



VS1650BD-L

Output Power

| | | |
|---------------------|-----|------|
| Standby Power (ESP) | kVA | 1650 |
| | kW | 1320 |
| Prime Power (PRP) | kVA | 1500 |
| | kW | 1200 |

Size

| | W x L x H (mm) | Weight (kg) | Fuel Tank (lt) | Noise dB (A) @ 7m |
|-----------|--------------------|-------------|----------------|-------------------|
| Canopied | 2470 x 9145 x 3150 | 15705 | 2350 | 93 |
| Open Skid | 2250 x 5140 x 2840 | 9305 | 2500 | N/A |

TBA: To Be Asked / N/A: Not Applicable

Continuous Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a constant electrical load. Average load can be 100%. The generator must not be overloaded.

Standby Power

The max power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 hrs of operation per year under average of 70% load. Overloading isn't permissible.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

Engine

| | | |
|------------------------------------|--------|-------------------------|
| Manufacturer | | BAUDOUIIN |
| Model | | 16M33G1700/5 |
| No of Cylinders | | 16 |
| Cylinder Configuration | | V Type |
| Displacement | lt | 52,3 |
| Stroke | mm | 185 |
| Bore | mm | 150 |
| Compression Ratio | | 15:1 |
| Aspiration | | TURBOCHARGE-AFTERCOOLER |
| Governor Type | | ECU |
| Cooling System | | WATER |
| Coolant Capacity | lt | 400 |
| Lubrication Oil Capacity | lt | 171 |
| Electrical System | VDC | 24 |
| Speed / Frequency 50 Hz | rpm | 1500 rpm / 50 Hz |
| Engine Gross Power (Standby 50 Hz) | kW | 1530 |
| Fuel Consumption %110 ESP 50 Hz | lt/h | 362,1 |
| Fuel Consumption %100 PRP 50 Hz | lt/h | 327,5 |
| Fuel Consumption %75 PRP 50 Hz | lt/h | 243,5 |
| Fuel Consumption %50 PRP 50 Hz | lt/h | 166,7 |
| Exhaust Outlet Temperature 50 Hz | °C | 550 |
| Exhaust Gas Flow 50 Hz | m3/min | 347 |
| Combustion Air Flow 50 Hz | m3/min | 104 |
| Cooling Air Flow 50 Hz | m3/min | 2280 |

Alternator

| | | |
|-----------------------------------|-----|--|
| Manufacturer | | LEROY-SOMER |
| Model | | LSA 50.2L8 |
| No of Phases | | 3 |
| Power Factor | | 0,8 |
| No of Bearings | | SINGLE |
| No of Poles | | 4 |
| No of Leads | | 6 |
| Voltage Regulation (Steady State) | | ± %0,5 |
| Insulation Class | | H |
| Degree of Protection | | IP 23 |
| Excitation System | | AVR (Automatic Voltage Regulator), Brushless |
| Connection Type | | STAR |
| Total Harmonic Content (No Load) | | < %3,5 |
| Frequency | Hz | 50 |
| Voltage Output 50 Hz | VAC | 230 / 400 |
| Rated Power (Standby) 400_50 Hz | kVA | 1650 |
| Rated Power (Continuous) 400_50 | kVA | 1500 |
| Efficiency (4/4_400 V_50 Hz) | % | 95,2 |

509-T

Control Panel Features 509-T

- The 509T is a next generation genset control unit combining multifunctionality and wide communication possibilities together with a reliable and low cost design.
- The unit complies and mostly exceeds world's tightest safety, EMC, vibration and environmental standards for the industrial category.
- Software features are complete with easy firmware upgrade process through USB port. The Windows based PC software allows monitoring and programming through USB, RS-485, Ethernet and GPRS.
- The PC and server based Rainbow Scada software allows monitoring and control of an unlimited number of gensets from a single central location.



Functions

- AMF unit with uninterrupted transfer
- ATS unit with uninterrupted transfer
- Remote start controller
- Manual start controller
- Engine controller
- Remote display & control unit
- Waveform display of V & I
- Harmonic analysis of V & I
- CTs at genset or load side

Topologies

- 2 phase 3 wires, L1-L2
- 2 phase 3 wires, L1-L3
- 3 phase 3 wires, 3 CTs
- 3 phase 3 wires, 2 CTs (L1-L2)
- 3 phase 3 wires, 2 CTs (L1-L3)
- 3 phase 4 wires, star
- 3 phase 4 wires, delta
- 1 phase 2 wires

Communications

- SM-GPRS
- Web monitoring
- Web programming
- GSM-SMS
- e-mail
- USB Device
- RS-232
- J1939-CANBUS

- Technical information and values are according to ISO8528, ISO3046, NEMAMG-1.22, IEC 600341, BS 4999-5000, VDE 0530 standards.
- Producing with ISO9001, ISO14001, OHSAS18001, TSE, CE standards.
- All information given in this leaflet is intended for general purposes only.

