

MODEL : KC1650PS



Image provided for illustrative purposes only

Power Rating		
Standby power LTP	kVA	1620,0
Prime power PRP	kVA	1550,0

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	4012-46TAG2A
Speed Governor		Electronic
Alternator Make & Model	Mecc Alte	ECO46-1S/4
Fuel Tank (ltrs) / Autonomy @75% load (hrs)	1000	4
Noise Level - dB(A)@7mt		77
Dimensions	L x W x H (mm)	7800x2424x2997
Weight	Kg	13774

General Structure

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.

CANOPY: • Soundproof canopy made up of monolithic structure, built to achieve a high degree of stability and a protection against any kind of movement or infiltration. This kind of canopies are designed to meet a high standard of toughness and good noise attenuation as well as resistance to atmospheric agents, providing an integral solution ready for its installation both indoor and outdoor.

- Easy access to the genset for maintenance purposes thanks to: Wide lateral access doors fixed by stainless steel hinges and provided with lockable.
- 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.
- Lifting points located on the roof to facilitate the transport.

SOUNDPROOF: • Noise attenuation thanks to soundproofing material

- Efficient residential silencer placed inside the canopy

TECHNICAL DATA SHEET

Engine		
Brand		Perkins
Model		4012-46TAG2A
Speed Governor		Electronic
Max power PRP	kW	1331
R.P.M.		1500
Cylinders		12 V
Displacement	cm ³	45842
Fuel consumption at 75% of load	l/h	240,9
Cooling System		Water
Aspiration		Turbocharged

ALTERNATOR

Brand		Mecc Alte
Model		ECO46-1S/4
Pole		4
Stator/rotator insulation		H
Protection level	IP	21

PHYSICAL CHARACTERISTICS

Integrated fuel tank	LTR	1000
Lead acid batteries		24V220Ah
Dimensions	W x L x H (mm)	7800x2424x2997
Weight	Kg	13774

Noise Level dB(A) LWA

Guaranteed Noise Level	dB(A) LWA	n.a.
Noise Pressure Level	@ 7 mt	77

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

External Terminal Board (ETB) Standard



LTS - LOAD TRANSFER SWITCH - Accessories ACP

Nominal Current	A	2500
Width (W)	mm	1000
Height (H)	mm	800
Depth (D)	mm	450