



## 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            |

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|                     |              |
|---------------------|--------------|
| 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       |

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