

| Generating Rates      |                 | PRIME   | STANDBY |  |
|-----------------------|-----------------|---------|---------|--|
| Power                 | kVA             | 2272    | 2500    |  |
| Power                 | kW              | 1818    | 2000    |  |
| Current               | (cos Phi=0,8) A | 3292    | 3623    |  |
| Standard Voltage      | V               | 400/230 |         |  |
| Revolution Per Minute | r.p.m.          | 1500    |         |  |
| Rated at power factor | Cos Phi         | 0,8     |         |  |

- Standard Features
- 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- Protection system on manuel run
- Flexible oil pipes and oil draining valve
- Pre-heater
- Lubrication oil and anti-freeze
- 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

- Optional Equipments
- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analog indicators
- 1 Phase 3 Phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

**Stand By Power** : Supplying of emergency electrical power at variable load, in the event of normal utility power failure. 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 power failure. 10% over load capability is available.



Model: KJP2500 Powered by PERKINS

Diesel Generator

| Engine Specifications         |            |              |  |  |  |  |
|-------------------------------|------------|--------------|--|--|--|--|
| Brand                         |            | PERKINS      |  |  |  |  |
| Model                         |            | 4016-61TRG3  |  |  |  |  |
| Engine Power Stand BY         | (kWm / hp) | 2083/2791    |  |  |  |  |
| Revolution Per Minute         | (r.p.m.)   | 1500         |  |  |  |  |
| Total Displacement            | (L)        | 61.123       |  |  |  |  |
| Cylinders Orientation         |            | 16 V TYPE    |  |  |  |  |
| Bore x Stroke                 | (mm x mm)  | 160 x 190    |  |  |  |  |
| Compression Orientation       |            | 13,6:1       |  |  |  |  |
| Governor Type                 |            | ELECTRONIC   |  |  |  |  |
| Aspiration System             |            | TURBO AAC    |  |  |  |  |
| Injection                     |            | DIRECT       |  |  |  |  |
| Cooling                       |            | WATER COOLED |  |  |  |  |
| Electrical System             | (VDC)      | 24           |  |  |  |  |
| Lub-Oil Capacity              | (L)        | 237          |  |  |  |  |
| Engine Coolant Capacity       | (L)        | 260          |  |  |  |  |
| Fuel Tank Capacity            | (L)        |              |  |  |  |  |
| Maximum Exhaust Temperature   | (°C)       | 775          |  |  |  |  |
| Maximum Exhaust Gas Flow      | (m3/H)     | 260          |  |  |  |  |
| Maximum Allowed Back Pressure | (kPa)      | 32           |  |  |  |  |
| Cooling Air Flow              | (m3/min)   | 2440         |  |  |  |  |
| Fuel Consumption 50 %         | (L/h)      | 126          |  |  |  |  |
| Fuel Consumption 75 %         | (L/h)      | 234          |  |  |  |  |
| Fuel Consumption 100 %        | (L/h)      | 344          |  |  |  |  |

• 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                     |           | н                |
| Protection                     |           | IP 23            |
| Efficiency                     | (%)       | 95.4             |
| 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, Brushless, Synchrontype alternator
Electronic type automatic voltage regulator (AVR)

Self-Cooled

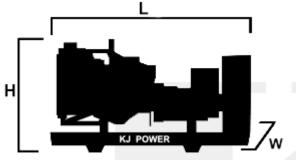


## Model: KJP2500

Powered by PERKINS Diesel Generator

## Dimensions Without Canopy

| Dimensions and Weight |    |       |
|-----------------------|----|-------|
| Length (L)            | mm | 6000  |
| Height(H)             | mm | 2700  |
| Width (W)             | mm | 2400  |
| Wet weight            | kg | 13750 |
| Fuel Tank Capacity    | L  |       |



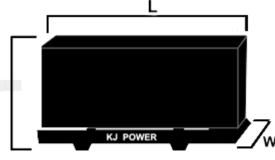
## Control Panel Features

- · 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 fiiling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge0 run enabled

## Dimensions With Canopy

| Dimensions and Weight |    |       |
|-----------------------|----|-------|
| Length (L)            | mm | 12000 |
| Height ( H )          | mm | 3500  |
| Width ( W )           | mm | 2400  |
| Wet weight            | kg | 16500 |
| Fuel Tank Capacity    | L  |       |



- Contactor & MCB drive
- 4 quadrant genset power counters
- · Mains power counters
- · Fuel fiiling 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



