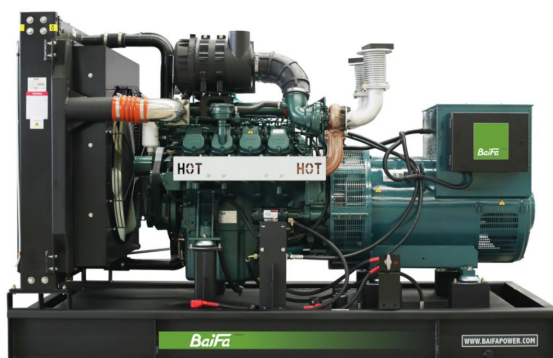


**MODEL: BF-DW220**
**400V | 1500rpm | 50Hz**


<b>ESP</b> Standby Power	<b>220 kVA</b>	<b>PRP</b> Prime Power	<b>200 kVA</b>
<b>ENGINE</b>	<b>Doosan</b> <b>P086TI</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b> <b>UCI274H1</b>

## GENERAL FEATURES

Engine: Doosan P086TI

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-DW220**

**400V | 1500rpm | 50Hz**

## GENERATOR RATINGS

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	289	176kW/220kVA	160kW/200kVA
415/240	50	3	0.8	306	176kW/220kVA	160kW/200kVA
400/230	50	3	0.8	318	176kW/220kVA	160kW/200kVA
380/220	50	3	0.8	334	176kW/220kVA	160kW/200kVA

**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-DW220****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Doosan P086T1
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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	6 in line
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Displacement	8.071L
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Bore and stroke	111×139 mm
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Compression ratio	16.4:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	199kW
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Governor type	Electronic
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**Exhaust System**

Exhaust gas flow	33.9 m <sup>3</sup> /min
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Exhaust temperature	580°C
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Max back pressure	5.8kPa
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**Air Intake System**

Max intake restriction	6.1kPa
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Combustion air flow	12.1 m <sup>3</sup> /min
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Air flow required for radiator	450 m <sup>3</sup> /min
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**MODEL: BF-DW220**

**400V | 1500rpm | 50Hz**

#### Fuel System

Fuel consumption @ 100% (Prime Power) Load	43.1 L/h
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Fuel consumption @ 75% (Prime Power) Load	31.7 L/h
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Fuel consumption @ 50% (Prime Power) Load	21.1 L/h
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#### Oil System

Total oil capacity	18L
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Oil sump capacity	15.5L
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#### Cooling System

Coolant capacity	48.5L
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Max water temperature	103°C
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**MODEL: BF-DW220****400V | 1500rpm | 50Hz**

## 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	200kVA
Alternator Efficiency	93.3%

**MODEL: BF-DW220****400V | 1500rpm | 50Hz****GENERATING SET DATA**

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

Standard auto control system	Exhaust system (including until muffler)	Documents
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Oil drain valve	Starting batteries (maintenance-free & watering-free) with connective wires	MCCB
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Base fuel tank		
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**MODEL: BF-DW220****400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

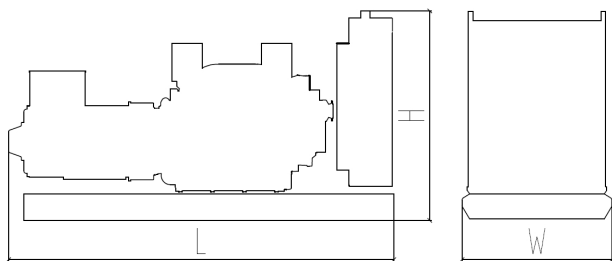
Paralleling system

Spare parts

Trailer type

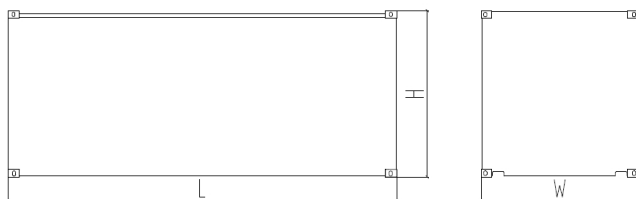
Switch box

Automatic transfer switch

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

Overall Dimensions: 2650×950×1750 mm

Weight: 2000 kg

**Soundproof Type**

Overall Dimensions: 3590×1250×2050 mm

Weight: 2800 kg

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

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