

## MODEL : K65PS



Image provided for illustrative purposes only

| Power Rating      |     |      |
|-------------------|-----|------|
| Standby power LTP | kVA | 66,7 |
| Prime power PRP   | kVA | 60,5 |

| Main Features        |            |          |
|----------------------|------------|----------|
| Frequency            | Hz         | 50       |
| Voltage              | V          | 400/230V |
| Power factor         | cos $\phi$ | 0,8      |
| Phase and connection |            | 3        |

| Main Specifications                         |                |               |
|---|----------------|---------------|
| Engine Make & Model                         | Perkins        | 1103A-33TG2   |
| Speed Governor                              |                | Mechanical    |
| Alternator Make & Model                     | Mecc Alte      | ECP32-2M/4 B  |
| Fuel Tank (ltrs) / Autonomy @75% load (hrs) | 209            | 20            |
| Noise Level - dB(A)@7mt                     |                | 67            |
| Dimensions                                  | L x W x H (mm) | 2285x920x1465 |
| Weight                                      | Kg             | 1058          |

### General Structure

Engine/alternator monoblock unit coupled and mounted via adequately sized, anti-vibration mountings to Welded Steel Profile Base Frame with welded or screwed support legs. Plastic Fuel Tank with filler neck, air breather, minimum fuel level sensor.

- Soundproof canopy made up of modular panels, realized with zincated steel as treatment against corrosion and aggressive conditions, properly fixed and sealed allowing a full weatherproof enclosure.
- Easy access to the genset for maintenance purposes thanks to: Wide lateral access doors fixed by stainless steel hinges and provided with plastic lockable handles and internal perforated galvanized steel-sheet; Detachable panels, with screws holes protected by rubber tap.
- Control panel protection door provided with suitable window and lockable handle.
- Lateral air inlet opening properly protected and soundproofed. Exhaust air outlet from the roof, trough wet section protected by proper grid.
- Single detachable lifting eye placed on the roof.
- Noise attenuation thanks to soundproofing material (rock wool)
- Efficient residential silencer placed inside the canopy

## TECHNICAL DATA SHEET

| Engine                          |                 |              |
|---------------------------------|-----------------|--------------|
| Brand                           |                 | Perkins      |
| Model                           |                 | 1103A-33TG2  |
| Speed Governor                  |                 | Mechanical   |
| Max power PRP                   | kW              | 55           |
| R.P.M.                          |                 | 1500         |
| Cylinders                       |                 | 3 in line    |
| Displacement                    | cm <sup>3</sup> | 3300         |
| Fuel consumption at 75% of load | l/h             | 10,4         |
| Cooling System                  |                 | Water        |
| Aspiration                      |                 | Turbocharged |

| ALTERNATOR                |    |              |
|---------------------------|----|--------------|
| Brand                     |    | Mecc Alte    |
| Model                     |    | ECP32-2M/4 B |
| Pole                      |    | 4            |
| Stator/rotator insulation |    | H            |
| Protection level          | IP | 23           |

| PHYSICAL CHARACTERISTICS |                |               |
|--------------------------|----------------|---------------|
| Integrated fuel tank     | LTR            | 209           |
| Lead acid batteries      |                | 12V70AH       |
| Dimensions               | W x L x H (mm) | 2285x920x1465 |
| Weight                   | Kg             | 1058          |

| Noise Level dB(A) LWA  |           |    |
|------------------------|-----------|----|
| Guaranteed Noise Level | dB(A) LWA | 96 |
| Noise Pressure Level   | @ 7 mt    | 67 |

**MCP - Manual control panel**

Mounted on the genset and complete of: analogue instrumentation, control, protection of the generating set, protected through door with lockable handle.

**INSTRUMENTATION (ANALOGUE)**

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hours-counter

**COMMANDS**

- Start/stop selector switch with key (Glow plugs preheating function also included).
- Emergency stop button installed on canopy side.

**PROTECTION WITH ALARM**

- Low fuel level
- Battery charger failure
  - low oil pressure
- high engine temperature
  - Earth Fault.

**PROTECTIONS WITH SHUTDOWN**

- Low fuel level
- Battery charger failure
  - low oil pressure
- high engine temperature.
- Circuit breaker protection: III poles
  - Emergency stop button

**OTHERS**

- Panel protected through door with lockable handle.

**OUT PUT PANEL MCP**

Power cables connection to Circuit Breaker.

External Terminal Board (ETB) **Optional**

Socket kit **Optional**



### ACP - Automatic control panel

Mounted on the genset, complete with digital control unit AC03 for monitoring, control and protection of the generating set, protected through door with lockable handle.

#### COMMANDS AND OTHERS

- Four operation modes: OFF - Manual starting - Automatic starting - Automatic test.
  - Push-button for forcing Mains contactor or Genset contactor.
- Push-buttons: start/stop, fault reset, up/down/page/enter selection.
  - Remote starting availability.
  - DC system disconnection switch.
    - Acoustic alarm.
  - Automatic battery charger.
  - RS232 Communication port.
- Settable PASSWORD for protection level.

#### ALARM PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature.
- Genset protection: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage

#### SHUT DOWN PROTECTION

- Engine protection: low fuel level, low oil pressure, high engine temperature,
- Genset protection: under/over voltage, overload, under/over battery voltage, battery charger failure.
  - Circuit breaker protection: III poles.
  - Earth Fault included in the control unit.

#### OTHERS PROTECTION

- Emergency stop button.
- Panel protected through door with lockable handle.

#### OUTPUT PANEL ACP

Plinth row for connection from ACP to LTS panel.  
Power cables connection to Circuit Breaker.



### LTS - LOAD TRANSFER SWITCH - Accessories ACP

|                 |    |     |
|-----------------|----|-----|
| Nominal Current | A  | 110 |
| Width (W)       | mm | 700 |
| Height (H)      | mm | 500 |
| Depth (D)       | mm | 290 |