

MODEL: BF-BD2800-60

440V | 1800rpm | 60Hz



<b>ESP</b> Standby Power	2813kVA	<b>PRP</b> Prime Power	2557kVA
<b>ENGINE</b>	Baudouin	<b>ALTERNATOR</b>	STAMFORD
	12M55G2250/6		PI734H1

### GENERAL FEATURES

Engine: Baudouin 12M55G2250/6

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

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## GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	3384	2250kW/2813kVA	2046kW/2557kVA
460/266	60	3	0.8	3531	2250kW/2813kVA	2046kW/2557kVA
440/254	60	3	0.8	3691	2250kW/2813kVA	2046kW/2557kVA
416/240	60	3	0.8	3904	2250kW/2813kVA	2046kW/2557kVA

**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

Baifa 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: 15 months from the date BAIFA sold to the first buyer or one year after installation or 1000 running hours (accumulated), whichever comes first.

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

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## ENGINE SPECIFICATION

Manufacturer / Model	Baudouin 12M55G2250/6
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Air intake system	Turbocharged and Aftercooled
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Fuel system	High Pressure Common Rail
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Cylinder arrangement	12 in V
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Displacement	65.65L
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Bore and stroke	180 × 215 mm
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Compression ratio	16.5
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Rated speed	1800rpm
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Max. Standby power at rated speed	2420kW
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Governor type	ECU
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### Exhaust System

Exhaust gas flow	554 m <sup>3</sup> /min
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Exhaust temperature	550°C
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Max back pressure	15kPa
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### Air Intake System

Max intake restriction	7kPa
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Combustion air flow	179 m <sup>3</sup> /min
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Air flow required for radiator	2820 m <sup>3</sup> /min
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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	199.0g/kWh	514.7L/h
Fuel consumption @ 75% (Prime Power) Load	195.1g/kWh	384.0L/h
Fuel consumption @ 50% (Prime Power) Load	206.1g/kWh	276.1L/h

**Oil System**

Total oil capacity	560L
Oil sump capacity	380-480L
Oil consumption	≤ 0.4g/kW·h

**Cooling System**

Coolant capacity	576L
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	2570kVA
Alternator Efficiency	95.9%

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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)	$\leq +20\%$
Transient voltage deviation (sudden power increase)	$\leq -15\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
Voltage recovery time (sudden power increase)	$\leq 4S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 0.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
Transient frequency deviation (sudden power increase)	$\leq -7\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
Frequency recovery time (sudden power increase)	$\leq 3S$

## STANDARD FEATURES

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

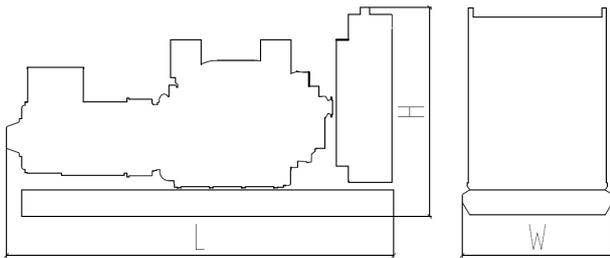
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**OPTIONS**

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: 5900×2320×2900 mm
Weight: 20000 kg

*Specifications are subject to change without notice.*

BAIFA POWER (WUXI) LTD.  
 WEBSITE: WWW.BAIFAPOWER.COM  
 EMAIL: MARKETING@BAIFAPOWER.COM  
 TEL: +86-510-85342633