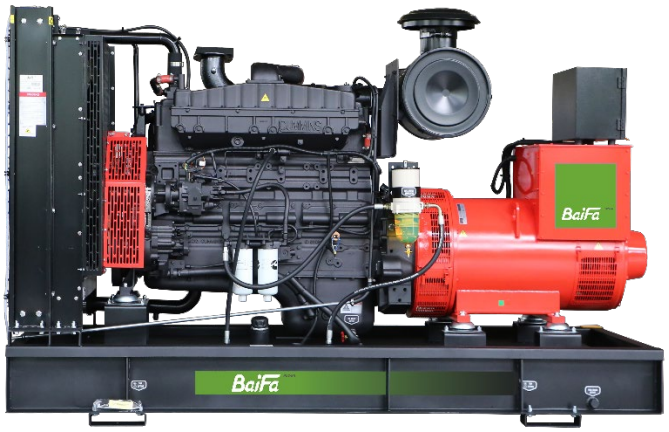
GENERATOR SET | TECHNICAL SHEETS

MODEL: BF-C350XQ

400V | 1500rpm | 50Hz



ESP Standby Power	**330 kVA**	**PRP** Prime Power	**300 kVA**
ENGINE	**Cummins** **QSM11-G2**	**ALTERNATOR**	**STAMFORD** **S4L1D-D41**

GENERAL FEATURES

Engine: Cummins QSM11-G2	Alternator: single bearing, IP23, insulation class H
40℃ 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

Comprehensive Solutions For

POWER GENERATION

MODEL: BF-C350XQ

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	433	264/330	240/300
415/240	50	3	0.8	459	264/330	240/300
400/230	50	3	0.8	476	264/330	240/300
380/220	50	3	0.8	501	264/330	240/300

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-C350XQ

400V | 1500rpm | 50Hz

ENGINE SPECIFICATION

Manufacturer / Model	Cummins QSM11-G2
Air intake system	Turbocharged, intercooling
Fuel system	Celect
Cylinder arrangement	6 in line
Displacement	10.8L
Bore and stroke	125*147(mm)
Compression ratio	16.2:1
Rated speed	1500rpm
Max. Standby power at rated speed	300KW
Governor type	Electronic

Exhaust System

Exhaust gas flow	63.9 m^3/min
Exhaust temperature	500 ℃
Max back pressure	10kPa

Air Intake System

Max intake restriction	6.2kPa
Combustion air flow	26.16 m^3/min
Air flow required for radiator	450 m^3/min

MODEL: BF-C350XQ

400V | 1500rpm | 50Hz

Fuel System		
Fuel consumption @ 100% (Prime Power) Load	223g/kWh	71L/h
Fuel consumption @ 75% (Prime Power) Load	223g/kWh	54L/h
Fuel consumption @ 50% (Prime Power) Load	228g/kWh	38L/h

Oil System	
Total oil capacity	36.7L
Oil consumption	≤4g/kwh
Oil sump capacity	26-34L

Cooling System	
Coolant capacity	60L
Max water temperature	104℃

MODEL: BF-C350XQ

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	310kVA
Alternator Efficiency	92.9%

MODEL: BF-C350XQ

400V | 1500rpm | 50Hz

GENERATING SET DATA

Related range of voltage setting	≥±5%
Steady-state voltage deviation	≤±1%
Transient voltage deviation (100 % sudden power decrease)	≤+25%
Transient voltage deviation (sudden power increase)	≤-20%
Voltage recovery time (100 % sudden power decrease)	≤6S
Voltage recovery time (sudden power increase)	≤6S
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	≤1.5%
Transient frequency deviation (100 % sudden power decrease)	≤+12%
Transient frequency deviation (sudden power increase)	≤-10%
Frequency recovery time (100 % sudden power decrease)	≤5S
Frequency recovery time (sudden power increase)	≤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	Special tools
MCCB		

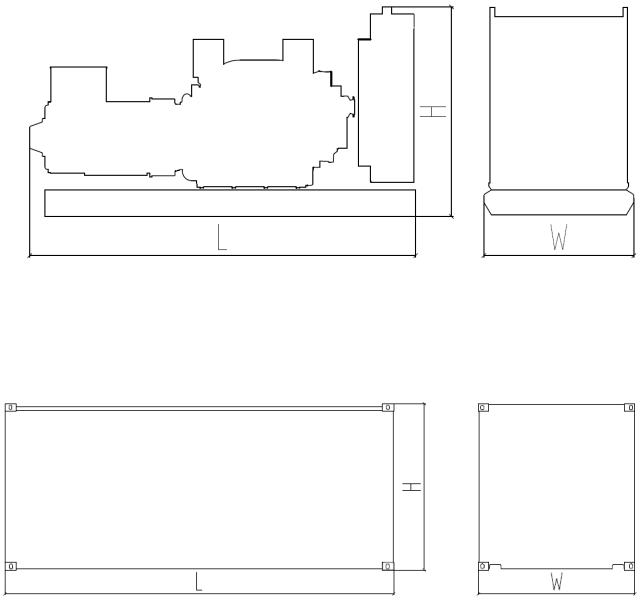
MODEL: BF-C350XQ

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: 3000×1200×1800 mm
Weight: 2420 kg

Soundproof Type
Overall Dimensions: 3890×1460×2150 mm
Weight: 3770 kg

Specifications are subject to change without notice.

BAIFA POWER (WUXI) LTD.
WEBSITE: WWW.BAIFAPOWER.COM
EMAIL: MARKETING@BAIFAPOWER.COM
TEL: +86-510-85342633