

BTA1650PE

Diesel Genset Powered by



Generating Rates

Service		Prime	Standby
Power	kVA	1500	1650
Power	kW	1200	1320
Current	(cos Phi=0,8) A	2160	2376
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	PERKINS
Model	PERKINS4012-46TAG2A
Cylinder Configuration	V TYPE
No of Cylinders	12
Displacement	45,842
Bore	160
Stroke	190
Compression Ratio	13:01
Aspiration Type	Turbo-charged - Intercooler
Governor Type	Electronic
Cooling System	Water
Coolant Capacity	lt210
Lubrication Oil Capacity	lt177
Electrical System (DC)	24
Speed/ Frequency	rpm/Hz1500/50
Engine Gross Power	kW1459
Fuel Consumption %110 ESP	lt/h335
Fuel Consumption %100 ESP	lt/h301
Fuel Consumption %75 ESP	lt/h237
Fuel Consumption %50 ESP	lt/h162
Exhaust Outlet Temperature	°C455
Exhaust Gas Flow	m³/min320
Combustion Air Flow	m³/min128
Cooling Air Flow	m³/min1212

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

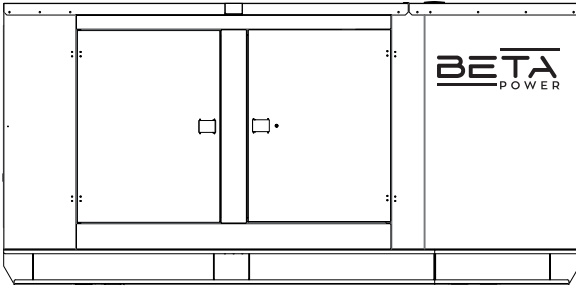
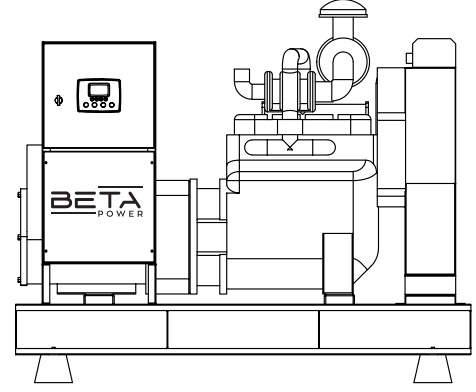
Control Panel Features

- 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	TBA
Length	mm	TBA
Height	mm	TBA
Weight	kg	TBA



Dimensions With Canopy and Weight

Specifications

Width	mm	TBA
Length	mm	TBA
Height	mm	TBA
Weight	kg	TBA

