

VH-38E

POWERED BY HATZ EURO V SERIES 50Hz



50Hz 1500rpm 3P 400V

| | | |
|----------------------|--------|--------|
| Model | | VH-38E |
| Power(ESP) | kW/kVA | 28/35 |
| Power(PRP) | kW/kVA | 30/38 |
| Rated Voltage | V | 400 |
| Rated Current | A | 50.5 |
| Rated rotation speed | r/min | 1500 |
| Power Factor | Pf | 0.8 |

STANDARDS:

Genset: GB/T2820—2009, ISO8528

Alternator: VDE0530, NEMA MG1-32, IEC34, AS1359

Diesel Engine: ISO3046, DIN6271, EURO V STAGE

Standby Power: Continues running at variable load for duration of an emergency. No overload is permitted on these ratings.

Prime Power: Continues running at variable load for unlimited periods with 10% overload available for 1 hour in any 12 hour period.

| | | |
|-------------------|-------------|---|
| Frequency | Hz | 50 |
| Fuel Consumption | L/h | 5.5 (50%) 7.8 (75%) 10.6 (100%) 11.8 (110%) |
| Phase No | | 3-phase |
| Insulation Grade | | H |
| Pole Numbe | | 4 |
| Excitation Mode | | Self-excitation |
| Panel Type | | Digital Panel |
| Performance Grade | | G3/G3 |
| Noise level (Db) | Open Type | 98±2 |
| | Slient Type | 67±2 |

CONFIGURATION:

Standard: Engine, alternator, cooling system, Base frame (excluding fuel tank), shock absorber, air inlet system, control box (including mains floating charge), plastic fan blades (when the engine and water tank do not bring).

Optional: Base frame (including fuel tank), water jacket heater, fuel water separator, fuel heater, fuel level sensor (only supporting underframe tank), switch box (with switch), power switch, the water level sensor, motor anti condensation heater, automatic fueling system (only supporting base frame including fuel tank), battery frame.

Accessories: Silencer, bellow, exhaust silencing system accessories (with the matching engine), regular battery, starting cord assembly, data of genset, random tool (with the matching engine).

Engine:

| | | | |
|--------|---------------------------|-------|---|
| Engine | Engine Manufacturer | | HATZ |
| | Engine Mode | | 4H50TICD |
| | Engine Type | | 4 Stroke; In-line; 4 Cylinder Diesel |
| | Air intake way | | Turbocharged with charge air cooling |
| | Cyl. | | 4 |
| | Cylinder Bore | mm | 84 |
| | Stroke | mm | 88 |
| | Displacement | L | 1.952 |
| | Rated Power | KW/HP | 37.4/50 |
| | Compression Ration | | 17.5:1 |
| | Fuel System | | Direct injection with Bosch off-highway common-rail system |
| | Cooling System | | Water cooled |
| | Lubrication System | | Pressure splashed |
| | Starting System | | Electrical Starting |
| | Fuel Type | | To conforms to USA Fed Off Highway - EPA2D 89.330-96 or GB 252-2000 |
| | Lube oil brand | | 15W40-CH4 Upgrade |
| | Capacity of cooling water | L | 10.2L |
| | Lube Capacity | L | 7.0L |
| | Starting Voltage | V | DC12V |

Alternator:

| | | |
|------------|----------------------------|---|
| Alternator | Alternator Manufacturer | Stamford |
| | Alternator Model | PI144H |
| | Control System | AVR |
| | Insulation System | Class H |
| | Protetion | IP44 |
| | Rated Power Factor | 0.8 |
| | Stator winding | Standard No.6 |
| | Temperature grade | H |
| | Voltage Regulation | ±0.5% |
| | Satisfying Standardization | IEC60034,NEMA MG1.22,ISO 8528,CSA,UL1446,UL 1004B |

Control System



DSE6020 module is indicated on a large back-lit LC icon .
Display via an array of warning, electrical trip and shutdown alarm .
Monitoring engine speed, oil pressure, coolant temperature, frequency, voltage, current, power and fuel level.
The modules give comprehensive engine and alternator protection.

KEY BENEFITS

- auto and manual function
- AMF and ATS function
- Engine idle control for starting & stopping
- Engine run-time scheduler
- Generator/load power monitoring (kW, kVA, kV Ar, pf)
- Generator/load current monitoring and protection
- Comprehensive warning, electrical trip or shutdown protection upon fault condition
- CAN, MPU and alternator
- Fully configurable via the fascia or PC using USB
- 1 alternative configuration
- 3 engine maintenance alarms
- 4 configurable DC outputs
- 4 configurable analogue/digital inputs
- 6 configurable digital inputs
- Support for 0-10 V & 4-20 mA oil pressure sensors
- LCD and LED alarm indication
- Configurable event log (50)



DSE7320 is an Auto Mains (Utility) Failure Control Module suitable for a wide variety of single, diesel or gas, gen-set applications. Monitoring an extensive number of engine parameters, the modules will display warnings, shutdown and engine status information on the back-lit LCD screen, illuminated LEDs, remote PC and via SMS text alerts (with external modem). DSE7320 module include USB, RS232 and RS485 ports as well as dedicated DSENet® terminals for system expansion.

KEY BENEFITS

- auto and manual function
- AMF & ATS & Communication & Expansion
- Engine parameters: speed, oil pressure, water temperature, battery voltage, oil level%, running hours, start times and charging voltage.
- Alternator parameters: frequency, three phase voltage(L-L, L-N) and three phase current
- Power parameters: KVA, KW, PF, KVAR, KWh, KVAH and KVARH
- Mains parameters: Frequency, three phase voltage(L-L, L-N)
- 16 countries languages and can be editable Polish, German, French, Dutch, American English, Portugal, Swedish language, Thai Language, Turkish, Spain, Italian, Spain(Mexico) and Chinese and so on .
- PLC Logical function (up to 100)
- Engine, alternator and mains control & protection.
- Engine Speed, Engine Oil Pressure, Engine Water Temperature, Battery Charger Voltage, Alternator Voltage & Current & Frequency, Mains voltage and frequency.
- With RS232 & RS485 Communication ports.
- Modbus RTU communication protocol.
- 3 alternative configuration (Eg: shift from 50HZ / 60HZ or Single/ Three phase output voltage)
- Pre-set running hours(gen-set need start up regularly and maintain)
- Pre-set maintenance period(Engine running 250 hours and need change the three filters)
- 12 configurable inputs and 8 configurable outputs
- Configurable event log (250)



The DSE8610 is an easy to use multi-generator load share system ,designed to synchronise up to 32 generators including electronic and non-electronic engines. The DSE8610 monitors the generator and indicates operational status and fault conditions, automatically starting or stopping the engine on load demand or fault condition. Using the DSE PC Configuration Suite Software allows easy alteration of the operational sequences, timers and alarms. With all communication ports capable of being active at the same time, the DSE8610 is ideal for a wide variety of demanding load share applications.

KEY BENEFITS

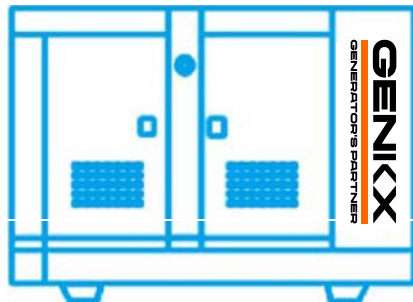
- Comprehensive load share capabilities
- Configurable inputs (11)
- Configurable outputs (8)
- Voltage measurement
- Built-in governor and AVR control
- kW overload alarms
- Comprehensive electrical protection
- RS232 & RS485 remote communication
- Modbus RTU
- PLC functionality
- Multi event exercise time
- Back-lit LCD 4-line text display
- Worldwide language support
- Automatic start/Manual start
- Peak lopping
- Sequential set start
- Manual voltage/frequency adjustment
- R.O.C.O.F. and vector shift
- Generator load demand
- Automatic hours run balancing
- Mains (Utility) de-coupling
- Mains (Utility) de-coupling test mode
- Dead bus sensing
- Bus failure detection
- Direct governor and AVR control
- Volts and frequency matching
- kW and kVA load sharing
- Configurable event log (250)



Open type

Weight& Dimension:

| | | |
|--------|----|------|
| L | mm | 1650 |
| W | mm | 750 |
| H | mm | 1280 |
| Weight | Kg | 887 |



Silent type

Weight& Dimension:

| | | |
|--------|----|------|
| L | mm | 3300 |
| W | mm | 1800 |
| H | mm | 1500 |
| Weight | kg | 1480 |

Local Distributor:

Local Distributor:

GENIKX reserves the right to make change in model,technical specifications.

Drawings can be used as reference,
include the optional components.

All the industrial designs have been patented.

