



## SINGLE PHASE / THREE PHASE PTO GENERATOR 42 KVA AVR

Reference: 42PTOGEN

### CGM 42TRL SINGLE PHASE / THREE PHASE PTO GENERATOR 42 KVA AVR

Generator three-phase 42 KVA with 1500 rpm tractor coupling. This PTO generator has a voltage of 400 V and a frequency of 50 Hz.

The 42 KVA PTO shaft generator alternator has an **AVR** voltage regulator. The AVR regulator allows you to stabilize the voltage and prevent damage to connected sensitive devices. Cardan Generator is very reliable as it is built and designed using the best quality materials.

PTO generator easy to transport, install and position due to its compact size, this model is ideal for mounting on a tractor unit. The PTO shaft generator has a tractor power requirement of 80 HP and a PTO speed of 430 rpm.

These compact, rugged and easy-to-use generator sets come complete with a 3-point hitch base for secure attachment to any tractor.

Power transmission is via the universal joint (not included), which is connected to the generator set's overdrive.

The tractor-mounted gensets are designed primarily for farms, ranches and alpine pastures, but are easily adaptable to any emergency situation.

The voltage regulator, applied to synchronous current generators, has as its objective the maintenance of a constant operation of the machine, in its regime of greater efficiency. Generally, this means maintaining the power factor at values close to 1, but if the synchronous machine is also used to power factor other consumers present in the same settlement, these values may vary.

If the current generator has an excitation current value lower than the nominal value, the AVR absorbs the current later than the voltage; if the value is higher, the AVR absorbs the current earlier. This is the main purpose of the instrument in question.

#### Technical characteristics:

Phase type: Single/Three-phase  
Continuous power: 42 KVA / 33.6 KW  
Emergency power: 46.2 KVA / 37 KW  
Voltage: 230 / 400 V  
Frequency: 50 Hz  
Engine revs: 1500 rpm  
Tractor power required: 80 hp  
PTO rpm: 430 rpm  
Multiplier ratio: 1:3.5  
Oil capacity multiplier: 0.5 Lt  
Alternator: Linz, self-excited, brushless  
Voltage Regulator: AVR

Length: 1150 mm  
Width: 950 mm  
Height: 1250 mm  
Weight: 320 Kg

**Sockets:**

- N.1 socket CEE 63A 5P 400V and N.1 CEE 16A 3P 230V
- Circuit breaker and differential

If you are looking for a gimbal generator like this three-phase tractor unit then we recommend you browse our catalog of [gimbal generators](#) to find the one that best meets your needs.

Images and technical data are not binding.

**Technical Sheet**

Phase	Single phase / Three phase
Maximum power three phase (KW)	37
Continuous power three phase (KW)	33.6
Maximum power three phase (KVA)	46.2
Continuous power three phase (KVA)	42
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	
Engine rpm (rpm)	1500
Oil capacity (L)	0.5
Alternator	Brushless
Poles	4
Protection degree	IP21
PTO speed (round/min)	430
Required tractor power	80 Hp
Transmission ratio	1 : 3.5
Length (mm)	1150
Width (mm)	950
Height (mm)	1250
Dry weight (Kg)	320
Silenced	No
Super silenced	No
Voltage regulator	AVR