



## MOSA CS 230 YSX CC / CV Multiprocess Welding Machine Stage 5 Engine

Reference:

### MOSA CS 230 YSX CC/CV Multiprocess Engine-Powered Welder, Stage 5 Engine

The MOSA CS 230 YSX CC/CV Multiprocess Engine-Powered Welder, Stage 5 Engine is a compact and reliable machine designed for professional welding and power generation applications. Equipped with a Yanmar L100 V Stage 5 diesel engine, it guarantees high performance with low emissions and reduced consumption.

The MOSA CS 230 YSX CC/CV Multiprocess Engine-Powered Welder offers a maximum power of 6 kVA three-phase and 5 kVA single-phase, with a frequency of 50 Hz and a voltage of 230/400 V, ensuring maximum versatility of use. The self-excited and self-regulated brushless three-phase asynchronous alternator allows for stable and reliable energy production.

Equipped with an adjustable welding current from 20 to 210 A, the MOSA CS 230 YSX CC/CV allows for operation in the main welding processes in direct and constant current (CC/CV). The 68 V ignition voltage ensures a stable arc, ideal for high-quality welding results.

The 23-liter tank offers excellent autonomy of approximately 20 hours with a consumption of only 1.2 liters/hour at 75% load. The low noise level – 66.2 dB(A) at 7 meters – together with the silenced and super silenced structure, allows use even in contexts where low noise impact is required.

With a dry weight of 230 kg and compact dimensions (1040x650x911 mm), the MOSA CS 230 YSX CC/CV Multiprocess Welder Stage 5 Engine is the ideal choice for professionals who need an efficient, powerful machine that complies with the latest emissions regulations (Stage 5).

Technical Features:

Phase type: Single-phase / Three-phase

Maximum single-phase power (KVA): 5

Maximum three-phase power (KVA): 6

Fuel: Diesel

Frequency (Hz): 50

Voltage (V): 230 / 400

Socket configuration: 1x400V 16A 3P+N+T CEE + 1x230V 16A 2P+T CEE + 1x230V 16A 2P+T SCHUKO

Engine: Yanmar L100 V (Stage 5)

Engine speed (rpm): 3000

Starting: Electric

Displacement (cm<sup>3</sup>): 435

Number of cylinders: 1

Cooling: Air

Injection: Direct

Alternator: Asynchronous three-phase, self-excited, self-regulated, brushless

Welding current (A): 210 at 60% - 180 at 100%

Ignition voltage (V): 68  
 Fuel tank capacity (L): 23  
 Consumption (L/h): 1.2 at 75% load  
 Autonomy (h): 20  
 Acoustic power: 91.2 dB(A)  
 Acoustic pressure: 66.2 dB(A) @ 7 m  
 Length (mm): 1040  
 Width (mm): 650  
 Height (mm): 911  
 Dry weight (Kg): 230  
 Silenced: Yes  
 Super silenced: Yes  
 Current regulation (A): 20 - 210  
 Welding current type: CC / CV  
 Engine brand: Yanmar  
 Emissions standard: Stage 5

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## Technical Sheet

|                                    |   |
|------------------------------------|---|
| Phase                              | Single phase / Three phase  |
| Maximum power single phase (KVA)   | 5   |
| Maximum power three phase (KVA)    | 6   |
| Fuel                               | Diesel  |
| Frequency (Hz)                     | 50  |
| Voltage (V)                        | 230 / 400   |
| Sockets configuration              |   |
| Engine                             |   |
| Emissions Regulations              | Stage 5   |
| Engine rpm (rpm)                   | 3000  |
| Starting system                    | Elettrico   |
| Engine capacity (cm <sup>3</sup> ) | 435   |
| Number cylinders                   | 1   |
| Cooling                            | Air   |
| Inyección                          | Direct  |
| Alternator                         | Asynchronous three-phase, self-excited, self-regulated, brushless |
| Regulation current (A)             | 20 - 210  |
| Welding current (A)                | 210 at 60% - 180 at 100%  |
| Open circuit voltage (V)           | 68  |
| Type of welding current            | CC / CV   |
| Fuel tank capacity (L)             | 23  |

|                     |                       |
|---------------------|-----------------------|
| Consumption (L/h)   | 1.2 al 75% del carico |
| Running time (h)    | 20                    |
| Acoustic power      | 91.2 dB(A)            |
| Acoustic pressure   | (66.2 dB(A) @ 7 m)    |
| Length (mm)         | 1040                  |
| Width (mm)          | 650                   |
| Height (mm)         | 911                   |
| Dry weight (Kg)     | 230                   |
| Silenced            | Yes                   |
| Super silenced      | Yes                   |
| Engine manufacturer | Yanmar                |