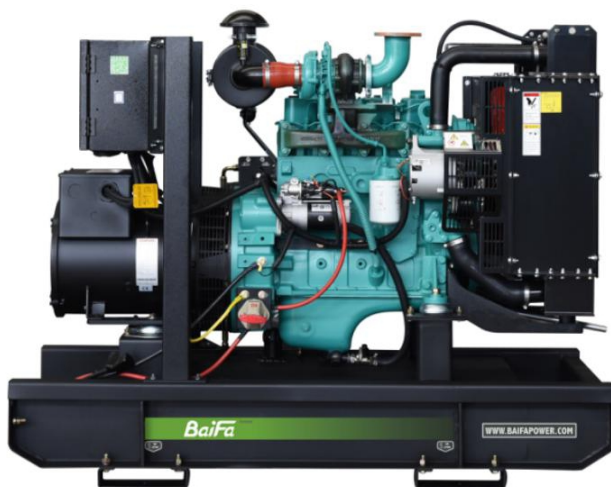


MODEL: BF66

400V | 1500rpm | 50Hz



| | | | |
|-----------------------------|------------------|---------------------------|---------------|
| ESP Standby Power | 66 kVA | PRP Prime Power | 60 kVA |
| ENGINE | FAW | ALTERNATOR | BAIFA |
| | 4DX23-78D | | BF2C |

GENERAL FEATURES

Engine: FAW 4DX23-78D

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: BF66

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 | 87 | 52.8/66 | 48/60 |
| 415/240 | 50 | 3 | 0.8 | 92 | 52.8/66 | 48/60 |
| 400/230 | 50 | 3 | 0.8 | 95 | 52.8/66 | 48/60 |
| 380/220 | 50 | 3 | 0.8 | 100 | 52.8/66 | 48/60 |

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: BF66**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

| | |
|----------------------|---------------|
| Manufacturer / Model | FAW 4DX23-78D |
|----------------------|---------------|

| | |
|-------------------|--------------|
| Air intake system | Turbocharged |
|-------------------|--------------|

| | |
|-------------|------------------|
| Fuel system | Direct injection |
|-------------|------------------|

| | |
|----------------------|-----------|
| Cylinder arrangement | 4 in line |
|----------------------|-----------|

| | |
|--------------|-------|
| Displacement | 3.86L |
|--------------|-------|

| | |
|-----------------|--------------|
| Bore and stroke | 102×118 (mm) |
|-----------------|--------------|

| | |
|-------------------|------|
| Compression ratio | 17:1 |
|-------------------|------|

| | |
|-------------|---------|
| Rated speed | 1500rpm |
|-------------|---------|

| | |
|-----------------------------------|--------|
| Max. Standby power at rated speed | 62.7KW |
|-----------------------------------|--------|

| | |
|---------------|--------------|
| Governor type | Electronical |
|---------------|--------------|

Exhaust System

| | |
|------------------|-------------------------|
| Exhaust gas flow | 10.4m ³ /min |
|------------------|-------------------------|

| | |
|---------------------|-------|
| Exhaust temperature | 480°C |
|---------------------|-------|

Air Intake System

| | |
|---------------------|------------------------|
| Combustion air flow | 3.9m ³ /min |
|---------------------|------------------------|

Fuel System

| | | |
|--|----------|---------|
| Fuel consumption @ 100% (Prime Power) Load | 215g/kWh | 14.6L/h |
|--|----------|---------|

MODEL: BF66
400V | 1500rpm | 50Hz
Oil System

Total Oil Capacity: 13L

Oil Consumption: 0.05L/h

Cooling System

Cooling mode: Water cooling

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 | ≤1000m |
| Exciter Type | Brushless exciting |
| Insulation Class/Temperature Rise | H/H |
| Telephone Influence Factor (TIF) | <50 |
| THF | <2% |
| Alternator Capacity | 62.5kVA |
| Alternator Efficiency | 88.5% |

MODEL: BF66**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 |
| Base fuel tank | | |

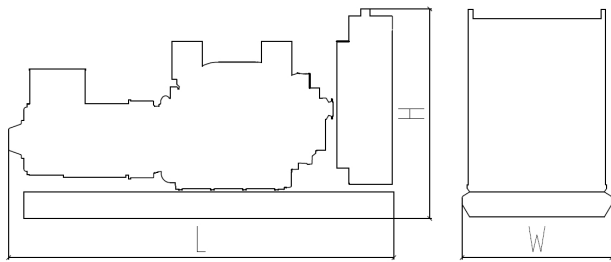
MODEL: BF66

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 | | |

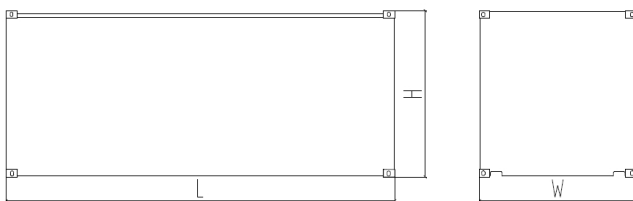
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 1900×800×1150 mm

Weight: 850 kg



Soundproof Type

Overall Dimensions: 2810×1140×1800mm

Weight: 1650 kg

Specifications are subject to change without notice.

BAIFA POWER (WUXI) LTD.

WEBSITE: WWW.BAIFAPOWER.COM

EMAIL: MARKETING@BAIFAPOWER.COM

TEL: +86-510-85342633

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POWER GENERATION

