

## BTA13PE

Diesel Genset Powered by



### Generating Rates

| Service               |                 | Prime   | Standby |
|-----------------------|-----------------|---------|---------|
| Power                 | kVA             | 12      | 13      |
| Power                 | kW              | 9,6     | 10,4    |
| Current               | (cos Phi=0,8) A | 17,28   | 18,72   |
| 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                      | PERKINS403A-15G1   |
| Cylinder Configuration     | IN-LINE            |
| No of Cylinders            | 3                  |
| Displacement               | 1,496              |
| Bore                       | 84                 |
| Stroke                     | 90                 |
| Compression Ratio          | 22,5:1             |
| Aspiration Type            | Natural Aspiration |
| 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            |

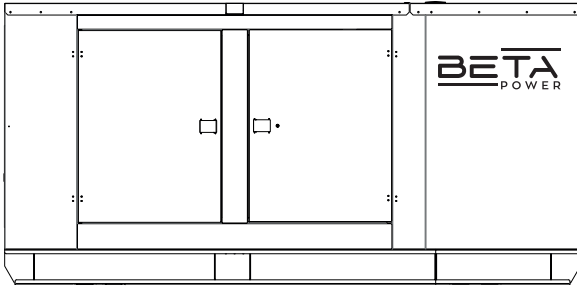
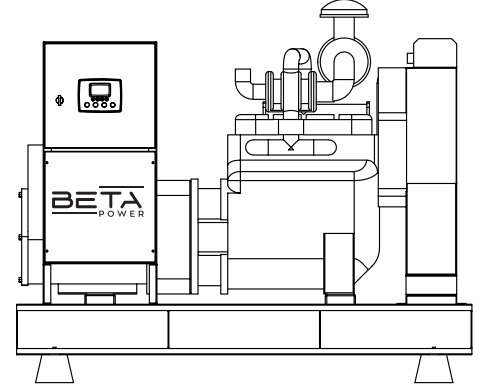
## Control Panel Features

- 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 | 730  |
| Length | mm | 1389 |
| Height | mm | 1003 |
| Weight | kg | 454  |



## Dimensions With Canopy and Weight

### Specifications

|        |    |      |
|--------|----|------|
| Width  | mm | 730  |
| Length | mm | 1900 |
| Height | mm | 1200 |
| Weight | kg | 614  |

