

P9000 #AVR #MCP



Main Features

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

Power Rating

Emergency Standby Power ESP	kVA	8.00
Emergency Standby Power ESP	kW	7.20
Continuous power COP	kVA	6.53
Continuous power COP	kW	5.88

Ratings definition (According to standard ISO8528 1:2005)

Engine specifications

Engine Brand	Yanmar	
Model	2TNV70-APGE	
[50Hz] Exhaust emission level	Stage V	
Engine cooling system	Water	
Displacement	cm ³	570
Aspiration	Natural	
Operating Speed-Nominal	rpm	3000
Speed governor	Mechanical	
Fuel	Diesel	
Oil capacity	l	2,2
Coolant capacity	l	0,9
Starting system	Electric	
Electric circuit	V	12

Alternator Specifications

Alternator	NSM	
Type	Brushless	
Class	H	
IP protection	23	
Poles	2	
Frequency	Hz	50
Voltage	V	230
Voltage regulation system	AVR	
Standard AVR	AVR960D	
Voltage tolerance	%	2

Dimensional data

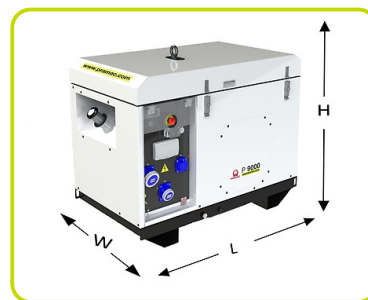
Length	(L) mm	1245
Width	(W) mm	760
Height	(H) mm	1032
Dry weight	kg	340
Fuel tank capacity	l	35

Autonomy

Fuel consumption at 75% of Load	l/h	1.76
Fuel consumption at 100% of Load	l/h	3.09
Running time at 75% of load	h	19.89
Running time at 100% of load	h	11.33

Noise level

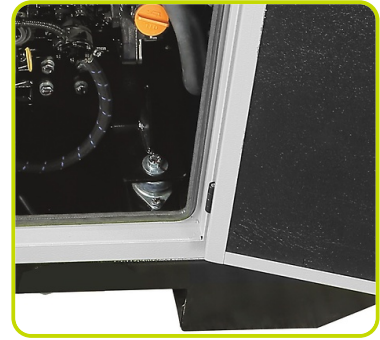
Guaranteed noise level (LWA)	dB(A)	92
Noise pressure level @ 7 m	dB(A)	64



Genset equipment

STEEL SUPPORTING FRAME:

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



FULLY BUNDED BASEFRAME:

- Base forcable by forklift.
- Welder base with drainage point
- Big fuel integrated tank for an increased autonomy.
- Fuel level sensor.
- Fuel refilling point external for simple and rapid refueling operations (cap with key available as an accessory)



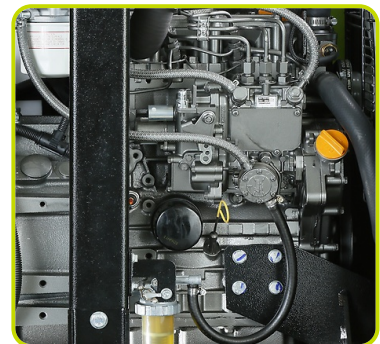
EASY AND FAST MAINTENANCE SERVICE:

- Designed to access all components by opening the roof (opening and closing with safety key).
- Side door for engine service and maintenance (opening with locking system from inside the compartment)
- Oil draining pipe with cap.



ENGINE COMPLETE WITH:

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



CANOPY:

- Modular type canopy designed for easy access to all components using only one side
- 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.



GENSET CONTROL:

- User friendly manual/remote start panel.
- Complete genset control and protection.
- Prepared for remote control
- Protection cover in plexiglass for controller

GENSET CONTROL PANELS

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

COMMANDS:

- Start selector switch with key: OFF-ON-START
- Emergency stop button
- CONNector as standard for AMF/RSS (accessories available)

PROTECTIONS:

- Circuit breaker

Arsilici MC005D Control unit:

- Display
- Led alarm D+ (Battery charger alternator failure)
- Led alarm fuel
- Led alarm oil
- Led temperature alarm
- Led Power Supply

SOCKET TYPE

SCHUKO 230V 16A IP68	1
2P+T CEE 230V 16A IP67	1
2P+T CEE 230V 32A IP67	1

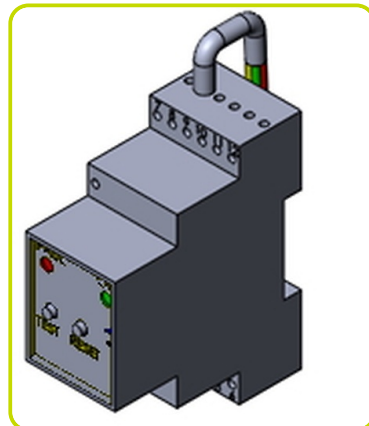
SUPPLEMENTS CONTROL (Available when ordered)

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 allows to control all the generator functions. It's built to monitor single phase or three phase with neutral systems in alternate current; it transfers the 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 interlock
- Battery maintainer
- 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

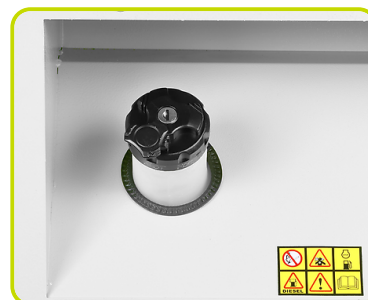
RSS - REMOTE START / STOP

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

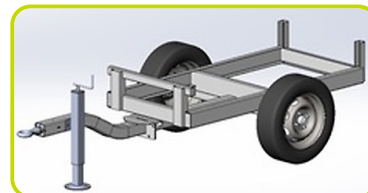


ACCESSORIES

FCK - Fuel cap with key



STR - Site Trailer



The information is aligned with the Data file at the time of download.
Printed on 22/02/2026 (ID 19406)

©2025 | PR Industrial S.r.l. – Loc. Il Piano – 53031 Casole d'Elsa (SI) – ITALY. Company subject to the management and coordination of Generac Power Systems Inc. | All rights reserved | Image shown may not reflect actual package. Specifications subject to change without notice