

Stepless, synergic MIG/MAG welding machine

CRAFT-MIG.PRO 503 WS Synergic

Robust industrial series - made for heavy-duty use



Article number

1361165

Brand

Craftweld

☒ Ordering: from 1 units



Description

- High duty cycle of 60% at maximum power ensures longer welding times without overheating, ideal for large projects
- State-of-the-art inverter technology in modular design ensures maximum reliability combined with maximum efficiency
- Synergy curves for steel, stainless steel and aluminum - 3 steps to the perfect result
- Adjustable choke enables precise adjustment of the arc characteristics
- LCD display for simple and precise setting of welding parameters
- Sophisticated cooling system with encapsulated air duct for efficient heat dissipation ensures stable welding performance even in the toughest applications
- Suitable for use on the generator
- Note: Machine is supplied without accessories

Delivery content

- Gas hose 4 m
- Cooling unit
- trolley
- Wire feed case
- Zwipa 5 m

Technical data

Dimensions and weights

Length (product) approx.	740 mm
Width/depth (product) approx.	280 mm
Height (product) approx.	500 mm
Net weight approx.	101 kg

Duty cycle

Duty cycle at I _{max} . 40°C	60 %
Current at 60% DC 40°C	500 A
Current at 100% DC 40°C	410 A

Device data

Operating temperature	-10 – 40 °C
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Setting range

Setting range TIG DC	10 – 500 A
Setting range electrode	10 – 500 A
Setting range MIG soldering	30 – 500 A

Electrical Data

Supply voltage	400 V
Phase(s)	3 Ph
Current type	AC
Mains frequency	50/60 Hz

Standards and certifications

Degree of protection	IP 23S
Insulation class	F
EMC class	A
Marking	CE

Wire feed

weldable wires steel from to	0.8 – 1.6 mm
weldable wires stainless steel from to	0.8 – 1.6 mm
weldable wires aluminium from to	1.0 – 1.6 mm
weldable wires CuSi	1.0 mm
weldable wires flux core wire from to	0.9 – 1.6 mm
Wire feet unit	4 Rollers
Wire feed speed from to	1.5 – 24 m/min

Electrical connections

Required generator output	22 kVA
Open circuit voltage	97 V
Input current	37.5 kVA
Power consumption in idle mode	29 W

Feed rollers

Feed rollers diameter	1.0 / 1.2 mm
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Product information EU 2023/2854

Type of the generated data	Usage data
Format of the generated data	Common, machine-readable formats such as JSON
Amount of data	Up to 5 MB
Continuous data generation in real time	Yes

Input

Power consumption MIG/MAG	21.7 kVA
Power consumption electrode	22.2 kVA
Power consumption TIG DC	17 kVA
Power factor	0.861 cos phi
Efficiency	90.31 %

Cooling

Capacity water reservoir	7 l
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Manufacturer infos

Manufacturer	Stürmer Maschinen GmbH
Address	Dr.-Robert-Pfleger-Str. 26, 96103 Hallstadt, Germany
E-Mail	info@stuermer-maschinen.de

Media informations



Equipment

Equipment

Process MIG/MAG	✓
Process MMA	✓
2-stroke/4-stroke switching	2T/4T
Spot welding	Spot
Adjustable choke	0 – 10
Operating display	LCD
Overload indicator	✓

Shipping informations

Packaging Metrics		Weights		Delivery		Other	
Length	n/a	Net	104,5 kg	Delivery	Carrier	DualUse	Nein
Width	n/a	Gross	115 kg	Content	1 undefined	SCIP	
Height	n/a					SVHC	Nein

Manufacturer

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info@stuermer-maschinen.de

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