

BTA2000CM

Diesel Genset Powered by



Generating Rates

Service		Prime	Standby
Power	kVA	1820	2000
Power	kW	1456	1600
Current	(cos Phi=0,8) A	2620,8	2880
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

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.

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



Generating Rates

Service	Specifications
Manufacturer	CUMMINS
Model	QSK60G3
Type	4 Stroke
Stand-by Power	kW/m 1790
Prime Power	kW/m 1630
Cylinder Arrangement	16
Displacement	lt 60,2
Cooling System	Water Cooling
Bore x Stroke	mm 159x190
Compression Ratio	14.5:1
Aspiration	Turbocharged, Aftercooler
Governor Type	Electronic
Electrical System	VDC 24
Lubricant Oil Capacity	lt 280
Coolant Capacity	lt 490
Frequency	Hz-rpm 50-1500
Jacket Water Heater	Piece x W TBA
Battery	Piece x AH TBA
Charge Alternator Current	A 55
Injection System	Direct
Cooling Air Flow	m³/min TBA
Combustion Air Flow	m³/min TBA
Exhaust Gas Flow	m³/min TBA
Exhaust Gas Temperature	°C TBA
Fuel Consumption Under 100% Load	lt/h 371
Fuel Consumption Under 75% Load	lt/h 276
Fuel Consumption Under 50% Load	lt/h 196

Alternator Rates

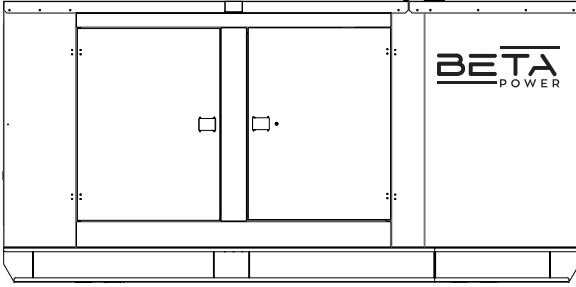
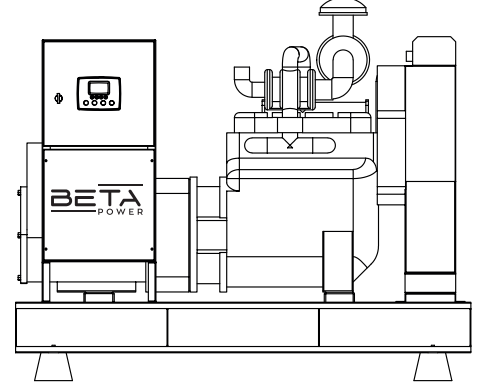
Service	Specifications
Phase / Pole Number	3/4+
Excitation System	Self Excited, Brushless
Voltage Regulator	A.V.R
Voltage Regulation	±%1
Insulation Class	H
Protection Class	IP23
Connection Type	Star
Frequency	Hz 50
Power Factor	Cos Φ = 0,8
Total Harmonic Distortion (No Load)	< % 3.5
Output Voltage	VAC 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	2500
Length	mm	6200
Height	mm	3400
Weight	kg	12750

**Dimensions With Canopy and Weight****Specifications**

Width	mm	2700
Length	mm	6500
Height	mm	4370
Weight	kg	14300

