

GENMAC Stone G45YS GENERATOR 46,0KVA



Reference: Stone G45YS - STAGE0

GENMAC STONE G45YS THREE-PHASE GENERATOR 46,0KVA STAGE 0

The generator GENMAC Stone G45YS three-phase is equipped with a Yanmar diesel-powered engine capable of delivering a power of 46,0KVA with AVR voltage regulator.

The generator is equipped with an oversized Yanmar engine capable of delivering a continuous power of 42,0KVA and a maximum power of 46,0KVA. Thanks to the 50l tank the Genmac Infinity generator has an autonomy of up to 6 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 46,0KVA generator is complete with 3 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 Stone G45YS 46,0KVA STAGE 0

Phase Type: Singlephase / Threephase
Singlephase Continuous Power: 13.3KVA / 10.6KW
Singlephase Maximum Power: 14.6KVA / 11.7KW

Threephase Continuous Power: 42.0KVA / 33.0KW
 Threephase Maximum Power: 46.0KVA / 37.0KW
 Motor: Yanmar 4TNV98T-GECS
 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%: 6 h fixed revolutions
 Voltage regulator: AVR
 Sound pressure @7m: 64 dBa
 Length (mm): 2000
 Width (mm): 960
 Height (mm): 1263
 Dry weight (Kg): 933
 Emissions: Stage 0

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)	12.3
Continuous power single phase (KW)	11.2
Maximum power single phase (KVA)	15.3
Continuous power single phase (KVA)	14
Maximum power three phase (KW)	37.0
Continuous power three phase (KW)	33.0
Maximum power three phase (KVA)	46.0
Continuous power three phase (KVA)	42.0
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	
Engine	Yanmar 4TNV88, 4 stroke
Emissions Regulations	
Engine rpm (rpm)	1500
Starting system	Elettrico
Cooling	Water
Poles	2
Fuel tank capacity (L)	50

Running time (h)

Acoustic pressure 64 dB(A) at 7 m

Length (mm) 2000

Width (mm) 960

Height (mm) 1263

Dry weight (Kg) 933

Silenced Yes

Super silenced Yes

ATS Switch device Optional ATS

Voltage regulator AVR

Engine manufacturer Yanmar