



GENERATOR PTO SINGLE PHASE / THREE PHASE 55KVA

Reference: CARDANO-55-KVA

GENERATOR PTO SINGLE PHASE / THREE PHASE 55KVA

Generator PTO Single-phase / three-phase, equipped with a LINZ PRO18LG/4 alternator capable of delivering a power of 55KVA, complete with **AVR voltage regulator**.

The PTO generator is very reliable as it has been built and designed using high quality materials. The PTO generator is easy to transport, install and position thanks to its compact size, this model is ideal to be mounted on a tractor unit.

For correct operation, the generator needs to be connected to a tractor capable of delivering a mechanical power of at least 100 HP and a PTO speed of at least 430 rpm. The minimum parameters indicated are necessary for the correct functioning of the PTO generator, if they are not respected it is possible to cause malfunctions in the equipment.

The AVR is indispensable to make the generator work at its best, in fact it needs an electronic control system, an AVR, which guarantees the good working of the machine and of the electric network underlying 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 prevalently inductive loads: the delayed current opposes the inductor magnetic field, causing a voltage drop at the alternator output terminals; to compensate the phenomenon, the AVR intervenes automatically increasing the excitation current, until the output returns to the nominal value.

The generator is equipped with an electrical panel complete with:

- Magnetothermic switch
- Differential
- Socket 63 A 400 V
- Socket 16 A 230 V
- Digital module E31 complete with: Voltmeter, Frequency meter and Hour counter

TECHNICAL FEATURES

Phase type: Single-phase / Three-phase
Maximum threephase power: 55KVA / 44KW
Continuous threephase power: 50 KVA / 40KW
Maximum singlephase power: 39KVA / 31.2KW
Continuous power singlephase: 30KVA / 24KW
Voltage: 230 - 400 V
Frequency: 50 Hz
Engine revolutions: 1500 rpm
Necessary tractor power: 100 hp
Socket revolutions force: 430 rpm

Alternator: LINZ PRO18LG / 4
 N° of poles: 4
 Insulation class: H
 Protection class: IP 23
 Voltage regulator: AVR
 Length: 1140 mm
 Width: 750 mm
 Height: 1065 mm
 Weight: 395 Kg

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Images and technical data are not binding and may be subject to revisions by the manufacturer.

Technical Sheet

Phase	Single phase / Three phase
Maximum power single phase (KW)	31.2
Continuous power single phase (KW)	24
Maximum power single phase (KVA)	39
Continuous power single phase (KVA)	30
Maximum power three phase (KW)	44
Continuous power three phase (KW)	40
Maximum power three phase (KVA)	55
Continuous power three phase (KVA)	50
Frequency (Hz)	50
Voltage (V)	230 / 400
Engine rpm (rpm)	1500
Alternator	LINZ PRO18LG/4
Poles	4
Protection degree	IP23
PTO speed (round/min)	440
Required tractor power	100 Hp
Length (mm)	1140
Width (mm)	750
Height (mm)	1065
Dry weight (Kg)	395
Silenced	No
Super silenced	No

Voltage regulator

AVR