

## DIESEL GENERATOR SETS

**HEXAGEN**

**Powered by CUMMINS Engines**

**HGC-180 60HZ**

### Output Ratings

| Three-Phase, 60Hz, 1800RPM |                            |                            |
|----------------------------|----------------------------|----------------------------|
| Output                     | Standby Power              | Prime Power                |
|                            | 250KVA /200KW<br>220V-440V | 227KVA/2182KW<br>329A-657A |

Ratings at 0.8 power factor

- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation, , under variable load 24/24h-10% over load permissible 1 hour/12 hours

### Performance Data

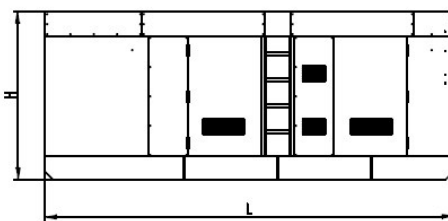
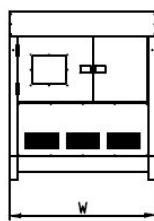
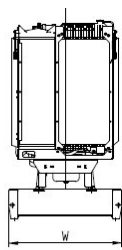
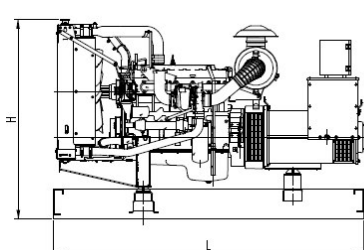
|  |                 |                       |
|--|-----------------|-----------------------|
| Engine Brand & Model                         |                 | Cummins& 6LTAA8.9-G2  |
| Alternator Brand & Model                     |                 | Meccalte & ECO38 1S4A |
| Control System                               |                 | DSE4620               |
| Standard Noise Level@7m<br>(Soundproof Sets) |                 | 70dBA                 |
| Circuit Breaker Type                         |                 | 3 Pole MCCB           |
| Tank (L)                                     | Open sets       | 275                   |
|  | Soundproof Sets | 380                   |
| Fuel Consumption<br>(l/hr)                   | 110% Load       | 66                    |
|  | 100% Load       | 59                    |
|  | 75% Load        | 44                    |
|  | 50% Load        | 30                    |

### Features

- Strong power, high torque, easy to maintain, easy to start;
- Low noise, low emissions;
- Cabinet made of high quality sheet metal, corrosion-resistant, scratch-resistant;
- Canopy sealing performance, high waterproof, dust-proof, rain, dust and other difficult to access;
- Omni-directional control, easy connection and simple;
- Cranes, fork, pull, drag, easy transportation;
- ≥8-hour fuel tanks;
- Open Type with 40 c radiator, Soundproof type with 50 °C radiator

### Dimensions and Weights

| Content          |   | Open Sets | Soundproof Sets |
|------------------|---|-----------|-----------------|
| Dimensions: (mm) | L | 2550      | 3530            |
|                  | W | 960       | 1150            |
|                  | H | 1630      | 1900            |
| Weights (kg)     |   | 2000      | 2600            |



## Engine Brand / Model: CUMMINS /6LTAA8.9-G2

|                              |                            |                         |         |          |
|------------------------------|----------------------------|-------------------------|---------|----------|
| No. of Cylinders / Alignment | 6/ In Line                 | Gross Engine Power (kW) | Standby | 258      |
| Cycle                        | 4 Stroke                   |                         | Prime   | 235      |
| Bore / Stroke                | 114 mm / 145 mm            | Compression Ratio       |         | 16.6:1   |
| Induction                    | Turbocharged & Aftercooled | Displacement (L)        |         | 8.9      |
| Cooling Method               | Water                      | Governing Type          |         | Electric |
| Lubricant Oil                | 15W40-CF4 Upgrade          | Net weight (kg)         |         | 650      |
| Lubricant Oil Capacity (L)   | 27.6                       | Coolant Capacity (L)    |         | 11.1     |

## Alternator Brand / Model: Meccalte / ECO38 1S4A

|                               |                    |   |                     |
|-------------------------------|--------------------|---|---------------------|
| Standby Capacity (kVA)        | 250                | A.V.R. Model                            | DSR                 |
| Standby Power (kW)            | 200                | Voltage Regulation (no load- full load) | ± 1.0%              |
| THF(BS EN60034 – 1)           | <2%                | Underspeed Protection                   | Standard            |
| Bearing Number                | Single             | Protection                              | IP23                |
| Windings                      | 100% Copper        | Phase Sequence                          | A(U), B(V), C(W)    |
| Silicon Steel Core Processing | One Piece Punching | TIF(NEMA MG 1-22)                       | <50                 |
| Insulation Class              | H                  | Excitation System                       | Self-excited, SHUNT |
| Winding Pitch                 | 2 / 3              | Ambient Temp                            | 50 °C               |
| Amortisseur Winding           | Full               | Stator Rated Temp                       | 125 °C              |

## Control System :



**DSE4620**

DSE4620 is the Auto Start Module when mains failure, used to control a single generator set. Used for control of diesel and gas engine, providing advanced engine testing and protection function.

The DSE4620 module includes a backlit LCD display which clearly shows the status of the engine at all time..

The module can monitor the frequency, voltage, current, oil pressure, water temperature and fuel level and also display the warning and shutdown status of the engine.

The module includes 7 roads input and 6 roads output. Program can be set by panel and PC software suite.



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We reserve the right to make changes in model, technical specification, color, configuration and accessories without prior notice. Please contact the us before ordering.