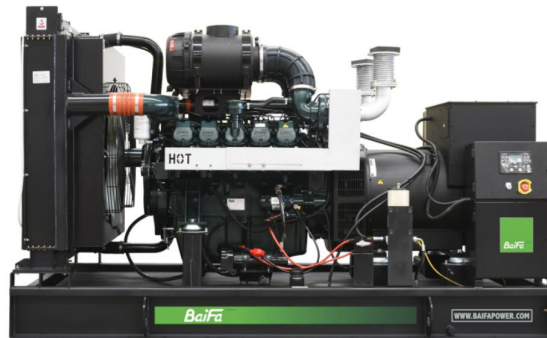


MODEL: BF-DW700
400V | 1500rpm | 50Hz


ESP Standby Power	700 kVA	PRP Prime Power	635 kVA
ENGINE	Doosan DP180LB	ALTERNATOR	STAMFORD HCI544FS1

GENERAL FEATURES

Engine: Doosan DP180LB

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-DW700

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	919	560kW/700kVA	508kW/635kVA
415/240	50	3	0.8	974	560kW/700kVA	508kW/635kVA
400/230	50	3	0.8	1010	560kW/700kVA	508kW/635kVA
380/220	50	3	0.8	1064	560kW/700kVA	508kW/635kVA

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-DW700****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Doosan DP180LB
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	612kW
Governor type	Electronic

Exhaust System

Exhaust gas flow	118 m ³ /min
Exhaust temperature	587°C
Max back pressure	5.9kPa

Air Intake System

Max intake restriction	6.23kPa
Combustion air flow	36 m ³ /min
Air flow required for radiator	700 m ³ /min



MODEL: BF-DW700

400V | 1500rpm | 50Hz

Fuel System

Fuel consumption @ 100% (Prime Power) Load	136.4 L/h
--	-----------

Fuel consumption @ 75% (Prime Power) Load	103.8 L/h
---	-----------

Fuel consumption @ 50% (Prime Power) Load	71.2 L/h
---	----------

Oil System

Total oil capacity	34L
--------------------	-----

Oil sump capacity	23-34L
-------------------	--------

Cooling System

Coolant capacity	91L
------------------	-----

Max water temperature	103°C
-----------------------	-------



**MODEL: BF-DW700****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	625kVA
Alternator Efficiency	95.1%

**MODEL: BF-DW700****400V | 1500rpm | 50Hz****GENERATING SET DATA**

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
-----------------	---	------

MODEL: BF-DW700**400V | 1500rpm | 50Hz****OPTIONS**

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

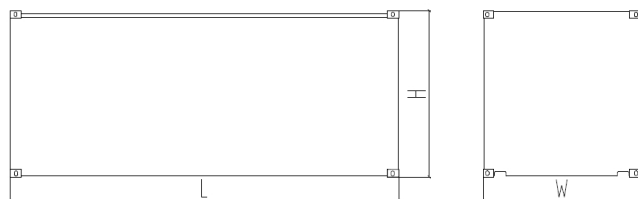
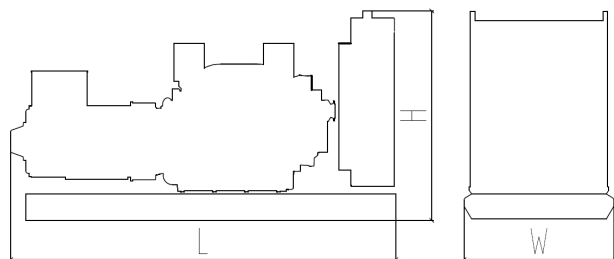
Paralleling system

Spare parts

Trailer type

Switch box

Automatic transfer switch

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

Overall Dimensions: 3450×1390×1820 mm

Weight: 4200 kg

Standard Configuration (with base fuel tank)

Overall Dimensions: 3450×1390×1950 mm

Weight: 4300 kg

Soundproof Type

Overall Dimensions: 5030×1660×2250 mm

Weight: 5700 kg

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

Comprehensive Solutions For

POWER GENERATION