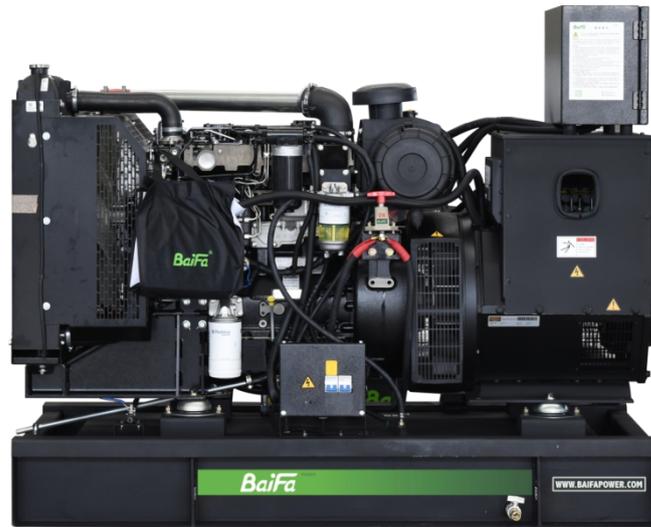


MODEL: BF-P165

400V | 1500rpm | 50Hz



ESP Standby Power	165 kVA	PRP Prime Power	150 kVA
ENGINE	Perkins	ALTERNATOR	STAMFORD
	1106A-70TAG2		UCI274F1

GENERAL FEATURES

Engine: Perkins 1106A-70TAG2	Alternator: single bearing, IP23, insulation class H
50°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-P165

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	217	132kW/165kVA	120kW/150kVA
415/240	50	3	0.8	230	132kW/165kVA	120kW/150kVA
400/230	50	3	0.8	238	132kW/165kVA	120kW/150kVA
380/220	50	3	0.8	251	132kW/165kVA	120kW/150kVA

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-P165**400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Perkins 1106A-70TAG2
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Air intake system	Turbocharged and air charge cooled
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Fuel system	Direct Injection
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Cylinder arrangement	6 in line
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Displacement	7.01L
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Bore and stroke	105×135 mm
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Compression ratio	18.2:1
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Rated speed	1500rpm
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Max. Standby power at rated speed	149.1KW
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Governor type	Mechanical
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Exhaust System

Exhaust gas flow	25.5 m ³ /min
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Exhaust temperature	484 °C
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Max back pressure	6kPa
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Air Intake System

Max intake restriction	5kPa
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Combustion air flow	10.7 m ³ /min
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Air flow required for radiator	204 m ³ /min
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Comprehensive Solutions For

POWER GENERATION

MODEL: BF-P165**400V | 1500rpm | 50Hz****Fuel System**

Fuel consumption @ 100% (Prime Power) Load	203.3 g/kWh	32.3 L/h
Fuel consumption @ 75% (Prime Power) Load	199.7 g/kWh	23.9 L/h
Fuel consumption @ 50% (Prime Power) Load	197.9 g/kWh	16.2 L/h

Oil System

Total oil capacity	18L
Oil consumption as a percentage of full load fuel consumption less than	0.1%(As a percentage of fuel consumption)
Oil sump capacity	12.5~16.1L

Cooling System

Coolant capacity	21L
Max water temperature	110°C

MODEL: BF-P165
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	160kVA
Alternator Efficiency	92.3%

MODEL: BF-P165**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		

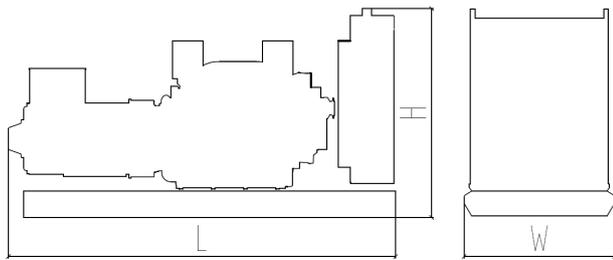
MODEL: BF-P165

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		

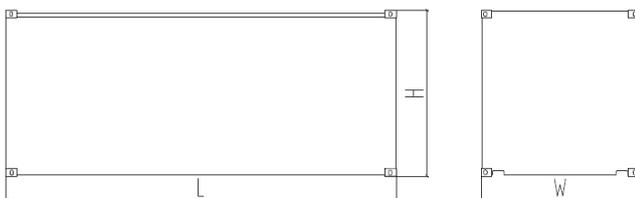
DIMENSIONS & WEIGHT



Standard Configuration (open type)

Overall Dimensions: 2410 × 930 × 1650 mm

Weight: 1600 kg



Soundproof Type

Overall Dimensions: 3250 × 1170 × 1800 mm

Weight: 2400 kg

Specifications are subject to change without notice.

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POWER GENERATION

