

DIESEL GENERATOR SETS

HEXAGEN

Powered by FAWDE Engines

HGF-50 60HZ

Output Ratings

Single-Phase , 60Hz , 1800RPM		
Output	Standby Power	Prime Power
	55KVA/ 55KW	50KVA/50KW
	220V	227A

Performance Data

Engine Brand & Model		FAWDE / 4DX23-82D
Alternator Brand & Model		HOPOW / UC224E
Control System		DSE4620/HGM6120
Standard Noise Level@7m (Soundproof Sets)		75dBA
Circuit Breaker Type		-
Tank (L)	Open sets	-
	Soundproof Sets	130
Fuel Consumption (l/hr)	110% Load	/
	100% Load	12.5
	75% Load	/
	50% Load	/

Ratings at 0.8 power factor

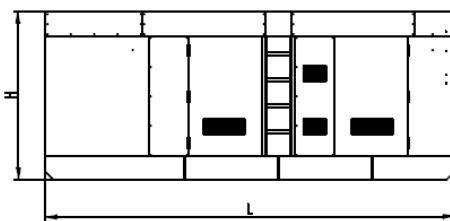
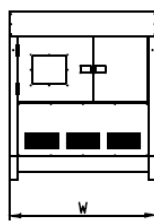
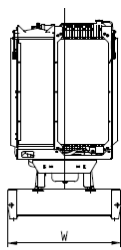
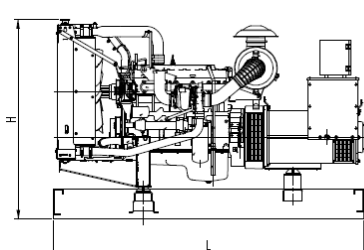
- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation, , under variable load 24/24h-10% over load permissible 1 hour/12 hours

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

Dimensions and Weights

Content		Soundproof Sets
Dimensions: (mm)	L	2400
	W	950
	H	1200
Weights (kg)		1150



Engine Brand / Model: FAWDE / 4DX23-82D

No. of Cylinders / Alignment	4/ In Line	Gross Engine	Standby	66
Cycle	4 Stroke	Power (kW)	Prime	60
Bore / Stroke	102mm / 118mm	Compression Ratio		17:1
Induction	Turbocharged	Displacement (L)		3.86
Cooling Method	Water	Governing Type		Mechanical
Lubricant Oil	15W40-CF4 Upgrade	Net weight (kg)		220
Lubricant Oil Capacity (L)	13	Coolant Capacity (L)		/

Alternator Brand / Model: HOPOW / UC224E

PRIME Capacity (kVA)	50	A.V.R. Model	AS440
PRIME Power (kW)	50	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

- Monitoring engine speed, oil pressure, coolant temperature, frequency, voltage, current, power and fuel level, the modules will give comprehensive engine and alternator protection. This will be indicated on the largest back-lit LCD icon display in its class via an array of warning, electrical trip and shutdown alarms.
- Alternator sensing, engine support for diesel, gas and petrol engines all in one variant. With a number of flexible inputs, outputs and protections, the modules can be easily adapted to suit a wide range of applications including lighting towers with the added option for staged loading outputs.
- Through USB Communication both modules can be easily configured using the DSE Configuration Suite PC Software or can be fully configured through the module's front panel editor.

