

P18000 400V 50Hz #MRS



Main Features

Frequency	Hz	50
Voltage	V	400/230
Power factor	cos ϕ	0.8
Phase		3

Power Rating

Emergency Standby Power ESP	kVA	18.27
Emergency Standby Power ESP	kW	14.62
Continuous power COP	kVA	16.01
Continuous power COP	kW	12.81

Ratings definition (According to standard ISO8528 1:2005)

Engine specifications

Engine Brand	Yanmar	
Model	3TNV80-FPGE	
[50Hz] Exhaust emission level	Stage V	
Engine cooling system	Water	
Displacement	cm ³	1267
Aspiration	Natural	
Operating Speed-Nominal	rpm	3000
Speed governor	Mechanical	
Fuel	Diesel	
Oil capacity	l	4.4
Coolant capacity	l	0.9
Starting system	Electric	
Electric circuit	V	12

Alternator Specifications

Alternator	NSM	
Class	H	
IP protection	23	
Poles	2	
Frequency	Hz	50
Voltage	V	400
Voltage tolerance	%	5

Dimensional data

Length	(L) mm	1500
Width	(W) mm	754
Height	(H) mm	1032
Dry weight	kg	475
Fuel tank capacity	l	51

Autonomy

Fuel consumption at 75% of Load	l/h	4.61
Fuel consumption at 100% of Load	l/h	5.99
Running time at 75% of load	h	11.06
Running time at 100% of load	h	8.51

Noise level

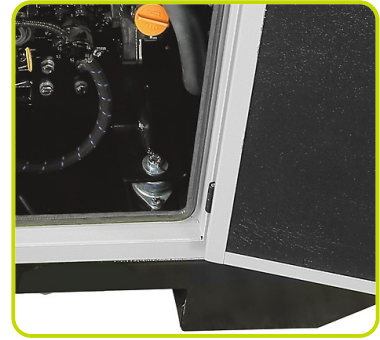
Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 7 m	dB(A)	67



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 refiling point external for simple and rapid refueling operations (cap with key available as an accessory)



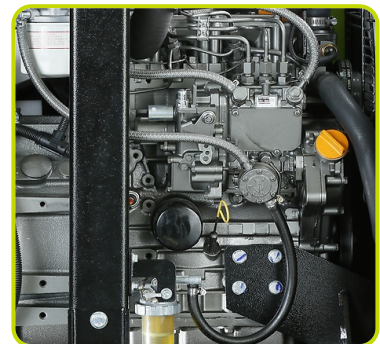
EASY AND FAST MAINTENACE SERVICE:

- 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, complete with digital control unit or monitoring, control and protection of the generating set.

CONTROL SECTION

- CONTROL UNIT with Key 3 positions: OFF, ON local start, REM remote start.
- 2-wire remote start/stop (REM)
- CONNector for RSS / AMF panel (accessories available).
- Horn Alarm

CONTROL UNIT

- Display: LCD with icons (52x35mm)
- Genset parameters: V- Hz – RPM – A (1Phase) – kVA – kWe – Fuel level (%)
- Parameters control and/or firmware transferring through NFC smart connect

PROTECTIONS

- Circuit breaker.
- Genset Protection: Over load – current – voltage, High Coolant temperature, Low Oil pressure – Low fuel level.
- Emergency push button.



SOCKET TYPE

SCHUKO 230V 16A IP68	1
2P+T CEE 230V 16A IP67	1
3P+N+T CEE 400V 16A IP67	1
3P+N+T CEE 400V 32A IP67	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.



ACCESSORIES CONTROL PANEL

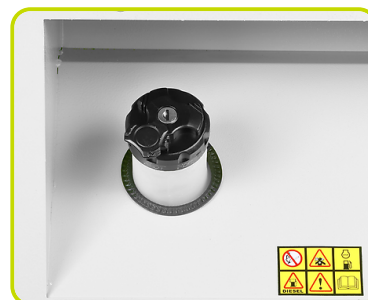
RSS - REMOTE START / STOP

RSS Remote start/stop wireless

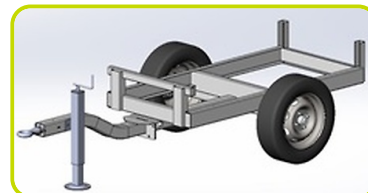


ACCESSORIES

FCK - Fuel cap with key



STR - Site Trailer



The information is aligned with the Data file at the time of download.
Printed on 07/10/2025 (ID 13478)

©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