

## Gala Arc 800 A

INDUSTRIAL EQUIPMENT FOR AIR ARC AND HIGH CAPACITY WELDING MIG / MAG

Ref.: 43482000

Code: FT43482000V3

Date: 16-04-2024

**Description:**

Two high capacity industrial processes with a single power unit :

1- Air-cutting process via carbon electrode up to 10-13 mm.

(800 A), which permits cleaning and weld gouging, and also perforating metals.

2- Semiautomatic welding process MIG / MAG..

**Use:**

High performance industrial use.

**Alimentación eléctrica:**

3Ph. 230/400V –50/60Hz

**Main advantages:**

- Electromechanical robustness. Guaranteed reliability..
- Cut-air with carbon electrode to 10-13 mm. (800 A)
- Up to Ø1.6 mm solid wire welding.
- Cooling system preinstallation.
- 40 welding voltage adjustment positions,.
- Three reactance taps.
- Alta capacidad de trabajo (550 A/60 % - 800 A/30%)
- High working capacity (550 A/60% - 800 A/30%).
- IP 23 S mechanical protection.



## Technical characteristics

Input voltage U1 (3Ph. 50-60hz)(1)	230/400 V (1)	
Effective maximum intensity I1eff	59 A / 34 A	
Maximum absorbed power	31/24 KVA (Cos Phi=.095)	
Open-circuit voltage U2min- U2max	17 V + 52 V	
Welding intensity I2	ED=100%	425 A / 100%
	ED=60%	550 A / 60 %
	ED=30%	800 A – 30 %
Maximum intensity Arc air	800 A / 30%	
Carbon electrode	4 + 8 mm	
Continuous adjustment margin I2min-I2max	40 A + 550 A	
Staggered voltage control	4 X 10	
Number of MIG reactance taps	3	
Cooling system pre-installation	SI	
Transport system	By default	
Parameter measuring system	V-I Digital	
Welding connectors	590A/60%;95 -120mm2	
Mechanical protection degree (IP class)	IP 23 S	
Vedtilation	Forced	
Weight	226 Kg	
1) other voltages on request.. According to UNE-EN 60974		

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## ACCESSORIES FOR ARC-AIR

		Ref	Description
<b>ARC-AIR CLAMP</b>		47209	Flair clamp 1600 A (without cable)
		47210	Rotational cable 1600 A
		4729	Arc-air clamp 600 A (without cable)
		4705	Rotational cable clamp 600 A
<b>CARBON ELECTRODE</b>		49004105	Carbon electrode 6 mm
		49004103	Carbon electrode 8 mm
		49004104	Carbon electrode 10 mm

### INSTALLATION GALA ARC 800 semiautomatic welding process MIG / MAG (without cooling system)

Power supply source Gala arc 800 A	Bottle support		Extension cables	Wire feed unit D-22C	Torch
Ref: 434.82.000	INCLUDED IN POWER SUPPLY SOURCE		Ref: 638.94.000 (12 m; S=95 mm <sup>2</sup> )	Ref: 629.00.000	550 A / 60%

### INSTALLATION GALA ARC 800 semiautomatic welding process MIG / MAG (with cooling system)

Power supply source Gala Arc 800 A	Soporte botellas	Cooling module	Extension cables	Wire feed unit D-22C	Torch
Ref: 434.82.000	INCLUDED IN POWER SUPPLY SOURCE	Ref: 434.12.059	Ref: 639.87.000 (5 m; S=95 mm <sup>2</sup> ) Ref: 639.89.000 (10 m; S=95 mm <sup>2</sup> )	Ref: 629.00.000	MIG 511 cooled Ref: 885114M MX 501 cooled Ref: 25100004

			CIF A- 50 / 0453 19 50.01 4 ZARAGOZA - SPAIN	<b>Gala Arc</b>
		TYP: GALA ARC 800 A REF: 434.82.000		
		UNE-EN 60974-1		
		43 A / 16.1 V - 550A / 41.5 V		
			X %	60% 100%
		<b>S</b>	U <sub>0</sub> I <sub>2</sub>	550 A 425 A
			17-52 V U <sub>2</sub>	41.5 V 35.2 V
		Cos phi = 0.95 (550A)		
			U <sub>1</sub> 230V	I <sub>1max</sub> =76 A I <sub>1ref</sub> =59 A
			400V	I <sub>1max</sub> =44 A I <sub>1ref</sub> =34 A
		3 ~ 50/60 Hz		
		IP 23 S		