

## BTA70DE

Diesel Genset Powered by

Detroit Engine

### Generating Rates

Service		Prime	Standby
Power	kVA	64	70
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	Detroit Engine
Model	DE 4.1 YTE 1
Cylinder Configuration	4 cylinder,vertical
No of Cylinders	4
Displacement	4.087
Bore	105
Stroke	118
Compression Ratio	18:1
Aspiration Type	Natural
Governor Type	Mechanical
Cooling System	Water
Coolant Capacity	72
Lubrication Oil Capacity	13
Electrical System (DC)	12 or 24 V
Speed/ Frequency	1500/50
Engine Gross Power	
Fuel Consumption %110 ESP	tba
Fuel Consumption %100 ESP	14.7
Fuel Consumption %75 ESP	11,6
Fuel Consumption %50 ESP	8,66
Exhaust Outlet Temperature	
Exhaust Gas Flow	
Combustion Air Flow	
Cooling Air Flow	

## Alternator Rates

Service	Specifications
No of Phases	3
Power Factor	0,8
No of Bearings	Single
No of Poles	4
No of Leads	6-12
Insulation Class	H
Degree of Protection	IP23
Excitation System	AVR

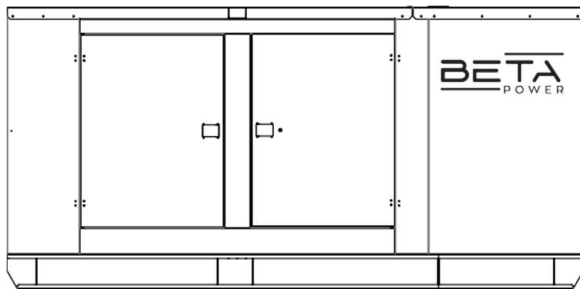
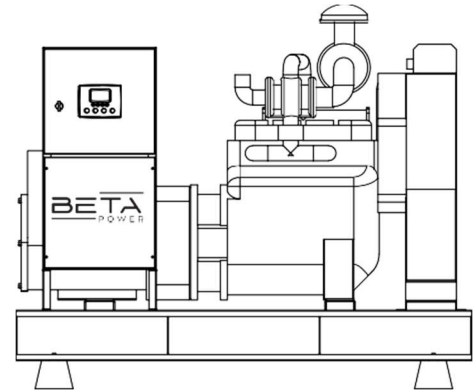
## Control Panel Features

- 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	900
Length	mm	2100
Height	mm	1600
Weight	kg	920
Fuel Tank Capacity	lt	136



## Dimensions With Canopy and Weight

### Specifications

Width	mm	900
Length	mm	2500
Height	mm	1650
Weight	kg	1100
Fuel Tank Capacity	lt	136

