

**MODEL: BF-DW350**

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



<b>ESP</b> Standby Power	<b>330 kVA</b>	<b>PRP</b> Prime Power	<b>300 kVA</b>
<b>ENGINE</b>	<b>Doosan</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>P126TI-II</b>		<b>S4L1D-D41</b>

**GENERAL FEATURES**

Engine: Doosan P126TI-II

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	433	264kW/330kVA	240kW/300kVA
415/240	50	3	0.8	459	264kW/330kVA	240kW/300kVA
400/230	50	3	0.8	476	264kW/330kVA	240kW/300kVA
380/220	50	3	0.8	501	264kW/330kVA	240kW/300kVA

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-DW350****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Doosan P126TI-II
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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	294kW
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Governor type	Electronic
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**Exhaust System**

Exhaust gas flow	47.4 m <sup>3</sup> /min
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Exhaust temperature	590°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	20.1 m <sup>3</sup> /min
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Air flow required for radiator	607 m <sup>3</sup> /min
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Comprehensive Solutions For

**POWER GENERATION**



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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	63.1 L/h
Fuel consumption @ 75% (Prime Power) Load	47.0 L/h
Fuel consumption @ 50% (Prime Power) Load	31.3 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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## 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%

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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

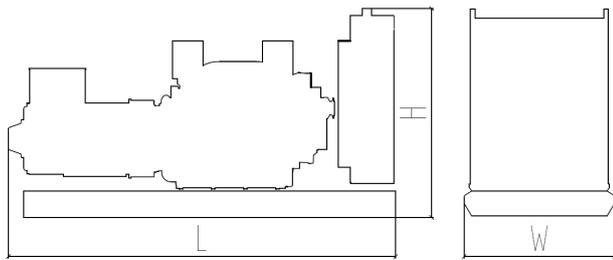
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**OPTIONS**

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)**

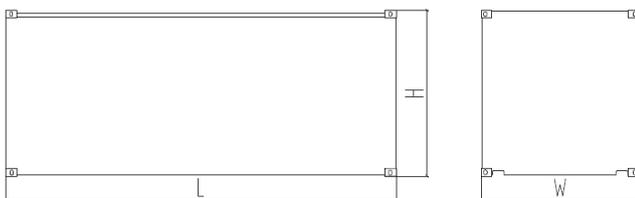
Overall Dimensions: 2960×1030×1750 mm

Weight: 2500 kg

**Soundproof Type**

Overall Dimensions: 3980×1560×2150 mm

Weight: 3750 kg



*Specifications are subject to change without notice.*

**BAIFA POWER (WUXI) LTD.**

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Comprehensive Solutions For  
**POWER GENERATION**

