P18000 400V 50HZ #CONN #AVR

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	400/231
Power factor	cos ϕ	0.8
Phase		3

Power Rating		
Standby power LTP	kVA	17.94
Standby power LTP	kW	14.35
Prime power PRP	kVA	17.04
Prime power PRP	kW	13.63
Continuous power COP	kVA	16.42
Continuous power COP	kW	13.14

Ratings definition (According to standard ISO8528 1:2005)

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Engine specifications		
Engine manufacturer		Yanmar
Model		3TNV76-HPGE
[50Hz] Exhaust emission level		Unregulated
Engine cooling system		Water
Displacement	cm^3	1116
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 860

Dimensional data		
Length	(L) mm	1500
Width	(W) mm	754
Height	(H) mm	1032
Dry weight	Kg	455
Fuel tank capacity	l	51

Autonomy		
Fuel consumption @ 75% PRP	l/h	4.79
Fuel consumption @ 100% PRP	l/h	6.22
Running time @ 75% PRP	h	10.65
Running time @ 100% PRP	h	8.20

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

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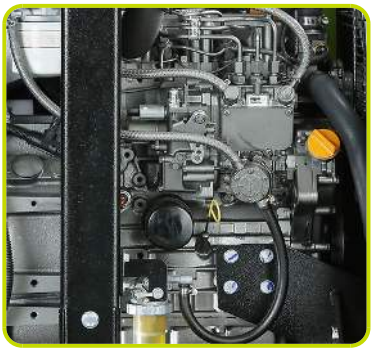
Genset equipment

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 for controller

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GENSET CONTROL PANELS (CONN)

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

Coolant preheater Engine

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ACCESSORIES CONTROL PANEL

AMF - AUTOMATIC CONTROL PANEL (CONN)

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 (CONN)

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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