

MODEL: BF-DW825-60

440V | 1800rpm | 60Hz



ESP Standby Power	938kVA	PRP Prime Power	850kVA
ENGINE	Doosan DP222LC	ALTERNATOR	STAMFORD S5L1D-H4

GENERAL FEATURES

Engine: Doosan DP222LC

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: BF-DW825-60****440V | 1800rpm | 60Hz****GENERATOR RATINGS**

Voltage	Hz	Phase	PF (COS Φ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	1128	750kW/938kVA	680kW/850kVA
460/266	60	3	0.8	1177	750kW/938kVA	680kW/850kVA
440/254	60	3	0.8	1231	750kW/938kVA	680kW/850kVA
416/240	60	3	0.8	1302	750kW/938kVA	680kW/850kVA

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.

MODEL: BF-DW825-60**440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Doosan DP222LC
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Air intake system	Turbo, Air/Air cooling
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Fuel system	P type fuel pump
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Cylinder arrangement	12 in V
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Displacement	21.927L
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Bore and stroke	128×142 mm
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Compression ratio	15
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Rated speed	1800rpm
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Max. Standby power at rated speed	828kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	130 m ³ /min
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Exhaust temperature	493°C
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Max back pressure	5.9kPa
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Air Intake System

Max intake restriction	6.2kPa
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Combustion air flow	58.6 m ³ /min
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Air flow required for radiator	1050 m ³ /min
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**MODEL: BF-DW825-60****440V | 1800rpm | 60Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	183.2 L/h
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Fuel consumption @ 75% (Prime Power) Load	134.4 L/h
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Fuel consumption @ 50% (Prime Power) Load	91.3 L/h
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Oil System

Total oil capacity	40L
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Oil sump capacity	27-40L
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Cooling System

Coolant capacity	114L
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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	844kVA
Alternator Efficiency	94.7%

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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	MCCB

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Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

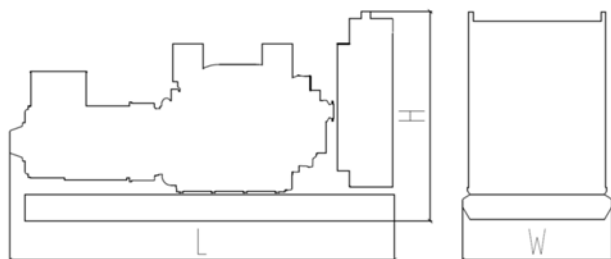
Paralleling system

Spare parts

Trailer type

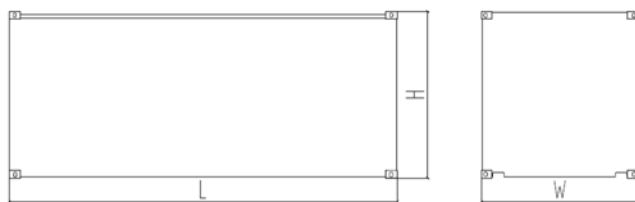
Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT**Standard Configuration (open type)**

Overall Dimensions: 3480×1390×1820 mm

Weight: 4600kg

**Soundproof Type**

Overall Dimensions: 5030×1660×2250 mm

Weight: 6000kg

*Specifications are subject to change without notice.***BAIFA POWER (WUXI) LTD.****WEBSITE: WWW.BAIFAPOWER.COM****EMAIL: MARKETING@BAIFAPOWER.COM****TEL: +86-510-85342633**

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