



## GENMAC Infinity-Rent G20PS-M5 GENERATOR 22,0KVA

Reference: Infinity-Rent G20PS-M5

### GENMAC Infinity-Rent G20PS-M5 THREE-PHASE GENERATOR 22,0KVA

The generator GENMAC Infinity-Rent G20PS-M5 three-phase is equipped with a Perkins diesel-powered engine capable of delivering a power of 22,0KVA with AVR voltage regulator.

The generator is equipped with an oversized Perkins engine capable of delivering a continuous power of 20.0KVA and a maximum power of 22,0KVA. Thanks to the 50l tank the Genmac Infinity generator has an autonomy of up to 13 hours of work.

The Genmac generator silenced has been realized with a high performance frame to minimize the sound pressure. The frame is made with steel plates made according to UNI S235JR standards, complete with rubber anti-vibration supports.

The 22,0KVA generator is complete with 4 doors that allow easy access for ordinary or extraordinary maintenance. In order to make this Genmac generator as quiet as possible, 100% recyclable, fireproof, self-extinguishing, fireproof, washable, class 1 reaction to fire, mechanically fixed to the frame.

The silenced generator is specific for mobile and rental applications. Easy to use and move. It mounts the latest generation engine with low emission level, for an energy that respects the environment.

#### Control panel

The control panel is composed as follows:

No. 1 CEE 32A 400V

No. 1 CEE 16A 400V

No. 2 CEE 16A 230V

No. 1 Schuko 16A 230V

Thermal switch

Magnetothermal switch

DSE4510 control panel

- Generator power reading (kW, kV Ar, kV A & pf)

- Overload Protection (kW & kV Ar)

- Low Oil Pressure Protection

- High Coolant Temperature Protection

- Low Fuel Level Protection

- Alternator Battery Charging Failure

- Overspeed Protections

- Oil Pressure and Engine Temperature Readout

Fuel Level Analog Instrument

Emergency Stop Button

Remote Start/Auto Panel Connector

On/Off Switch

## AVR Voltage Regulator

The AVR is essential to make the generator work at its best, in fact it all needs an electronic control system, an AVR in fact, which ensures the proper functioning of the machine and the electrical network behind it.

The purpose of the AVR, in a current generator, is to keep the output stable. And if its operation is very simple when resistive loads are fed, more complex is the matter in case of mainly inductive loads: the delayed phase shift current counteracts the inductor magnetic field, causing a voltage drop at the alternator terminals; to compensate for this phenomenon, the AVR intervenes automatically by increasing the excitation current, until the returns to the nominal value. If the load is capacitive, the current acts as a magnetizer for the inductor causing an increase in voltage exit, and the AVR intervenes by reducing the excitation current.

### TECHNICAL CHARACTERISTICS OF GENERATOR GENMAC Infinity-Rent G20PS-M5 22,0KVA

Phase Type: SinglePhase / ThreePhase  
 SinglePhase Continuous Power: 6.6KVA / 5.3KW  
 SinglePhase Maximum Power: 7.3KVA / 5.8KW  
 ThreePhase Continuous Power: 20.0KVA / 16.0KW  
 ThreePhase Maximum Power: 22.0KVA / 18.0KW  
 Motor: Perkins 404J-22G  
 Emissions Standard: Stage V  
 Starting: Electric  
 Power supply: Diesel  
 Receptacle panel: 1 x Schuko 16A 230V - 2 x 16A 230V - 1 x 16A 400V - 1 x 32A 400V  
 Voltage: 230 / 400 V  
 Frequency: 50 Hz  
 Engine RPM: 1500 rpm  
 Tank capacity: 50 l  
 Autonomy @ 75%: 12 h fixed rpm  
 Voltage regulator: AVR  
 Sound pressure @7m: 65 dBa  
 Length (mm): 1802  
 Width (mm): 752  
 Height (mm): 1130  
 Dry weight (Kg): 644

If you are looking for another product then you can consult other terrestrial generators in [our catalog](#).

Images and technical data are not binding.

## Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	5.8
Continuous power single phase (KW)	5.3
Maximum power single phase (KVA)	7.3
Continuous power single phase (KVA)	6.6
Maximum power three phase (KW)	
Continuous power three phase (KW)	
Maximum power three phase (KVA)	
Continuous power three phase (KVA)	
Fuel	Diesel

Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	
Engine	
Emissions Regulations	Stage 5
Engine rpm (rpm)	1500
Starting system	Electric
Cooling	Water
Poles	2
Fuel tank capacity (L)	50
Running time (h)	12
Acoustic pressure	65 dB(A) at 7 m
Length (mm)	
Width (mm)	
Height (mm)	
Dry weight (Kg)	
Silenced	Yes
Super silenced	Yes
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Perkins