

BTA50PE

Diesel Genset Powered by



Generating Rates

Service		Prime	Standby
Power	kVA	45	49,5
Power	kW	36	39,6
Current	(cos Phi=0,8) A	64,8	71,28
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	PERKINS
Model	PERKINS1103A-33TG1
Cylinder Configuration	IN-LINE
No of Cylinders	3
Displacement	3,3
Bore	105
Stroke	127
Compression Ratio	17,25:1
Aspiration Type	Turbo-charged
Governor Type	Mechanical
Cooling System	Water
Coolant Capacity	lt
Lubrication Oil Capacity	lt
Electrical System (DC)	12
Speed/ Frequency	rpm/Hz
Engine Gross Power	kW
Fuel Consumption %110 ESP	lt/h
Fuel Consumption %100 ESP	lt/h
Fuel Consumption %75 ESP	lt/h
Fuel Consumption %50 ESP	lt/h
Exhaust Outlet Temperature	°C
Exhaust Gas Flow	m³/min
Combustion Air Flow	m³/min
Cooling Air Flow	m³/min

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

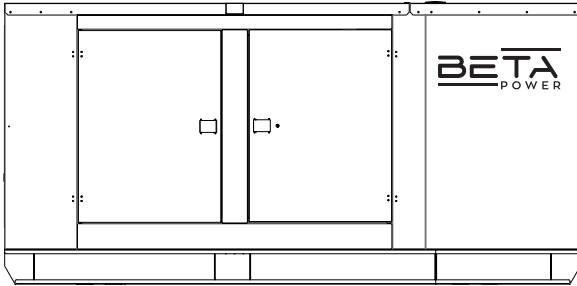
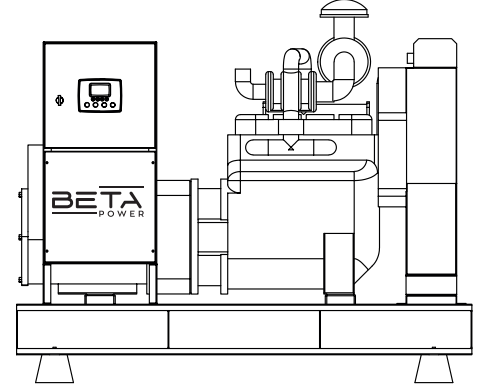
Control Panel Features

- 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	830
Length	mm	1600
Height	mm	1181
Weight	kg	817



Dimensions With Canopy and Weight

Specifications

Width	mm	830
Length	mm	2150
Height	mm	1380
Weight	kg	1002

