

**Baudouin Series****GHD1600BCL****Technical Data**

Baudouin Power Generator

1600kW Standby

Features

- ♦ Baudouin engine 16M33G1650/6
- ♦ LeroySomer alternator LSA 50.2VL10
- ♦ DeepSea Controller DSE8610
- ♦ Circuit Breaker 2500Amp
- ♦ Base Fuel tank 2000 L & With water preheater
- ♦ Emergency stop button, alarm, panel light
- ♦ 24V maintenance free battery, battery wires
- ♦ Float battery charger
- ♦ Battery isolator switch
- ♦ Powder coated canopy
- ♦ Radiator with engine driven fan mounted
- ♦ Anti-vibration mountings
- ♦ Silencers with flexible connects and elbow
- ♦ Test report, drawing, operation and maintenance manual



Genset Main Data

Genset Model	GHD1600BCL	
Prime Power	1450KW/ 1812.5KVA	
Standby Power	1600KW/ 2000KVA	
Frequency/Speed	60Hz/1800rpm	
Standard Voltage	480VCA	
Power Factor	0.8	
Phases	Three phases, four wires	
Fuel Cons. (L/H)	110% prime power	435.4
	100% prime power	382.8
	75% prime power	282.9
	50% prime power	187.5
Dimensions(L×W×H)mm	Container Type	
	40HQ	
External Fuel Tank (H)	8	

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation. In accordance with ISO 3046-1.

Standby Power Rating is applicable for supplying emergency power in variable load applications for up to 200 hours per year in accordance with ISO8528-1. Overload is not allowed.

Engine Data

Engine Model	16M33G1650/6
Brand	Baudouin
Engine Speed	1800rpm
Rated Power	1625KW
Bore and Stroke	150*185
Cy/No. and Arrangement	Water-cooled, 4-stroke,16-cyl V
Displacement(L)	52.3
Compression ratio	15:1
Coolant Capacity(Engine)	130
Oil capacity	175
Aspiration	Turbocharged and Aftercooled
Governor Type	ECU
Starter	24V

Alternator Data

Alternator Model	LSA 50.2 VL10
Brand	LEROY SOMER
Output Power	1625KW
Voltage Control	AVR
Number of Phase	3
Power Factor (Cos Phi)	0.8
Insulation Class	H
Protection	23
Number of Pole	4
Rated voltage range	±5%
Totale Harmonic Distortion	< 5 %
Bearing	Single
Connection	Series Star
Coupling	Direct

Control System



DeepSea Panel

Model DSE7320

The DSE7320 is an easy to use Synchronising and Start Control Module suitable for use in a multi-generator loadshare 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. System alarms are annunciated on the LCD screen (multiple language options available), illuminated LED and audible sounder. The event log will record 250 events to facilitate easy maintenance. An extensive number of fixed and flexible monitoring, metering and protection features are included as well as comprehensive communication and system expansion options. 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 FEATURES:**

- Peak loading/sharing (with DSExx60)
- Sequential set start
- Manual voltage/frequency adjustment
- R.O.C.O.F. and vector shift protection
- 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 VR control
- Volts and frequency matching
- kW and kV r load

KEY FEATURES

- Comprehensive synchronising & loadsharing capabilities
- Built-in governor and VR control
- Base load (kW export) functionality
- Mains (utility) de-coupling protection
- Generator power (kW, kV r, kV & pf) monitoring
- Overload (kW & kV r) protection
- Reverse power (kW & kV r) protection
- Unbalanced load protection
- Independent earth fault protection
- Advanced integral PLC editor
- 11 Configurable inputs
- 8 Configurable outputs
- Configurable flexible sensor inputs
- DSENet® expansion compatibility
- User configurable RS232, RS485 and Ethernet communications
- Remote SC D monitoring via various DSE software applications
- MODBUS RTU & TCP support
- User configurable MODBUS pages
- Advanced SMS control and fault messaging (additional GSM modem required)
- Easy access diagnostic pages including modem diagnostic pages
- Data logging and trending
- C N, MPU and Frequency speed sensing
- Tier 4 C N engine support
- "Protections disabled" feature
- Front panel editing with PIN protection
- Fully configurable using DSE Configuration Suite PC software via USB
- 4 Line back-lit LCD text display
- LED and LCD alarm indication
- Configurable display languages
- USB connectivity
- Customisable status screens
- Five key menu navigation
- 3 Configurable maintenance alarms
- Multiple date and time run scheduler
- Manual fuel pump control
- Fuel usage monitor and low fuel level protection
- Charge alternator failure protection
- Load

Optional

Genset

- * Trailer
- * Dual frequency (50/60hz both)
- * Customised canopy design
- * Special required sound level
- * 50°C ambient temperature
- * Synchronization system

Exhaust System

- * Customised exhaust connection way

Fuel System

- * Dual wall base fuel tank
- * Enlarge base fuel tank
- * External daily fuel tank
- * External Fuel Pump
- * Low fuel level alarm
- * Automatic fuel feeding system
- * Fuel three-valves

Controller

- * Remote control system
- * Synchronization controller
- * ATS

Alternator

- * PMG
- * Drop kits
- * Anti-condensation heater
- * Winding temperature measuring instrument
- * Single phase
- * Double bearing
- * Anti-damp and anti-corrosion treatment

Engine

- * Water jacket preheater
- * Lub oil heater
- * Electronic governor



GH POWER MEXICO

ventas@gh-power.com.mx|www.gh-power.com.mx

For continuous product development, specifications allow some changes

For more information, please contact your local GH Power México generator partner:

