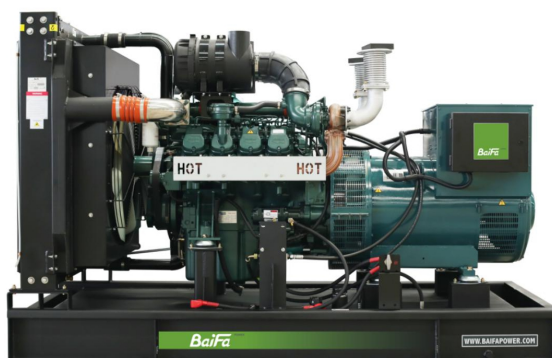


MODEL: BF-DW315
400V | 1500rpm | 50Hz


ESP Standby Power	306 kVA	PRP Prime Power	275 kVA
ENGINE	Doosan P126TI	ALTERNATOR	STAMFORD S4L1D-D41

GENERAL FEATURES

Engine: Doosan P126TI

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-DW315**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	402	245kW/306kVA	220kW/275kVA
415/240	50	3	0.8	426	245kW/306kVA	220kW/275kVA
400/230	50	3	0.8	442	245kW/306kVA	220kW/275kVA
380/220	50	3	0.8	465	245kW/306kVA	220kW/275kVA

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.

Comprehensive Solutions For

POWER GENERATION

**MODEL: BF-DW315****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Doosan P126TI
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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	11.051L
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Bore and stroke	123×155 mm
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Compression ratio	17:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	272kW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	42.9 m ³ /min
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Exhaust temperature	560°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	16.4 m ³ /min
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Air flow required for radiator	607 m ³ /min
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MODEL: BF-DW315

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	58.1 L/h
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Fuel consumption @ 75% (Prime Power) Load	43.6L/h
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Fuel consumption @ 50% (Prime Power) Load	30.0 L/h
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Oil System

Total oil capacity	25L
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Oil sump capacity	20-23L
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Cooling System

Coolant capacity	60L
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Max water temperature	103°C
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MODEL: BF-DW315

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	310kVA
Alternator Efficiency	92.9%

**MODEL: BF-DW315****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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MODEL: BF-DW315**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: 2960×1030×1650 mm

Weight: 2315 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 2960×1030×1750 mm

Weight: 2500 kg

Soundproof Type

Overall Dimensions: 3890×1460×2150 mm

Weight: 3600 kg

*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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POWER GENERATION