

# MODEL : K700PO



Image provided for illustrative purposes only

| Power Rating      |     |       |
|-------------------|-----|-------|
| Standby power LTP | kVA | 700,0 |
| Prime power PRP   | kVA | 650,0 |

| 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        | 2806A-E18TAG2  |
| Speed Governor                              |                | Electronic     |
| Alternator Make & Model                     | Mecc Alte      | ECO40-2L/4     |
| Fuel Tank (ltrs) / Autonomy @75% load (hrs) | 636            | 7              |
| Noise Level - dB(A)@7mt                     |                | na             |
| Dimensions                                  | L x W x H (mm) | 3800x1670x2320 |
| Weight                                      | Kg             | 4590           |

## General Structure

### BASE FRAME MADE OF WELDED STEEL PROFILE, COMPLETE WITH:

- Anti-vibration mountings properly sized
- Welded or Screwed support legs.

### PLASTIC FUEL TANK WITH THE FOLLOWING COMPONENT:

- Filler neck
- Air breather (ventilation pipe)
- Minimum fuel level sensor

### MANUAL OIL DRAININ PUMP:

- Oil draining facilities

### ENGINE COMPLETE WITH:

- Battery
- Liquids (no fuel)

### PROTECTIONS:

- Moving and rotating parts protection against accidental contacts

### LIFTING:

- Lifting points frame structure.

### EXHAUST (STANDARD):

- Industrial silencer (loose)

## TECHNICAL DATA SHEET

| Engine                          |                 |                          |
|---------------------------------|-----------------|--------------------------|
| Brand                           |                 | Perkins                  |
| Model                           |                 | 2806A-E18TAG2            |
| Speed Governor                  |                 | Electronic               |
| Max power PRP                   | kW              | 553                      |
| R.P.M.                          |                 | 1500                     |
| Cylinders                       |                 | 6 in line                |
| Displacement                    | cm <sup>3</sup> | 18130                    |
| Fuel consumption at 75% of load | l/h             | 97,0                     |
| Cooling System                  |                 | Water                    |
| Aspiration                      |                 | Turbocharged intercooled |

| ALTERNATOR                |    |            |
|---------------------------|----|------------|
| Brand                     |    | Mecc Alte  |
| Model                     |    | ECO40-2L/4 |
| Pole                      |    | 4          |
| Stator/rotator insulation |    | H          |
| Protection level          | IP | 21         |

| PHYSICAL CHARACTERISTICS |                |                |
|--------------------------|----------------|----------------|
| Integrated fuel tank     | LTR            | 636            |
| Lead acid batteries      |                | 24V180Ah       |
| Dimensions               | L x W x H (mm) | 3800x1670x2320 |
| Weight                   | Kg             | 4590           |

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

### 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.  
 External Terminal Board (ETB) Standard



### LTS - LOAD TRANSFER SWITCH - Accessories ACP

|                 |    |      |
|-----------------|----|------|
| Nominal Current | A  | 1000 |
| Width (W)       | mm | 1000 |
| Height (H)      | mm | 800  |
| Depth (D)       | mm | 450  |