

Product Detail:

Code: S00385**Model:**COMBO HI-MIG 4020

COMBO HI-MIG 4020 is a three-phase multi-process inverter power source, able to weld alternately in MIG/MAG, MMA or DC TIG ("lift" start) mode. It is very versatile and suitable for various applications, in particular for medium metal works.

It is ready for the torch cooling, together with the relevant cooling unit that is available on request as optional.

The double pulse function upgrade and a cart for the transport are also available on request as optional.

- Equipped with new graphic interface with 4.3" high-resolution color display.
- TIG welding with start by "lift" contact.
- Possibility of pulsed TIG welding.
- Suitable to weld in MMA-SMAW mode both rutile and basic electrodes.
- Equipped with EURO type connection for MIG/MAG and TIG torches.
- Possibility to activate a security password.

MAIN CHARACTERISTICS IN MIG/MAG

- Exceptionally good arc stability at low amp rating.
- Synergic control, that permits to control the welding conditions through just one variable, all the others being preset and dependent on this.
- Equipped with a 4-roller (D. 30 mm) wire feeder for an optimal wire feeding. Replacement of rollers without tools.
- Provided with a wide range of synergic curves (short and pulse) for solid wire.
- The DOUBLE PULSE function, available as an optional, facilitates the welding of thin materials without deformations or in particular conditions.
- Synergic programs for steel allow working with either mixed gasses Ar+8/18/25%CO₂ or 100% CO₂.
- Selecting the manual working mode, it's possible to modify the welding parameters freely.
- Possibility to use wire reels up to D. 300 mm, 15 kg.
- The wide display allows the operator to select and easily set the various welding modes and options. Furthermore, it gives the possibility to have always the clear indication of the current welding parameters (selected process, type and diameter of the used wire, shielding gas, voltage, current, wire speed and material thickness).
- The adjustable welding options are: Arc Length, short or pulsed (optional) welding process, 2 times / 4 times, Spot Time, Pause Time, Inductance, Burn Back, Soft Start, pre-gas, post gas, Automatic Hot Start, Automatic Crater Filler and 3 levels.



Technical Data:

Code	S00385		
Item	COMBO HI-MIG 4020		
Mode	MIG	TIG	MMA
Input Voltage	3x400V 50-60Hz		
Absorbed power	35% 11,2 kVA 60% 10,2 kVA 100% 9,5 kVA	35% 9,2 kVA 60% 8,3 kVA 100% 7,7 kVA	50% 10,4 kVA 60% 9,6 kVA 100% 9 kVA
MIN-MAX Welding current	20÷320A SHORT 20÷320A PULSE	10÷320A	10÷270A
Duty cycle – 10 MIN CYCLE ACCORDING TO EN 60974-1	35% 320A - 60% 290A - 100% 270A		50% 270A - 60% 250A - 100% 230A
Stepless regulation	ELECTRONIC		
Wire size (solid)	0,6/0,8/0,9/1,0/1,2 Fe 0,8/0,9/1,0/1,2 Al - INOX 0,8/0,9/1,0 CuSi3% 0,9 Cored Ø mm	-	-
Max. wire spool size	Ø 300 mm / 15 kg.	-	-
Electrodes	-	-	Ø 1,6-6 mm
Protection class	IP 23		
Construction standards	EN 60974 – 1 / EN 60974 - 10		
Dimensions	330x600x540h mm		
Weight	37 kg		

Accessories:



530211 Earth cable



535015 (optional) 3 m, M 36 torch



535016 (optional) 4 m, M 36 torch



535019 (optional) 3 m, MB 501D torch, ready for cooling unit



535020 (optional) 4 m, MB 501D torch, ready for cooling unit



535718 (optional) 4 m, ABITIG 26 torch with EURO type connection



S01714A.1
0 (optional) Accessories kit with 5+3,5m cables of 35 mm², Texas 50



580007 (optional) Transport cart



560102 (optional) CU56H - Horizontal 5 l cooling unit for torch

540181 (optional) MIG Double level (Double Pulse) upgrade



357502 (optional) Flowmeter with 2 gas pressure gauges



309269 (optional) Helmet with auto-dimming LCD filter (9-13 DIN) MAXIVISION COLOR to protect face and eyes during welding.



540011 *(optional)* Aluminium welding kit for Ø 0,8 - 1 wire and 3m torch.



540014 *(optional)* Aluminium welding kit for Ø 1,2 - 1,6 wire and 3m torch.



309073 *(optional)* Helmet with variable shade auto-darkening LCD filter (9-13 DIN) to protect face and eyes during cutting and welding appliances.
