

# MODEL : K65PO



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)	240	23
Noise Level - dB(A) @7mt		0
Dimensions	L x W x H (mm)	2200x1000x1743
Weight	Kg	882

## General Structure

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

- Steel base frame with support legs
- Anti-vibration mountings properly sized
- Grounding point to connect all metal parts of the generating set

### FUEL TANK WITH THE FOLLOWING COMPONENT:

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

### PROTECTIONS:

- Moving and rotating parts protection against accidental contacts.

### ENGINE COMPLETE WITH:

- Battery
- Liquids (no fuel)

### EXHAUST (Standard):

- Industrial silencer (loose)

## 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	240
Lead acid batteries		12V70AH
Dimensions	L x W x H (mm)	2200x1000x1743
Weight	Kg	882

Noise Level dB(A) LWA		
Guaranteed Noise Level	dB(A) LWA	0
Noise Pressure Level	@ 7 mt	0

**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.



**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