

DIESEL GENERATOR SETS

HEXAGEN

Powered by FAWDE Engines

HGF-36

60HZ

Output Ratings

| Three-Phase , 60Hz , 1800RPM | | |
|------------------------------|-------------------|-------------|
| Output | Standby Power | Prime Power |
| | 50KVA/40KW | 45KVA/36KW |
| | 220V-440V | 124A |

Performance Data

| | | |
|--|-----------------|-------------------|
| Engine Brand & Model | | FAWDE / 4DX22-60D |
| Alternator Brand & Model | | HOPOW / BC184J |
| Control System | | DSE4620/HGM6120 |
| Standard Noise Level@7m (Soundproof Sets) | | 75dBA |
| Circuit Breaker Type | | - |
| Tank (L) | Open sets | - |
| | Soundproof Sets | 90 |
| Fuel Consumption (l/hr) | 110% Load | / |
| | 100% Load | 9.2 |
| | 75% Load | / |
| | 50% Load | / |

Ratings at 0.8 power factor

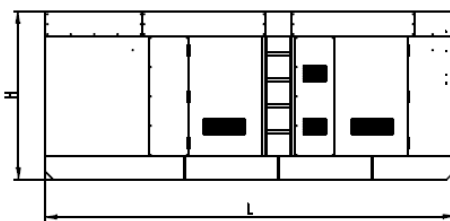
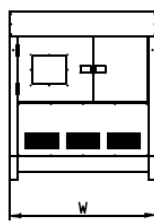
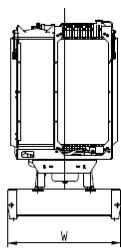
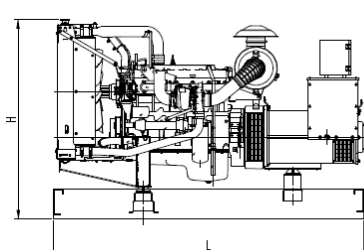
- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation, , under variable load 24/24h-10% over load permissible 1 hour/12 hours

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 | 2300 |
| | W | 950 |
| | H | 1200 |
| Weights (kg) | | 1050 |



Engine Brand / Model: FAWDE / 4DW91-38D

| | | | | |
|------------------------------|-------------------|------------------------|---------|------------|
| No. of Cylinders / Alignment | 4/ In Line | Gross Engine | Standby | 50 |
| Cycle | 4 Stroke | Power (kW) | Prime | 45 |
| Bore / Stroke | 102mm / 118mm | Compression Ratio | | 17:1 |
| Induction | Turbocharged | Displacement (L) | | 3.9 |
| Cooling Method | Water | Governing Type | | Mechanical |
| Lubricant Oil | 15W40-CF4 Upgrade | Net weight (kg) | | 220 |
| Lubricant Oil Capacity (L) | 8.0 | Coolant Capacity (L) | | / |

Alternator Brand / Model: HOPOW / BC184F

| | | | |
|-------------------------------|--------------------|---|------------------------|
| PRIME Capacity (kVA) | 47.25 | A.V.R. Model | AS440 |
| PRIME Power (kW) | 37.8 | 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.

