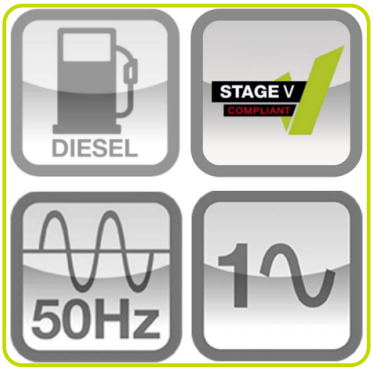
P18000 230V 50Hz #MRS



Power Rating		
Maximum power MAX	kVA	15.6
Maximum power MAX	kW	14.0
Continuous power COP	kVA	13.7
Continuous power COP	kW	12.3
Frequency	Hz	50
Voltage	V	230
Power factor	cos ϕ	0.9
Phase		1
Fuel		Diesel



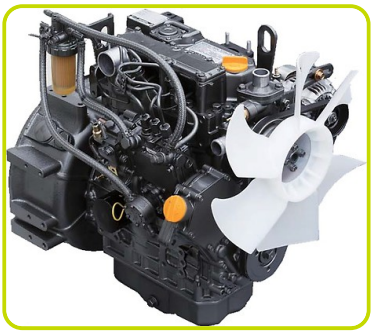


Ratings definition (ISO-8528-1)
MAX - Maximum Power:
It is defined as the power given by multiplying the current and voltage that the generating set is capable of delivering for at least 5 min. Prescribed output voltage shall be within ±10 % of the rated voltage and prescribed output frequency shall be within ±8 % of the rated frequency.
COP - Continuous Power:
It is defined as being the maximum power which the generating set is capable of delivering continuously while supplying a constant electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer.

Gensets are compliant with EC mark which includes the following directives and standards and subsequent modification and intregation:
• 2006/42/CE Machinery safety
• 2014/30/UE Electromagnetic compatibility
• 2014/35/UE electrical equipment designed for use within certain voltage limits
• 2000/14/EC Sound Power level. Noise emissions outdoor equipment. (amended by 2005/88/EC) – If applicable
• 97/68/EC Emissions of gaseous and particulate pollutants. (amended by 2016/1628 EC) – If applicable
• ISO 8528 as applicable
• 2011/65 ROHS
• EN 12100, EN 13857, EN 60204 as referred into the ISO8528-13
Company with quality certification ISO 9001

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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		
Alternator		NSM
Type		Brushless
Class		H
IP protection		23
Poles		2
Frequency	Hz	50
Voltage	V	230
Voltage regulation system		Capacitor
Voltage tolerance	%	5

Dimensional data		
Length	(L) mm	1500
Width	(W) mm	754
Height	(H) mm	1032
Weight	kg	474



Fuel Tank - Autonomy		
Fuel tank capacity	l	51
Fuel consumption @ 75% COP	l/h	4.16
Fuel consumption @ 100% COP	l/h	5.39
Running time @ 75% COP	h	12.26
Running time @ 100% COP	h	9.46



Noise level		
Guaranteed noise level (LWA)	dB(A)	96
Noise pressure level @ 1 m	dB(A)	81
Noise pressure level @ 7 m	dB(A)	67



Electrical Data		
Battery Voltage	V	12
Battery capacity	Ah	45
Battery	n	1



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Genset equipment

ENCLOSURE:
• Weatherproof enclosure made of galvanized sheet metal.
• Superior noise attenuation thanks to high quality soundproofing material.
• Highly efficient residential silencer integrated inside the canopy.
• External fuel filling point for simple and quick refueling operation.
• Lifting bridge with external ring for easy handling on site
• Roof-access to all internal components (roof opening lockable by key).
• Side door for engine maintenance, equipped with internal locking system for added security (opening from inside the compartment).



BASE FRAME AND TANK:
• Fully bunded base frame with drainage point.
• Base frame designed for easy fork handling.
• High capacity integrated fuel tank for extended run-time.
• Fuel level sensor.
• Sturdy supporting frame between engine-alternator and canopy.
• Properly sized anti-vibration mounts.



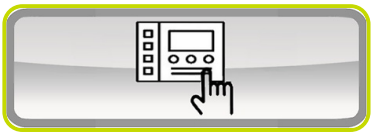
ENGINE EQUIPPED WITH:
• Battery
• Liquids (No Fuel)
• Water temperature sensor
• Lube oil pressure sensor



GENSET CONTROL PANEL

CONTROL SECTION

- Key with 3 positions: OFF, ON (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
- 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

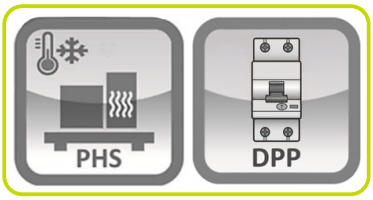
SCHUKO 230V 16A IP68	1
2P+T CEE 230V 16A IP67	1
2P+T CEE 230V 32A IP67	2



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OPTIONAL FEATURES

To be ordered with equipment (when necessary)	:
Differential Protection	DPP
Pre-Heating System	PHS



ACCESSORIES

Automatic Main Failure	AMF
Remote Start/Stop Wireless	RSS
Fuel cap with key	FCK
Site trailer	STR



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The information is aligned with the Data file at the time of download.
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