

Gala Mig 3500 i

Multi-process inverter welding equipment. Synergic regulation.

Ref.: 42500100

Code: FT42500100_v0

Date: 08/05/2024



Description:

Power source for multiprocess synergic regulation inverter welding. Compact machine with integrated wire feeder in power source.

Use:

Professional use. MIG/MAG welding with standard arc of normal, stainless, and aluminum steels. Recommended for work with wires up to 1.2 mm. Shielded metal arc welding (SMAW) mode.

Power supply:

3Ph. 400V -50/60Hz

Main advantages:

- Compact system. Heavy Duty: 350 A /60% - 270 A /100%
- MIG-MAG welding of solid wires Ø 0.8-1.0-1.2 mm.
- MIG-MAG welding of tubular wires.
- Polarity change.
- SMAW welding. VRD function.
- Synergic power regulation. Ease of use.
- Digital display for regulation and parameter reading.
- Drive motor with 4-wheel gear system.

Basic technical characteristics

Supply voltage (U ₁)	3Ph 400 V ± 10% - 50/60 Hz
Effective input current (I _{1eff}) / maximum (I _{1max})	17 / 22 A
Effective apparent power (S _{1eff}) / maximum (S _{1max})	11,8 / 15,2 kVA
Power Supply Technology	Inverter IGBT
Efficiency	87%
Continuous regulation range U ₂ MIG/MAG	10 ÷ 40 V
Continuous regulation range I ₂ MMA	30 ÷ 350 A
Maximum wire speed v _h	24 m/min
No-load voltage U ₀	81 V
Reduced no-load voltage U _R (MMA)	12 V
Duty cycle 40°C MIG/MAG	350 A / 60%
	300 A / 100%
Duty cycle 40°C MMA	350 A / 60%
	270 A / 100%
Wire feed system	4 Ruletas
Ø applicable wire diameter	0,8 ÷ 1,0 ÷ 1,2 mm
Wire spools	15 kg. Diam. 200/300 mm
Dimensions (width x height x length)	550 x 770 x 920 mm
Type of welding connector	Hembra Dinse 35-50 mm ²
Mechanical Protection Index (IP)	IP 21
Weight	54 kg

ACCORDING TO UNE-EN 60974-1 STANDARDS

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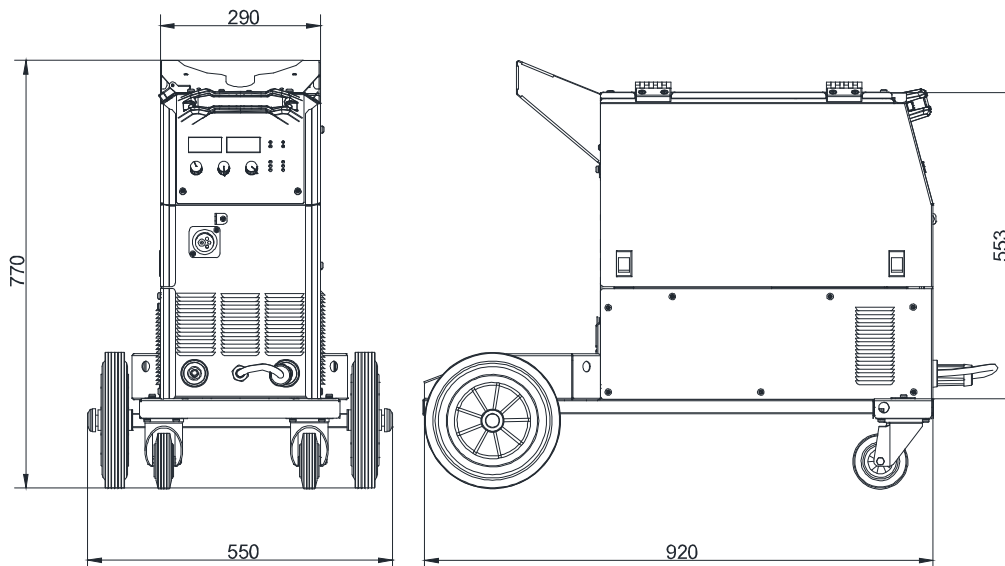
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WELDING

Standard integrated accessory elements	
Reference	Description
302007	Shielding gas hose Diam 6 mm; Length 1.5 mt
43812219	Ground cable 1x35 mm ² - 4 mt
42416121	2 Rollers 0.8-1.0 mm "V"
42416122	2 Rollers 1.0-1.2 mm "V"
Recommended accessories	
Reference	Description
42416127	Rollers 1.0-1.2 mm "U"
42416128	Rollers 1.0-1.2 mm "Estriada"

General Dimensions



Nameplate

	GALAGAR S.L. CIF B- 50/045285 50.014 ZARAGOZA SPAIN			
	TYP: GALA MIG 3500i REF: 425.00.100			
		UNE-EN 60974-1		
	30 A/ 15,5 V - 350 A /31,5V			
		$U_o = 81\text{ V}$	X	60% 100%
			I_2	350A 300A
		U_2	31,5V 29,0V	
	$U_1\ 400\text{ V}$	$I_{1\text{max}} = 21\text{ A}$		
		$I_{1\text{eff}} = 17\text{ A}$		
	30 A/ 21,2 V - 350 A /34,0 V			
		$U_o = 81\text{ V}$	X	60% 100%
I_2			350A 270A	
		U_2	34,0V 30,8V	
	$U_1\ 400\text{ V}$	$I_{1\text{max}} = 22\text{ A}$		
		$I_{1\text{eff}} = 17\text{ A}$		

Synergic Digital Control



Function or characteristic	COMMAND
Standard MIG-MAG process. Manual regulation	Button A
Standard MIG-MAG process. Synergic regulation	Button A
MAG Fe CO2 synergistic programs	Button B
Synergistic programs MAG Fe Galvanized	Button B
Synergistic MAG Fe Ar-CO2 programs	Button B
Wire diameter selection	Button C (0.8 – 1.0 - 1.2 mm)
Regulation I2 (A) of MIG-MAG welding Int.	Command E
MIG-MAG I2(A) reading set	Display H
U2 (V) regulation MIG-MAG manual mode	Command F
U2 (V) correction MIG-MAG synergic mode	Command F
Consigned U2(V) reading	Display I
Electronic control/correction of welding dynamics	Command G
2T-4T cycle control	Command D
Polarity change system	Via front cable
Digital voltmeter-ammeter	Displays (H-I)
MMA Welding Process	Button B
Regulation I2 (A) of MMA Welding Int.	Command E
I2(A) reading consigned MMA	Display H