

MODEL : KC1400PO



Image provided for illustrative purposes only

Power Rating		
Standby power LTP	kVA	1399,2
Prime power PRP	kVA	1266,0

Main Features		
Frequency	Hz	50
Voltage	V	400/230V
Power factor	cos ϕ	0,8
Phase and connection		3

Main Specifications		
Engine Make & Model	Perkins	4012-46TWG2A
Speed Governor		Electronic
Alternator Make & Model	Mecc Alte	ECO43-2LN/4
Fuel Tank (ltrs) / Autonomy @75% load (hrs)	1000	5
Noise Level - dB(A)@7mt		n.a.
Dimensions	L x W x H (mm)	5004x2200x2504
Weight	Kg	10040

General Structure

BASE FRAME:

Base frame made of welded steel profiles, complete with anti-vibration mountings properly sized.

The baseframe has a grounding point to connect all metal parts of the generating set and it provides a high structural strength.

ENGINE COMPLETE WITH:

- Liquids (no fuel)
- Manual oil Draining pump

PROTECTIONS:

- Moving and rotating parts protection against accidental contacts

LIFTING:

- Lifting points frame structure.

TECHNICAL DATA SHEET

Engine		
Brand		Perkins
Model		4012-46TWG2A
Speed Governor		Electronic
Max power PRP	kW	1106
R.P.M.		1500
Cylinders		12 V
Displacement	cm ³	45842
Fuel consumption at 75% of load	l/h	214,2
Cooling System		Water
Aspiration		Turbocharged aftercooled

ALTERNATOR		
Brand		Mecc Alte
Model		ECO43-2LN/4
Pole		4
Stator/rotator insulation		H
Protection level	IP	21

PHYSICAL CHARACTERISTICS		
Integrated fuel tank	LTR	1000
Lead acid batteries		24V220Ah
Dimensions	L x W x H (mm)	5004x2200x2504
Weight	Kg	10040

Noise Level dB(A) LWA		
Guaranteed Noise Level	dB(A) LWA	n.a.
Noise Pressure Level	@ 7 mt	n.a.

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.



OUTPUT PANEL ACP

External Terminal Board (ETB) Standard



LTS - LOAD TRANSFER SWITCH - Accessories ACP

Nominal Current	A	2000
Width (W)	mm	1000
Height (H)	mm	800
Depth (D)	mm	450