

**MODEL: BF-SC770**

**400V | 1500rpm | 50Hz**



<b>ESP</b> Standby Power	<b>770kVA</b>	<b>PRP</b> Prime Power	<b>700kVA</b>
<b>ENGINE</b>	<b>Scania</b>	<b>ALTERNATOR</b>	<b>STAMFORD</b>
	<b>DC16 072A 02-13</b>		<b>S5L1D-G41</b>

**GENERAL FEATURES**

Engine: Scania DC16 072A 02-13

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

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**GENERATOR RATINGS**

Voltage	Hz	Phase	PF ( COSΦ )	Standby Amps	Standby Ratings (kW / kVA)	Prime Ratings (kW / kVA)
440/254	50	3	0.8	1010	616kW/770kVA	560kW/700kVA
415/240	50	3	0.8	1071	616kW/770kVA	560kW/700kVA
400/230	50	3	0.8	1111	616kW/770kVA	560kW/700kVA
380/220	50	3	0.8	1170	616kW/770kVA	560kW/700kVA

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-SC770****400V | 1500rpm | 50Hz****ENGINE SPECIFICATION**

Manufacturer / Model	Scania DC16 072A 02-13
Air intake system	Turbo, Air/Air Cooling
Fuel system	Elec. Injection
Cylinder arrangement	8 in "V"
Displacement	16.4L
Bore and stroke	130×154 (mm)
Compression ratio	16.7:1
Rated speed	1500rpm
Max. Standby power at rated speed	680W
Governor type	EMS

**Exhaust System**

Exhaust gas flow	45kg/min
Exhaust temperature	575°C
Max back pressure	10kPa

**Air Intake System**

Max intake restriction	6kPa
Combustion air flow	42Kg/min
Air flow required for radiator	960Kg/min



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**Fuel System**

Fuel consumption @ 100% (Prime Power) Load	193 g/KWh	137L/h
Fuel consumption @ 75% (Prime Power) Load	191 g/KWh	102L/h
Fuel consumption @ 50% (Prime Power) Load	194 g/KWh	70L/h

**Oil System**

Total oil capacity	48L
Oil consumption ratio based on fuel consumption data	≤0.2g/kwh
Oil sump capacity	40-48L

**Cooling System**

Coolant capacity	24L(Without radiator)
Max water temperature	105°C



**MODEL: BF-SC770****400V | 1500rpm | 50Hz****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	670kVA
Alternator Efficiency	95.0%

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Related range of voltage setting	$\geq \pm 5\%$
Steady-state voltage deviation	$\leq \pm 1\%$
Transient voltage deviation (100 % sudden power decrease)	$\leq +20\%$
Transient voltage deviation (sudden power increase)	$\leq -15\%$
Voltage recovery time (100 % sudden power decrease)	$\leq 4S$
Voltage recovery time (sudden power increase)	$\leq 4S$
Related range of frequency setting	0-5% adjustable
Steady-state frequency band	$\leq 0.5\%$
Transient frequency deviation (100 % sudden power decrease)	$\leq +10\%$
Transient frequency deviation (sudden power increase)	$\leq -7\%$
Frequency recovery time (100 % sudden power decrease)	$\leq 3S$
Frequency recovery time (sudden power increase)	$\leq 3S$

**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

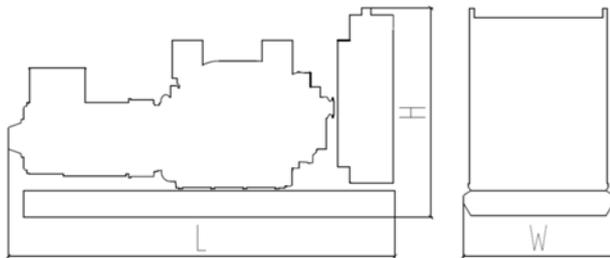
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**OPTIONS**

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

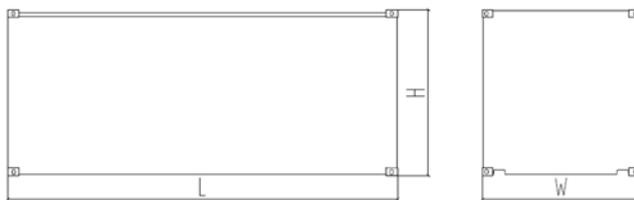
**DIMENSIONS & WEIGHT**



**Standard Configuration (open type)**

Overall Size: 3540×1270×1930 (mm)

Weight: 4020kg



**Soundproof Type**

Overall Size: 5030×1660×2550 (mm)

Weight: 6030kg

*Specifications are subject to change without notice.*

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