

MODEL : K22PSV



Image provided for illustrative purposes only

Power Rating		
Standby power LTP	kVA	21,82
Prime power PRP	kVA	19,7

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		66
Dimensions	L x W x H (mm)	1645x870x1072
Weight	Kg	565

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 (ventilation pipe)
- External fuel refilling

OIL DRAINING PIPE WITH CAP:

- Oil draining facilities

CANOPY:

- Single piece hinged soundproof canopy equipped with pneumatic arms and handles to lift up the canopy allowing easy access to the genset for maintenance purposes.
 - Simple handling operations with central lifting eye

SOUNDPROOF:

- Noise attenuation thanks to soundproofing material (polyurethane foam) and efficient residential silencer placed inside the canopy.

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)	1645x870x1072
Weight	Kg	565

Noise Level dB(A) LWA		
Guaranteed Noise Level	dB(A) LWA	95
Noise Pressure Level	@ 7 mt	66

MCP - Manual control panel

Manual control panel, mounted on the genset and complete of: instrumentation, control, protection and sockets

INSTRUMENTATION (ANALOGUE)

- Voltmeter (1 phase)
- Ammeter (1 phase)
- Hours-counter

COMMANDS AND OTHERS

- Start/stop selector switch with key (Glow plugs preheating function also included).
- Emergency stop button

PROTECTION WITH ALARM

- Battery charger failure
 - Low oil pressure
- High engine temperature
 - Earth Fault

PROTECTIONS WITH SHUTDOWN

- Battery charger failure
 - Low oil pressure
- High engine temperature
- Circuit breaker protection: III poles

OTHERS

- Cover protection power switch

OUTPUT PANEL MCP

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
- Pushbutton for forcing Mains contactor or Genset contactor
- Push-buttons: start/stop, fault reset, up/down/page/enter selection
- Emergency stop button.
- Remote starting availability.
- DC system disconnection switch
- Automatic battery charger
- Settable PASSWORD for protection level

PROTECTIONS WITH ALARM

- Engine protections: low oil pressure, high engine temperature
- Genset protections: under/over voltage, overload, under/over frequency, starting failure, under/over battery voltage, battery charger failure

PROTECTIONS WITH SHUTDOWN

- Engine protections: low oil pressure, high engine temperature
- Genset protection: under/over voltage, overload, under/over battery voltage
- Circuit breaker protection: III poles
- Differential protection

OTHERS

- Cover protection Power switch

OUTPUT PANEL ACP

Plinth row for connection from ACP to LTS panel.

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

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