

MODEL: BF-DW315

400V | 1500rpm | 50Hz



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

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GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	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.

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Manufacturer / Model	Doosan P126T1
Air intake system	Turbo, Air/Air cooling
Fuel system	P type fuel pump
Cylinder arrangement	6 in line
Displacement	11.051L
Bore and stroke	123×155 mm
Compression ratio	17:1
Rated speed	1500rpm
Max. Standby power at rated speed	272kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	42.9 m ³ /min
Exhaust temperature	560°C
Max back pressure	5.8kPa

Air Intake System

Max intake restriction	6.1kPa
Combustion air flow	16.4 m ³ /min
Air flow required for radiator	607 m ³ /min



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Fuel System

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

Oil System

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

Cooling System

Coolant capacity	60L
Max water temperature	103°C



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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%

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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

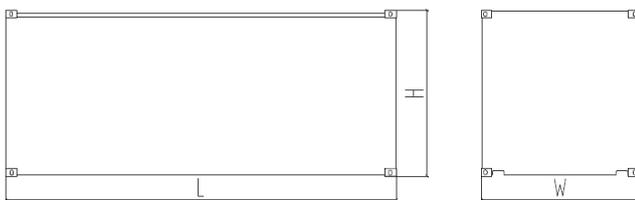
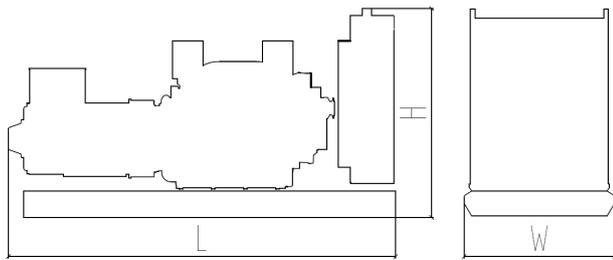
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OPTIONS

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.

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