



GENMAC Land TR50 PTO GENERATOR 50,0KVA

Reference: Land TR50

GENMAC Land TR50 SINGLE/THREE-PHASE GENERATOR 50,0KVA

The generator GENMAC Land TR50 single/three-phase PTO is capable of delivering a power of 50,0KVA with AVR voltage regulator.

The 50,0KVA PTO shaft generator is composed of a frame on which is placed an alternator that can be connected to the tractor by a special speed multiplier on one side, while on the opposite side is equipped with an electrical panel with sockets.

The frame of the 50,0KVA PTO generator has been designed to allow it to operate in the best way without being subject to strong vibrations that can compromise its reliability, in addition it is very simple and practical connection to both the lifting system and the PTO, resulting in a handy use without too much trouble.

The Genmac PTO Generator is driven by means of a gimbal coupling thanks to the P.T.O. action. (Power Take Off) of an agricultural tractor by means of direct coupling to the cardan shaft. Everything is fixed on a sturdy metal frame to protect the alternator and allow a more comfortable use.

The GENMAC PTO shaft generator needs to be connected to a tractor capable of delivering equal to or greater than 144 Hp for correct operation.

Control panel

The control panel consists of:

- Magnetothermal switch;
- Differential Switch;
- Voltmeter;
- Ammeter;
- Frequency meter;
- Hour Meter;
- 1x schuko, 1x CEE 32A 230V, 1x CEE 63A 400V

Voltage regulator

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

The purpose of the AVR, in a 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 output terminals; to compensate for this phenomenon, it automatically

intervenes by increasing the excitation current, until the output returns to the nominal value. If the load is capacitive, the current acts as a magnetizer for the inductor causing an increase in the output, and the AVR intervenes by reducing the excitation current.

TECHNICAL CHARACTERISTICS OF GENERATOR GENMAC Land TR50 50,0KVA

Phase Type: Singlephase/Threephase
 Singlephase Continuous Power: 16.7 KVA (KW)
 Singlephase Maximum Power: 18.4 KVA (KW)
 Threephase Continuous Power: 50.0 KVA (KW)
 Threephase Maximum Power: 55. 0 KVA (KW)
 Alternator RPM: 1500 rpm
 Tractor Power: 144 Hp
 PTO Speed: 430 rpm
 Receptacle Panel: 1 x 32A 230V - 1 x 63A 400V
 Voltage: 230 / 400 V
 Frequency: 50 Hz
 Voltage regulator: AVR
 Degree of protection: IP 23
 Length (mm): 1160
 Width (mm): 833
 Height (mm): 915
 Dry weight (Kg): 298

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) | 18.4 |
| Continuous power single phase (KW) | 16.7 |
| Maximum power single phase (KVA) | 18.4 |
| Continuous power single phase (KVA) | 16.7 |
| Maximum power three phase (KW) | 55 |
| Continuous power three phase (KW) | 50 |
| Maximum power three phase (KVA) | 55 |
| Continuous power three phase (KVA) | |
| Frequency (Hz) | 50 |
| Voltage (V) | 230 / 400 |
| Engine rpm (rpm) | 1500 |
| Oil capacity (L) | 0.5 |
| Poles | 4 |
| Protection degree | IP23 |
| PTO speed (round/min) | 430 |
| Minimum tractor output (HP) | 144 |

| | |
|-------------------|------|
| Length (mm) | 1160 |
| Width (mm) | |
| Height (mm) | 915 |
| Dry weight (Kg) | 298 |
| Voltage regulator | AVR |
