



GENMAC Infinity G20YS-E3 GENERATOR 20,0KVA

Reference: Infinity G20YS-E3

GENMAC INFINITY G20YS-E3 THREE-PHASE GENERATOR 20,0KVA

The generator GENMAC Infinity G20YS-E3 three-phase is equipped with a Yanmar diesel-powered engine capable of delivering a power of 15,0KVA with AVR voltage regulator.

The generator is equipped with an oversized Yanmar engine capable of delivering a continuous power of 18.0KVA and a maximum power of 20,0KVA. Thanks to the 50l tank the Genmac Infinity generator has an autonomy of up to 19 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 20,0KVA 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 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 G20YS-E3 20,0KVA

Phase Type: Singlephase / Threephase
Singlephase Continuous Power: 6KVA / 4.8KW
Singlephase Maximum Power: 6.6KVA / 5.3KW

Threephase Continuous Power: 18.0KVA / 14.0KW
 Threephase Maximum Power: 20.0KVA / 16.0KW
 Motor: Yanmar 4TNV88-GMG
 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%: 14 h fixed revolutions
 Voltage regulator: AVR
 Sound pressure @7m: 67 dBa
 Length (mm): 1802
 Width (mm): 752
 Height (mm): 1130
 Dry weight (Kg): 618

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)	5.3
Continuous power single phase (KW)	4.8
Maximum power single phase (KVA)	6.6
Continuous power single phase (KVA)	6
Maximum power three phase (KW)	16.0
Continuous power three phase (KW)	14.0
Maximum power three phase (KVA)	18.0
Continuous power three phase (KVA)	20.0
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine	Yanmar 4TNV88, 4 stroke
Engine rpm (rpm)	1500
Starting system	Electric
Cooling	Water
Poles	2
Fuel tank capacity (L)	50
Running time (h)	14
Acoustic pressure	67 dB(A) at 7 m

Length (mm)	1802
Width (mm)	752
Height (mm)	1130
Dry weight (Kg)	618
Silenced	Yes
Super silenced	Yes
ATS Switch device	Optional ATS
Voltage regulator	AVR
Engine manufacturer	Yanmar
