

Infinitely variable, synergic MIG/MAG pulse welder

CRAFT-MIG.PRO 503 Pulse WS

Robust industrial series - made for heavy-duty use



Article number

1362050

Brand

Craftweld

☒ Ordering: from 1 units



Description

- Ultrarobust inverter in state-of-the-art IGBT module design ensures maximum power stability and duty cycle
- Extremely simple operation via high-resolution color display with graphic illustration of the welding curve and setting options
- Synergy characteristic curves: 3-steps to the finished welding result
- Adjustable arc characteristics in synergy and pulse mode
- Professional features such as 4T+ and adjustable double pulse
- Robust trolley with lowered cylinder trolley enables convenient and safe replacement of gas cylinders
- 5 m intermediate hose package included in the scope of delivery

Delivery content

- Gas hose 4 m

- Cooling unit
- trolley
- Wire feed case
- Zwipa 5 m

Technical data

Dimensions and weights

Length (product) approx.	710 mm
Width/depth (product) approx.	260 mm
Height (product) approx.	500 mm
Net weight approx.	101,5 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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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

Setting range

Setting range TIG DC	10 – 500 A
Setting range electrode	10 – 500 A
Setting range MIG soldering	20 – 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

Input

Power consumption MIG/MAG	21.5 kVA
Power consumption electrode	22.5 kVA
Power consumption TIG DC	16.9 kVA
Power factor	0.764 cos phi
Efficiency	91.27 %

Electrical connections

Required generator output	22 kVA
Open circuit voltage	93 / 93 / 95 V
Explanation Open circuit voltage	MMA / TIG / MIG
Input current	41.5 kVA
Power consumption in idle mode	37 W

Manufacturer infos

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

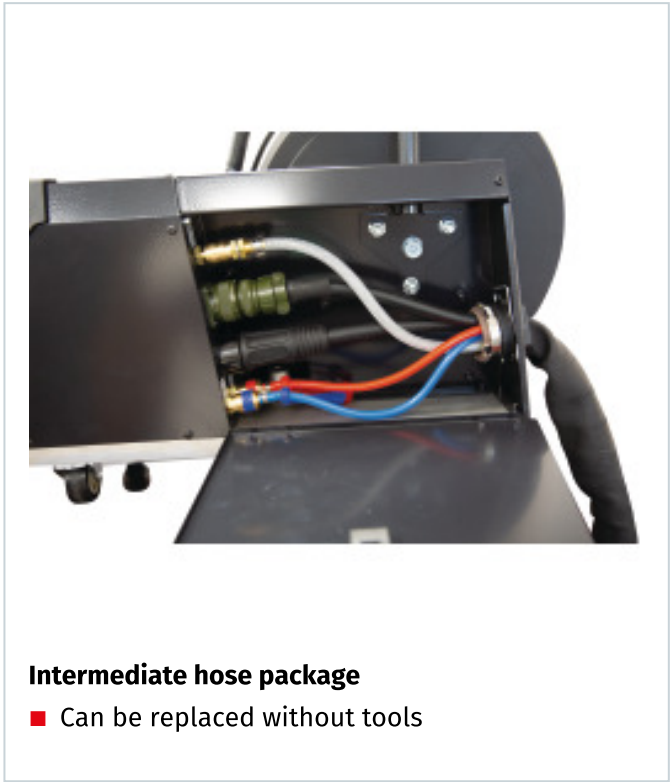
Feed rollers

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 genera- tion in real time	Yes

Media informations



Intermediate hose package
■ Can be replaced without tools



Wire feed

- 4 roller wire feed
- Viewing window ensures optimal view of the wire spool



Equipment

Equipment

Process MIG/MAG	✓
Process MMA	✓
2-stroke/4-stroke switching	2T/4T/4T+
Spot welding	Spot
Adjustable choke	0 -10 for syn, -10 - +10 for pulse
Operating display	LCD
Overload indicator	✓

Shipping informations

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

Manufacturer

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