



## CGM 500SDETL - THREEPHASE MOTORWELDER

Reference: CGM 500SDETL /

### CGM 500SDETL THREEPHASE MOTORWELDING 16KVA

CGM 500SDETL is a single/threephase motorwelder equipped with an FPT F32 AM1A engine with Diesel power supply, able to deliver a power of 16KVA.

CGM 500SDETL is equipped with a practical electric starting system that allows a practical and fast use. The motorwelder is mounted on a fixed base and operates at 1500 rpm, suitable for welding on either 400V threephase or 230V singlephase.

CGM 500SDETL can operate simultaneously as a welder and as a three-phase and singlephase generator set. Suitable for a wide range of applications, including metal structure construction, pipeline construction and construction site use.

The CGM 500SDETL motorwelder features a rugged frame, which not only protects the machine from impact, but also reduces noise emission making it super quiet, with a sound emission of 77 dB perceived at 7 m

#### TECHNICAL FEATURES CGM 500SDETL

Phase type : Threephase  
Maximum threephase output: 12.8 KW / 16 KVA  
Maximum singlephase output: 5.2 KW / 6.5 KVA  
Engine: FPT F32 AM1A  
Fuel: Diesel  
Cylinders : 4  
Displacement : 3200 cm<sup>3</sup>  
Max Engine output: 39 HP  
Max Welding Current : 500-390 A at 35%/60%  
Tank : 50 Lt  
Sockets : 1 CEE 3-pole 230V socket, 1 CEE 5-pole 400V socket  
Power supply : Electric with battery  
Acoustic Power : 77 dB(A) at 7 m  
Voltage : 230 V / 400 V  
Frequency : 50 Hz  
Power factor : 0.8  
Welding current : 35-500 A  
Cooling : Water  
Number of turns : 1500 rpm  
Autonomy : 8.3 h  
Consumption at 3/4 load : 6 L/h  
Oil capacity : 8.8 Lt  
Alternator : LINZ, Brushless  
Number of Poles : 4

Number of Phases : 3  
 Welding voltage : 20 - 40 V  
 Power consumption : 35.4 hp / 26 KW  
 Voltage regulation : AVR  
 Width : 1500 mm  
 Length : 900 mm  
 Height : 1500 mm  
 Weight : 700 Kg

Are you looking for a motorwelder with different characteristics? [Here](#) you can find the entire range of CGM or other brands specializing in the field

Please note that the image is purely for demonstration purposes.

## Technical Sheet

Phase	Three phase
Maximum power single phase (KW)	5.2
Maximum power single phase (KVA)	6.5
Maximum power three phase (KW)	12.8
Maximum power three phase (KVA)	16
Fuel	Diesel
Frequency (Hz)	50
Voltage (V)	230 / 400
Sockets configuration	1 x 230 V 3P CEE + 1 x 400 V 5P CEE
Engine	FPT F32 AM1A
Engine rpm (rpm)	1500
Starting system	Electric
Engine capacity (cm <sup>3</sup> )	594
Number cylinders	4
Oil capacity (L)	8.5
Cooling	Water
Alternator	Linz, brushless
Poles	4
Welding current (A)	220-170 A al 35%/60%
Welding voltage min/max (V)	21 - 32
Fuel tank capacity (L)	50
Consumption (L/h)	6 at 75% of the load
Running time (h)	15.1
Acoustic pressure	77 dB(A) at 7 m
Length (mm)	900

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Width (mm)	1500
Height (mm)	1500
Dry weight (Kg)	700
AVR	Yes
Silenced	No
Super silenced	No

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