION

#### Prime Power

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power.

10% overload power is available for 1 hour in 12 hours continuous operation.

#### Standby Power

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings.

### STANDARD REFERENCE CONDITIONS

Output ratings are presented at 25°C air inlet temperature, barometric pressure 100 kPa, relative humidity 30%. This generating set is designed to operate at high ambient temperatures (up to 55°C), humidity (up to 99%) and higher altitudes. Deration may apply, please consult your dealer for specific site ratings.

### AVAILABLE OPTIONS & ACCESSORIES

We offer a range of optional features and accessories to tailor our generating sets to meet your power needs.

#### OPTIONS

- A variety of generating set control and synchronizing panels
- Additional protection alarms and shutdowns
- Water fuel separator
- Water jacket heater
- Battery charger

#### ACCESSORIES

- Genuine spare parts
- Load banks
- Auxiliary fuel tanks
- Manual & automatic transfer switches

### GENERAL SPECIFICATIONS

#### • MOTOR STARTING

An overload capacity equivalent to 300% of the Full Load impedance at zero Power Factor can be sustained for 10 seconds, when PMG option is fitted.

#### 7. MOUNTING ARRANGEMENT

##### • BASE FRAME

The complete Generating Set is mounted as a whole on a heavy duty fabricated steel Base frame.

##### • COUPLING

The Engine and Alternator are directly coupled by means of an SAE flange. The Engine flywheel is flexibly coupled to the Alternator rotor.

##### • ANTI-VIBRATION MOUNTING PADS

Anti-Vibration pads are affixed between the Engine/Alternator feet and the Base frame thus ensuring complete vibration isolation of the rotating assembly.

##### • SAFETY GUARDS

The Fan & Fan Drive along with the Battery Charging Alternator are Safety Guard protected for personnel protection.

#### 8 FACTORY TESTS

- The Generating set is load tested before dispatch
- All protective devices control functions and site load conditions are simulated. The generator and it's systems are checked before dispatch.

#### 9. EQUIPMENT FINISHING

All mild steel components are fully degreased and painted with powder coated paint to ensure maximum scuff resistance and durability.

#### 10. DOCUMENTATIONS

The base frame design can be incorporated with an integral fuel tank with a capacity of approx. 8 hours running at Full Load. The tank is supplied complete with fill cap breather, fuel feed and return lines to the Engine and drain plug.

#### 11. QUALITY STANDARDS

The equipment meets the following standards: BS4999, BS5000, BS5514 IEC 60034, VDE0530, NEMA MG 1.22 and ISO 8528.

#### 12. WARRANTY

All of the Generating Sets provided by Hulool Motors are covered under a warranty policy for a period of 12 months.