

| Generating Rate | es | Prime | Standby |
|-----------------------|-----------------|---------|---------|
| Power | kVA | 227 | 250 |
| Power | kW | 182 | 200 |
| Current | (cos Phi=0,8) A | 329 | 361 |
| Standard Voltage | V | 400/231 | 400/231 |
| Revolution Per Minute | r.p.m | 1500 | 1500 |
| Rated At Power Factor | Cos Phi | 0,8 | 0,8 |

Standard Features

- 4 stroke 1500RPM, water cooled heavy duty diesel engine
- Dry type replacable air filter
- Heat-resistant radiator for 50 °C
- Flexible oil pipes and oil draining valve
- Pre-heater 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
- Electronic governor

Optional Equipments

- Soundproof canopy
- Automatic transfer switch
- Circuit Breaker
- Trailer
- External fuel tank
- 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

- Prime Power: Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility powerfailure according to ISO8528-1. 10% over load capability is available.
- Stand By Power: Supplying of electrical power at variable load, in the event of normal utility power failure according to ISO8528-1. This rating is maximum power, no overload capability is available.



| Engine Specifications | | |
|-------------------------------|------------|--------------------|
| Brand | | PERKINS |
| Model | | 1206A-E70TTAG2 |
| Engine Power | (kWm / hp) | 218/296 |
| Revolution Per Min | (r.p.m) | 1500 |
| Total Displacement | (L) | 8,8 |
| Cylinders Orientation | | 6 Vertical In-line |
| Broke x Stroke | (mm x mm) | 112 x 149 |
| Compression Orientation | | 16,1:1 |
| Governor Type | | Electronic |
| Aspiration System | | Turbo AAC |
| Injection | | Direct |
| Cooling | | Water Cooled |
| Electrical System | (VDC) | 24 |
| Lub-oil Capacity | (L) | 41 |
| Engine Coolant Capacity | (L) | 29,6 |
| Fuel Tank Capacity | (L) | 400 |
| Maximum Exhaust Temperature | (°C) | 475 |
| Maximum Exhaust Gas Flow | (m3/h) | 15 |
| Maximum Allowed Back Pressure | (kPa) | 21 |
| Cooling Air Flow | (m3/min) | 223 |
| Fuel Consumption 50 % | (L/h) | 23,5 |
| Fuel Consumption 75 % | (L/h) | 35,7 |
| Fuel Consumption 100 % | (L/h) | 48,6 |
| | | |

Replacable cylinder jacket

Dry type replacable air filter

Heat-resistant radiator for 50 °C

| Alternator Specifications | | |
|--------------------------------|-----------|---------------|
| Standard Voltage | (V) | 400/231 |
| Frequency | (Hz) | 50 |
| Stationary Voltage Regulation | (±) | 1 |
| Short Circuit Current | | 300 |
| Insulation | | Н |
| Protection | | IP 23 |
| Efficiency | (%) | 92,5 |
| Overloading | | 1 Hour - %110 |
| Rated At Power Factor | (cos Phi) | 0,8 |
| Total Harmonic Distortion Rate | | 2 |
| Connection Style | | Star |
| Number of Pole | | 4 |
| Number of Bearing | | Single |

Self-cooled

- Electronic type automatic voltage regulator (AVR)
- 4 poles, self-excitation, brushless, synchrontype alternator

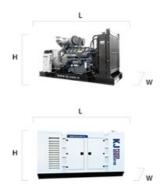


Dimensions Without Canopy and Weight

| WIDTH x LENGTH x HEIGTH | mm | 1300x2980x1755 |
|-------------------------|----|----------------|
| Wet Weight | kg | 2289 |

Dimensions With Canopy and Weight

| WIDTH x LENGTH x HEIGTH | mm | 1300x3645x300 |
|-------------------------|----|---------------|
| Wet Weight | kg | 2779 |



Control Panel Features

- Diesel and gas genset support
- 400Hz operation support
- Multiple Automatic test program
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V&I
- Synchroscope & check synch
- 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 back-up 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 geo-location
- GPS connectivity (USB & RS232)
- Modem & ethernet diagnostic
- Configurable through USB, RS-485, Ethernet and GPRS
- Ready for central monitoring Ethernet and GPRS