



| Engine Specifications         |            |               |
|-------------------------------|------------|---------------|
| Brand                         |            | PERKINS       |
| Model                         |            | 1104A-44TG1   |
| Engine Power Stand BY         | (kWm / hp) | 65,6/88       |
| Revolution Per Minute         | (r.p.m.)   | 1500          |
| Total Displacement            | (L)        | 4.4           |
| Cylinders Orientation         |            | 4 SINGLE LINE |
| Bore x Stroke                 | (mm x mm)  | 105 x 127     |
| Compression Orientation       |            | 17,25:1       |
| Governor Type                 |            | MECHANIC      |
| Aspiration System             |            | TURBO CHARGE  |
| Injection                     |            | DIRECT        |
| Cooling                       |            | WATER COOLED  |
| Electrical System             | (VDC)      | 12            |
| Lub-Oil Capacity              | (L)        | 8             |
| Engine Coolant Capacity       | (L)        | 13            |
| Fuel Tank Capacity            | (L)        | 176           |
| Maximum Exhaust Temperature   | (°C)       | 515           |
| Maximum Exhaust Gas Flow      | (m3/h)     | 10.5          |
| Maximum Allowed Back Pressure | (kPa)      | 10            |
| Cooling Air Flow              | (m3/min)   | 89            |
| Fuel Consumption 50 %         | (L/h)      | 8             |
| Fuel Consumption 75 %         | (L/h)      | 11.2          |
| Fuel Consumption 100 %        | (L/h)      | 14.8          |

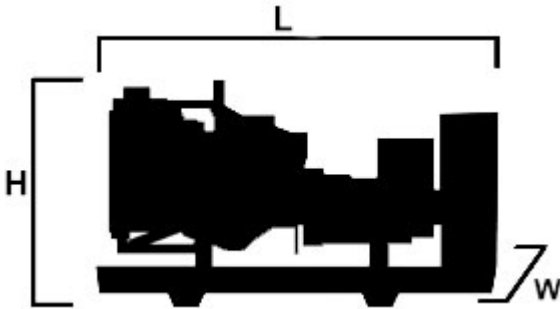
• Replacable cylinder jacket • Dry type replacable oil filter • Heat-resistant radiator for 50 °C

| Alternator Specifications      |           |                  |
|--------------------------------|-----------|------------------|
| Output Voltage                 | (V)       | 400/230          |
| Frequency                      | (Hz)      | 50               |
| Stationary Voltage Regulation  | (±)       | 1 %              |
| Short Circuit Current          |           | > 300 %          |
| Insulation                     |           | H                |
| Protection                     |           | IP 23            |
| Efficiency                     | (%)       | 90,7             |
| Overloading                    |           | 110 % FOR 1 HOUR |
| Power Factor                   | (cos Phi) | 0.8              |
| Total Harmonic Distortion Rate |           | THF < 2 %        |
| Connection Type                |           | STAR             |
| Number Of Pole                 |           | 4                |
| Number Of Bearing              |           | SINGLE           |

• 4 Poles, Self-Excitation and Self-Cooled, Brushless, Synchronotype alternator  
• Electronic type automatic voltage regulator (AVR)

### Dimensions Without Canopy

| Dimensions and Weight |    |      |
|-----------------------|----|------|
| Length ( L )          | mm | 2000 |
| Height ( H )          | mm | 1700 |
| Width ( W )           | mm | 1000 |
| Wet weight            | kg | 950  |
| Fuel Tank Capacity    | L  | 176  |



### Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- Allows closed transfers
- 16Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple nominal conditions
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel filling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge0 run enabled
- Combat mode support
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem & Ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity ( USB & RS232 )
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gasket

### Dimensions With Canopy

| Dimensions and Weight |    |      |
|-----------------------|----|------|
| Length ( L )          | mm | 2400 |
| Height ( H )          | mm | 1800 |
| Width ( W )           | mm | 1000 |
| Wet weight            | kg | 1150 |
| Fuel Tank Capacity    | L  | 176  |

