

MODEL: HC-BD1375 **400V | 1500rpm | 50Hz**



| | | | |
|-----------------------------|--|---------------------------|------------------------------------|
| ESP Standby Power | 1375 kVA | PRP Prime Power | 1250 kVA |
| ENGINE | Baudouin 12M33G1400/5 | ALTERNATOR | STAMFORD S6L1D-G4 |

GENERAL FEATURES

| | |
|---|--|
| Engine: Baudouin 12M33G1400/5 | Alternator: single bearing, IP23, insulation class H |
| 40°C radiator, fans are driven by belt, with safety guard | Dry type air filter, fuel filter & oil filter |
| Vibration damper | Standard control panel |
| 24V charging alternator | Exhaust bellows, elbows, flange & muffler |
| Lead-acid batteries, rack and cables | User manual |
| | |

MODEL: HC-BD1375**400V | 1500rpm | 50Hz****GENERATOR RATINGS**

| Voltage | Hz | Phase | PF (COS Φ) | Standby Amps | Standby Ratings (kW / kVA) | Prime Ratings (kW / kVA) |
|---------|----|-------|----------------------|-----------------|-------------------------------|-----------------------------|
| 440/254 | 50 | 3 | 0.8 | 1804 | 1100kW/1375kVA | 1000kW/1250kVA |
| 415/240 | 50 | 3 | 0.8 | 1913 | 1100kW/1375kVA | 1000kW/1250kVA |
| 400/230 | 50 | 3 | 0.8 | 1985 | 1100kW/1375kVA | 1000kW/1250kVA |
| 380/220 | 50 | 3 | 0.8 | 2089 | 1100kW/1375kVA | 1000kW/1250kVA |

Prime Power (PRP): Prime power is available for an unlimited number of annual hours in variable load application, in accordance with GB/T2820 (eqv ISO 8528) ; A 10% overload capability is available for a period of 1 hour within a 12-hour period of operation.

Standby Power Rating (ESP): The standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload, utility parallel or negotiated outage operation capability is available at this rating.

SALES PROMISES

HiChai Power provides a full line of brand new and high quality products. Each and every unit is strictly factory tested.

Warranty is according to our standard conditions: One year after installation or 1000 running hours (accumulated), whichever comes first.

Service and parts are available from HiChai Power or distributors in your location.

MODEL: HC-BD1375**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

| | |
|-----------------------------------|-----------------------|
| Manufacturer / Model | Baudouin 12M33G1400/5 |
| Air intake system | Turbo, intercooling |
| Fuel system | Mechanical pump |
| Cylinder arrangement | 12 cylinders in V |
| Displacement | 39.2 L |
| Bore and stroke | 150×185 mm |
| Compression ratio | 15:1 |
| Rated speed | 1500rpm |
| Max. Standby power at rated speed | 1210KW |
| Governor type | Electronic |

Exhaust System

| | |
|---------------------|-------------------------|
| Exhaust gas flow | 237 m ³ /min |
| Exhaust temperature | 550°C |
| Max back pressure | 7.5 kPa |

Air Intake System

| | |
|--------------------------------|--------------------------|
| Max intake restriction | 6.5 kPa |
| Combustion air flow | 82 m ³ /min |
| Air flow required for radiator | 2100 m ³ /min |

MODEL: HC-BD1375**400V | 1500rpm | 50Hz****Fuel System**

| | | |
|--|-------------|-----------|
| Fuel consumption @ 100% (Prime Power) Load | 197.5 g/kWh | 257.9 L/h |
| Fuel consumption @ 75% (Prime Power) Load | 194.2 g/kWh | 192.2 L/h |
| Fuel consumption @ 50% (Prime Power) Load | 197.3 g/kWh | 134.5 L/h |

Oil System

| | |
|--|----------|
| Total oil capacity | 160L |
| Oil consumption ratio based on fuel consumption data | ≤ 0.3 % |
| Oil sump capacity | 117-155L |

Cooling System

| | |
|-----------------------|-------|
| Coolant capacity | 303L |
| Max water temperature | 103°C |

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ALTERNATOR SPECIFICATION

Industrial alternators meet the requirements of the relevant parts of the BS5000, VDE 0530, NEMA MG1-22, IEC34, CSA 22.2-100 and AS1359.

Alternator Data

| | |
|-----------------------------------|--|
| Number of Phase | 3 |
| Connecting Type | 3 Phase and 4 Wires, Y type connecting |
| Number of Bearing | 1 |
| Power Factor | 0.8 |
| Protection Class | IP23 |
| Altitude | ≤1000m |
| Exciter Type | Brushless exciting |
| Insulation Class/Temperature Rise | H/H |
| Telephone Influence Factor (TIF) | <50 |
| THF | <2% |
| Alternator Capacity | 1260kVA |
| Alternator Efficiency | 94.8% |
| | |

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GENERATING SET DATA

| | |
|---|-----------------|
| Related range of voltage setting | $\geq \pm 5\%$ |
| Steady-state voltage deviation | $\leq \pm 1\%$ |
| Transient voltage deviation (100 % sudden power decrease) | $\leq +25\%$ |
| Transient voltage deviation (sudden power increase) | $\leq -20\%$ |
| Voltage recovery time (100 % sudden power decrease) | $\leq 6S$ |
| Voltage recovery time (sudden power increase) | $\leq 6S$ |
| Related range of frequency setting | 0-5% adjustable |
| Steady-state frequency band | $\leq 1.5\%$ |
| Transient frequency deviation (100 % sudden power decrease) | $\leq +12\%$ |
| Transient frequency deviation (sudden power increase) | $\leq -10\%$ |
| Frequency recovery time (100 % sudden power decrease) | $\leq 5S$ |
| Frequency recovery time (sudden power increase) | $\leq 5S$ |

STANDARD FEATURES

| | | |
|------------------------------|---|-----------|
| Standard auto control system | Exhaust system (including until muffler) | Documents |
| Oil drain valve | Starting batteries (maintenance-free & watering-free) with connective wires | |

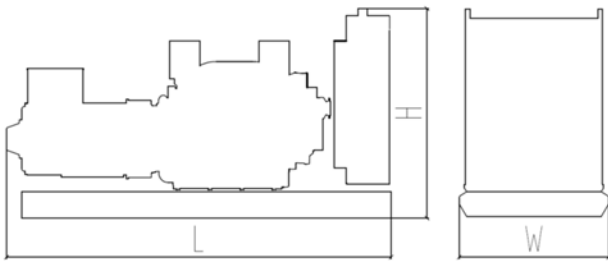
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OPTIONS

| | | |
|---------------------------|-----------------|----------------------|
| Daily fuel tank | Rainproof type | Remote control panel |
| Alternator heater | Soundproof type | Paralleling system |
| Spare parts | Trailer type | Switch box |
| Automatic transfer switch | | |

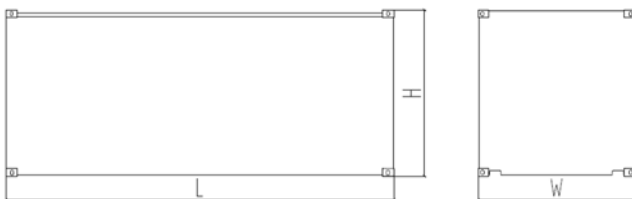
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 4750×2200×2430 mm

Weight: 9100 kg



Soundproof Type (standard 20'ft HQ container)

Overall Dimensions: 6058×2438×2896 mm

Weight: 14100 kg

Specifications are subject to change without notice.