

BTA80SD

Diesel Genset Powered by



Generating Rates

Service		Prime	Standby
Power	kVA	70	77
Power	kW	56	61,6
Current	(cos Phi=0,8) A	100,8	110,88
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
Brand		SDEC
Power PRP	kW	62
Model		SC4H95D2
N° of Cylinders / Valves		4/16
Engine Type		4 STROKE
Displacement	lt	4,3
Aspiration		Turbocharged
Bore x Stroke	(mm x mm)	105x124
Compression Ratio		17,3:1
Air Filter		Replaceable Element
Cooling Method		Water Cooled
Total Coolant Capacity	lt	19,3
Governor Type		Electronic
Electrical System		24
Battery Charger Current		55
Oil Capacity		13
Exhaust Gas Flow PRP	m³/min	10,4
Exhaust Gas Temp.	°C	600
Air Flow PRP	m³/min	4,7
Cooling Air Flow	m³/min	111,6
Starter Power	kW	4,5
Standard Battery Voltage	V	24
Standard Battery Capacity		2x60
Standard Battery Type		Maintenance - Free Lead Acid

Alternator Rates

Service		Specifications
Standart Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1
Short Circuit Current		300
Insulation		H
Protection		IP 23
Efficiency	(%)	92,3
Overloading		1 Hour - %110
Rated At Power Factor	(Cos Phi)	0,8
Total Harmonic Distortion Rate		2
Connection Style		Star
Number of Pole		4
Number of Bearing		Single

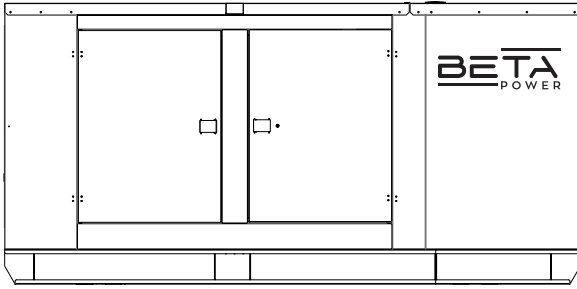
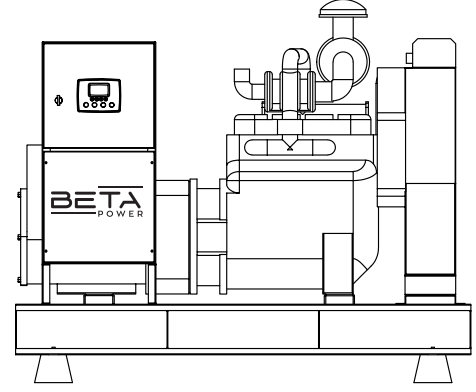
Control Panel Features

- 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	1100
Length	mm	2150
Height	mm	1320
Weight	kg	1079



Dimensions With Canopy and Weight

Specifications

Width	mm	1100
Length	mm	2880
Height	mm	1720
Weight	kg	1450

