

# GENMAC Infinity G20PS GENERATOR 22,0KVA



## Product description:

### GENMAC INFINITY G20PS THREE-PHASE GENERATOR 22,0KVA

The generator GENMAC Infinity G20PS 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. In order to improve the handling before use, at the base of the generator there are bilateral steel pockets for forklift trucks, which allows lifting from all sides, and on the top of the generator there is a hook for central lifting.

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 control panel of the generator is made of metal with a rear cover to protect against the weather and is provided with a dedicated area to facilitate the electrical connection to the load. All units and components are factory tested, built in prototype, and header production. A specific control procedure during the various phases production guarantees long life and reliability.

## 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 it 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 G20PS 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 404A-22G1

Starting: Electric

Power Supply: Diesel

Panel Sockets: 1 x Schuko 16A 230V - 2 x 16A 230V - 1 x 16A 400V - 1 x 32A 400V

Voltage: 230 / 400 V

Frequency: 50 Hz

Motor RPM: 1500 rpm

Tank capacity: 50 l

Autonomy @ 75%: 13 h fixed revolutions

Voltage regulator: AVR

Sound pressure @7m: 64 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.

#### Product features:

Phase: Single phase / Three phase

Maximum power single phase (KW): 5.8

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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): 18.0  
Continuous power three phase (KW): 16.0  
Maximum power three phase (KVA): 22.0  
Continuous power three phase (KVA): 20.0  
Fuel: Diesel  
Frequency (Hz): 50  
Voltage (V): 230 / 400  
Sockets configuration: 1 x Schuko 16A 230V - 2 x 16A 230V - 1 x 16A 400V - 1 x 32A 400V  
Engine: Perkins 404A-22G1  
Engine rpm (rpm): 1500  
Starting system: Electric  
Cooling: Water  
Poles: 2  
Fuel tank capacity (L): 50  
Running time (h): 13  
Acoustic pressure: 64 dB(A) at 7 m  
Length (mm): 1802  
Width (mm): 752  
Height (mm): 1130  
Dry weight (Kg): 644  
Silenced: Yes  
Super silenced: Yes  
ATS Switch device : Optional  
Voltage regulator: AVR  
Engine manufacturer: Perkins