



DIESEL GENERATOR SETS

HEXAGEN

Powered by CUMMINS Engines

HGC-120 60HZ

Output Ratings

Three-Phase , 60Hz , 1800RPM		
Output	Standby Power	Prime Power
	165KVA/132KW 220V-440V	150KVA/120KW 216.6-433.1A

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

Features

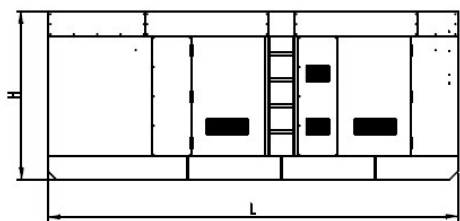
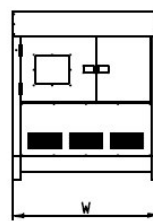
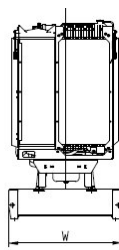
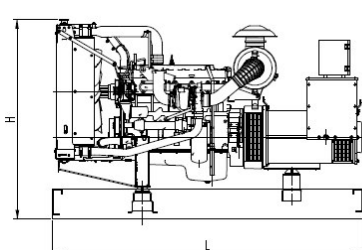
- Strong power, high torque, easy to maintain, easy to start;
- Low noise, low emissions;
- Cabinet made of high quality sheet metal, corrosion-resistant, scratch-resistant;
- Canopy sealing performance, high waterproof, dust-proof, rain, dust and other difficult to access;
- Omni-directional control, 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

Performance Data

Engine Brand & Model		Cummins& 6BTAA5.9-G2
Alternator Brand & Model		Meccalte & ECP34 1L4A
Control System		DSE4620
Standard Noise Level@7m (Soundproof Sets)		70dBA
Circuit Breaker Type		3 Pole MCCB
Tank (L)	Open sets	200
	Soundproof Sets	240
Fuel Consumption (l/hr)	110% Load	38
	100% Load	34
	75% Load	25
	50% Load	18

Dimensions and Weights

Content		Open Sets	Soundproof Sets
Dimensions: (mm)	L	2300	3250
	W	900	1130
	H	1440	1670
Weights (kg)		1300	1800



Engine Brand / Model: CUMMINS /6BTAA8.9-G2

No. of Cylinders / Alignment	6/ In Line	Gross Engine Power (kW)	Standby	145
Cycle	4 Stroke		Prime	132
Bore / Stroke	102 mm / 120 mm	Compression Ratio		17.3:1
Induction	Turbocharged & Aftercooled	Displacement (L)		5.9
Cooling Method	Water	Governing Type		Electronic
Lubricant Oil	15W40-CF4 Upgrade	Net weight (kg)		411
Lubricant Oil Capacity (L)	14.2	Coolant Capacity (L)		10

Alternator Brand / Model: Meccalte / ECP34 1L4A

Standby Capacity (kVA)	165	A.V.R. Model	DSR
Standby Power (kW)	132	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.