P18000 400V 50HZ #AVR #MRS



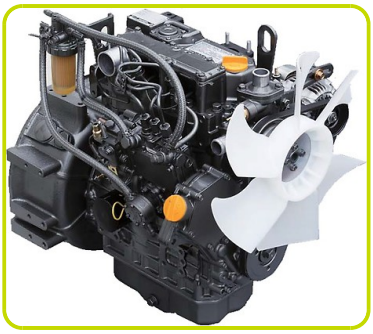
Main Features		
Frequency	Hz	50
Voltage	V	400/230
Power factor	cos ϕ	0.8
Phase		3

Power Rating		
Emergency Standby Power ESP	kVA	18.49
Emergency Standby Power ESP	kW	14.79
Continuous power COP	kVA	16.19
Continuous power COP	kW	12.95

Ratings definition (According to standard ISO8528 1:2005)

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Engine specifications		
Engine Brand		Yanmar
Model		3TNV80-FPGE
[50Hz] Exhaust emission level		Stage V
Engine cooling system		Water
Displacement	cm³	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		
Type		Brushes
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage tolerance	%	1.5
Voltage regulation system		AVR
Standard AVR		AVR 960D



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



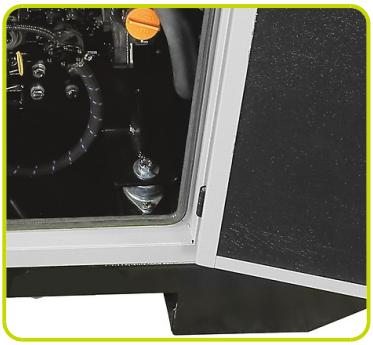
Noise level		
Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 7 m	dB(A)	67



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Genset equipment

STEEL SUPPORTING FRAME:
• Sturdy Supporting Frame for moto-alternator and canopy.
• Anti-vibration mounting properly sized.



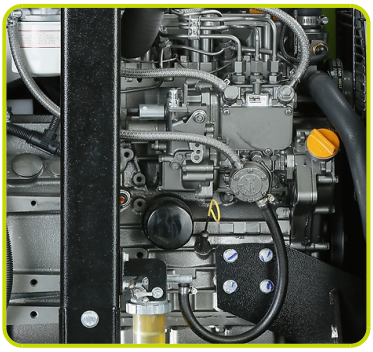
FULLY BUNDED BASEFRAME:
• Base forcable by forklift.
• Welder base with drainage point
• Big fuel integrated tank for an increased autonomy.
• Fuel level sensor.
• Fuel refiling point external for simple and rapid refueling operations (cap with key available as an accessory)



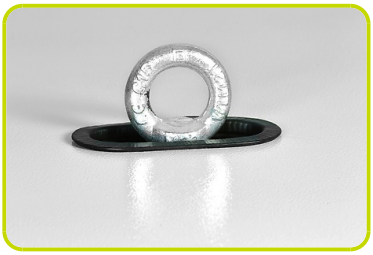
EASY AND FAST MAINTENACE SERVICE:
• Designed to access all components by opening the roof (opening and closing with safety key).
• Side door for engine service and maintenance (opening with locking system from inside the compartment)
• Oil draining pipe with cap.



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

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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

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SUPPLEMENTS CONTROL (Available when ordered)

PHS– Coolant pre-heating system



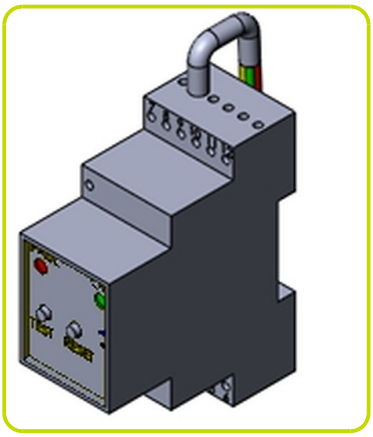
The coolant preheating system allow to mainain the engine at a temperature that ensures a quick start when required. Immersion heater 400W.

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).

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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
- Acustic 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

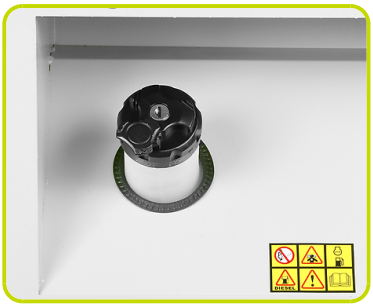


RSS Remote start/stop wireless with CONNector (max Distance 90m)

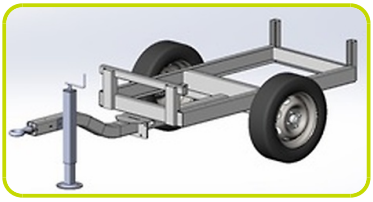
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ACCESSORIES

FCK - Fuel cap with key



STR - Site Trailer



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The information is aligned with the Data file at the time of download. Printed on 10/04/2024 (ID 13565)

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