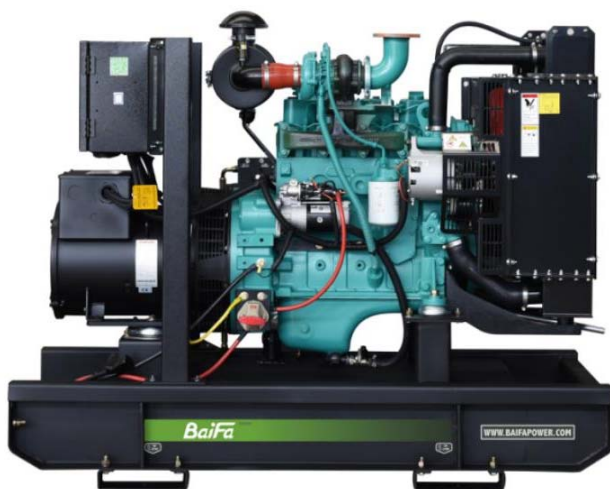


MODEL: BF40-60

440V | 1800rpm | 60Hz



ESP Standby Power	44 kVA	PRP Prime Power	40 kVA
ENGINE	FAW	ALTERNATOR	BAIFA
	4DX22-60D		BF1J

GENERAL FEATURES

Engine: FAW 4DX22-60D

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: BF40-60

440V | 1800rpm | 60Hz

GENERATOR RATINGS

Voltage	Hz	Phase	PF (COSΦ)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
480/277	60	3	0.8	53	35.2/44	32/40
460/266	60	3	0.8	55	35.2/44	32/40
440/254	60	3	0.8	58	35.2/44	32/40
416/240	60	3	0.8	61	35.2/44	32/40

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: BF40-60**440V | 1800rpm | 60Hz****ENGINE SPECIFICATION**

Manufacturer / Model	BaiFa 4DX22-60D
Air intake system	Turbocharged
Fuel system	Direct injection
Cylinder arrangement	4 in line
Displacement	3.86L
Bore and stroke	102×118 (mm)
Compression ratio	17
Rated speed	1800rpm
Max. Standby power at rated speed	50KW
Governor type	Mechanical

Exhaust System

Exhaust gas flow	10.5 m ³ /min
Exhaust temperature	500°C

Air Intake System

Combustion air flow	3.5 m ³ /min
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Fuel System

Fuel consumption @ 100% (Prime Power) Load	220 g/kWh	10.1 L/h
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MODEL: BF40-60**440V | 1800rpm | 60Hz****Oil System**

Total Oil Capacity: 13L

Cooling SystemMax Water Temperature: $97 \pm 2^{\circ}\text{C}$ **ALTERNATOR SPECIFICATION****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	$\leq 1000\text{m}$
Exciter Type	Brushless exciting
Insulation Class/Temperature Rise	H/H
Telephone Influence Factor (TIF)	< 50
THF	$< 2\%$
Alternator Capacity	45kVA
Alternator Efficiency	87.2%

MODEL: BF40-60**440V | 1800rpm | 60Hz****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

Base fuel tank

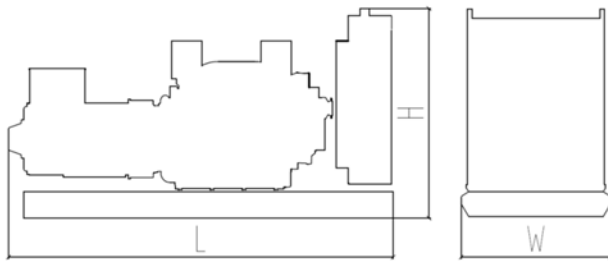
MODEL: BF40-60

440V | 1800rpm | 60Hz

OPTIONS

Daily fuel tank	Rainproof type	Remote control panel
Alternator heater	Soundproof type	Paralleling system
Spare parts	Trailer type	Switch box
Automatic transfer switch		

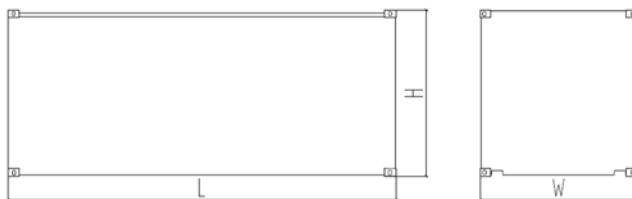
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 1700×800×1150 mm

Weight: 780 kg



Soundproof Type

Overall Dimensions: 2290×1060×1680 mm

Weight: 1330 kg

Specifications are subject to change without notice.

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