

# ESAB LIP EQUIPMENT PRODUCTS CATALOGUE







As fabricators and fabricators' friends, we do some pretty epic work. And none of it would be possible without each and every one of us – the welders, the distributors, the engineers, the tools of the trade. Across the welding and fabrication world, the skills we have and the everyday work we do varies greatly, but our commitment to that work and to how fabrication moves the world forward is a constant that keeps us all reaching for more.

**SKYSCRAPERS.  
MUSCLE CARS.  
WIND TURBINES.  
OIL RIGS.  
GENERAL INDUSTRY.**

Together, **we shape the future** of welding and cutting.

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# // LIP WELDING EQUIPMENT





# HandyArc 168i

Portable and efficient



HandyArc 168i

The new HandyArc 168i welding power source revolutionizes the concept of portable machines. Featuring ESAB's high-tech inverter, it's ideal for blacksmiths and users who need to carry out minor repairs in and out of the workshop.

Wherever you go, the HandyArc 168i is easy to carry and weighs less than 3kg, giving you a whole new experience of portability.

- Practicality - Easy to carry with a shoulder strap and compact enough to fit in tool cabinets and motorcycle trunks.
- Easy-to-use panel - welding parameters can be adjusted according to the electrode diameter.
- Cost effectiveness - high efficiency and low energy consumption.
- Superior performance - excellent welding performance and easy arc striking when used with 6013 electrode.

Visit [esab.com](http://esab.com) for more information.

## Industry

- Blacksmith
- Hobbyist
- Minor Repair
- Welding School



# HandyArc 168i



## Specifications

Mains Voltage	1 ph 220V +/- 10%
Power Frequency	50/60 Hz
Current Range	220 V, 15 - 160 A
Welding Output MMA, 40°C	62 A / 22.5 V @100% 80 A / 23.2 V @ 60% 160 A / 26.4 V @15%
No-load peak voltage	80 V
RMS Voltage	49 V
Maximum Input Effective Current	14.3 A
Maximum Input Current	37 A
Dimensions L x W x H	262 x 114 x 180 mm
Weight (power source only)	2.89 Kg
Operating Temperature	-10 ~ 40°C
Certifications	GB/T 15579.1 & CCC
Enclosure Class	IP21S

## Ordering Information

HandyArc 168i	621156CN
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Delivery includes: HandyArc 168i welding machine / electrode holder/ ground clamp/ shoulder strap/ user instruction.

## Options and accessories

Electrode Holder 200A,16 mm <sup>2</sup> cable, OKC 25, 2.5 m	0447996624
Ground Clamp Kit, 16 mm <sup>2</sup> , OKC 25, 2 m	0447996625

# HandyArc MIG 168i

Portable inverter welding solution



HandyArc MIG 168i

## Industry

- Repair
- Light Industry
- Hobbyist

The HandyArc MIG 168i inverter welding power source is designed for MIG/MAG welding, flux cored wire and electrodes. Its lightweight and portable nature makes it ideal for field and shop maintenance work. The wire feeder supports 5 kg spools up to 0.9 mm in diameter.

The HandyArc MIG 168i is equipped with advanced QuickSet technology, providing users with quick and easy parameter configuration experience. Simply enter the plate thickness and wire diameter on the panel and the welding current and voltage can be automatically adjusted to meet your specific application needs.

- QuickSet: automatically adjust the current and voltage.
- Suitable for welding mild steel and stainless steel base materials.
- Excellent flux-cored wire welding performance.
- The machine is equipped with thermal protection function to prevent damage from overheating.
- Digital current/voltage display: shows the welding current and voltage values.
- Real-time display of welding current once the welding has started.
- Robust and easy to move on site.

Visit [esab.com](http://esab.com) for more information.



# HandyArc MIG 168i



## Specifications

Mains Voltage	220 V $\pm 10\%$ , 1ph, 50/60 Hz
Welding Output MIG/MAG, 40°C	160 A / 22 V @ 15% duty cycle 80 A / 18 V @ 60% duty cycle 62 A / 17.1 V @ 100% duty cycle
Welding Output MMA, 40°C	140 A / 25.6 V @ 15% duty cycle 70 A / 22.8 V @ 60% duty cycle 54 A / 22.2 V @ 100% duty cycle
Current Range MIG/MAG	30 - 160 A
Current Range MMA	10 - 140 A
Maximum Input Current	27 A
Maximum Input Effective Current	12.1A
Open Circuit Voltage	82 VDC (<35 with VRD activated)
Rated KVA	9.0 kVA
Enclosure Class	IP21S
Operating Temperature	-10 ~ +40 °C
Dimensions L x W x H	439 x 206 x 308 mm
Certifications	GB/T 15579.1 & CCC
Weight	10.2 kg

## Ordering Information

HandyArc MIG 168i	0700734010CN
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Delivery includes: power source, MIG gun 3 m, work lead 2 m with clamp, cored wire feed roller 0.8/0.9mm groove (fitted) and feed roller 0.6/0.8 mm V groove, contact tip 0.6 & 0.8 (fitted) & 0.9 mm, shoulder strap, and user instruction.

## Options and accessories

Electrode Holder 200A, 16 mm <sup>2</sup> cable, OKC 25, 2.5 m	0447996624
Ground Clamp Kit, 16 mm <sup>2</sup> , OKC 25, 2 m	0447996625
MIG Gun Euro Connector 3 m (MIG 15)	0447996626
Contact Tip 0.6 mm (MIG 15)	0447996627
Contact Tip 0.8 mm (MIG 15)	0447996628
Contact Tip 0.9 mm (MIG 15)	0447996629
Feed Roller, $\Phi 0.6\text{--}0.8$ mm V (5KGSSJ-C)	0447996630
Feed Roller, $\Phi 0.8\text{--}0.9$ mm VK (5KGSSJ-C)	0447996631
Nozzle (MIG 15)	0447996632

# Rogue ES 208iP

More than just the basics



Rogue ES 208iP

## Industry

- Workshop
- Steelworks
- Construction
- General Manufacturing
- Minor Maintenance
- Outdoor Work



Control panel with bright display

The ESAB Rogue ES 208iP welding power source has become the new star of ESAB Rogue family with its unique modern design, extremely robust construction and advanced technology.

The Rogue ES 208iP welding power source is suitable for a wide range of welding jobs. It delivers outstanding performance whether outdoors, in the workshop, or in the factory. Like all other ESAB equipment, the Rogue ES 208iP power source adheres to strict quality standards and global standards.

- 220V single-phase welding power source
- Bright digital display easy to read even from a distance with glove-friendly adjustment knob
- Tested and certified according to most stringent global quality standards: shock test, drop test, duty cycle test, durability test, extreme high and low temperature test to ensure a longer equipment lifetime
- The panel is made of special composite materials with fall resistance and fire retardant properties
- Ergonomic, ultra-wear-resistant handles for greater mobility and comfort as well as safety
- Suitable for all electrodes up to 4 mm in diameter, including the cellulose electrodes E6010/E6011 (OK PipeWeld 6010 and OK 22.45) and E7018 (OK 48.04), with an easy-to-start, consistent and soft arc for excellent welding performance
- TIG welding with LiftArc technology for smooth arc striking, suitable for thin plate welding
- Adjustable Hot Start – facilitates arc striking and prevent the electrodes from sticking to the workpiece
- Adjustable Arc Force – automatically adjusts arc stability to ensure a stable welding process
- Features MMA and TIG pulse function for thin plate and vertical down welding. The MMA pulse function improves slag removal while reducing spatter, and delivers a quality weld appearance

Visit [esab.com](http://esab.com) for more information.

# Rogue ES 208iP



## Specifications

Mains Voltage	1Φ 220 V +/- 10%
Power Frequency	50/60 Hz
Output Current	200 A
Current Range	SMAW: 20 A / 20.8 V - 200 A / 28 V GTAW: 10 A / 10.4 V - 200 A / 18 V
Welding Output MMA (SMAW), 40°C	200 A @ 25%, 28 V 129 A @ 60%, 25.2 V 100 A @ 100%, 24 V
Welding Output TIG (GTAW), 40°C	200 A @ 25%, 18 V 129 A @ 60%, 15.2 V 100 A @ 100%, 14 V
No-load Voltage	63 V (< 25 V when VRD activated)
Maximum Input Effective Current	23 A
Maximum Input Current	45 A
Dimensions L x W x H	403 x 153 x 300 mm
Weight	8.1 kg
Operating Temperature	-10 ~ 40°C
Certifications	GB/T 15579.1 & CCC
Enclosure Class	IP23S

## Ordering Information

Rogue ES 208iP	0705002004
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Delivery includes: welding power source, electrode holder with 3m welding cable, grounding clamp with 3m welding cable, and shoulder strap.

## Options & Accessories

Electrode holder Tweco 200A, 16 mm <sup>2</sup> cable, 3 m, OKC50	0700401424
Grounding clamp cable set, OKC50, 16 mm <sup>2</sup> , 3 m	0447997930
SR-B 17V gas-cooled torch, OKC 50, 4 m	0700025514
SR-B 17V gas-cooled torch, OKC 50, 8 m	0700025515
SR-B 26V gas-cooled torch, OKC 50, 4 m	0700025522
SR-B 26V gas-cooled torch, OKC 50, 8 m	0700025523

# Rogue ET 208iP

Redefine the concepts of DC TIG welding



Rogue ET 208iP

## Industry

- Food & Beverage
- Repair and Maintenance
- General
- Manufacturing
- Refrigeration
- Automotive Industry



Control panel with bright display



Torch with current control

Rugged and durable with unprecedented performance, the Rogue ET 208iP power source delivers exceptional arc characteristics, whether in TIG HF, Lift TIG or MMA mode.

Ready for any job, anywhere, this equipment has been designed to withstand the toughest conditions, delivering a perfect result every time.

Compact, durable and having been tested under the toughest conditions, it has all the features needed for top-quality DC TIG welding: pre and post gas flow, start current, slope up and slope down, final current and 2T or 4T modes.

Rogue ET 208iP also has a pulsed function with a frequency of 0.2 Hz to 500 Hz for precise heat input control.

In MMA mode, the operator can adjust hot start and arc force separately, and it also supports MMA pulse function with optional settings specifically for E6010/6011 cellulosic electrodes.

All of these functions are adjusted via a simple and intuitive panel.

- **Excellent high - frequency arc striking** ensures no failure or contamination of the workpiece and tungsten electrode, delivering superior arc characteristics and stable performance.
- **Pulse frequency up to 500 Hz** for unparalleled heat input control, incredible for welding very thin stainless steel sheets.
- **Easy to use** - Simple and intuitive parameter setting, even when using advanced functions.
- **Advanced TIG Controls** - Precise control from start to finish for optimum results in any application.
- **Robust IP23S design** - designed for both factory and field applications with special impact and flame resistant compounds.
- **Ready to use** - TIG torch with current control, work clamp, hose and starter kit of consumables. Visit [esab.com](http://esab.com) for more information.

# Rogue ET 208iP



## Specifications

<b>Mains Voltage / Frequency</b>	1Ø 220 V +/- 10%, 50/60 Hz
<b>Max. Output Current</b>	200 A
<b>Idle Power</b>	30 W
<b>No-load Voltage</b>	63 V (< 25 V when VRD activated)
<b>Welding Output MMA (SMAW), 40°C</b>	200 A / 28.0 V @ 25% 129 A / 25.2 V @ 60% 100 A / 24.0 V @ 100%
<b>Welding Output TIG (GTAW), 40°C</b>	200 A / 18.0 V @ 25% 129 A / 15.2 V @ 60% 100 A / 14.0 V @ 100%
<b>Welding Output MMA</b>	20 A / 20.8 V 200 A / 28 V
<b>Current Range</b>	10 - 200 A
<b>Maximum Input Effective Current</b>	23 A
<b>Maximum Input Current</b>	45 A
<b>Operating Temperature</b>	-10 ~ +40°C
<b>Enclosure Class</b>	IP23S
<b>Certifications</b>	GB/T 15579.1 & CCC
<b>Dimensions L x W x H</b>	403 x 153 x 264 mm
<b>Weight</b>	8.8Kg

## Ordering Information

Rogue ET 208iP	0705002005
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Delivery includes: welding power source (with 3m input cable), SR-26F TIG torch kit (4m) with remote control and flexible neck (including 2 sets of torch consumables – 1.6 and 2.4mm), grounding clamp with 3m welding cable, 4m gas hose, 2\* hose clamps, and shoulder strap.

## Options & Accessories

Electrode holder TWECO 200A, OKC50, 16 mm <sup>2</sup> cable, 3m	0700401424
Grounding clamp cable set, OKC50, 16 mm <sup>2</sup> , 3 m	0447997930
TIG SR-26F torch kit with remote control and flexible neck, 4m	0464691002

See the next page for a complete list of consumables for the torch TIG SR-26F.

# SR-26 Consumables

SR-26 torch nozzle, collet, collet body and Jumbo nozzle.

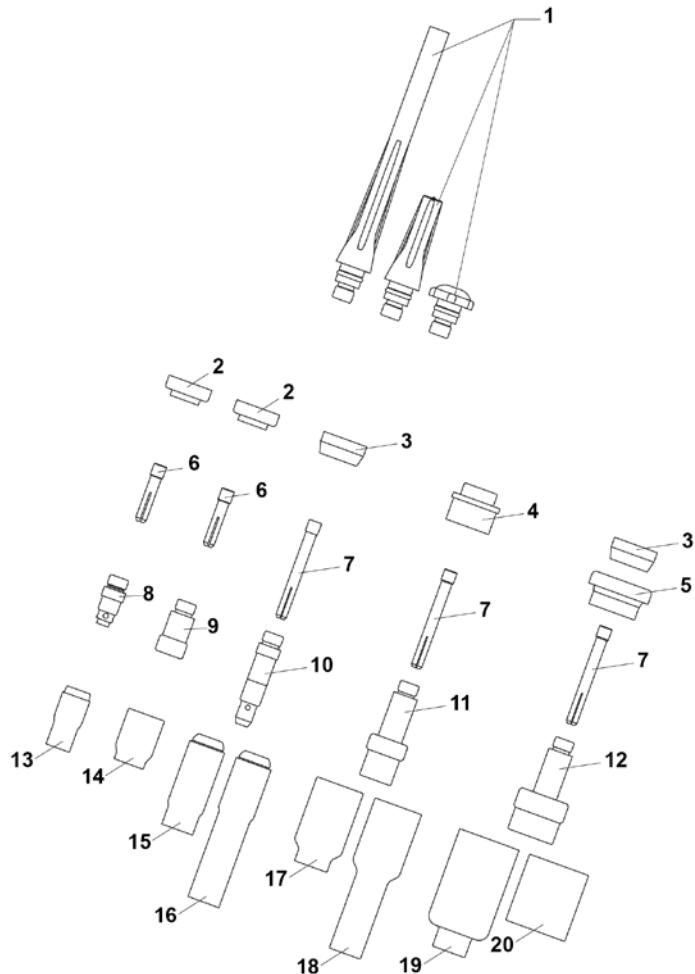


Ordering Information SR-26			
No.	Size	Description	Part Number
1	Long	Back cap	0157123029
	Medium		0588000591
	Short		0157123028
2		Heat shield small	0700025680
3		Heat shield	0366960016
4		Heat shield gas lens	0366960020
5		Heat shield large gas lens	0366960021
6	Ø 1.0	Collet standard short	0349501216
	Ø 1.6		0349501217
	Ø 2.4		0349501218
	Ø 3.2		0349501219
7	Ø 0.5	Collet standard	0157123009
	Ø 1.0		0157123010
	Ø 1.6		0157123011
	Ø 2.0		0700025681
	Ø 2.4		0157123012
	Ø 3.0		0700025682
	Ø 3.2		0157123013
	Ø 4.0		0157123014
8	Ø 1.0-1.6	Collet body short	0700025683
	Ø 2.0-2.4		0700025684
	Ø 3.0-3.2		0700025685
9	Ø 1.0-1.6	Collet body with gas lens, short	0700025686
	Ø 2.4		0700025687
	Ø 3.2		0700025688
10	Ø 0.5-1.6	Collet body standard	0157123016
	Ø 2.0-2.4		0157123017
	Ø 3.0-3.2		0157123018
	Ø 4.0		0157123019
	Ø 1.0	Collet body with gas lens	0157123021
11	Ø 1.6		0157123022
	Ø 2.0-2.4		0157123023
	Ø 3.0-3.2		0157123024
	Ø 4.0		0157123025
	Ø 1.0	Collet body with jumbo gas lens	0157123083
12	Ø 1.6		0157123084
	Ø 2.0-2.4		0157123085
	Ø 3.0-3.2		0157123086
	Ø 4.0		0588000087

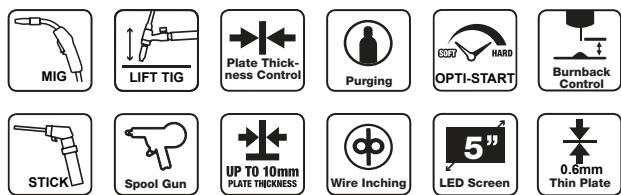
订购信息 SR-26			
编号	尺寸	描述	料号
13	Ø 6.4 (No.4)	Gas nozzle	0365310044
	Ø 8.0 (No.5)	L=30 mm	0365310045
	Ø 9.8 (No.6)		0365310046
	Ø 11.2 (No.7)		0365310047
	Ø 12.7 (No.8)		0365310048
	Ø 15.9 (No.10)		0588000440
14	Ø 6.4 (No.4)	Gas nozzle for gas lens, short	0157121032
	Ø 8.0 (No.5)		0157121033
	Ø 9.8 (No.6)	L=25.5 mm	0157121034
	Ø 11.2 (No.7)		0157121039
	Ø 12.7 (No.8)		0157121040
15	Ø 6.4 (No.4)	Gas nozzle standard	0157123052
	Ø 8.0 (No.5)	L=47 mm	0157123053
	Ø 9.8 (No.6)		0157123054
	Ø 11.2 (No.7)		0157123055
	Ø 12.7 (No.8)		0157123056
	Ø 15.9 (No.10)		0588000442
	Ø 19 (No.10)		0588000441
16	Ø 6.4 (No.4)	Gas nozzle standard	0700025689
	Ø 8.0 (No.5)	L=76 mm	0700025690
	Ø 9.8 (No.6)		0700025691
	Ø 11.2 (No.7)		0700025692
17	Ø 6.4 (No.4)	Gas nozzle for gas lens	0157123057
	Ø 8.0 (No.5)		0157123058
	Ø 9.8 (No.6)	L=42 mm	0157123059
	Ø 11.2 (No.7)		0157123060
	Ø 12.7 (No.8)		0157123061
18	Ø 17.5		0588000439
	Ø 6.4 (No.4)	Gas nozzle for gas lens	0700025693
	Ø 8.0 (No.5)		0700025694
	Ø 9.8 (No.6)	L=76 mm	0700025695
	Ø 11.2 (No.7)		0700025696
19	Ø 12.7 (No.8)		0700025697
	Ø 9.8 (No.6)	Gas nozzle for gas lens, large	0157123088
	Ø 12.5 (No.8)		0157123089
	Ø 15.9 (No.10)	L=48mm	0588000438
	Ø 19 (No.12)		0157123098
20	Ø 24		0588000437
	Ø 24	Gas nozzle for gas lens, short	0700025679
		L=34 mm	

# SR-26 Consumables

SR-26 torch nozzle, collet, collet body and Jumbo nozzle.



# Rogue EMP 208iP



The Rogue EMP 208iP is the machine for the welding enthusiast, tradesperson or professional who need to fabricate and weld light structures that require TIG-Like welds on Aluminum, Stainless Steel, Bronze or Steel projects, but need the welding speed and ease-of-use of the MIG Process. It is suitable for use at maintenance departments, farm/home workshops, jobsites and marine repair /service centers without compromising on price for excellent results!

With the avid welder in mind, ESAB have introduced “Opti-Start”, a feature that allows the user to customize their arc starting characteristics through Soft and Hard Start controls.

## Easy to set for professional results

- QuickSet Plate Thickness Settings, allow simple set-up in a flash.
- Aluminum Pulse MIG Welding delivers excellent thin metal welding results that can be customized to allow adjustable ripple spacing (dimes) to achieve MIG-Welds that look like TIG-Welds.
- You can weld most metals including Mild Steel, Stainless Steel, Aluminum and Bronze.
- Fine tuning of Pre-Set Wire Speed & Volts / Full control over manual settings
- Recommended MIG & TIG welding thickness range: 0.6 mm – 12 mm
- Recommended STICK welding thickness range: 1.6 mm – 16 mm
- Spool Gun compatible, great for Aluminum welding (spool gun sold separately)
- Welding wire size selection & metal/material selection
- Suitable for 100 mm and 200 mm diameter spools
- MIG Gasless and MIG Gas Shielded
- Factory settings reset feature

Visit [esab.com](http://esab.com) for more information.

# Rogue EMP 208iP



## Specifications

Mains Voltage	220 V ± 10%, 1 ph, 50/60 Hz
Minimum Single-phase Generator Recommendation	12 kVA (at 0.8 power factor) @ max. current
Current Range (MMA)	10 - 195 A
Current Range (TIG)	10 - 200 A
Voltage Range (MIG)	10 - 27 V
Welding Output MIG (GMAW) @ 40°C, 10 minutes	200 A @ 15% duty cycle 100 A @ 60% duty cycle 77 A @ 100% duty cycle
Welding Output TIG (GTAW) @ 40°C, 10 minutes	200 A @ 15% duty cycle 100 A @ 60% duty cycle 77 A @ 100% duty cycle
Welding Output STICK (MMAW) @ 40°C, 10 minutes	195 A @ 10% duty cycle 80 A @ 60% duty cycle 62 A @ 100% duty cycle
Rated Open Circuit VDC in MIG Mode	67 V
Rated Open Circuit Voltage in STICK Mode (VRD activated)	<35 V
Power Source Weight	15.5 kg
Power Source Dimensions L x W x H	590 x 220 x 385 mm
Certifications	GB/T 15579.1 & CCC
Enclosure Class	IP23S

## Ordering Information

Rogue EMP 208iP	W1400200CN
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Delivery includes: CMGBZ24E3 MIG gun (3 m - Euro quick connector, with aluminum liner, plus an additional spare steel liner for hard wire), work clamp (w/ 3 m lead), 3 feed rollers: 0.8/0.9mm VK groove (for cored wire), 0.9/1.0mm U groove (for soft wire, fitted), 0.8/0.9mm V groove (for solid wire), yellow nylon inlet guide (for soft alloy wire) and spring steel inlet guide (for hard wire), and instruction manual.

## Options and accessories

Electrode Holder, Tweco 200A, OKC50, 16 mm <sup>2</sup> , 3 m	0700401424	Contact Tip 0.6 mm M6 L: 28 mm 10 pcs	BZT6806
Grounding clamp cable set, OKC50, 16 mm <sup>2</sup> , 3 m	0447997930	Contact Tip 0.8 mm M6 L: 28 mm 10 pcs	BZT6808
MIG Gun CMGBZ24E3 Euro Connector 3 m	W52BR24E3	Contact Tip 0.9 mm M6 L: 28 mm 10 pcs	BZT6809
Tweco SGT250 Spool Gun	W4011250	Contact Tip 1.0 mm M6 L: 28 mm 10 pcs	BZT6810
SR-B 17V Torch, Air, OKC 50, 4 m	0700025514	Contact Tip 1.2 mm M6 L: 28 mm 10 pcs	BZT6812
SR-B 17V Torch, Air, OKC 50, 8 m	0700025515	Contact Tip Holder, 2 pcs	BZH24M6
SR-B 26V Torch, Air, OKC 50, 4 m	0700025522	Feed Roller, Ø0.6-0.8 mm V groove	FR302210V0608
SR-B 26V Torch, Air, OKC 50, 8 m	0700025523	Feed Roller, Ø0.8-0.9 mm V groove	FR302210V0809
TIG Foot Control, 7 m	W4015825	Feed Roller, Ø1.0-1.2 mm V groove	FR302210V1012
Tapered Nozzle, Ø10 mm, 2 pcs	BZN2410	Feed Roller, Ø0.8-0.9 mm VK groove	FR302210K0809
Conical Nozzle, Ø13 mm, 2 pcs	BZN2413	Feed Roller, Ø0.8-0.9 mm U groove	FR302210U0809
Cylindrical Nozzle, Ø17 mm, 2 pcs	BZN2417	Feed Roller, Ø1.0-1.2 mm U groove	FR302210U1012
Nylon Inlet Guide	W7007384	Wire Conduit (Steel) 0.6-0.9 mm, 5.1 m	CML5K0609
Spring Steel Inlet Guide	W7007437	Wire Conduit (Steel) 0.9-1.2 mm, 5.1 m	CML5K0912
		Wire Conduit (Aluminum) 0.9-1.6 mm, 4.5 m	CML5K0916A

# Rogue ET 230iP AC/DC

Advanced features, delivered simply



The Rogue ET 230iP AC/DC is a superior, portable, professional AC/DC welding machine that provides a high-quality solution for welding jobs. It offers extended adjustable parameter options to excel at everyday aluminium, stainless steel and carbon steel welding, while being able to tackle a wide range of thicknesses including very thin plates. The 5 in. color display and new graphical user interface provide an intuitive, easy-to-adjust features that puts users in control of their welding parameters. Durable housing design combines robustness and functionality with multiple lift points for easy manoeuvrability in both workshop and field applications.

- Various AC waveforms (square, soft square, sinusoidal and triangle) for optimal energy transfer.
- DC pulse up to 200 Hz for increased control of heat input and weld pool.
- PFC circuit ensures a stable arc, even with extra-long input cables up to 100 m.
- Easy-to-use 5 in. TFT panel reduces operation time of the users
- Dual-current mode in 4T2 mode allows easy switching between two welding parameters (heat input) for better control of the heat input and the size of the weld pool
- Easy access to saved welding parameters by torch trigger
- Simple connection to the water tank with only a Torex 25 screwdriver
- 2Pin/8Pin interface, compatible with all ESAB TIG torches
- New Coolmini3 water tank option helps maintain equipment temperature

Visit [esab.com](http://esab.com) for more information.



Optional remote control

# Rogue ET 230iP AC/DC



## Specifications

Mains Voltage	115/220 VAC±15%, 1 PH, 50/60 Hz	
Rated KVA	3.3 KVA (115 VAC) 6 KVA (220 VAC)	
Energy Save Mode	<30 W	
Welding Output MMA, 40°C	115 VAC: 90A / 23.6V @ 30% 64A / 22.5V @ 60% 49.3A / 22V @ 100%	220 VAC: 180A / 27.2V @ 30% 127A / 25V @ 60% 99A / 23.9V @ 100%
Welding Output TIG, 40°C	115 VAC: 125A / 15V @ 30% 88.4A / 13.5V @ 60% 68.5A / 12.7V @ 100%	220 VAC: 230A / 19.2V @ 30% 163A / 16.5V @ 60% 126A / 15V @ 100%
Setting Range MMA	115 VAC MMA: 10A / 20.4V – 90A / 23.6V 220 VAC MMA: 10A / 20.4V – 180A / 27.2V	
Setting Range TIG DC	115 VAC TIG: 5A / 10.2V – 125A / 15V 220 VAC TIG: 5A / 10.2V – 230A / 19.2V	
Setting Range TIG AC	115 VAC TIG: 15A / 10.6V – 125A / 15V 220 VAC TIG: 15A / 10.6V – 230A / 19.2V	
Power Factor	0.99	
Open Circuit Voltage	68 VDC / 10VDC with VRD activated	
Enclosure Class	IP23S	
Operating Temperature	-10 to +40°C	
Dimensions L x W x H	460 x 210 x 380 mm	
Certifications	GB/T 15579.1 & CCC	
Weight	19 kg	

## Ordering Information

Rogue ET 230iP AC/DC	A000100351
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Delivery includes: Rogue ET 230iP ACDC: input power cable 3 m, work lead 3 m, and gas hose 4 m.

## Options and accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084	Exeor TIG SR 17 Torch, Air , 4 m	0700026220
Electrode Holder, Tweco 200A, OKC50, 16 mm <sup>2</sup> , 3 m	0700401424	Exeor TIG SR 17 Torch, Air , 8 m	0700026221
Grounding clamp cable set, OKC50, 16 mm <sup>2</sup> , 3 m	0447997930	Exeor TIG SR 17-R Torch, Air , 4 m	0700026234
Foot Control, 4.5 m (15 ft) cable and 8-pin connector	W4014450	Exeor TIG SR 17-R Torch, Air , 8 m	0700026235
Trolley 2-wheel	0460330881	Exeor TIG SR 21 Torch, Water, 4 m	0700026290
CoolMini 3 – water cooler	0448040880	Exeor TIG SR 21 Torch, Water, 8 m	0700026291
SR-B 26 Torch, Air, OKC 50, 4 m	0700025518	Exeor TIG SR 21-R Torch, Water, 4 m	0700026294
SR-B 26 Torch, Air, OKC 50, 8 m	0700025519	Exeor TIG SR 21-R Torch, Water, 8 m	0700026295
SR-B 20 Torch, Water, OKC 50, 4 m	0700025534		
SR-B 20 Torch, Water, OKC 50, 8 m	0700025535		

# Renegade ES 210i

Ultimate durability in portable edition



Renegade ES 210i is a professional single-phase, MMA and Live TIG welding machine with ultra-rugged IP23 housing designed for use in demanding environments. Equipped with a high-quality carry strap with multiple lift points, Renegade ES 210i is ready to move with you when portability is required. Additionally, a built-in PFC circuit provides an uninterrupted power supply, even with long extension cables up to 100 m.

Renegade ES 210i has been designed to weld with a wide range of electrodes in superior weld quality, including 6010 cellulosic. Users can either easily set the parameters, or simply the existing welding parameters with the memory button.

- Ultra-rugged IP23 housing for indoor and outdoor use
- For professional MMA welding with electrodes up to 4 mm with a high output power
- PFC for stable arc even with extra-long mains cable up to 100 m
- A powerful voltage booster provides additional arc voltage for superior cellulosic weld performance
- Easy-to-read and quick-to-set panel, improves accuracy and reduces downtime
- Adjustable Hot Start and Arc Force for optimal arc adjustment
- 3 memory settings for easy access to existing welding parameters

Visit [esab.com](http://esab.com) for more information.



Optional remote control



Control panel

# Renegade ES 210i



## Specifications

Mains Voltage	115/220 VAC ± 15%, 1ph, 50/60 Hz	
Rated KVA	3.3 KVA (115VAC), 6 KVA (220VAC)	
Energy Save Mode	<30 W	
Welding Output MMA	115 VAC: 110A / 24.4V @ 25% 71A / 22.8V @ 60% 55A / 22.2V @ 100%	220 VAC: 180A / 27.2V @ 25% 135A / 25.4V @ 60% 105A / 24.2V @ 100%
Welding Output TIG	115 VAC: 140A / 15.6V @ 25% 90A / 13.6V @ 60% 70A / 12.8V @ 100%	220 VAC: 210A / 18.4V @ 25% 168A / 16.7V @ 60% 130A / 15.2V @ 100%
Setting Range MMA	115 VAC MMA: 5A / 20.2V - 110A / 24.4V 220 VAC MMA: 5A / 20.2V - 180A / 27.2V	
Setting Range TIG	115 VAC TIG: 5A / 10.2V - 140A / 15.6V 220 VAC TIG: 5A / 10.2V - 210A / 18.4V	
Power Factor	0.99	
Open Circuit Voltage	78 VDC	
Enclosure Class	IP23	
Operating Temperature	-10 to +40 °C	
Dimensions	460 x 200 x 320 mm	
Weight	9.9 kg	

## Ordering Information

Renegade ES 210i	0447700882
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Delivery includes: power source, electrode holder cable 3 m, and work lead 3 m.

## Options and accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm <sup>2</sup> , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
TIG Foot Control, incl. 4.5 m cable and 8-pin connector	W4014450
Trolley 2-wheel for Renegade	0460330881
Shoulder strap	0445197880
SR-B 17V Torch, Air, OKC 50, 4 m	0700025514
SR-B 17V Torch, Air, OKC 50, 8 m	0700025515
SR-B 26V Torch, Air, OKC 50, 4 m	0700025522
SR-B 26V Torch, Air, OKC 50, 8 m	0700025523

# Renegade ET 210iP

## Renegade ET 210iP Advanced

Ultimate durability in portable edition



Renegade ET 210iP



Renegade ET 210iP Advanced

### Industry

- Marine & Offshore Industry
- Civil Construction
- Pipe Construction
- Repair & Maintenance
- Heavy fabrication
- Industry & General Fabrication
- Mining
- Steel Erectors

Renegade ET is a professional single-phase, hot start TIG and MMA welding machine. It is designed with industrial-grade IP23 housing, made to stand strong, even in the most demanding environments.

This series of welding machines are lightweight and easy to transport and carry thanks to multiple lift points and a high-quality shoulder strap. They are ready to move with you.

Renegade ET models also have a built-in PFC circuit. Even if you're on a poor power network or using a long extension cable up to 100 m, you can still get consistent welding performance.

Renegade ET is simple to use, as well. It offers direct access to parameter settings and an intuitive, bright interface to easily read them, even from a distance. You can choose between a classic LED user interface or a new, color screen available in Advanced model.

- Ultra-rugged IP23 housing ideal for indoor and outdoor use in demanding environments.
- TIG pulse up to 999 Hz to increase control of heat input and weld pool.
- PFC circuit to ensure a stable arc, even with extra-long mains cables up to 100 m
- Easy-to-read and quick-to-set panel, reduces downtime and improves accuracy
- Dual-current mode trigger allows users to switch between two output current levels to control the heat input and the size of the weld pool
- 4.3 in. color screen provides a visual presentation of parameter adjustment (available in Advanced model)
- Easily handle multiple jobs by torch trigger (available in Advanced model)
- Modular system with tool-less connection to water cooler and trolley

Visit [esab.com](http://esab.com) for more information.



Optional remote control

# Renegade ET 210iP

## Renegade ET 210iP Advanced



### Specifications

Mains Voltage	115/220 VAC ± 15%, 1ph, 50/60 Hz	
Rated KVA	3.3 KVA (115VAC), 6 KVA (220VAC)	
Energy Save Mode	<30 W	
Welding Output MMA	115 VAC: 110A / 24.4V @ 25% 71A / 22.8V @ 60% 55A / 22.2V @ 100%	220 VAC: 180A / 27.2V @ 25% 135A / 25.4V @ 60% 105A / 24.2V @ 100%
Welding Output TIG	115 VAC: 140A / 15.6V @ 25% 90A / 13.6V @ 60% 70A / 12.8V @ 100%	220 VAC: 210A / 18.4V @ 25% 168A / 16.7V @ 60% 130A / 15.2V @ 100%
Setting Range MMA	115 VAC MMA: 5A / 20.2V - 110A / 24.4V 220 VAC MMA: 5A / 20.2V - 180A / 27.2V	
Setting Range TIG	115 VAC TIG: 5A / 10.2V - 140A / 15.6V 220 VAC TIG: 5A / 10.2V - 210A / 18.4V	
Power Factor	0.99	
Open Circuit Voltage	78 VDC	
Enclosure Class	IP23	
Operating Temperature	-10 to +40 °C	
Dimensions	460 x 200 x 320 mm	
Weight	11 kg	

### Ordering Information

Renegade ET 210iP	0447700902
Renegade ET 210iP Advanced	0447750881

Delivery includes: power source, work lead 3 m, and gas hose 4.5 m.

### Options and accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084	Exeor TIG SR 17 Torch, Air , 4 m	0700026220
Electrode Holder, Handy 200 A with 25 mm <sup>2</sup> , 3 m, OKC50	0700006900	Exeor TIG SR 17 Torch, Air , 8 m	0700026221
Return cable kit, OKC 50, 3 m	0700006901	Exeor TIG SR 17-R Torch, Air , 4 m	0700026234
Return cable kit, OKC 50, 5 m	0700006885	Exeor TIG SR 17-R Torch, Air , 8 m	0700026235
TIG Foot Control, incl. 4.5 m cable and 8-pin connector	W4014450	Exeor TIG SR 21 Torch, Water, 4 m	0700026290
Trolley 2-wheel for Renegade	0460330881	Exeor TIG SR 21 Torch, Water, 8 m	0700026291
EC 1001 Cooler	0445045881	Exeor TIG SR 21-R Torch, Water, 4 m	0700026294
Shoulder strap	0445197880	Exeor TIG SR 21-R Torch, Water, 8 m	0700026295
SR-B 20 Torch, Water, OKC 50, 4 m	0700025534	SR-B 26V Torch, Air, OKC 50, 4 m	0700025518
SR-B 20 Torch, Water, OKC 50, 8 m	0700025535	SR-B 26V Torch, Air, OKC 50, 8 m	0700025519

# Renegade VOLT ES 200i

Cordless, battery-powered welder



## 行业应用

- Repair and Maintenance
- Civil Construction
- Agriculture
- Food and Beverage
- Ship and Offshore Yards

- Railcars
- Power Generation
- Marine and Offshore
- Mining
- Transportation

ESAB Renegade VOLT ES 200i is a portable, cordless battery powered, Stick (SMAW) and Live TIG (TIG) welder with the versatility to operate on battery, AC mains, or in hybrid / AMP+ mode.

This cordless welder runs on 6 Ah, 9 Ah, and 12 Ah DeWALT FlexVOLT batteries. The Renegade VOLT provides the power to burn up to 33 (E6013) electrodes on a single charge using four 12 Ah batteries, that are included in the package.\*

Volt is a highly portable and powerful unit perfect for mobile welders operating in remote, offsite, or hard-to-reach locations without easy access to AC mains power.

In hybrid / AMP+ mode, Volt supplements AC mains power with battery power to prevent nuisance trips on smaller breaker sizes (e.g., 10A, 16A) or to provide more output when welding on 120V input.

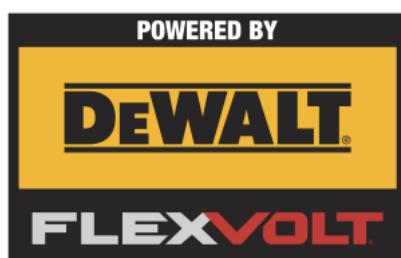
The Renegade VOLT features a rugged industrial design with durable, impact-resistant housing and multiple lift points for easy operation and transport in the field. The bright, intuitive colour-screen user interface is designed for outdoors use, even in direct sunlight and features a battery status display and remaining arc time calculator.

This powerful welder offers the highest arc quality with special features that include hot start, arc force, memory storage, and cellulosic mode (6010) to optimize performance based on application or user preference.

\*based on standard operating conditions

- 200 A output on AC mains (220V)
- Up to 140 A output on battery power
- Includes (4) DeWALT FlexVOLT 18V/54V 12Ah batteries
- AMP+ hybrid mode for extra power
- Lightweight and portable battery powered welder
- Durable, impact-resistant housing
- Sun-friendly, intuitive user interface
- Memory storage for welding parameters

Visit [esab.com](http://esab.com) for more information.



# Renegade VOLT ES 200i



Specifications		
<b>Voltage</b>	120 / 220 VAC ± 15%, 1ph, 50 / 60 Hz	
<b>Fuse Slow</b>	16 A	
<b>Rated kVA</b>	6.0 kVA @ 220 VAC 2.7 kVA @ 120 VAC	
<b>Voltage Range</b>	90 - 270 VAC	
<b>Energy Save Mode</b>	< 30 W	
	<b>120 VAC</b>	<b>220 VAC</b>
<b>Welding Output, MMA (AC)</b>	110 A / 24.4 V @ 25 % 70 A / 22.8 V @ 60 % 55 A / 22.2 V @ 100 %	200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %
	<b>80 V</b>	
<b>Welding Output, MMA (Battery Mode)</b>	140 A / 25.6 V @ 18 % 110 A / 24.4 V @ 25 % 80 A / 23.2 V @ 60 % 60 A / 22.4 V @ 100 %	
	<b>120 VAC</b>	<b>220 VAC</b>
<b>Welding Output, MMA (Hybrid Mode) AMP+</b>	150 A / 26.0 V @ 25 % 90 A / 23.6 V @ 60 % 70 A / 22.8 V @ 100 %	200 A / 28.0 V @ 25 % 129 A / 25.2 V @ 60 % 100 A / 24.0 V @ 100 %
	<b>120 VAC</b>	<b>220 VAC</b>
<b>Welding Output, TIG (AC)</b>	140 A / 15.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %
	<b>80 V</b>	
<b>Welding Output, TIG (Battery Mode)</b>	150 A / 16.0 V @ 18 % 115 A / 14.6 V @ 25 % 90 A / 13.6 V @ 60 % 70 A / 12.8 V @ 100 %	
	<b>120 VAC</b>	<b>220 VAC</b>
<b>Welding Output, TIG (Hybrid Mode) AMP+</b>	180 A / 17.2 V @ 25 % 130 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %	200 A / 18.0 V @ 25 % 129 A / 15.2 V @ 60 % 100 A / 14.0 V @ 100 %
	<b>120 VAC</b>	<b>220 VAC</b>
<b>Setting Range, MMA</b>	10A/20.4 - 110A / 24.4V	10A/20.4 - 200A / 28V
	<b>120 VAC (Hybrid Mode) AMP+</b>	<b>220 VAC (Hybrid Mode) AMP+</b>
	10 A / 20.4 - 150 A / 26 V	10 A / 20.4 - 200 A / 28 V
	<b>80 V (Battery Mode)</b>	
	10 A / 20.4 - 140 A / 25.6 V	
	<b>120 VAC</b>	<b>220 VAC</b>
	10 A / 10.4 - 140 A / 15.6 V	10 A / 10.4 - 200 A / 18 V
<b>Setting Range, TIG</b>	<b>120 VAC (Hybrid Mode) AMP+</b>	<b>220 VAC (Hybrid Mode) AMP+</b>
	10A / 10.4 - 180 A / 17.2 V	10 A / 10.4 - 200 A / 18 V
	<b>80 V (Battery Mode)</b>	
	10 A / 10.4 - 150 A / 16 V	
<b>Power Factor at Maximum Current</b>	0.99	
<b>Open Circuit Voltage (OCV)</b>	78 VDC	
<b>Operating Temperature</b>	-10 ~ +40 °C	
<b>Protection Class</b>	IP23	
<b>Certification Mark (Standards)</b>	GB/T 15579.1 & CCC	
<b>Dimensions L x W x H, without battery box</b>	460 x 200 x 320 mm	
<b>Dimensions L x W x H, with battery box</b>	480 x 220 x 485 mm	
<b>Weight, power source and battery box</b>	17 kg	
<b>Weight, power source, battery box and 4 battery packs *</b>	23 kg	

\* Weight when using a DeWALT FlexVOLT 12 Ah Battery, weight may vary when using other FlexVOLT battery packs.

# Renegade VOLT ES 200i



## Electrode Consumption - Number of electrodes per charge

Electrode Size // Type	E6013	E7018	E6010
2.5 x 250 mm (3/32 x 9.8 in.)	33	26	31
2.5 x 350 mm (3/32 x 13.8 in.)	22	17	21
3.2 x 350 mm (1/8 x 13.8 in.)	14	10.5	12

Consumption when using four (4) DeWALT FlexVOLT DCB612 12 Ah Batteries, consumption may vary when using other FlexVOLT battery packs or operating parameters

## Ordering Information

Renegade VOLT ES 200i	0447996660
Renegade VOLT Battery box	0447900881

Delivery includes:

0447996660: Renegade VOLT ES 200i, electrode holder 3m (10 ft) cable and OKC 50, return cable 3m (10 ft) with clamp and OKC 50

0447900881: Detachable battery box

## Accessories

MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, TWECO 200A with 25 mm <sup>2</sup> , 3 m, OKC50	0700401423
Grounding clamp cable set, OKC50, 25 mm <sup>2</sup> , 3 m	0447997931
Shoulder strap	0445197880
SR-B TIG Torch 17V, 4 m	0700025514

## Wear & Spare Parts

DeWALT FlexVOLT 6Ah Batteries DCB606	0447996673
DeWALT FlexVOLT 9Ah Batteries DCB609	0447996674
DeWALT FlexVOLT 12Ah Batteries DCB612	0447996675
DeWALT FlexVOLT 4-Port Charger	0447997111
Charger adapter plug	0447997045

DeWALT FlexVOLT batteries could be purchased from any authorized DeWALT retailer.

# Rustler EM 215i/300i/455i

The name of MIG/MAG inverter revolution



Rustler EM 455i, EM 300i, EM 215i

## Industry

- General Manufacturing
- Metalwork
- Steel Constructions
- Agricultural Tools
- Repair & Maintenance

With its unique modern design and every detail taken into account, the Rustler family was designed by a team of top engineers in the world. It is equipped with the latest inverter technology, offering low energy consumption and excellent weld excellent quality. The machines are optimized for welding the most diverse metals, with specific process for electrodes, solid and flux cored wires, carbon steel, stainless steel, aluminum and even MIG brazing.

For more demanding welders, in addition to specific functions for coated electrode applications including hot start, arc force and anti-stick, there are additional settings such as 2T or 4T welding, inductance, creep start, burnback, crater filling, pre and post gas flow, providing an optimized arc adjustment in MIG/MAG application.

- **3 versions available:** 215i for 1ph 220V network, 300i for 1ph 220V or 3ph 220V/380V network, and 455i for 3ph 220V, 380V or 440V network.
- **Easy to operate**, set up and weld, ideal for both experienced welders and beginners.
- **Intelligent design** with angled panel, large handles and large handles and protected panel.
- **Guaranteed robustness**, tested and approved by rigorous tests around the world.
- **Energy-saving inverter technology**.
- **Fan on demand**, providing cooling when needed, reducing energy consumption and the amount of dust entering the equipment.

Visit [esab.com](http://esab.com) for more information.

# RUSTLER



# Rustler EM 215i/300i/455i



Specifications			
Model	Rustler EM 215i	Rustler EM 300i	Rustler EM 455i
<b>Mains Voltage</b>	220 VAC ±10%, 1ph	380 VAC ± 10%, 3 ph 220 VAC ± 10%, 3 ph 220 VAC ± 10%, 1 ph	440 VAC ± 10%, 3 ph 380 VAC ± 10%, 3 ph 220 VAC ± 10%, 3 ph
<b>Power Frequency</b>	50 Hz / 60 Hz		
<b>Current Range MIG/MAG</b>	30-200 A	30-250 A	30-300 A (220 V) 30-420 A (440V/380 V)
<b>Welding Output MIG/MAG, 40°C</b>	200 A @ 20% / 24 V 116 A @ 60% / 19.8 V 90 A @ 100% / 18.5 V	250 A @ 40% / 26.5 V 204 A @ 60% / 24.2 V 158 A @ 100% / 21.9 V	<b>440 VAC / 380VAC:</b> 420 A @ 40% / 35 V 343 A @ 60% / 31.2 V 266 A @ 100% / 27.3 V <b>220 VAC:</b> 300 A @ 40% / 29 V 245 A @ 60% / 24.3 V 190 A @ 100% / 23.5 V
<b>No-load Voltage MIG/MAG</b>	59 V	68 V (380 VAC) 78 V (220 VAC)	82 V (440 VAC) 72 V (380 VAC) 67 V (220 VAC)
<b>Current Range MMA</b>	20-200 A	20-200 A	20-300 A (220 VAC) 20-350 A (440 V / 380 VAC)
<b>Welding Output MMA, 40°C</b>	200 A @ 20% / 28 V 116 A @ 60% / 24.7 V 90 A @ 100% / 23.6 V	200 A @ 40% / 28 V 163 A @ 60% / 26.5 V 126 A @ 100% / 25 V	<b>440 VAC / 380 VAC:</b> 350 A @ 40% / 34 V 286 A @ 60% / 31.4 V 222 A @ 100% / 28.9 V <b>220 VAC:</b> 300 A @ 40% / 32 V 245 A @ 60% / 29.8 V 190 A @ 100% / 27.6 V
<b>No-load Voltage MMA</b>	59 V <15 V (VRD activated)	68 V (380 VAC) 78 V (220 VAC) <15 V (VRD activated)	<b>78 V (440 VAC)</b> 68 V (380 VAC) 67 V (220 VAC) <15 V (VRD activated)
<b>Weight</b>	40 kg	47 kg	70 kg
<b>Recommended Generator</b>	10 kW	20 kW	25 kW
<b>Enclosure Class</b>	IP23S		
<b>Dimensions L x W x H</b>	921 x 434 x 576 mm	946 x 450 x 716 mm	951 x 460 x 806 mm
<b>Certifications</b>	GB/T 15579.1 & CCC		
<b>Operating Temperature</b>	-10 ~ +40°C		
<b>Insulation Class</b>	F		
<b>Application Class</b>	S		

# Rustler EM 215i/300i/455i



## Ordering Information

Rustler EM 215i	0748504CN
Rustler EM 300i	0748505CN
Rustler EM 455i	0748506CN

### Delivery includes:

Rustler EM 215i: welding power source, 2m work lead (with grounding clamp), gas hose 1.5m, feed rolls: 0.8/1.0mm V-groove (fitted), 0.8/1.0mm K-groove, hose clamps\*2, chain 0.4m, wheel kits, quick start guide, and user instruction.

Rustler EM 300i: welding power source, 2m work lead (with grounding clamp), gas hose 1.5m, feed rolls: 0.8/1.0mm V-groove (fitted), 0.8/1.0mm K-groove, hose clamps\*2, chain 0.4m, wheel kits, quick start guide, and user instruction.

Rustler EM 455i: welding power source, 3m work lead (with grounding clamp), gas hose 4m, feed rolls: 1.0/1.2mm V-groove\*2 (fitted), 1.0/1.2mm K-groove\*2, hose clamps\*2, chain 0.4m, wheel kits, quick start guide, and user instruction.

## Options & Accessories (not included in the package)

Rustler EM 215i	0700401424
MIG gas-cooled torch MXL 201, 3M Euro connector	0700025220
MIG gas-cooled torch MXL 201, 4M Euro connector	0700025221
Grounding clamp cable set 200A, OKC 50, 3m	0700006901
Grounding clamp cable set 200A, OKC 50, 5m	0700006885
Rustler EM 300i	
MIG gas-cooled torch MXL 271, 3M Euro connector	0700025230
MIG gas-cooled torch MXL 271, 4M Euro connector	0700025231
Grounding clamp cable set 300A, OKC 50, 3m	0700006903
Grounding clamp cable set 300A, OKC 50, 5m	0700006889
Rustler EM 455i	
MIG gas-cooled torch Exeor PSF 415, 3M, Euro connector	0700026406
MIG gas-cooled torch Exeor PSF 415, 4M, Euro connector	0700026407
MIG gas-cooled torch Exeor PSF 415, 5M, Euro connector	0700026408
Grounding clamp cable set 500A, OKC 50, 5m	0700006893

Refer to fact sheet (XA00198820) for complete list of MXL series MIG torch consumables.

Refer to fact sheet (XA00300525) for complete list of Exeor PSF series MIG torch consumables.

# // LIP CUTTING EQUIPMENT





# Cutmaster® 40+

Portable plasma cutting equipment



ESAB Cutmaster 40+ is the perfect combination of power and portability for hand-held plasma cutting machines. Plus means more, so we've added a user-friendly 4.3 in. TFT LCD screen and we've also upgraded the power of the machine to provide more control and flexibility so you can master any genuine cutting with ease to 12-25 mm. Together with the SL60 1Torch, it all adds up to the total plasma cutting package.

- Portable and durable with three handles and industrial housing for use in harsh environments
- Bright 4.3 in. TFT LCD display with glove-friendly adjustment knob simplifies use and provides greater control and flexibility
- Comes with industrial SL60 1Torch featuring 2T/4T function, safety trigger lock, and double-tap trigger to shut off the air and conserve bottled air
- Switch between normal and grid cutting modes
- Automatic air pressure detection and post-cut air purge to expand consumable life
- Duty cycle: 40% @ 40A; 100% @20A
- Cutmaster Black Series consumables included for up to 60% longer life

Visit [esab.com](http://esab.com) for more information.

## Industry

- Industry & General Fabrication
- Agricultural Equipment
- Light Fabrication
- HVAC
- Industrial Production & Manufacturing
- Repair & Maintenance
- Automotive Bodies
- Pipeline
- Hobbyist
- Training Schools



# Cutmaster® 40+



## Specifications

Amperage Output	10 - 40 A, continuously adjustable
Recommended Generator Power	10 kW (or higher)
Recommended Cut and Pierce Capacity	12 mm*
Conventional Hand-held Cut Capacity	16 mm*
Maximum Edge Cut Capacity	25 mm*
Input Voltage	220 VAC +/- 10%, 50/60 Hz, 1ph
Rated Duty Cycle @ 40°C	40% @ 40 A, 100% @ 20 A
Power Factor at Maximum Cut Capacity	0.98
Amperage Draw (at Maximum Cut Capacity)	31 A
Input Power Cable	3 m, 2.5 mm <sup>2</sup> without plug
Work Lead (with Ground Clamp)	3 m, 10 mm <sup>2</sup> work cable with 25 mm <sup>2</sup> connector
Gas Requirement	Compressed air
Operating Temperature Range	-10°C to + 40°C
Compressed Air Pressure Requirement	6.2 - 8.6 bar (90 - 125 psi) (0.62 - 0.86 Mpa)
Compressed Air Flow Requirement	142 - 235 l/min
SL60 Torch Duty Cycle	100% @ 60 A with 165 l/min air flow
Torches - for use with Cutmaster 40+	SL60 1Torch
Enclosure Class	IP23S
Certifications	GB/T 15579.1 & CCC
Dimensions L x W x H	465 x 200 x 315 mm
Weight	11.5 kg

\*All cut capacity data contained herein is based on mild steel cuts.

## Ordering Information

Cutmaster 40+ Package	0559141004CN
<b>Torches</b>	
SL60 1Torch and Lead 6.1 m (20 ft) 75° Head	7-5204
SL60 1Torch and Lead 15.2 m (50 ft) 75° Head	7-5205

Delivery includes: Cutmaster 40+ power source, SL60 75° torch and lead 5 m, work lead 3 m (with ground clamp), and consumables kit.

## Options and accessories

Cutting Guide Kit	7-7501	Single Stage Air Filter Kit	7-7507
Circle Cutting Guide Kit	7-3291	Shoulder Strap	0445197880

## Wear & Spare Parts Torch

Electrode, SL60	9-8215	A Size Gouging Tip	9-8225
Cutmaster Black Series Extended Life Electrode	9-8214	Cutting Tip 20A	9-8205
Start Cartridge, SL60	9-8213	Cutting Tip 30A	9-8206
Shield Cup, SL60	9-8218	Cutting Tip 40A	9-8207
Shield Cup Body, SL60	9-8237	Drag Cutting Shield Cap (40A)	9-8244
Shield Cap, Gouging	9-8241	Torch "O" Ring 1	8-3487
Shield Cap Deflector	9-8243	Torch "O" Ring 2	8-3486
Stand Off Cutting Guide	9-8251		

# Cutmaster® 70+

Portable plasma cutting equipment



## Industry

- Industry & General Fabrication
- Light Fabrication
- Industrial Production & Manufacturing
- Automotive Bodies
- Hobbyist
- Agricultural Equipment
- HVAC
- Repair & Maintenance
- Pipeline
- Training Schools



Simple and intuitive TFT LCD panel

ESAB Cutmaster 70+ is the perfect combination of power and portability for hand-held plasma cutting machines. Plus means more, so we've added a user-friendly 4.3 in. TFT LCD screen and we've also upgraded the power of the machine to provide more control and flexibility so you can master any pierce and cut up to 19 mm with ease. Together with the SL60 1Torch, it all adds up to an ideal plasma cutting package.

Recommended pierce and cut capacity: 19 mm

Maximum edge cut capacity: Up to 38 mm\*

\*Depending on material type.

- Portable and durable with three handles and industrial housing for use in harsh environments
- Bright 4.3 in. TFT LCD display with glove-friendly adjustment knob simplifies use and provides greater control and flexibility
- Input 380 V, 3-phase power
- Comes with industrial SL60 1Torch featuring 2T/4T function, safety trigger lock, and double-tap trigger to shut off the air and conserve bottled air
- Switch between normal and grid cutting modes
- Post-cut air purge to expand consumable life
- Duty cycle: 50% @ 70 A with cutting voltage 150 V, 100% @ 50 A with cutting voltage 150 V
- Cutmaster Black Series consumables included for up to 60% longer life
- CNC functionality with pre-installed 14 pin CPC receptacle and voltage divider

Visit [esab.com](http://esab.com) for more information.

# Cutmaster® 70+



## Specifications

Amperage Output	15 - 70 A, continuously adjustable
Recommended Generator Power	20 kW (or higher)
Recommended Cut and Pierce Capacity	19 mm*
Maximum Edge Cut Capacity	38 mm*
Input Voltage	380 VAC +/- 10%, 50/60 Hz, 3ph
Rated Duty Cycle @ 40°C	50% @ 70 A with cutting voltage 150 V
Recommended Circuit Breaker Size (at Maximum Cut Capacity)	32 A
Amperage Draw (at Maximum Cut Capacity)	21 A
Input Power Cable	3 m, 4.0mm <sup>2</sup> without plug
Work Lead (with Ground Clamp)	3 m, 10 mm <sup>2</sup> work cable with 25 mm <sup>2</sup> connector
Gas Requirement	Compressed air
Operating Temperature Range	-10°C to + 40°C
Compressed Air Pressure Requirement	6.2 - 8.6 bar (90 - 125 psi) (0.62 - 0.86 Mpa)
Compressed Air Flow Requirement	142 - 235 l/min
SL60 Torch Duty Cycle	100% @ 60 A with 165 l/min air flow
Torches - for use with Cutmaster 70+	SL60 1Torch
Enclosure Class	IP23S
Certifications	GB/T 15579.1 & CCC
Dimensions L x W x H	465 x 200 x 315 mm
Weight	16 kg

\*All cut capacity data contained herein is based on mild steel cuts.

## Ordering Information

Cutmaster 70+ Package, 380 V 3 ph	0559170004CN
<b>Torches</b>	
SL60 1Torch and Lead 6.1 m (20 ft) 75° Head	7-5204
SL60 1Torch and Lead 15.2 m (50 ft) 75° Head	7-5205

Delivery includes: Cutmaster 70+ power source, SL60 75° torch and lead 5 m, work lead 3 m (with ground clamp), and consumables kit.

## Options and accessories

Cutting Guide Kit	7-7501
Circle Cutting Guide Kit	7-3291
Straight Line Cutting Guide Kit	7-8911
Yellow Leather Lead Cover, 7.6 m(25 ft)	0700009088
Black Leather Lead Cover, 7.6 m (25 ft)	0700009089
Multi-Purpose Cart	7-8888
Single Stage Air Filter Kit	7-7507
Shoulder Strap	0445197880

## Wear & Spare Parts Torch

Electrode, SL60	9-8215
Cutmaster Black Series Extended Life Electrode	9-8214
Start Cartridge, SL60	9-8213
Shield Cup, SL60	9-8218
Shield Cup Body, SL60	9-8237
Shield Cap, Gouging	9-8241
Shield Cap Deflector	9-8243
A Size Gouging Tip	9-8225
B Size Gouging Tip	9-8226
Cutting Tip 20A	9-8205
Cutting Tip 30A	9-8206
Cutting Tip 40A	9-8207
Cutting Tip 50A	9-8209
Cutting Tip 70A	9-8231
Drag Cutting Shield Cap (40A)	9-8244
Drag Cutting Shield Cap (50A)	9-8235
Drag Cutting Shield Cap (70A)	9-8236
Torch "O" Ring 1	8-3487
Torch "O" Ring 2	8-3486
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## 1TORCH Consumables Application Guide

For SL60 and SL100 manual cutting and gouging operations.



### DRAG SHIELD CUTTING

This is an operator-friendly method of cutting while maintaining a constant standoff distance. For metal thickness greater than 6 mm, simply drag the shield cap in contact with the work piece. Use the shield cup body with the appropriate drag shield cap matching the current level being used. This method is not recommended for cutting light-gauge sheet metal.



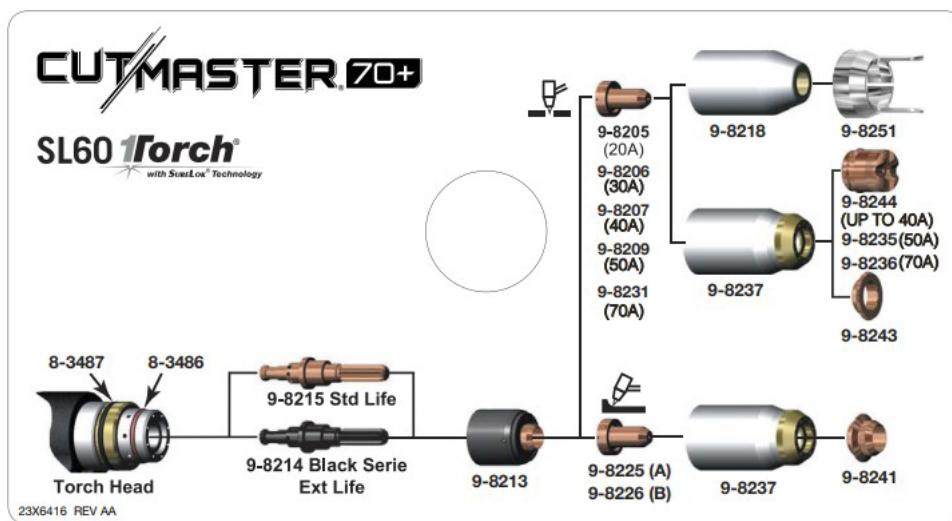
### STANDOFF CUTTING

The preferred method of cutting metal. Provides maximum visibility and accessibility. Shield cup for standoff cutting (with the torch tip 3 mm to 6 mm from the work piece). Use the shield cup body together with the deflector for extended parts life and improved resistance to reflect heat. This combination provides cutting results similar to the single-piece shield cup, as well as easy changeover to gouging or drag shield cutting.



### GOUGING

A simple method of metal removal by angling the torch to a lead angle of 35°–45° and using a gouging tip. While maintaining a constant standoff distance, this allows for only a partial penetration into the work, thus removing metal from the surface. The amount of current, travel speed, standoff distance, lead angle, and tip size will determine the amount of material removed and the profile of the gouge. You can use the shield cup body with either the gouging shield cap or the shield deflector. Also, you can use the single-piece shield cap.



## Semi-Mechanized Systems

For straight line cutting and gouging applications controlled with a simple start stop switch, ESAB MechPak provides everything you need to allow precision setup and control for many semi-automated applications. The MechPak is compatible with all Cutmaster plasmas that contain the ATC torch style quick connection.

### Ordering Information

MechPak, 7.6 m Kit	7-7725
MechPak, 15.2 m Kit	7-7750





# UNRIValed SERVICE AND SUPPORT.

All ESAB products are backed by our commitment to superior customer service and support. Our skilled customer service department is prepared to quickly answer any questions, address problems, and help with the maintenance and upgrading of your machines. And our products are backed with the most comprehensive warranty in the business.

With ESAB, you can be sure you purchased a product that will meet your needs today and in the future. Product and process training is also available. Ask your ESAB sales representative or distributor for a complete ESAB solution.

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