

BTA450SC

Diesel Genset Powered by

SCANIA

Generating Rates

Service		Prime	Standby
Power	kVA	410	450
Power	kW	328	360
Current	(cos Phi=0,8) A	590,4	648
Standart Voltage	V	400/231	400/231
Revolution Per Minute	r.p.m	1500	1500
Rated At Power Factor	Cos Phi	0,8	0,8

Standart Features

- 4 stroke 1500RPM, water cooled heavy duty diesel engine
- Dry type replacable air filter
- Heatresistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Preheater 4 poles synchrontype, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram User manual and operating manual
- Protection system on manual run
- Lubrication oil and anti – freeze

Optional Equipments

- Soundproof canopy
- Automatic transfer switch
- Circuit Breaker
- Trailer
- External fuel tank
- Electronic governor
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manual)
- Analog indicators
- 1 Phase 3 phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

Standby Power

Supplying of electrical power at variable load, in the event of normal utility power failure according to ISO85281. This rating is maximum power, no overload capability is available.

Prime Power

Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility powerfailure according to ISO85281. 10% over load capability is available.



Generating Rates

Service		Specifications
Manufacturer		SCANIA
Model		DC13072A 02-12
Type		4 Stroke
Stand-by Power	kW/m	403
Prime Power	kW/m	365
Cylinder Arrangement		6
Displacement	lt	12,7
Cooling System		Water Cooling
Bore x Stroke	mm	130x160
Compression Ratio		16,3:1
Aspiration		Turbocharger, Intercooler
Governor Type		Electronic
Electrical System	VDC	24
Lubricant Oil Capacity	lt	45
Coolant Capacity	lt	45
Frequency	Hz-rpm	50-1500
Jacket Water Heater	Piece x W	1x500
Battery	Piece x AH	2x120
Charge Alternator Current	A	100
Injection System		Direct
Cooling Air Flow	m³/min	330
Combustion Air Flow	m³/min	30
Exhaust Gas Flow	m³/min	32
Exhaust Gas Temperature	°C	509
Fuel Consumption Under 100% Load	lt/h	79,5
Fuel Consumption Under 75% Load	lt/h	59
Fuel Consumption Under 50% Load	lt/h	40

Alternator Rates

Service		Specifications
Phase / Pole Number		3/4+
Excitation System		Self Excited, Brushless
Voltage Regulator		A.V.R
Voltage Regulation		±%1
Insulation Class		H
Protection Class		IP23
Connection Type		Star
Frequency	Hz	50
Power Factor		Cos Φ = 0,8
Total Harmonic Distortion (No Load)		< % 3.5
Output Voltage	VAC	231/400

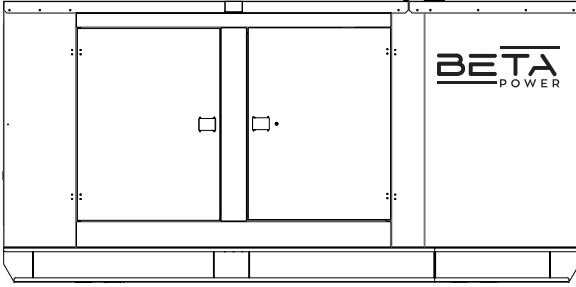
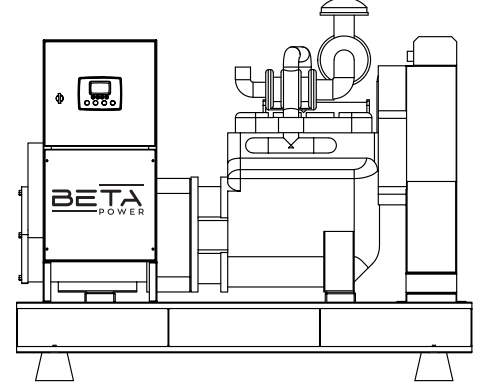
Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs full snapshot
- Multiple Automatic test program
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V&I
- Harmonic analysis of V&I
- Synchroscope & check synch 16
- Amp MCB & GCB outputs 8 configurable digital outputs
- Outputs expandable to 40 4 configurable analog outputs
- Battery charge run enabled
- Weekly Operation Schedule
- Dual mutual standby with equal aging of gensets
- Manual speed fine adjust some ECU's
- Automatic fuel pumpcontrol
- Disable protection feature
- Excess protection power
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Waveform display of V&I
- Battery backup real time clock
- Idle speed control
- All parameters front panel editable
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Free configuration software
- Allow SMS controls
- Mobile genset support
- Automatic GSM geolocation
- GPS connectivity (USB & RS232)
- Modem & ethernet diagnostic
- Configurable through USB, RS485, Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS

Dimensions Without Canopy and Weight

Specifications

Width	mm	1250
Length	mm	3360
Height	mm	2150
Weight	kg	3250



Dimensions With Canopy and Weight

Specifications

Width	mm	1600
Length	mm	4100
Height	mm	2550
Weight	kg	4350

