HELVI®

2026

LINE

Price List

www.helvi.com

ENG

HELVI

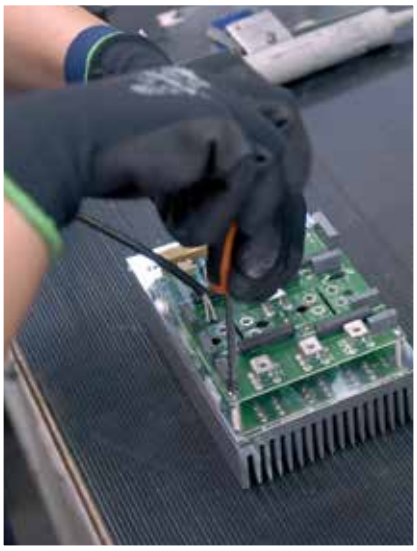
From 1975 to the present day, the story of **Helvi S.p.A.** is that of an Italian company with a strong international dimension, pursued throughout its growth, from its foundation to its entry into the **Beta Group**.

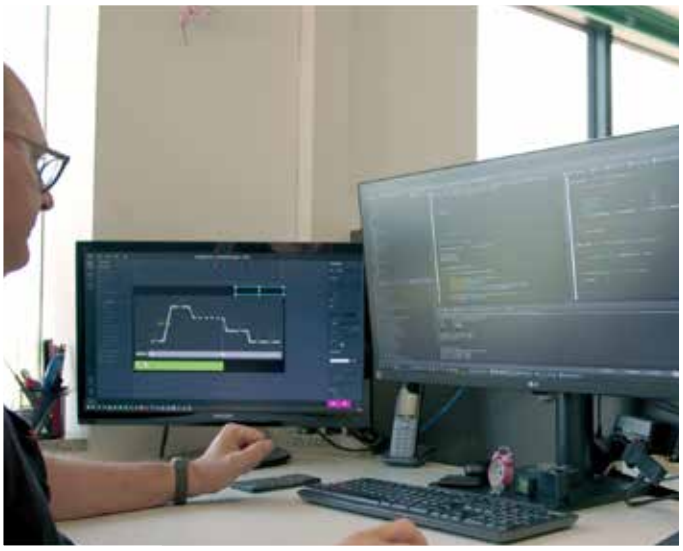
Helvi S.p.A. produces industrial welding machines, plasma cutting machines, professional battery chargers and accessories. The headquarter is in Sandrigo, in the province of Vicenza, and today employs more than 80 people, with a turnover of about 15 million euros developed more than 70 percent abroad.

In 2023 it became part of the **Beta Group**, Europe's leading manufacturer of tools and work equipment for specialists in mechanical engineering, industrial maintenance and auto repair.

Reliability is the key factor in our success: those who choose Helvi finds it in our people and in every welding machine, plasma cutting machine or professional battery charger.
Every component is chosen and tested down to the smallest details, so that they combine perfectly in products designed to guarantee the best performance according to high quality standards.

GRUPPO Beta
www.gruppo-beta.com





F&W
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MMA · TIG LIFT

MMA · TIG LIFT

SPARC 120	1ph · 120A · 230V	PAG. 8
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GALILEO 200	1ph · 200A · 230V	PAG. 11

Easy-to-use welding inverter: great welding performance with all types of commercial electrodes (rutile, basic, stainless steel). Overvoltage, over temperature and anti-sticking control are included. As they are compact and lightweight, they are ideal for home/hobby applications.

	SPARC 120	SPARC 160	SPARC 200
Input Voltage	(1ph) **230**V ± **10**% · **50/60**Hz	(1ph) **230**V ± **10**% · **50/60**Hz	(1ph) **230**V ± **10**% · **50/60**Hz
Max power	**4,0** KVA	**6,4** KVA	**6,7** KW
U_o	**60** V	**70** V	**70** V
Amp. Min-Max	**10 ÷ 120** A	**10 ÷ 160** A	**10 ÷ 200** A
Duty cycle 40°C	**120**A @ **25**% **80**A @ **60**% **60**A @ **100**%	**160**A @ **25**% **105**A @ **60**% **80**A @ **100**%	**200**A @ **25**% **130**A @ **60**% **100**A @ **100**%
Ø Electrode	**1,6 ÷ 3,25** mm	**1,6 ÷ 4,0** mm	**1,6 ÷ 4,0** mm
Electrode type	**6013 - 7018**	**6013 - 7018**	**6013 - 7018**
Insulation	**H**	**H**	**H**
Protection degree	**IP22S**	**IP22S**	**IP22S**
Dimensions (LxWxH)	**120 x 300 x 260** mm	**120 x 300 x 260** mm	**120 x 300 x 260** mm
Net weight	**3,8** Kg	**4,2** Kg	**4,4** Kg
Part number only Power source	**99806033**	**99806034**	**99806035**
Carton box dimensions	**230 x 360 x 280** mm	**230 x 360 x 280** mm	**230 x 360 x 280** mm
Net weight in carton box	**6,0** Kg	**7,0** Kg	**7,2** Kg
Carton box KIT part number	**99806021**	**99806022**	**99806023**
Case dimensions	**160x400x475** mm	**160x400x475** mm	**160x400x475** mm
Net weight in case	**7,6** Kg	**8,6** Kg	**8,8** Kg
Case KIT part number	**99806024**	**99806025**	**99806026**

HELVI KIT CONFIGURATION

SPARC 120 · CARTON BOX KIT
Power source • SPARC 120
Ground cable 10 mm² · 1,6 m · 200 A · conn. 25 mm²
Welding cable 10 mm² · 2,4 m · 300 A · conn. 25 mm²
Hammer/brush
Carton box
KIT PART NUMBER • 99806021

SPARC 160 · CARTON BOX KIT
Power source • SPARC 160
Ground cable 16 mm² · 2,0 m · 200 A · conn. 25 mm²
Welding cable 16 mm² · 3,0 m · 300 A · conn. 25 mm²
Hammer/brush
Carton box
KIT PART NUMBER • 99806022

SPARC 200 · CARTON BOX KIT
Power source • SPARC 200
Ground cable 16 mm² · 2,0 m · 200 A · conn. 25 mm²
Welding cable 16 mm² · 3,0 m · 300 A · conn. 25 mm²
Hammer/brush
Carton box
KIT PART NUMBER • 99806023

SPARC 120 · CASE KIT
Power source • SPARC 120
Ground cable 10mm² · 1,6 m · 200 A · conn. 25 mm²
Welding cable 10mm² · 2,4 m · 300 A · conn. 25 mm²
Hammer/brush
Shockproof case
KIT PART NUMBER • 99806024

SPARC 160 · CASE KIT
Power source • SPARC 160
Ground cable 16 mm² · 2,0 m · 200 A · conn. 25 mm²
Welding cable 16 mm² · 3,0 m · 300 A · conn. 25 mm²
Hammer/brush
Shockproof case
KIT PART NUMBER • 99806025

SPARC 200 · CASE KIT
Power source • SPARC 200
Ground cable 16 mm² · 2,0 m · 200 A · conn. 25 mm²
Welding cable 16 mm² · 3,0 m · 300 A · conn. 25 mm²
Hammer/brush
Shockproof case
KIT PART NUMBER • 99806026

OPTIONAL	
43210138K	Ground cable with clamp kit for **25** mm² con. • **16** mm² • **2,0** mt
43205028K	Welding cable with electrod holder **25** mm² connector • **16** mm² • **3,0** mt

OPTIONAL	
43210138K	Ground cable with clamp kit for **25** mm² con. • **16** mm² • **2,0** mt
43205028K	Welding cable with electrod holder **25** mm² connector • **16** mm² • **3,0** mt

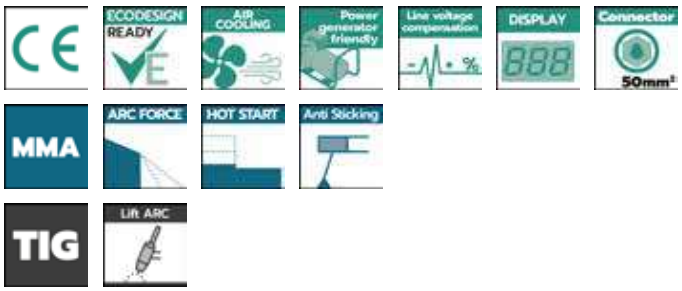
OPTIONAL	
43210138K	Ground cable with clamp kit per con. **25** mm² • **16** mm² • **2,0** mt
43205028K	Welding cable with electrod holder **25** mm² connector • **16** mm² • **3,0** mt

NOVELTIES
• **TIG Lift**
• **Display**
• **New Design**

JET 160

Input Voltage	(1ph) **230**V ± **10%** · **50/60**Hz
Max power	**6,4** KVA
U_o	**70** V
Amp. Min-Max	**10 ÷ 160** A
Duty cycle 40°C	**160**A @ **35%** **120**A @ **60%** **100**A @ **100%**
Ø Electrode	**1,6 ÷ 4,0** mm
Electrode type	**6013 - 7018**
Insulation	**H**
Protection degree	**IP22S**
Dimensions (LxWxH)	**140 x 370 x 280** mm
Net weight	**5,2** Kg
Power source part number	**99806036**

Case dimensions	**160x400x475** mm
Net weight in case	**10,0** Kg
Case KIT part number	**99806027**



NOVELTIES
- **TIG Lift**
- **Display**
- **Shockproof case KIT**

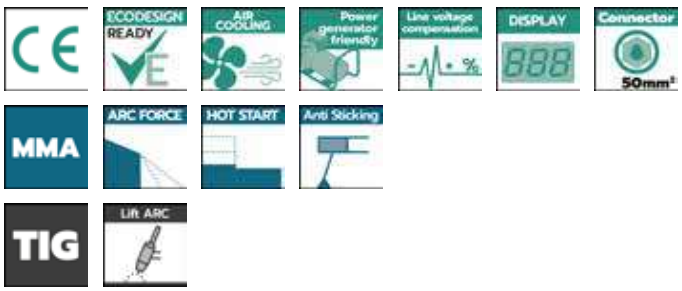
JET 160 · CASE KIT
Power source · JET 160
Ground cable · 16 mm² · 2,0 m · 200 A · conn. 50 mm²
Welding cable · 16 mm² · 3,0 m · 300 A · conn. 50 mm²
Hammer/brush
Shockproof case
KIT PART NUMBER · 99806027

OPTIONAL	
99900099	Arc welding KIT · 25 mm² · 3 + 2 mt · conn. 50 mm²

JET 200

Input Voltage	(1ph) **230**V ± **10%** · **50/60**Hz
Max power	**6,7** KVA
U_o	**70** V
Amp. Min-Max	**10 ÷ 200** A
Duty cycle 40°C	**200**A @ **35%** **150**A @ **60%** **120**A @ **100%**
Ø Electrode	**1,6 ÷ 4,0** mm
Electrode type	**6013 - 7018**
Insulation	**H**
Protection degree	**IP22S**
Dimensions (LxWxH)	**140 x 370 x 280** mm
Net weight	**5,4** Kg
Power source part number	**99806037**

Case dimensions	**160x400x475** mm
Net weight in case	**10,2** Kg
Case KIT part number	**99806028**



NOVELTIES
- **TIG Lift**
- **Display**
- **Shockproof case KIT**

JET 200 · CASE KIT
Power source · JET 200
Ground cable · 16 mm² · 2,0 m · 200 A · conn. 50 mm²
Welding cable · 16 mm² · 3,0 m · 300 A · conn. 50 mm²
Hammer/brush
Shockproof case
KIT PART NUMBER · 99806028

OPTIONAL	
99900099	Arc welding KIT · 25 mm² · 3 + 2 mt · conn. 50 mm²

GALILEO 160

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,5 KVA
U_o	70 V
Amp. Min-Max	5 ÷ 160 A
Duty cycle 40°C	160A @ 60% 130A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140x370x280 mm
Net weight	6,6 Kg
Power source part number	99806029

Bag dimensions	300x530x345 mm
Net weight in bag	11,3 Kg
Bag KIT part number	99806031

NOVELTIES

- TIG Lift
- Display
- Heavy duty
- Hot Start adjustable
- Arc Force adjustable

GALILEO 160 · BAG KIT + 25 mm² KIT

Power source · GALILEO 160
Ground cable · 25 mm² · 2,0 m · conn. 50 mm²
Welding cable · 25 mm² · 3,0 m · conn. 50 mm²
Helvi bag M · 450x220x270 mm

KIT PART NUMBER · 99806031

OPTIONAL

99900099	Arc welding KIT · 25 mm² · 3 + 2 mt · conn. 50 mm²

GALILEO 200

Input Voltage	(1ph) 230V ± 10% · 50/60Hz
Max power	6,9 KVA
U_o	70 V
Amp. Min-Max	5 ÷ 200 A
Duty cycle 40°C	200 @ 50% 160A @ 60% 140A @ 100%
Ø Electrode	1,6 ÷ 4,0 mm
Electrode type	6013 - 7018
Insulation	H
Protection degree	IP23S
Dimensions (LxWxH)	140 x 370 x 280 mm
Net weight	7,0 Kg
Power source part number	99806030

Bag dimensions	300x530x345 mm
Net weight in bag	11,7 Kg
Bag KIT part number	99806032

NOVELTIES

- TIG Lift
- Display
- Heavy duty
- Hot Start adjustable
- Arc Force adjustable

GALILEO 200 · BAG KIT + 25 mm² KIT

Power source · GALILEO 200
Ground cable · 25 mm² · 2,0 m · conn. 50 mm²
Welding cable · 25 mm² · 3,0 m · conn. 50 mm²
Helvi bag M · 450x220x270 mm

KIT PART NUMBER · 99806032

OPTIONAL

99900099	Arc welding KIT · 25 mm² · 3 + 2 mt · conn. 50 mm²

TIG DC HF · TIG AC/DC HF

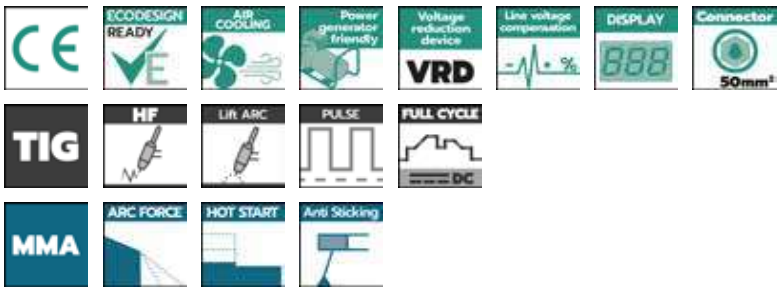
TIG DC HF · TIG AC/DC HF

GALILEO TIG 219 HF	1ph · 200A · 230V	PAG. 14
GALILEO TIG 211 EASY AC/DC	1ph · 200A · 230V	PAG. 15

GALILEO TIG 219 HF

Input voltage	(1ph) **230**V ± **10%** · **50/60**Hz	
	TIG	**MMA**
Power 60%	**4,2** KW	**5,3** KW
U_o	**64** V	**64** V
Amp. Min-Max	**5** ÷ **200** A	**5** ÷ **160** A
Duty cycle 40°C	**200**A @ **20%** **115**A @ **60%** **90**A @ **100%**	**160**A @ **20%** **95**A @ **60%** **75**A @ **100%**
Ø Electrode	-	**1,6** ÷ **4** mm
Electrode type	-	**6013 - 7018**
Insulation	**H**	
Protection degree	**IP23S**	
Dimensions (LxWxH)	**140x400x245** mm	
Box dimensions (LxWxH)	**175x510x290** mm	
Weight gross/net	**8,8 / 8,2** Kg	
Power source part number	**99806005**	

Bag dimensions (LxWxH)	**300x620x325** mm
Gross/net weight in bag	**15,8 / 14,7** Kg
Bag KIT part number	**99806007**



Easy-to-use in TIG welding with HF start. Model 219HF: all main welding parameters can be adjusted by the user: in TIG welding, 2stroke or 4stroke mode, pre-gas, up-slope time, pulsation frequency, basic current, down-slope time, crater filler current, post-gas. Equipped with a digital ammeter for displaying the welding current and presetting all parameters.

GALILEO TIG 219 HF · BAG XL KIT + KIT 25 mm²	
99806005	Power source · Galileo TIG 219 HF
23020157	TIG torch ExperTig 26 · 50 mm² · 4 m · 3 pin
43210170K	Ground cable · 25 mm² · 2,0 m · conn. 50 mm²
30900030	Gas hose KIT · 2 m
21905133	T010 · TIG welding gloves · Size 10
21905139K	Helvi Bag XL · 540 x 225 x 250 mm
KIT part number · 99806007	

GALILEO TIG 211 EASY AC/DC

Alimentazione	(1ph) 110V ± 10% · 50/60Hz			(1ph) 230V ± 10% · 50/60Hz		
	TIG		MMA	TIG		MMA
	DC	AC	DC	DC	AC	DC
Power 60%	2 KW	2 KW	2,2 KW	2,3 KW	2,5 KW	4 KW
U_o	45 V	45 V	45 V	45 V	45 V	45 V
Amp. Min-Max	5 ÷ 140 A	10 ÷ 140 A	5 ÷ 100 A	5 ÷ 200 A	10 ÷ 200 A	5 ÷ 170 A
Duty cycle 40°C	140A 40% 110A 60% 85A 100%	140A 40% 110A 60% 85A 100%	100A 35% 75A 60% 60A 100%	200A 25% 130A 60% 100A 100%	200A 30% 140A 60% 110A 100%	170A 30% 120A 60% 90A 100%
Ø Electrode	-	-	1,6 ÷ 2,5 mm	-	-	1,6 ÷ 5 mm
Electrode type	-	-	6013 - 7018	-	-	6013 - 7018
Insulation	H					
Protection degree	IP23S					
Dimensions (LxWxH)	195x490x395 mm					
Box dimensions (LxWxH)	300x640x455 mm					
Weight gross/net	12,0 / 11,2 Kg					
Power source part number	99806020					
KIT box dimens. (LxWxH)	340x630x460 mm					
KIT gross/net weight	21,2 / 19,6 Kg					
KIT part number	99806020K					

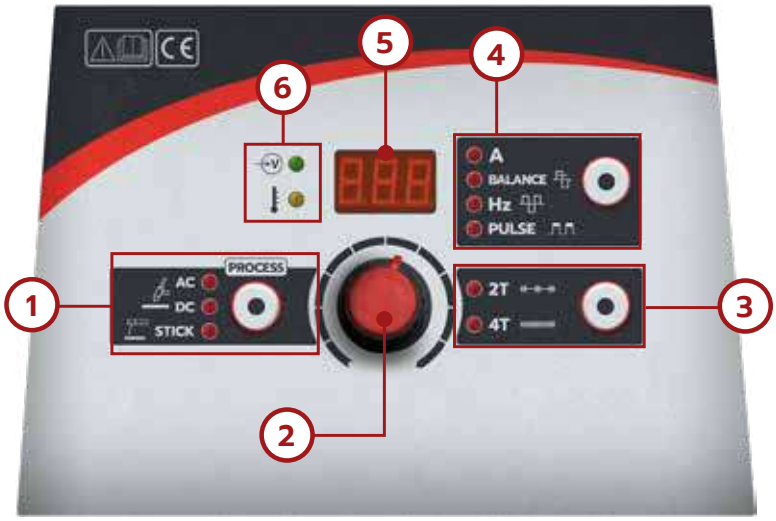
New inverter Power generator single-phase designed for AC TIG aluminium welding and DC TIG welding for steel. Arc striking with HF or LIFT ARC mode. MMA mode also available. Thanks to the inverter technology and microprocessors, the welding process is controlled at all times, guaranteeing excellent welding dynamics and optimal arc ignition. Thanks to the FLEX-LINE function, the device automatically recognizes the value of the input power supply (110V or 220V). Equipped with the PFC function, which ensures high efficiency of the unit and allows to weld with high currents and low consumptions. The GALILEO TIG EASY 211 AC/DC is equipped with an easy-to-use and intuitive control panel. 3 welding modes available: TIG AC, TIG DC e STICK (MMA).

GALILEO TIG 211 EASY AC/DC · KIT	
99806020	Power source · Galileo TIG 211 Easy AC/DC
23020410	TIG torch · Tig 26 · 4 m · 50 mm² · 12 pins
43210170	Ground cable · 25 mm² · 2 m · conn. 50 mm²
30900030	Gas hose KIT · 2 m
KIT part number · 99806020K	

INCLUDED	
22105166	Connector · 12 pin · Male (for TIG torch)

OPTIONAL	
23020410	TIG torch 26 · 12 pins · 4m
43210170K	Ground cable · 25 mm² · 2 m
99900258	Trolley
99810021	Foot remote control · 12 pins · 5 m

CONTROL PANEL



1. TIG AC / TIG DC / MMA Selection
2. Regulation knob
3. 2T/4T selection
4. TIG Parameters adjustment:
   AC Balance · AC Frequency · Pulse
5. Digital Display.
   Before welding: shows pre-set value.
   During welding: shows welding current.
6. LED: Power · thermal protection · over current

MULTIPROCESS

MULTIPROCESS

mini FOX 161	1ph · 150A · 230V	PAG. 18
FOX 165	1ph · 150A · 230V	PAG. 18
FOX 185	1ph · 170A · 230V	PAG. 19
FOX 191	1ph · 180A · 230V	PAG. 20
FOX 211	1ph · 200A · 230V	PAG. 20
PUMA 191	1ph · 180A · 230V	PAG. 22
PUMA 256	1ph · 250A · 230V	PAG. 22
PUMA 278	3ph · 250A · 400V	PAG. 23
PUMA 298	3ph · 290A · 400V	PAG. 23

mini FOX 161

Input power	(1ph) **230**V ± **10%** · **50/60**Hz
Power 60%	**2** KW
U_o	**26** V
Amp. Min-Max	**10** ÷ **150** A
Duty cycle 40°C	**150**A @ **20%** **90**A @ **60%** **70**A @ **100%**
Steel	**0,8** Ø mm
Flux core	**0,9** Ø mm
Insulation	**H**
Protection degree	**IP22S**
Dimensions (LxWxH)	**190x370x335** mm
Box dimensions (LxWxH)	**250x580x355** mm
Gross/net weight	**10,0 / 9,2** Kg
Part number	**99820060**

INCLUDED	
23000142K	MIG torch (Fixed) · 10 mm² · 2 m
-	Ground cable · 10 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m
21905039	Hammer-brush

FOX 165

Input power	(1ph) **230**V ± **10%** · **50/60**Hz	
Power 60%	**1,9** KVA	
	MIG	**MMA**
U_o	**70** V	**70** V
Amp. Min-Max	**25** ÷ **150** A	**20** ÷ **150** A
Duty cycle 40°C	**150**A @ **25%** **95**A @ **60%** **75**A @ **100%**	**150**A @ **20%** **85**A @ **60%** **65**A @ **100%**
Steel	**0,8** Ø mm	-
Flux core	**0,9** Ø mm	-
Ø Electrode	-	**1,6** ÷ **3,25** Ø mm
Electrode type	-	**6013 - 7018 - CrNi**
Insulation	**H**	
Protection degree	**IP22S**	
Dimensions (LxWxH)	**220x480x385** mm	
Box dimensions (LxWxH)	**260x590x435** mm	
Gross/net weight	**12,0 / 10,5** Kg	
Part number	**99820050**	

INCLUDED	
23000132	MIG torch · 10 mm² · 2,7 m
-	Ground cable · 16 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805074	Drive roll · Ø 25 mm · 0,6 ÷ 0,8/0,9 mm Knurled
30900030	Gas hose KIT · 2 m

OPTIONAL	
99900171A	Trolley
43205028K	MMA welding cable · 16 mm² · 3 m

FOX 185

Input voltage	(1ph) 115V · 50/60Hz			(1ph) 230V · 50/60Hz		
Power 60%	1,9 KVA			2,8 KVA		
	MIG	**MMA**	**TIG**	**MIG**	**MMA**	**TIG**
U_o	60 V	80 V	9,5 V	60 V	80 V	9,5 V
Amp. Min-Max	25 ÷ 120 A	20 ÷ 100 A	5 ÷ 110 A	25 ÷ 170 A	20 ÷ 170 A	5 ÷ 170 A
Duty cycle 40°C	120A 40% 100A 60% 75A 100%	100A 40% 85A 60% 65A 100%	110A 40% 90A 60% 70A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%	170A 25% 110A 60% 85A 100%
Steel	0,6 ÷ 0,8 Ø mm					
Stainless steel	0,8 Ø mm					
Aluminum	0,8 ÷ 1,0 Ø mm					
Flux core	0,9 Ø mm					
$CuSi_3$	0,8 Ø mm					
Ø Electrode	1,6 ÷ 3,25 Ø mm					
Electrode type	6013 - 7018 - CrNi					
Insulation	H					
Protection degree	IP22S					
Dim. (LxWxH)	220x480x385 mm					
Box dimensions	260x590x435 mm					
Gross/net weight	16 / 12 Kg					
Part number	99820039A					

INCLUDED	
23000491	MIG torch 15 · Euro connection · 3 m
43210138K	Ground cable · 16 mm² · 2 m
21910108	Wire reel · Steel SG2 · 1,0 Kg · Ø 0,8 mm
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm
30900030	Gas hose KIT · 2 m

OPTIONAL	
99900171A	Trolley
43205028K	MMA welding cable · 16 mm² · 3 m
23020173	TIG torch · Tig 17V · 4 m · with gas valve

FOX 191

Input power	(1ph) 230V ± 10% · 50/60Hz		
	MIG	MMA	TIG
Power 60%	2,4 KW	2,8 KW	2,8 KW
U_o	70 V	70 V	70 V
Amp. Min-Max	25 ÷ 180 A	20 ÷ 180 A	5 ÷ 180 A
Duty cycle 40°C	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%
Steel	0,6 ÷ 1,0 Ø mm	-	-
Stainless steel	0,8 ÷ 1,0 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 4,0 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	220x480x385 mm		
Box dimensions (LxWxH)	260x590x435 mm		
Gross/net weight	12,5 / 10,5 Kg		
Part number	99820052		

INCLUDED	
23000491	MIG torch 15 · Euro connection · 3 m
43210138K	Ground cable · 16 mm² · 2 m
21910116	Flux core wire reel · 0,5 Kg · Ø 0,9 mm
33805023	Drive roll · Ø 30 mm · 0,6 ÷ 0,8/0,9 mm
30900030	Gas hose KIT · 2 m

OPTIONAL	
99900171A	Trolley
23020173	TIG torch · Tig 17V · 4 m · with gas valve
43205028K	MMA welding cable · 16 mm² · 3 m

FOX 211

Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	5,5 KVA		
	MIG	MMA	TIG
U_o	35 V	65 V	65 V
Amp. Min-Max	20 ÷ 200 A	5 ÷ 200 A	5 ÷ 200 A
Duty cycle 40°C	200A @ 35% 160A @ 60% 140A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%	200A @ 35% 150A @ 60% 120A @ 100%
Steel	0,6 ÷ 1,0 Ø mm	-	-
Stainless steel	0,8 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,9 Ø mm	-	-
$CuSi_3$	0,8 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 5,0 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	220x520x385 mm		
Box dimensions (LxWxH)	260x640x435 mm		
Gross/net weight	23 / 19 Kg		
Part number	99820053A		

INCLUDED	
23000494	MIG torch ErgoPlus 25 · Euro connection · 3 m
43210132K	Ground cable · 25 mm² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
30900030	Gas hose KIT · 2 m

OPTIONAL	
99900171A	Trolley
23020199	TIG torch · Tig 26V · 4 m
43205049K	MMA welding cable · 16 mm² · 3 m

OPTIONAL FOR FOX RANGE

OPTIONAL "EASY GAS"

	22905118	Pressure regulator Micro 130 bar · no manometer
	21900011	MisterWork disposable gas bottles MIX C8 Argon/CO_2 · 14 lt · 60 bar Average welding time: ± 70/75 min
	99900171A	Trolley

OPTIONAL "FULL GAS"

99900258A	Trolley HD AIR

PUMA 191

	MIG	MMA	TIG
Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	2,3 KVA	2,3 KVA	2,3 KVA
U_o	70 V	70 V	70 V
Amp. Min-Max	25 ÷ 180 A	20 ÷ 180 A	5 ÷ 180 A
Duty cycle 40°C	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%	180A @ 20% 105A @ 60% 75A @ 100%
Steel	0,8 Ø mm	-	-
Stainless steel	0,9 Ø mm	-	-
Aluminium	0,8 ÷ 1,0 Ø mm	-	-
Flux core	0,6 ÷ 0,8 Ø mm	-	-
$CuSi_3$	0,8 Ø mm	-	-
Ø Electrode	-	1,6 ÷ 3,25 Ø mm	-
Electrode type	-	6013 - 7018 - CrNi	-
Insulation	H		
Protection degree	IP22S		
Dimensions (LxWxH)	460x770x660 mm		
Box dimensions (LxWxH)	360x795x530 mm		
Gross/net weight	37 / 33 Kg		
Power source part number	99820065		
KIT Part number	99820065K		

PUMA 191 · KIT VERSION	
99820065	Power source · Puma 191 (no accessories)
23000491	MIG torch MIG 15 · Euro connection · 3 m
43210138	Ground cable · 16 mm² · 2 m
33805003	Drive roll · Ø 30 mm · 0,6 ÷ 0,8 mm
KIT PART NUMBER · 99820065K	

OPTIONAL	
23020173	TIG Torch · Tig 17V · 4 m

PUMA 256

	MIG	MMA	TIG
Input power	(1ph) 230V ± 10% · 50/60Hz		
Power 60%	5,6 KW	5,6 KW	5,6 KW
U_o	30 V	56 V	10 V
Amp. Min-Max	30 ÷ 250A	20 ÷ 200 A	10 ÷ 250 A
Duty cycle 40°C	250A @ 30% 190A @ 60% 170A @ 30%	200A @ 30% 170A @ 60% 150A @ 100%	250A @ 30% 190A @ 60% 170A @ 100%
Steel	0,8 ÷ 1,0 Ø mm		
Stainless steel	0,8 ÷ 1,0 Ø mm		
Aluminium	1,0 ÷ 1,2 Ø mm		
Flux core	1,0 ÷ 1,2 Ø mm		
$CuSi_3$	0,8 Ø mm		
Ø Electrode		1,6 ÷ 4 Ø mm	
Electrode type		6013 - 7018	
Insulation	H		
Protection degree	IP23S		
Dimensions (LxWxH)	450x840x710 mm		
Box dimensions (LxWxH)	365x895x650 mm		
Gross/net weight	32 / 30 Kg		
Power source part number	99820061		
KIT Part number	99820061K		

PUMA 256 · KIT VERSION	
99820061	Power source · Puma 256 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210253	Ground cable · 25 mm² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO_2/Argon · 2 manometers
22910014	Adaptor for gas bottle
KIT PART NUMBER · 99820061K	

OPTIONAL	
23020199	TIG Torch · Tig 26V · 4 m

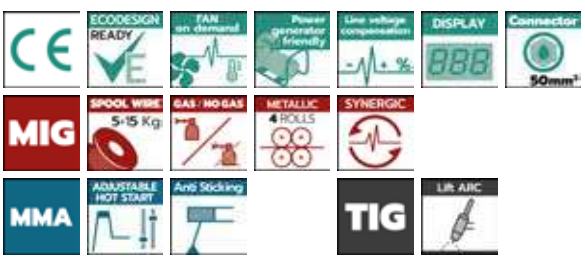
PUMA 278

Input power	(3ph) **400**V ± **10**% · **50/60**Hz
	MIG
Power 60%	**4,8** KW
U_o	**30** V
Amp. Min-Max	**30 ÷ 250**A
Duty cycle 40°C	**250**A @ **35**% **190**A @ **60**% **150**A @ **100**%
Steel	**0,8 ÷ 1,0** Ø mm
Stainless steel	**0,8 ÷ 1,0** Ø mm
Aluminium	**1,0 ÷ 1,2** Ø mm
Flux core	**1,0 ÷ 1,2** Ø mm
$CuSi_3$	**0,8** Ø mm
Insulation	**H**
Protection degree	**IP23S**
Dimensions (LxWxH)	**450x840x710** mm
Box dimensions (LxWxH)	**365x895x650** mm
Gross/net weight	**32 / 30** Kg
Power source part number	**99825017A**
KIT Part number	**99825017KA**

PUMA 278 · KIT VERSION	
99825017A	Power source · Puma 278 (no accessories)
23000494	MIG Torch 25 · Euro Connection · 3 m
43210253	Ground cable · 25 mm² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO_2/Argon · 2 manometers
22910014	Adaptor for gas bottle
KIT PART NUMBER · 99825017KA	

PUMA 298

Input power	(3ph) **400**V ± **10**% · **50/60**Hz		
	MIG	**MMA (rutile only)**	**TIG**
Power 60%	**6** KW	**6** KW	**5,8** KW
U_o	**35** V	**54** V	**54** V
Amp. Min-Max	**30 ÷ 290**A	**20 ÷ 250** A	**10 ÷ 290** A
Duty cycle 40°C	**290**A @ **35**% **220**A @ **60**% **170**A @ **100**%	**250**A @ **35**% **190**A @ **60**% **150**A @ **100**%	**290**A @ **35**% **220**A @ **60**% **170**A @ **100**%
Steel	**0,8 ÷ 1,0** Ø mm		
Stainless steel	**0,8 ÷ 1,0** Ø mm		
Aluminium	**1,0 ÷ 1,2** Ø mm		
Flux core	**1,0 ÷ 1,2** Ø mm		
$CuSi_3$	**0,8** Ø mm		
Ø Electrode		**1,6 ÷ 5** Ø mm	
Electrode type		**6013** rutile	
Insulation	**H**		
Protection degree	**IP23S**		
Dimensions (LxWxH)	**450x840x710** mm		
Box dimensions (LxWxH)	**365x895x650** mm		
Gross/net weight	**37 / 35** Kg		
Power source part number	**99825016**		
KIT Part number	**99825016K**		



PUMA 298 · KIT VERSION	
99825016	Power source · Puma 298 (no accessories)
23000494	MIG Torch MIG 25 · Euro connection · 3 m
43210254	Ground cable · 35 mm² · 3 m
33805101	Drive roll · Ø 30 mm · 0,8 ÷ 1,0 mm
22905049	Pressure regulator · mini CO_2/Argon · 2 manometers
22910014	Adaptor for gas bottle
KIT PART NUMBER · 99825016K	

OPTIONAL	
23020199	Torgia TIG · Tig 26V · 4 m

PLASMA CUTTING

PLASMA CUTTING

PC 33	1ph · 28A · 230V	PAG. 26
COMBI PC 302K	1ph · 30A · 230V	PAG. 27

PC 33

Plasma torch	**PT40**
Input voltage	(1ph) **230**V ± **10**% · **50/60**Hz
Power 60%	**2,8** KVA
U_o	**310** V
Amp Min-Max	**12** ÷ **28** A
Duty cycle 40°C	**28**A @ **30**% **12**A @ **100**%
Severance	**10** mm
Quality cutting	**8** mm
Air pressure	**4 - 5** bar
Air capacity	**100** l/min
Insulation	**H**
Protection degree	**IP22S**
Dimensions (LxWxH)	**155x430x320** mm
Box dimensions (LxWxH)	**260x560x355** mm
Gross/net weight	**10,6 / 9,7** kg
Part number	**99830024**

The Plasma, based on Inverter technology, guarantees accurate and clean plasma cut up to 8 mm thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed. The front panel is provided with clear and simple graphics for the adjustment of the cutting current and to indicate the intervention of any of the internal safety devices. Extra operator protection is provided by a special Start system. It is well suited for auto body repair shops, air conditioning systems and general plate working.

INCLUDED	
23010070	Plasma torch · PT40 · 4 m
43210150	Ground cable · 6 mm² · 4 m

CONSUMABLE KIT INCLUDED	
23015224	Contact tip · Ø 0,9 mm · 30 - 40 A
23015186	Contact tip · Ø 0,8 mm · 20 - 30 A
23015189	Contact tip · Ø 0,65 mm · 10 - 20 A
23015187	Electrode

PC COMBI 302K

Plasma torch	**PT40C**	
Input voltage	(**1**ph) **230**V ± **10**% · **50/60**Hz	
Power 60%	**2,5 / 3** KVA	
U_o	**310** V	
	Internal compressor	**External air**
Amp Min-Max	**12** ÷ **25** A	**12** ÷ **28** A
Duty cycle 40°C	**25**A @ **40**% **12**A @ **100**%	**28**A @ **30**% **12**A @ **100**%
Severance	**8** mm	**10** mm
Air pressure	-	**4 ,5** bar
Air capacity	-	**100** l/min
Insulation	**H**	
Protection degree	**IP22S**	
Dimensions (LxWxH)	**200x435x395** mm	
Box dimensions (LxWxH)	**290x560x400** mm	
Gross/net weight	**20,4 / 19** kg	
Part number	**99830015**	

Plasma cutting systems based on inverter technology with internal compressor. Portable, single-phase, microprocessor-controlled and equipped with pneumatic torch without HF. Easily used even at some distance from a compressed air source, they produce quality cutting on all conductor materials such as steel, stainless steel, aluminium, copper, brass, etc. Suitable for lightweight and heavy bodywork, maintenance of large installations, air conditioning systems, shipyards and metalwork in general.

INCLUDED	
23010067	Plasma torch · PT40C · 4 m
43210150	Ground cable · 6 mm² · 4 m

CONSUMABLE KIT INCLUDED	
23015186	Contact tip · Ø 0,8 mm · 20 - 30 A
23015189	Contact tip · Ø 0,65 mm · 10 - 20 A
23015187	Electrode
23015188	Retaining cap · 6 holes (for external compressor)

SAFETY

SAFETY

WELDING MASKS

	PART NUMBER	DESCRIPTION	OPTIC CLASS
STORM VISION 4.1 + HELVI BAG XL	**99900269**	Welding mask with respiartor · 4 Sensors	1 / 1 / 1 / 1
VISION 4.1 + HELMET BAG	**21905147K**	Welding mask · 4 Sensors	1 / 1 / 1 / 1
SKY 4.0 + HELMET BAG	**21905179K**	Welding mask · 4 Sensors	1 / 1 / 1 / 2
VISION 2.1 + HELMET BAG	**21905100K**	Welding mask · 2 Sensors	1 / 1 / 1 / 2
SKY 2.0 + HELMET BAG	**21905125K**	Welding mask · 2 Sensors	1 / 1 / 1 / 2
MIRAGE	**21905182**	Manual welding mask · DIN 11	-
HELMET BAG	**21905181**	Practical bag for welding masks	-

WELDING CLOTHING

	PART NUMBER	DESCRIPTION	AVAILABLE SIZES (European)
JACKET	**21905135**	Welding jacket	48 - 50 - 52 - 54 - 56
THROUSERS	**21905136**	Welding throusers	48 - 50 - 52 - 54 - 56
TIG GLOVES	**21905133**	Professional welding gloves	09 - 10
MIG/MMA GLOVES	**21905134**	Professional welding gloves	10 - 11
SPLIT LEATHER GLOVES	**21905177**	Professional welding gloves	One-size-fits-all
APRON	**21905176**	Welding apron	One-size-fits-all

FUME EXTRACTORS

	PART NUMBER	HOSE TYPE	Ø HOSE	HOSE LENGTH	FILTRATION EFFICIENCY	NOISE LEVEL
PFE	**99900320**	Flexible	**55** mm	**2000** mm	**99 %**	**80** dBA
MFE (NO HOSE)	**99900321**	-	**-**	**-**	**E12 > 99,5 %**	**73** dBA
MFE HD (NO HOSE)	**99900322**	-	**-**	**-**	**E12 > 99,5 %**	**73** dBA
BRACCIO ARMOTECH	**99900301**	Rigid	**160** mm	**3000** mm	**-**	-
BRACCIO ARMOFLEX	**99900302**	Flexible	**160** mm	**3000** mm	**-**	-

4 SENSORS · STORM VISION 4.1 + HELVI BAG XL 99900269

*Additional filter for INOX welding
Cod. 21905161

Optical Class **1/1/1/1**
Filter size **133** x **114** x **9** mm
Viewing area **97** x **62** mm
4 Sensors · Light Shade **3.5**
Darkness Shade **5** - **8** / **9** - **13** variable
Grinding **YES DIN 4** Fixed
Protection Adjustment **Internal**, variable shade
UV/IR Protection up to DIN **16**
Switching time from Light to Dark **1/25000**s
Switching time from Dark to Light **0.05 - 1.0**s
Sensitivity/Delay **adjustable** by digital control (**10 levels**)
Power Supply **Solar cells** + **2 x CR2450 Lithium batteries**
ON/OFF: manual ON - Automatic OFF
Low Battery alarm **YES**, red pilot lamp
Min Amp/TIG Rating ≥ **2**A AC - DC
True Color filter **YES**

RESPIRATOR TECHNICAL DATA

2 air flow levels: **170** lpm and **210** lpm
Filter efficiency: **99,97**% · Battery life: **9** h (**170** lpm)
Recharge time: **1** h · Weight: **1**kg · Approval: **EN12941- TH2t**

TIG · MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905076**	133 x 114 x 1 mm
INTERNAL GLASS	**21905079**	96,9 x 65,7 x 1 mm

STANDARD BATTERY	**21905155**	-
EXTENDED BATTERY	**21905156**	-
EXTERNAL PROTECTION	**21905159**	-
FILTER PROTECTION	**21905158K**	(5 pieces KIT)
PARTICULATE FILTER	**21905157**	-
***GAS FILTER**	**21905161**	-

4 SENSORS · VISION 4.1 + HELMET BAG — 21905147K

Optical Class **1/1/1/1**
Filter size **133** x **114** x **9** mm
Viewing area **97** x **62** mm
4 Sensors
Light Shade **3.5**
Darkness Shade **5** - **8** / **9** - **13** variable
Grinding **YES DIN 4** Fixed
Protection Adjustment **Internal**, variable shade
UV/IR Protection up to DIN **16**
Switching time from Light to Dark **1/25000**s
Switching time from Dark to Light **0.05 - 1.0**s
Sensitivity/Delay **adjustable** by digital control (**10 levels**)
Power Supply **Solar cells** + **2 x CR2450 Lithium batteries**
ON/OFF: manual ON - Automatic OFF
Low Battery alarm **YES**, red pilot lamp
Min Amp/TIG Rating ≥ **2**A AC - DC
True Color filter **YES**

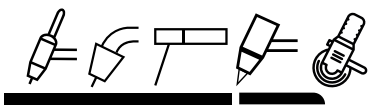
TIG · MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905076**	133 x 114 x 1 mm
INTERNAL GLASS	**21905079**	96,9 x 65,7 x 1 mm

4 SENSORS · SKY 4.0 + HELMET BAG — 21905179K

Optical Class **1/1/1/2**
Filter size **110** x **90** x **9** mm
Viewing area **100** x **53** mm
4 Sensors
Light Shade **4**
Darkness Shade **5** - **8** / **9** - **13** variable
Grinding **YES DIN 4** Fixed
Protection Adjustment **External**, variable shade
UV/IR Protection up to DIN **16**
Switching time from Light to Dark **1/25000**s
Switching time from Dark to Light **0.1 - 1.0**s
Sensitivity/Delay **adjustable** by infinite knob
Power Supply **Solar cells** + **1 x CR2032 Lithium battery**
ON/OFF Automatic
Low Battery alarm **YES**, red pilot lamp
Min Amp/TIG Rating ≥ **5**A AC - DC
True Color filter **YES**



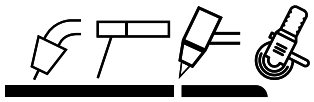
TIG · MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905168**	120 x 104 x 1 mm
INTERNAL GLASS	**21905169**	105,6 x 58 x 0,8 mm

2 SENSORS · VISION 2.1 + HELMET BAG — 21905100K

Optical Class **1/1/1/2**
Filter size **110** x **90** x **9** mm
Viewing area **98** x **44** mm
2 Sensors
Light Shade **3.5**
Darkness Shade **9 - 13**
Grinding **YES**
Protection Adjustment **Internal**, variable shade
UV/IR Protection up to DIN **16**
Switching time from Light to Dark **1/16000**s
Switching time from Dark to Light **0.1 - 1.0**s
Sensitivity/Delay **adjustable** by infinite knob
Power Supply **Solar cells** and **2 Alkaline AAA batteries**
ON/OFF Automatic
Low Battery alarm **YES**, red pilot lamp
Min Amp/TIG Rating ≥ **5**A AC - DC
True Color filter **YES**



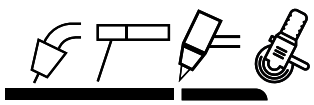
MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905077**	114 x 100 x 1,5 mm
INTERNAL GLASS	**21905078**	95,9 x 47,2 x 1 mm

2 SENSORS · SKY 2.0 + HELMET BAG — 21905125K

Optical Class **1/1/1/2**
Filter size **110** x **90** x **9** mm
Viewing area **98** x **42** mm
2 Sensors
Light Shade **4**
Darkness Shade **9 - 13**
Grinding **YES**
Protection Adjustment **External**, variable shade
UV/IR Protection up to DIN **16**
Switching time from Light to Dark **1/25000**s
Switching time from Dark to Light **0.1 - 1.0**s
Sensitivity/Delay **adjustable** by infinite knob
Power Supply **Solar cells** and **1 CR2032 batteries**
ON/OFF Automatic
Low Battery alarm **YES**, red pilot lamp
Min Amp/TIG Rating ≥ **10**A AC - DC
True Color filter **NO**



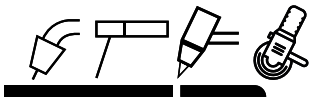
MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905128**	117 x 104 mm
INTERNAL GLASS	**21905129**	101 x 49 mm

MANUAL CONTROL · MIRAGE 21905182

Filter size **110** x **90** x **5** mm
Viewing area **110** x **90** mm
Darkness Shade **DIN11**
Grinding **YES**
UV/IR Protection up to DIN **16**



MIG · MMA · PLASMA · GRINDING

SPARE PARTS

EXTERNAL GLASS	**21905184**	110,5 x 93 mm
INTERNAL GLASS	**21905183**	110 x 90 x 5 mm

HELMET BAG 21905181

1 2

Protective clothing against heat risks designed specifically for welding.

Made of 100% cotton with permanent treatment PROBAN® flame retardant.

Materials: 100% cotton, weight 340 g/m², FL PROBAN® permanent treatment

Performance was checked after 50 cycles of washing and are still certified the same.

PROBAN® is a technological process of controlled quality which provides fabrics with flame retardant properties suitable for long term use.

PROBAN® fabrics resist regeneration / recycling and dry cleaning processes. Protection against heat risks in different work environments is guaranteed for a long time.

EN ISO 11612 A1 A2 B1 C1 F1

EN ISO 11611 class 1

1 WELDING JACKET

60°

AVAILABLE SIZES					
48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905135

2 WELDING THROUSERS

60°

AVAILABLE SIZES					
48	50	52	54	56	•
M	M/L	L	XL	XXL	

21905136

3 WELDING GLOVES

FOR TIG WELDING

EN: 388:2016

EN: 407:2004

433X2X

AVAILABLE SIZES
09 · 10
21905133

FOR MIG/MMA WELDING

EN: 388:2016

EN: 407:2004

433X2X

AVAILABLE SIZES
10 · 11
21905134

SPLIT LEATHER FOR WELDING

EN: 388:2016

3222

EN: 407:2004

AVAILABLE SIZES
ONE SIZE FITS ALL
21905177

4 WELDING APRON

EN: 388:2016

3222

EN: 407:2004

413X4X

EN ISO 11611:2015

Class 2 A1

AVAILABLE SIZES
ONE SIZE FITS ALL
21905176

PFE · Portable fume extractor

Input voltage	**1**ph · **230**V **50**Hz
Hose	**Flessibile**
Ø Hose	**50** mm
Hose length	**2000** mm
Motor power	**1,1** KW
Airflow	**250** m³/h
Extraction capacity	**110** m³/h
Filter type	**Filtrazione a 3 stadi**
Filtration efficiency	**99**%
Noise level	**80** dB
Dimensions (LxWxH)	**520x255x470** mm (senza braccio)
Box (LxWxH)	**800x600x450** mm
Weight gross/net	**20** Kg
Part number	**99900320**

MFE · Mobile fume extractor

Input voltage	**1**ph · **230**V **50**Hz
Motor power	**1,1** KW
Airflow	**2500** m³/h
Extraction capacity	**1100** m³/h
Filter type	**Filtro a tasca**
Filtration stages	**3**
Filtration efficiency	**E12** > **99,5** %
Superficie filtrante	**14,5** m²
Noise level	**73** dB
Dimensions (LxWxH)	**1010x520x920** mm
Box (LxWxH)	**1150x550x1050** mm
Weight gross/net	**85** Kg
Part number	**99900321**

MFE HD · Mobile fume extractor

Input voltage	**1**ph · **230**V **50**Hz
Motor power	**1,1** KW
Airflow	**2500** m³/h
Extraction capacity	**1100** m³/h
Filter type	**Filtro a tasca**
Filtration stages	**3**
Filtration efficiency	**E12** > **99,5** %
Superficie filtrante	**14,5** m²
Noise level	**73** dB
Dimensions (LxWxH)	**600x800x1200** mm
Box (LxWxH)	**660x840x1380** mm
Weight gross/net	**105** Kg
Part number	**99900322**

OPTIONAL

	ARMOTECH	ARMOFLEX
Hose	Rigido	Flessibile
Ø Hose	160 mm	160 mm
Hose length	3000 mm	3000 mm
Box (LxWxH)	1610x550x380 mm	1610x550x380 mm
Gross weight	21 Kg	16 Kg
Part number	99900301	99900302

ARMOTECH

ARMOFLEX

3 STAGES FILTER (PFE)

1. ANTI-SPARKS METALLIC FILTER
2. FILTER CARTRIDGE - Efficiency 99%
3. CARBON FILTER

SPARE PARTS

1	99900242	Dimensions: 240x337x12 mm
2	99900243	Dimensions: Ø 195mm · L=28 mm
3	99900244	Dimensions: 240x292 mm

3 STAGES HEPA FILTER (MFE · MFE HD)

1. **METALLIC FILTER CELL + CORRUGATED**
   Material: Aluminum fiber
   Regeneration: Yes, washable

   Material: Polyester fiber
   Regeneration: Yes, by shacking

2. **RIGID HEPA GLASS MICROFIBER POCKET FILTER**
   Material: Glass fiber E12
   Regeneration: NO (needs replacement)

MFE SPARE PARTS

1	99900305	Dimensions: 490x592x48 mm
2	99900238	Dimensions: 490x592x48 mm

OPTIONAL

NEW	99900329	Spark arresting filter Armospark160

MFE HD SPARE PARTS

1	99900306	Dimensions: 490x592x98 mm
2	99900238	Dimensions: 490x592x98 mm

OPTIONAL

	99900241	CARBON FILTER 10 Kg Dimensions: 292x648x48 mm
NEW	99900329	Spark arresting filter Armospark160

ACCESSORIES & SPARE PARTS

ACCESSORIES & SPARE PARTS

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ACCESSORIES MMA · **All Welding Kits include:** Mask · Ground cable · Electrode holder · Brush - Hammer

	99900037	Arc welding KIT · **16** mm² **3 + 2** mt · **25** mm² connector	Sparc 120 - 160 - 200	
	99900014	Arc welding KIT · **25** mm² **3 + 2** mt · **25** mm² connector	Sparc 120 - 160 - 200	
	99900099	Arc welding KIT · **25** mm² **3 + 2** mt · **50** mm² connector	JET 160 - 200 · Galileo 160 - 200 Galileo TIG 219HF - 211 Easy AC/DC	

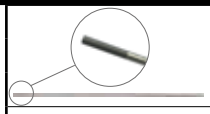
ACCESSORIES MMA · GROUND CABLES & WELDING CABLES

	43210138K	Ground cable with clamp kit for **25** mm² connector · **16** mm² · **2,0** mt	mini Fox 161 · Fox 165 - 185 - 191 Sparc 120 - 160 - 200 · Puma 191	
	43210170K	Ground cable with clamp kit per **50** mm² connector · **25** mm² · **2,0** mt	Galileo 160 - 200 · TIG 219 HF Galileo TIG 211 Easy AC/DC	
	43210132K	Ground cable with clamp kit per **50** mm² connector · **25** mm² · **3,0** mt	Fox 211 · Puma 256 - 278	
	43210142K	Ground cable with clamp kit per **50** mm² connector · **35** mm² · **3,0** mt	Puma 298	
	43205028K	Welding cable with electrod holder **25** mm² connector · **16** mm² · **3,0** mt	Sparc 160 - 200 · Puma 191 Fox 165 - 185 - 191	
	43205049K	Welding cable with electrod holder **50** mm² connector · **16** mm² · **3,0** mt	Fox 211	
	43205040K	Welding cable with electrod holder **50** mm² connector · **25** mm² · **3,0** mt	Galileo 160 - 200 · TIG 219 HF Fox 211 · Puma 256 - 298	
	22110007	Earth clamp **200A Type** · Kit **160** A - **180** A	Fox 165 - 185 - 191 · Sparc 120 · Puma 191	
	22110033	Earth clamp **300A Type** · Kit **250** A - **300** A	Sparc 160 - 200 Galileo 160 - 200 · Galileo TIG 219HF Fox 211 · Puma 256 - 278 - 298	
	22110011	Electrode holder **352 Type** · Kit **140** A - **160** A	Sparc 120 · Fox 165	
	22110010	Electrode holder **202 Type** · Kit **180** A - **250** A - **300** A	Sparc 160 - 200 - Fox 185 - 191 - 211 Galileo 160 - 200 - TIG 219HF Puma 191 - 256 - 278 - 298	
	22100001	Plug · **25** mm²	-	
	22100003	Plug · **50** mm²	-	
	22100010	Plug · **95** mm²	-	
	22100020	Connector adapter · **25-50** mm²	-	
	10210057	Welding cable · **16**mm² **Lenght on demand**	-	
	10210059	Welding cable · **25**mm² **Lenght on demand**	-	

ACCESSORIES TIG · TIG TORCHES

	23020173	**Tig 17V** · **4** mt · with gas valve · conn. **25** mm² Consumables KIT **Ø 1,6** mm	Sparc 120 - 160 - 200 Fox 185 · Puma 191	
	23020159	**Tig 17V** · **4** mt · with gas valve · conn. **50** mm² Consumables KIT **Ø 1,6** mm	Jet 160 - 200 Galileo 160 - 200	
	23020199	**Tig 26V** · **4** mt · with gas valve · conn. **50** mm² Consumables KIT **Ø 2,4** mm	Fox 211 Puma 256 - 298	
	23020157	**ExperTig 26** · **4** mt · conn. **50** mm² · **3** Pin Consumables KIT **Ø 2,4** mm	Galileo TIG 219HF	
	23020198	**ExperTig 26** · **8** mt · cconn. **50** mm² · **3** Pin Consumables KIT **Ø 2,4** mm	Galileo TIG 219HF	
	23020176	**ExperTig 26** · **4** mt · conn. **50** mm² · **12** Pin Consumables KIT **Ø 2,4** mm	Galileo TIG 211 Easy AC/DC	
	23020189	**ExperTig 26** · **8** mt · conn. **50** mm² · **12** Pin Consumables KIT **Ø 2,4** mm	Galileo TIG 211 Easy AC/DC	
	23020410	**Tig26** · **4** mt · conn. **50** mm² · **12** Pin Consumables KITi **Ø 2,4** mm - (End of series)	Galileo TIG 211 Easy AC/DC	

SPARE PARTS · TIG CONSUMABLES

	**23025006**	Cerium tungsten electrode (grey) · **Ø 1,6 mm** · lots of 10 pcs
	23025015	Cerium tungsten electrode (grey) · **Ø 2,4 mm** · lots of 10 pcs
	23025019	Cerium tungsten electrode (grey) · **Ø 3,2 mm** · lots of 10 pcs
	23025036	**KIT D.1,6 Torch TIG 18/26** Cerium tungsten electrode turquoise Ø 1,6 mm · 175 mm · TIG collet Ø 1,6 mm TIG collet body Ø 1,6 mm · Ceramic nozzle Gr. 6
	23025029	**KIT D.2,4 Torch TIG1 8/26** Cerium tungsten electrode turquoise Ø 2,4 mm · 175 mm · TIG collet Ø 2,4 mm TIG collet body Ø 2,4 mm · Ceramic nozzle Gr. 6
	23025037	**KIT D.3,2 Torch TIG 18/26** Cerium tungsten electrode turquoise Ø 3,6 mm · 175 mm · TIG collet Ø 3,6 mm TIG collet body Ø 3,6 mm · Ceramic nozzle Gr. 6
	23025061	**KIT D.1.6 Torch TIG 20** Cerium tungsten electrode turquoise Ø 1,6 mm · 175 mm · TIG collet Ø 1,6 mm TIG collet body Ø 1,6 mm · Ceramic nozzle Gr. 6
	23025062	**KIT D.2.4 Torch TIG 20** Cerium tungsten electrode turquoise Ø 2,4 mm · 175 mm · TIG collet Ø 2,4 mm TIG collet body Ø 2,4 mm · Ceramic nozzle Gr. 6
	23025085	**KIT D.3,2 Torch TIG 20** Cerium tungsten electrode turquoise Ø 3,6 mm · 175 mm · TIG collet Ø 3,6 mm TIG collet body Ø 3,6 mm · Ceramic nozzle Gr. 6

TIG TORCH CONNECTOR

	22105126	TIG torch male connector · 3 pins	Galileo TIG 219 HF	
	22105166	TIG torch male connector · 12 pins	Galileo TIG 211 Easy AC/DC	

REMOTE CONTROL

	99810021	Foot remote control **12 pins** · **5 m**	Galileo TIG 211 Easy AC/DC	

ACCESSORIES · MIG/MAG TORCHES

	23000132	**MIG TORCH TN** **2,7** m · Black · Direct connection · Gas/No Gas	Fox 165	
	23000142K	**MIG TORCH TN 14** **2** m · Black · Direct connection · Gas/No Gas	mini Fox 161	
	23000491	**MIG TORCH 15** **3** m · Grey/Black · Euro connection	Fox 185 - 191 Puma 191	
	23000495	**TRAFIMET ERGO PLUS 25** **4** m · Black/Blue · Euro connection	**Fox 211** **Puma 256 - 278 - 298**	
	23000494	**TRAFIMET ERGO PLUS 25** **3** m · Black/Blue · Euro connection **OPTIONAL** Aluminium KIT **04600384**	**Fox 211** **Puma 256 - 278 - 298**	

SPARE PARTS · MIG/MAG CONSUMABLES

TORCH 23000132 · MIG TN

	23005516	Torch neck without gas valve	
	23005018	Contact tip · **Ø 0,6** mm lots of 20 pcs	
	23005019	Contact tip · **Ø 0,8** mm lots of 20 pcs	
	23005020	Contact tip · **Ø 1,0** mm lots of 20 pcs	
	23005021	Gas nozzle · **Ø 12** mm · lots of 10 pcs	
	23005096	Gas diffuser · lots of 10 pcs	

TORCH 23000142K · MIG TN 14

	23005516	Torch neck without gas valve	
	23005018	Contact tip · **Ø 0,6** mm lots of 20 pcs	
	23005019	Contact tip · **Ø 0,8** mm lots of 20 pcs	
	23005182	Contact tip · **Ø 0,9** mm lots of 20 pcs	
	23005021	Gas nozzle · **Ø 12** mm · lots of 10 pcs	
	23005096	Gas diffuser · lots of 10 pcs	

TORCH 23000491 · MIG 15

	23005018	Contact tip · **Ø 0,6** mm lots of 20 pcs	
	23005019	Contact tip · **Ø 0,8** mm lots of 20 pcs	
	23005020	Contact tip · **Ø 1,0** mm lots of 20 pcs	
	23005029	Contact tip · **Ø 1,2** mm lots of 20 pcs	
	23005448	Contact tip · **Ø 1,0** mm for Aluminium · lots of 20 pcs	
	23005117	Gas nozzle · **Ø 9,5** mm · lots of 10 pcs	
	23005021	Gas nozzle · **Ø 12** mm · lots of 10 pcs	
	23005022	Spot welding nozzle lots of 10 pcs	
	23005092	Gas diffuser · lots of 10 pcs	
	23005562	Brass wire inlet tube **Ø 4,4 x 5** mm · L = **150** mm	

TORCHES 23000494 - 23000495 · MIG 25 (M6)

	23005070	**M6** Contact tip · **Ø 0,6 mm** lots of 20 pcs	
	23005038	**M6** Contact tip · **Ø 0,8 mm** lots of 20 pcs	
	23005039	**M6** Contact tip · **Ø 1,0 mm** lots of 20 pcs	
	23005040	**M6** Contact tip · **Ø 1,2 mm** lots of 20 pcs	
	23005112	**M6** Contact tip - · **Ø 1,6 mm** lots of 20 pcs	
	23005036	Gas nozzle · **Ø 15 mm** lots of 10 pcs	
	23005037	Spot welding nozzle lots of 10 pcs	
	23005034	Gas diffuser · lots of 10 pcs	
	23005562	Brass wire inlet tube **Ø 4,4 x 5** mm · L = **150** mm	

TORCHES 23000494 - 23000495 · MIG 25 (M8)

	23005442	**M8** Contact tip **M8** · **Ø 0,8 mm** lots of 10 pcs	
	23005443	**M8** Contact tip **M8** · **Ø 1,0 mm** lots of 10 pcs	
	23005447	**M8** Contact tip **M8** · **Ø 1,2 mm** lots of 10 pcs	
	23005036	Gas nozzle · **Ø 15 mm** · lots of 10 pcs	
	23005037	Spot welding nozzle · lots of 5 pcs	
	23005444	Gas diffuser · lots of 10 pcs	
	23005562	Brass wire inlet tube **Ø 4,4 x 5** mm · L = **150** mm	

MIG/MAG · ALUMINUM KIT FOR MIG TORCH 23000494

04600384	23005443	Contact tip **Ø 1,0** mm · **M8** · AL	-
	23005444	Gas diffuser for MIG torch Ergo Plus 25 · **M8**	
	23005490	Wire liner · Grey · **Graphite** **Ø 1,0 - 1,2** mm · **3,5** m · brass terminal	
	23005562	Brass wire inlet tube **Ø 4,4 x 5** mm · L = **150** mm	

MIG/MAG · SPARE PARTS · WIRE LINERS

23005025	Wire liner · **Ø 0,8 - 1,0** mm · **3,3** m · **Steel** · Blue	Torch 15	
23005041	Wire liner · **Ø 1,0 - 1,2** mm · **3** m · **Steel** · Red	Torches 25	
23005106	Wire liner · **Ø 1,0 - 1,2** mm · **5** m · **Steel** · Red	Torch 25	
23005111	Wire liner · **Ø 1,2 - 1,6** mm · **5** m · **Steel** · Yellow	Torch 25	
23005035	Wire liner · **Ø 1,0 - 1,2** mm · **3,3** m · **Teflon** · Red · for Stainless steel	Torch 25	
23005135	Wire liner · **Ø 1,0 - 1,2** mm · **5,3** m · **Teflon** · Red · for Stainless steel	Torch 25	
23005586	Wire liner · **Ø 1,0 - 1,2** mm · **3,5** m · **Graphite** · Grey · for Aluminium	Torch 25	

MIG/MAG · DRIVE ROLLS FOR PLASTIC WIRE FEEDERS

	33805074	Drive roll · for steel and stainless steel **0,6 - 0,8/0,9** mm · **Ø 25** mm · Knurled	Mini-Fox 161 Fox 165	
	33805023	Drive roll · for steel and stainless steel **0,6 - 0,8/0,9** mm · **Ø 30** mm · tempered	Fox 191	
	33805128	Drive roll · for aluminium **0,8 - 1,0** mm · **Ø 30** mm	Fox 191	

MIG/MAG · DRIVE ROLLS FOR METALLIC WIRE FEEDERS

	33805007	Wire block roll **Ø 30** mm · lots of 5 pcs	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805003	Drive roll · for steel and stainless steel **0,6 - 0,8** mm · **Ø 30** mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805071	Drive roll · for steel and stainless steel **0,6 - 0,9** mm · **Ø 30** mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805101	Drive roll · for steel and stainless steel **0,8 - 1,0** mm · **Ø 30** mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805005	Drive roll · for steel and stainless steel **1,0 - 1,2** mm · **Ø 30** mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805067	Drive roll · for Flux core **1,0 - 1,2** mm · **Ø 30** mm · Knurled	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805104	Drive roll · for aluminium **0,8 - 1,0** mm · **Ø 30** mm	Fox 185 - 211 Puma 191 - 256 - 278 - 298	
	33805115	Drive roll · for aluminium **1,0 - 1,2** mm · **Ø 30** mm	Puma 278 - 298	

MIG/MAG · WELDING WIRE REELS Ø 300 mm

	21910006	SG2 · Copper coated steel wire · **Ø 0,6** · **15 Kg**	
	21910007	SG2 · Copper coated steel wire · **Ø 0,8** · **15 Kg**	
	21910008	SG2 · Copper coated steel wire · **Ø 1,0** · **15 Kg**	
	21910025	SG2 · Copper coated steel wire · **Ø 1,2** · **15 Kg**	
	21910013	308 LSI · Stainless steel wire · **Ø 0,8** · **15 Kg**	
	21910026	Aluminium wire · **Ø 0,8** · **7,2 Kg**	

MIG/MAG · WELDING WIRE REELS Ø 200 MM

	21910003	SG2 · Copper coated steel wire · **Ø 0,6** · **5 Kg**	
	21910004	SG2 · Copper coated steel wire · **Ø 0,8** · **5 Kg**	
	21910005	SG2 · Copper coated steel wire · **Ø 1,0** · **5 Kg**	
	21910090	SG3 · Copper coated steel wire · **Ø 0,8** · **5 Kg**	
	21910083	308 LSI · Stainless steel wire · **Ø 0,8** · **5 Kg**	
	21910084	316 LSI · Stainless steel wire · **Ø 0,8** · **5 Kg**	
	21910082	AlMg5 (5356) · Aluminium wire · **Ø 0,8** · **2 Kg**	
	21910086	AlMg5 (5356) · Aluminium wire · **Ø 1,0** · **2 Kg**	
	21910092	AlMg5 (5356) · Aluminium wire · **Ø 1,2** · **2 Kg**	
	21910081	AlSi5 (4043) · Aluminium wire · **Ø 0,8** · **2 Kg**	
	21910085	AlSi5 (4043) · Aluminium wire · **Ø 1,0** · **2 Kg**	
	21910093	AlSi5 (4043) · Aluminium wire · **Ø 1,2** · **2 Kg**	
	21910075	$CuSi_3$ wire · **Ø 0,8** · **2 Kg**	
	21910087	$CuSi_3$ wire · **Ø 0,8** · **5 Kg**	
	21910014	Flux-cored wire · **Ø 0,9** · **4,5 Kg**	

MIG/MAG · SPOOL HOLDER

	21690880	Spool holder Ø **50** mm Adaptor for metallic coils	

MIG/MAG · GAS WELDING

	21900010	MisterWork disposable gas bottles Argon · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	21900011	MisterWork disposable gas bottles MIX C8 Argon/CO_2 · 14 lt · 60 bar Average welding time: ± 70/75 min	M10 Thread	
	21900030	MisterWork PRO gas bottles - High quality disposable · Argon · 14 lt · 60 bar Average welding time: ± 70/75 min **Compressed Argon 5.0 with purity >99,999%**	M10 Thread	
	21900031	MisterWork PRO gas bottles - High quality disposable · MIX C8 Argon/CO_2 · 14 lt · 60 bar Average welding time: ± 70/75 min **High-precision pure gas mixtures**	M10 Thread	
	22905114	Zero compensated Argon flowmeter regulator	Italy / England	
	22905111	Pressure regulator Argon double stage with flowmeter	Italy / England	
	22905090K	Pressure regulator ECO mini CO_2 + gas bottle adaptor Argon / CO_2	Italy / England	
	22905029K	Pressure regulator Maxi CO_2 + gas bottle adaptor Argon / CO_2	Italy / England	
	22905118	Pressure regulator Micro · 130 bar · for disposable cylinders	M10 Thread	
	22905115K	Pressure regulator for disposable cylinders	M10 Thread	
	22910140	Gas bottle adaptor M10 thread · only for CO_2 regulators	M10 Thread	

PLASMA CUTTING ACESSORIES

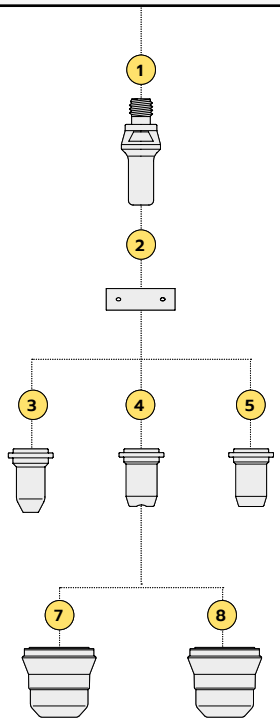
PLASMA CONSUMABLES' BLISTER TYPE

PLASMA CUTTING MANUAL TORCH

Suitable for:	COMBI PC 302K	99830015
PT 40C	40 A - 4m - Direct connect.	23010067
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 7		

Suitable for:	PC 33	99830024
PT 40	40 A - 4m - Direct connect.	23010070
Mounted consumables KIT (Pos.): 1 · 2 · 4 · 8 - for PC 33		

Cutting
40 A



SPARE PARTS / CONSUMABLES

Pos.	Description	Quantity	Part number	Price
1	Electrode	10 pz	**23015187BH**	
2	Gas diffuser	5 pz	**23015179BH**	
3	Tip 10/20 A	10 pz	**23015189BH**	
4	Tip 20/30 A	10 pz	**23015186BH**	
6	Contact tip 30 A	10 pz	**23015349BH**	
7	Retaining cap · 2 holes (compressor)	1 pz	**23015182BH**	
8	Retaining cap · 6 holes	1 pz	**23015188BH**	
9	Retaining cap	1 pz	**23015347BH**	
10	Shield cap	2 pz	**23015348BH**	

COMPASS KIT

	23015211	

GENERAL ACCESSORIES

TROLLEYS

	GALILEO TIG 211 Easy AC/DC	FOX 165	FOX 185	FOX 191	FOX 211
TROLLEY 1		•	•	•	•
TROLLEY 2 · HD AIR	•	•	•	•	•

TROLLEY 1

Dimensioni (LxWxH)	520 x 450 x 1060 mm
Scatola	1065 x 300 x 365 mm
Codice	**9990171A**

TROLLEY 2 · HD AIR

Dimensioni (LxWxH)	950 x 435 x 975 mm
Scatola	1065 x 300 x 365 mm
Codice	**99900258A**

GENERAL ACCESSORIES

HELVI BAGS

	21905178K	Helvi bag M Dim. 450x220x270 mm	Sparc Range Jet Range Galileo Range	
	21905139K	Helvi bag XL Dim. 540x225x250 mm	Galileo TIG 219 HF	

WELDING STATION

	99900309	Welding station	

GENERAL ACCESSORIES

BLISTER

N.B. · Price shown applies to a 5 blister pack

	21915002B5	Electrode blister · **Rutile** · **2,0** mm · **30** pcs/blister · sold in **5 blister pack**	
	21915003B5	Electrode blister · **Rutile** · **2,5** mm · **20** pcs/blister · sold in **5 blister pack**	
	21915006B5	Electrode blister · **Rutile** · **3,25** mm · **15** pcs/blister · sold in **5 blister pack**	
	21910109B5	Wire reel blister · **Flux Core** · ∅ **0,9** mm · **1,0** Kg · sold in **5 blister pack**	
	21910108B5	Wire reel blister · **Steel SG2** · ∅ **0,8** mm · **1,0** Kg · sold in **5 blister pack**	
	21910047B5	Wire reel blister · **AlMg5 5356** · ∅ **0,8** mm · **0,5** Kg · sold in **5 blister pack**	
	21910088B5	Wire reel blister · **AlSi5 4043** · ∅ **0,8** mm · **0,5** Kg · sold in **5 blister pack**	
	21910089B5	Wire reel blister · **AlSi5 4043** · ∅ **1,0** mm · **0,5** Kg · sold in **5 blister pack**	
	21910111B5	Wire reel blister · **Inox 308L Si** · ∅ **0,8** mm · **0,5** Kg · sold in **5 blister pack**	
	21910056B5	Wire reel blister · **CuSi3** · ∅ **0,8** mm · **0,9** Kg · sold in **5 blister pack**	

GENERAL ACCESSORIES

MAGNETIC HOLDERS

	21905123	Arrow magnetic holder · holds up to 22 Kg	
	21905124	Arrow magnetic holder · holds up to 34 Kg	
	21905140	Magnetic holder with ON/OFF function · holds up to 40 Kg	
	21905141	Adjustable magnetic holder · holds up to 12 Kg	
	21905142	Adjustable magnetic holder XL · holds up to 15 Kg	
	21905199	90° Magnetic holder · holds up to 15 Kg	
	21905200	Magnetic angle clamp	
	21905201	Multifunction MIG pliers	
	21905173	Magnetig MIG torch holder · BLUE	
	21905174	Magnetic TIG torch holder · YELLOW	
	21905175	Magnetic MMA torch holder · RED	

MERCHANDISING

	77920013	Helvi **PENS** Available in different colors:	
	77920015	Helvi **T-SHIRTS** color **BLACK**	
	77920016	Helvi **SHOPPERS** color **BLACK**	
	77920017	Helvi **CAPS** color **BLACK**	

DEALER KIT

	99900181K	Metallic product display 1950x785x540 mm	
	99900293	Carton product display 1540x440x420 mm	
	77920025	**ROLL UP** Helvi ITALIAN • 80x200 mm	
	77920026	**ROLL UP** Helvi ENGLISH • 80x200 mm	
	77920027	Helvi **PVC BANNER** 100x200 mm	

FEATURES LEGEND

	European conformity		Regulation of energy efficiency		Display for parameter visualization
	Multitension (110V - 230V)		Air cooling		Direct current welding
	Alternating current welding		No-load voltage reduction		Sustem that allows reduction of electricity consumption
	Possibility of use with power generators		Unstable line voltage compensation		25mm² connection
	Suitable for heavy duty				

	MMA electrode welding		Arc force function (avoids electrode sticking during welding)		Hot Start function (Makes starting the arc easier)
	Anti sticking function		Adjustable Hot Start parameters		

	TIG welding		TIG Lift arc (contact)		TIG HF start (at distance)
	TIG Pulse		Possibility to set all TIG parameters		Facilitate welding parameters adjustments

	MIG/MAG welding		Spool wire capacity 1Kg max		Spool wire capacity of 1 to 5 Kg max
	Spool wire capacity of 5 to 15 Kg max		MIG welding Gas / No gas (flux core)		2 rolls metallic wire feeder
	2 rolls plastic wire feeder		4 rolls metallic wire feeder		Synergic regulation

	Plasma cutting		Pneumatic torch		Compressor included

NOTES

TRADING TERMS & CONDITIONS

Art. 1 Contract formation.
Any order from the Buyer shall be binding for HELVI SPA, only when accepted in writing by HELVI SPA itself.
HELVI SPA shall have the right to refuse any amendment requested by the Buyer.
Unless otherwise agreed in writing, HELVI SPA shall not accept any cancellation of orders.

Art. 2 Characteristics of the Products
Catalogues, price lists or other advertising matters are only an indication of the type of products and no prices or other particulars contained herein shall be binding for HELVI SPA. Any information or data relating to technical features and/or specifications of the Products contained in dépliants, price lists, catalogues and similar documents shall be binding only to the extent they are expressly referred to in the contract. All information given in price lists and catalogues or any literature are supplied by HELVI SPA in good faith; however, whilst every effort has been made to ensure that the information is correct, HELVI SPA does not accept any responsibility for errors which may have inadvertently been made. Designs and drawings of machines, wiring diagrams, manuals and graphics and marketing materials are HELVI SPA's property and no one can alter, modify or copy them. At any time, HELVI SPA shall have the right to make any change to the products which appear to be necessary or suitable. The Buyer shall have no right to indemnities or other remedies for such modifications.

Art. 3 Prices.
HELVI SPA shall have the right to increase prices, by prior notice, in accordance to any change of cost of raw materials and labour which may take place between the date of order and the delivery. Unless otherwise agreed, the prices indicated in the quotations and in the contract are EX WORKS Sandrigo (Vicenza-Italy) and include only the packing costs for each single Product. It is agreed that any other cost or charge relating to any other kind of packaging, including customised packaging, shall be for the account of the Buyer.

Art. 4 Payment conditions.
All payments must be made, for the exact amount applied without any detractions and clear of any charges, directly to the head office of HELVI SPA in Sandrigo (Vicenza – Italy), according to the payment conditions agreed upon each time. In addition to the other remedies permitted under the applicable laws, in case of late payment HELVI SPA shall have the right, at its own discretion, to charge delay interests at the current legal rate plus seven per cent, plus cashing, banking and legal expenses. Delay interests shall be due, from due date to the payment without any formal requests. Unless otherwise agreed in writing, any expenses or bank commissions due with respect to the payment shall be for the Buyer's account.

Art. 5 Retention of title.
a) It is agreed that the Products delivered remain HELVI SPA' property until complete payment is received by HELVI SPA. b) The Buyer shall have, according to article 5 a) hereabove, the right to sell the Products, and any new product in which the Products have been converted into other products, in the ordinary course of business on the understanding that the proceeds of any such sale shall belong to HELVI SPA to whom the Buyer shall account such proceeds up to the concurrence of the full price due by the Buyer to HELVI SPA for the supply of the Products. c) HELVI SPA shall have the right at any time to revoke the Buyer's right of sale by written notice to the Buyer, if the Buyer is in default in respect of payment of any sum due to HELVI SPA for longer than 7 (seven) working days (whether in respect of Products or other goods or services supplied by HELVI SPA to the Buyer for any other reason whatsoever). d) On termination of the Buyer's right of sale in accordance with the foregoing conditions, the Buyer must place the Products at the disposal of HELVI SPA who shall have the right to enter upon the Buyer's premises for the purpose of removing the Products. e) The Buyer shall act as a bailee and the Products shall be on its responsibility, according to the articles 1766 and following of Italian Civil Code, until the complete payment is received by HELVI SPA.

Art. 6 Terms of delivery.
Shipments are made carriage paid, using transport means chosen by the Company for net orders exceeding €600.00.* For orders below €600.00, a shipping fee will be charged as follows: Fixed fee of €10.00 for orders up to €199.99, 3.50% fee on the order value from €200.00 to €599.99. Packaging is free of charge unless special packaging is requested. The transfer of risk related to the products occurs upon delivery to the Carrier: consequently, the products travel at the buyer's own risk, even in the case of carriage-paid shipments. *Except for ADR shipments (14L Gas Cylinders)

Art. 7 Complaints
Any complaints relating to packing, quantity, number or exterior features of the products, including transport damages (apparent defects), must be notified to HELVI SPA by a written notice within eight days from receipt of the Products; failing such a notification, the Buyer's right to claim the above defects will be forfeited. It is agreed that any complaints or objections do not entitle the Buyer to suspend or to delay payment of the Products as well as payment of any other supply. HELVI SPA shall not accept any return without HELVI SPA's prior written authorization. Any return of Products not authorized by HELVI SPA shall be shipped back to the Buyer at the Buyer's charge.

Art. 8 Delivery times.
Any date quoted in orders confirmations for delivery of the Products is approximate. In the event of delay, no liability, order cancellation nor penalty shall be accepted by HELVI SPA. HELVI SPA shall endeavour to complete the contract and/or deliver the Products within the time agreed (if any) but it shall not be liable for any loss or damage of any kind whatsoever caused directly or indirectly by any delay in the completion of the contract or delivery of the Products. Any delay caused by force majeur or by acts or omissions of the Buyer (e.g. the lack of indications which are necessary for the supply of the Products), shall not be considered as a delay on HELVI SPA's responsibility. If the Buyer fails to make any payment on the time and in the manner specified by HELVI SPA or becomes insolvent or bankrupt or makes composition with its creditors or has a receiver appointed or passes a resolution for winding up, HELVI SPA shall have, at its own discretion, the right to suspend or cancel further deliveries, to request advanced payments or guarantees.

Art. 9 Force majeur.
Either party shall have the right to suspend performance of its contractual obligations when such performance becomes impossible or unduly burdensome because of unforeseeable events beyond its control, such as strikes, boycotts, lock-outs, fires, war (either declared or not), civil war, riots, revolutions, requisitions, embargo, energy black-outs, delay in delivery of components or raw materials.

Art. 10 Warranty.
HELVI SPA undertakes to remedy any defects, lack of quality or non-conformity of the Products for which it is liable, occurring within the warranty terms, provided such defects have been timely notified in accordance with art. 7. HELVI SPA at its sole discretion may choose whether to repair, replace or refund (totally or partially) the products found to be defective. The guarantee will be valid only if the product is accompanied by an invoice or receipt proving the date of sale with the serial number indicated in writing in the sales document. In the event that it cannot be demonstrated with an invoice or receipt, HELVI SPA reserves the right to apply the standard guarantee of 24 months from the date of the HELVI SPA sales document to the dealer.

WARRANTY TIME PERIODS

36 MONTHS	24 MONTHS	
Transformers Chokes	Rectifiers	Power PCBs Control PCBs
12 MONTHS		
Cooling system Water pump Switches	Contactors Gas valves Mechanical parts	Remote controls Fan motors Wire drive motors Welding masks

WHAT IS NOT COVERED UNDER THIS WARRANTY:

- consumable parts, for instance contact tips, nozzles, welding cables, ground clamps, electrode holders, cable assemblies, wire spools, drive rolls, etc.;
- parts that fail due to normal wear;
- TIG, MIG and PLASMA torches;
- Input cables;
- Gas regulator;
- On-site intervention costs, damage from non-production;
- Products failed due to transport damages, abnormal working conditions, failure to follow HELVI SPA instructions, negligence, lack of maintenance, abnormal or unsuitable supply of electricity, misuse, tampering, alteration and/or repair of the products without HELVI SPA authorization.

WARRANTY EXCLUSIONS

The following cases are excluded from the guarantee and immediately invalidate the validity:
- The warranty will expire if the product has exceeded 36 months of storage;
- Breakages due to incorrect use or neglect;
- Transport damage;
- Wrong connection to the electrical network;
- Overvoltage or undervoltage due to the electricity grid
- Overvoltage or undervoltage due to underpowered, un-stabilized, too old or incorrectly used motor-generators;
- Tampering or Repairs performed by not authorized personnel;
- Removal of labels;
- Failure to pay an instalment or product invoice.

RETURN AUTHORIZATION

The buyer must contact the retailer from whom he purchased the Product or the nearest authorized service center (www.helvi.com), presenting it accompanied by the necessary documentation:

• Legible copy of the invoice or purchase receipt (proving the sales data with the serial number indicated in writing in the sales document).

Failing this documentation the warranty shall be void. In case that the retailer is not available, the buyer can forward the warranty claim directly to:

HELVI S.P.A.
V.le G. Galilei 123, 36066 Sandrigo (VI), Italy
service@helvi.com Ph: +39 0444 666999 Fax: +39 0444 750070

HELVI SPA shall not accept any return without HELVI SPA's prior written authorization. In case of unauthorized returns, HELVI SPA reserves the right to charge a handling fee of 40,00€. If a returned product is found not to be defective, HELVI SPA reserves the right to charge the labour cost of 50,00€/hour for the fault investigation. The warranty is EX WORKS (Incoterms® 2020), Sandrigo (Vicenza, Italy), therefore HELVI SPA shall not pay any transport costs or expenses (whether from the Buyer's premises to HELVI SPA, or from HELVI SPA premises to the Buyer's) which shall be at the Buyer's charge. At the discretion of HELVI SPA, foreign customers may be exempt from returning defective Products if the cost of transportation is execessive.

WARRANTY REPAIR

In the event that a product failure occurs within the warranty period, please contact your nearest authorized dealer or service center (www.helvi.com). At its discretion, HELVI SPA can send spare parts free of charge to the nearest service center to carry out the repair, only after checking with the Helvi Service, who can authorize the repair or not.

Art. 11 Online E-Commerce and use of company logos.
HELVI SPA does not authorize its dealers to promote or sell their products on any online sales platform or website, unless agreed between both parties. The use of registered trademarks without the authorization expressed by HELVI SPA commits a criminal offense sanctioned by the Italian and European legal system (or by the country in which the crime was committed) and as such is punishable by the competent judicial police authorities and punished with the penalties provided for this offense.

Art. 12 Applicable laws – Jurisdiction.
These general terms and conditions and any contract made hereunder with HELVI SPA shall be construed and interpreted in accordance with the substantive laws of Italy. The competent law Court of Vicenza, ITALY, shall have exclusive jurisdiction in any action arising of or in connection with these terms and condition or any contract made with HELVI SPA.. However as an exception to the principle hereabove, HELVI SPA is in any case entitled to bring its action before the competent court of the place where the Buyer has its registered office. The United Nations Conventions for the International Sale of Goods does not apply to any supply of Products made by HELVI SPA to any Buyer.

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We have done our best
to ensure the information in this catalogue is correct.
However, we reserve the right to introduce changes without prior notice.

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www.helvi.com - info@helvi.com

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Price List

Helvi S.p.A.

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www.helvi.com - info@helvi.com

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