

P4000 230V 50HZ #AVR #MCP

COMPACT, VERSATILE AND USER FRIENDLY



Low noise level, it is the ideal generator for use in residential areas or outside normal working hours. It's equipped with a reliable Diesel engine, first class components and complete instrumentation.

Main Features

Frequency	Hz	50
Voltage	V	230
Power factor	cos ϕ	0.9
Phase		1

Power Rating

Emergency Standby Power ESP	kVA	3,52
Emergency Standby Power ESP	kW	3,17
Continuous power COP	kVA	3,20
Continuous power COP	kW	2,88

Ratings definition (ISO-8528)

ESP - Emergency Standby Power:

It is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

COP - Continuous Power:

It is defined as being the maximum power which a generating set is capable of delivering continuously for an unlimited number of hours, with the maintenance intervals and procedure being carried out as prescribed by the manufacturers.

Engine specifications

Engine Brand	Yanmar	
Model	L70V	
[50Hz] Exhaust emission level	Stage V	
Engine cooling system	Air	
Displacement	cm ³	320
Aspiration	Natural	
Operating Speed-Nominal	rpm	3000
Speed governor	Mechanical	
Fuel	Diesel	
Oil capacity	l	1.01
Starting system	Electric	

Alternator Specifications

Type	Brushes	
Class	H	
IP protection	23	
Poles	2	
Frequency	Hz	50
Voltage tolerance	%	2
Voltage regulation system	Electronic	
Standard AVR	AVR 520	

Dimensional data

Length	(L) mm	800
Width	(W) mm	525
Height	(H) mm	850
Dry weight	kg	135
Fuel tank capacity	l	18

Autonomy

Fuel consumption at 75% of Load	l/h	1.18
Fuel consumption at 100% of Load	l/h	1.26
Running time at 75% of load	h	15.25
Running time at 100% of load	h	14.29

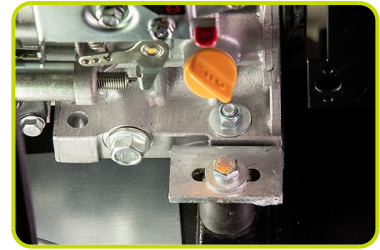
Noise level

Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 7 m	dB(A)	68



STEEL SUPPORTING FRAME:

- Sturdy Supporting Frame for moto-alternator and canopy.
- Anti-vibration mounting properly sized.



FULLY BUNDED BASEFRAME:

- Base forcable by forklift.
- Integrated Fuel Tank.
- Fuel level sensor.



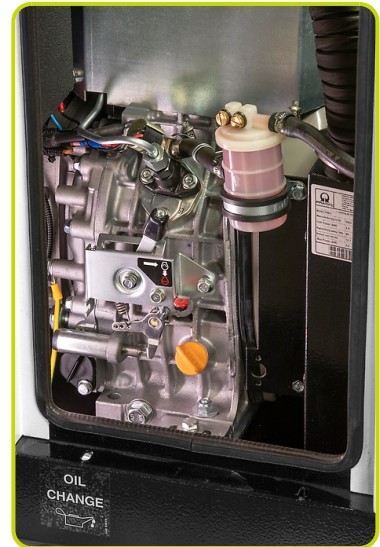
EASY AND FAST MAINTENACE SERVICE:

- Side door with lock for engine service and maintenance



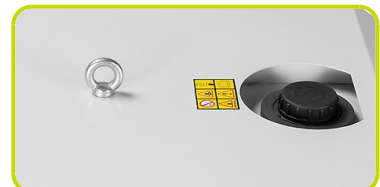
ENGINE COMPLETE WITH:

- Battery
- Liquids (No Fuel)
- Water temperature sensor
- Lube oil pressure sensor



CANOPY:

- Modular type canopy
- Weatherproof enclosure made of galvanized sheet metal.
- Noise attenuation thanks to high quality soundproofing material.
- Efficient residential silencer placed inside the canopy
- Single lifting points for easy Handling.
- Fuel refilling point on the roof external for simple and rapid refueling operations (cap with key available as an accessory)



GENSET CONTROL PANELS

Mounted on the genset and complete of: instrumentation, control, protection of the generating set and sockets.

The control panel is equipped with:

- Emergency stop button
- CONNector as standard for RSS Remote Start Stop Wireless (accessories available)

Arsilici MC005D Control unit:

- Display
- Led alarm D+ (positive dynamo)
- Led alarm fuel
- Led alarm oil
- Led temperature alarm
- Led Power Supply



SOCKET TYPE

SCHUKO 230V 16A IP54	1
2P+T CEE 230V 16A IP44	1
2P+T CEE 230V 32A IP44	1

SUPPLEMENTS CONTROL (Available when ordered)

PHS – Coolant pre-heating system

The coolant preheating system allow to mainain the engine at a temperature that ensures a quick start when required. Immersion heater 400W.



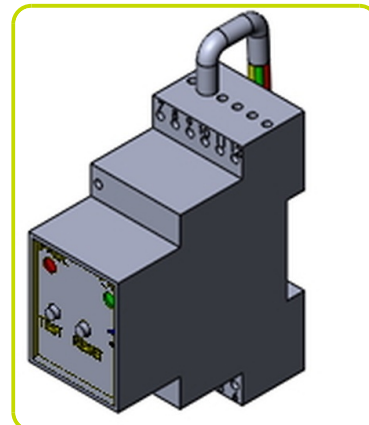
DPP – Differential Protection

Differential protection is device used to protect installations against indirect contact (not compatible with IPP).



IPP - Isometer Protection

Isometer Protection monitors the ungrounded system between an active phase conductor and earth (not compatible with DPP).



ACCESSORIES CONTROL PANEL

AMF - AUTOMATIC CONTROL PANEL

This accessory permits to control all the functions about a generator. It's built to monitor mono phase or three phase with neutral systems in alternate current; it permits to transfer the user's load on generator when the mains voltage is faulty. Conversely, as soon as AMF system detects the power grid, it stops the generator.

Equipment:

- Control and protection unit (DGT)
- Phase detector
- Contactor with interblock
- Battery charged
- Acoustic alarm
- 8 meters control wiring (with CONNector)
- External start stop capability
- Emergency stop button

Instrumentation (DGT):

- Mains voltage
- Genset voltage
- Frequency meter
- Hour meter

Alarm & Shutdowns:

- Generators voltage out of limits
- Battery Voltage out of limits
- Low oil Pressure
- Fail to start
- External shutdown



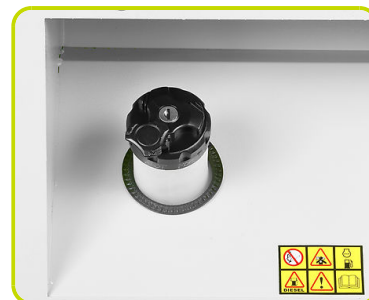
RSS - REMOTE START / STOP

RSS Remote start/stop wireless with CONNector (max Distance 90m)



ACCESSORIES

FCK - Fuel cap with key



STR - Site Trailer

