

MODEL: BF-DW625

400V | 1500rpm | 50Hz



ESP Standby Power	625 kVA	PRP Prime Power	570 kVA
ENGINE	Doosan	ALTERNATOR	STAMFORD
	DP180LA		S5L1D-E41

GENERAL FEATURES

Engine: Doosan DP180LA	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	820	500kW/625kVA	456kW/570kVA
415/240	50	3	0.8	870	500kW/625kVA	456kW/570kVA
400/230	50	3	0.8	902	500kW/625kVA	456kW/570kVA
380/220	50	3	0.8	950	500kW/625kVA	456kW/570kVA

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 DP180LA
Air intake system	Turbo, Air/Air cooling
Fuel system	P type fuel pump
Cylinder arrangement	10 in V
Displacement	18.273L
Bore and stroke	128×142 mm
Compression ratio	15:1
Rated speed	1500rpm
Max. Standby power at rated speed	552kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	106 m ³ /min
Exhaust temperature	562°C
Max back pressure	5.9kPa

Air Intake System

Max intake restriction	6.23kPa
Combustion air flow	33.2 m ³ /min
Air flow required for radiator	700 m ³ /min



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Fuel System

Fuel consumption @ 100% (Prime Power) Load	123.6 L/h
Fuel consumption @ 75% (Prime Power) Load	94.2 L/h
Fuel consumption @ 50% (Prime Power) Load	64.8 L/h

Oil System

Total oil capacity	34L
Oil sump capacity	23-34L

Cooling System

Coolant capacity	91L
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	610kVA
Alternator Efficiency	94.9%

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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

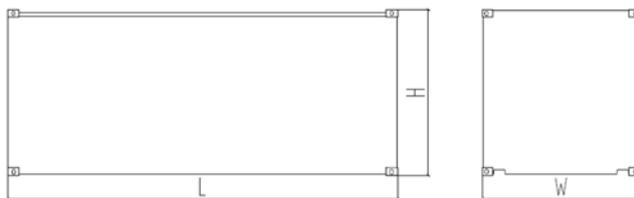
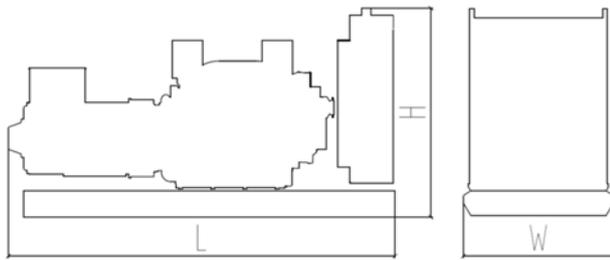
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OPTIONS

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: 3300×1390×1780 mm
Weight: 3535 kg
Standard Configuration (with base fuel tank)
Overall Dimensions: 3300×1390×1920 mm
Weight: 3750 kg
Soundproof Type
Overall Dimensions: 4630×1660×2250 mm
Weight: 5250 kg

Specifications are subject to change without notice.

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