

MODEL : K22PO



Image provided for illustrative purposes only

Power Rating		
Standby power LTP	kVA	21,8
Prime power PRP	kVA	19,8

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	404D-22G
Speed Governor		Mechanical
Alternator Make & Model	Linz	E1S13MF
Fuel Tank (ltrs) / Autonomy @75% load (hrs)	51	13
Noise Level - dB(A)@7mt		0
Dimensions	L x W x H (mm)	1600x870x950
Weight	Kg	425

General Structure

BASE FRAME MADE OF WELDER STEEL PROFILE, COMPLETE WITH:

- Anti-vibration mountings properly sized
- Visual fuel level indicator
- Integrated support legs.

PLASTIC FUEL TANK, COMPLETE WITH:

- Filler neck
- Air breather
- Fuel refilling

OIL DRAININ PIPE WITH CAP:

- Oil draining facilities

PROTECTIONS:

- Moving and rotating parts protections against accidental contacts

ENGINE COMPLETE WITH: • Battery • Liquids (no fuel)

EXHAUST (Standard): • Industrial silencer

TECHNICAL DATA SHEET

Engine		
Brand		Perkins
Model		404D-22G
Speed Governor		Mechanical
Max power PRP	kW	18,7
R.P.M.		1500
Cylinders		4 in line
Displacement	cm ³	2216
Fuel consumption at 75% of load	l/h	4,0
Cooling System		Water
Aspiration		Natural

ALTERNATOR		
Brand		Linz
Model		E1S13MF
Pole		4
Stator/rotator insulation		H
Protection level	IP	21

PHYSICAL CHARACTERISTICS		
Integrated fuel tank	LTR	51
Lead acid batteries		12V70AH
Dimensions	W x L x H (mm)	1600x870x950
Weight	Kg	425

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.

Socket kit Standard

Thermal protections

3P+N+T CEE 400V 32A n 1

3P+N+T CEE 400V 16A n 1

2P+T CEE 230V 16A n 2

230V 16A SCHUKO n 1



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.
 3P+N+T CEE 400V 32A n 1



LTS - LOAD TRANSFER SWITCH - Accessories ACP

Nominal Current	A	32
Width (W)	mm	400
Height (H)	mm	400
Depth (D)	mm	240