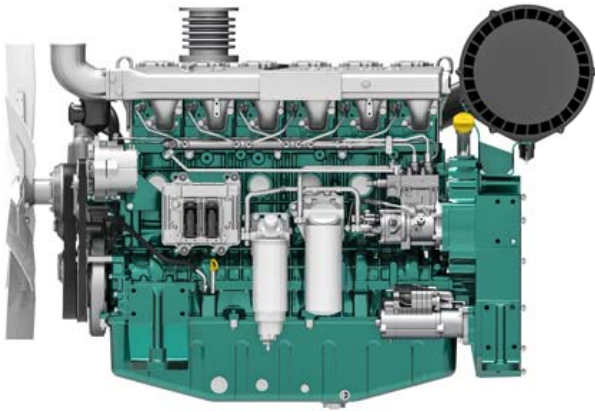




MODEL: BF-BD385

400V | 1500rpm | 50Hz



ESP

Standby Power

385 kVA

PRP

Prime Power

350 kVA

ENGINE

WEICHAİ

WP13D385E200

ALTERNATOR

STAMFORD

S4L1D-E41

GENERAL FEATURES

Engine: WEICHAİ WP13D385E200

Alternator: single bearing, IP23, insulationclass 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 ($\cos\Phi$)	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	505	308kW/385kVA	280kW/350kVA
415/240	50	3	0.8	536	308kW/385kVA	280kW/350kVA
400/230	50	3	0.8	556	308kW/385kVA	280kW/350kVA
380/220	50	3	0.8	585	308kW/385kVA	280kW/350kVA

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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ENGINE SPECIFICATION

Manufacturer / Model	WEICHAI WP13D385E200
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Air intake system	Turbo, intercooling
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Fuel system	Mechanical pump
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Cylinder arrangement	6 cylinders in line
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Displacement	12.54 L
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Bore and stroke	127×165mm
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Compression ratio	16:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	385KW
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Governor type	Electronic
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Exhaust System

Exhaust gas flow	65 m ³ /min
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Exhaust temperature	580°C
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Max back pressure	12 kPa
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Air Intake System

Max intake restriction	7 kPa
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Combustion air flow	23.8 m ³ /min
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Air flow required for radiator	398 m ³ /min
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Fuel System

Fuel consumption @ 100% (Prime Power) Load	197 g/kWh	74.4 L/h
Fuel consumption @ 75% (Prime Power) Load	194.3 g/kWh	55.8 L/h
Fuel consumption @ 50% (Prime Power) Load	196.7 g/kWh	39.2 L/h

Oil System

Total oil capacity	32L
Oil consumption ratio based on fuel consumption data	$\leq 0.2\%$
Oil sump capacity	27~30L

Cooling System

Coolant capacity	45L
Max water temperature	105°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	360kVA
Alternator Efficiency	93.3%



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GENERATING SET DATA

Related range of voltage setting	$\geq \pm 5\%$
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Steady-state voltage deviation	$\leq \pm 1\%$
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Transient voltage deviation (100 % sudden power decrease)	$\leq +25\%$
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Transient voltage deviation (sudden power increase)	$\leq -20\%$
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Voltage recovery time (100 % sudden power decrease)	$\leq 6S$
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Voltage recovery time (sudden power increase)	$\leq 6S$
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Related range of frequency setting	0-5% adjustable
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Steady-state frequency band	$\leq 1.5\%$
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Transient frequency deviation (100 % sudden power decrease)	$\leq +12\%$
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Transient frequency deviation (sudden power increase)	$\leq -10\%$
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Frequency recovery time (100 % sudden power decrease)	$\leq 5S$
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Frequency recovery time (sudden power increase)	$\leq 5S$
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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-BD385

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OPTIONS

Daily fuel tank

Rainproof type

Remote control panel

Alternator heater

Soundproof type

Paralleling system

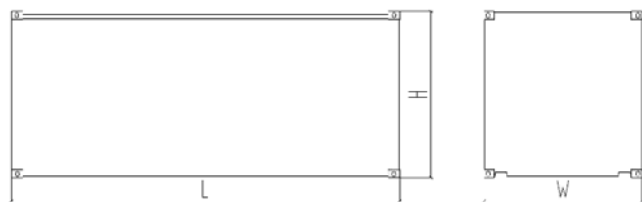
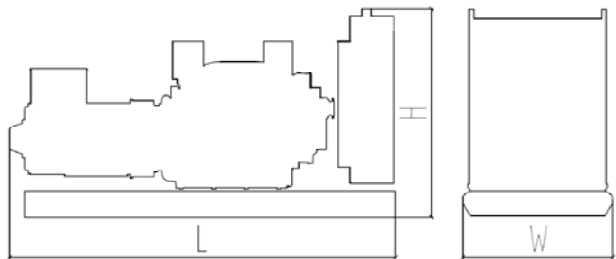
Spare parts

Trailer type

Switch box

Automatic transfer switch

DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2950×1110×1730 mm

Weight: 2900 kg

Soundproof Type

Overall Dimensions: 4230×1460×2150 mm

Weight: 4250 kg

Specifications are subject to change without notice.

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