





RENEGADE™ ET 210iP Advanced

NOW ⚡
**SINGLE
PHASE**

PLUS EXTRA FEATURES!



TFT 4.3"



Exeor TIG Torch

- Highest durability housing with IP23 rating, ideal for indoor and outdoor use in demanding environments
- TIG pulse up to 999 Hz to increase control of heat input and weld pool
- Built-in PFC circuit to ensure a stable arc, even with extra long 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. TFT colour screen provides a visual presentation of adjustment (advanced model)
- Easily access up to 10 jobs by torch trigger (advanced model)
- Modular system with tool-less connection to optional water cooler and trolley
- New Exeor TIG torch included in advanced model
- Transporting made easy with a weight of 11kg, multiple lift points, and a high-quality carry strap

THE ULTIMATE LINE-UP

WANT TO KNOW MORE?
Contact your local ESAB Sales.

esab.com



Renegade ET Family

**SINGLE
PHASE**



ET 180iP



ET 210iP



ET 210iP Advanced

FEATURES	ET 180iP	ET 210iP	ET 210iP Advanced
Max output	180A	210A	210A
Build in PFC	X	X	X
Pulse up to 999Hz	X	X	X
Dual current mode	X	X	X
Optional cooler		X	X
Jobs			X
Triger jobs from torch			X
Configurable views			X
Color screen 4,3"			X
Visual presentation of parameters			X
Multi language			X
Support pages (Wears, filler metals, maintenance)			X
Display time of weld			X

Ordering Information

	Item No.
Renegade ET 180iP	0447700910
Renegade ET 210iP	0447700911
Renegade ET 210iP W (water-cooled)	0447700912
Renegade ET 210iP Advanced	0447750890
Renegade ET 210iP W Advanced (water-cooled)	0447750891



THE ULTIMATE LINE-UP

WANT TO KNOW MORE?
Contact your local ESAB Sales.

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RENEGADE™

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RENEGADE ET 210iP ADVANCED

TFT SCREEN NAVIGATION

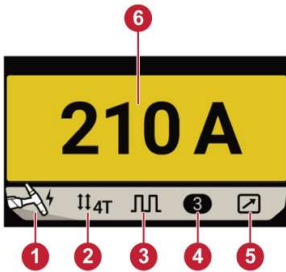


Navigation logic

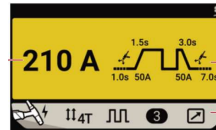


1. Back button
 - a) Press Back button to return to previous screen
 - b) Press and hold for 3s to delete jobs
2. Menu navigation encoder. Turn and push to select or change values
3. Menu button. Press Menu button to return to Home screen from any place.

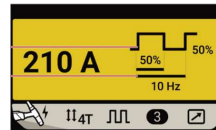
Home View



1. Process selection icon
2. Trigger mode
3. Pulse
4. Selected job number
5. Remote
6. Welding current

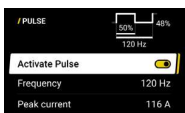
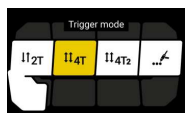
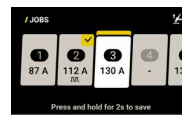
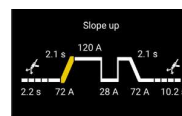
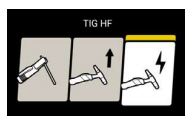


Sequencer Home view



Pulse Home view

TIG Process



MENU structure:

- Process selection
- Settings
- Information:
- TIG sequencer
- Trigger mode
- Pulse settings
- JOBS
- Remote

MMA Process

MENU structure:

- Process selection
- Settings
- Information
- Electrode selection
- Arc force
- Hot start
- JOBS
- Remote

Welding View

Ongoing weld

During welding machine shows measured values in real time.

After the weld has ended

After welding machine shows measured average welding current and voltage and additionally time of last weld.

Information

QR code for up to date manual online

#USER MANUAL

manuale.esab.com

THE ULTIMATE LINE-UP

You deserve the best in a TIG machine, and that's precisely what you get from our impressive line-up. So, take a look, and decide which machine would be the best for you and your needs.

—○ Make your choice from **THE ULTIMATE LINE-UP** and perhaps STEP UP to the next level..

TIG machines

CHOOSE YOUR NEXT LEVEL MACHINE

STEP UP



RENEGADE ET 210iP ADVANCED

- Renegade ET ADVANCED is a professional, single-phase, high frequency start TIG and MMA welding machine. It is designed with an industrial-grade IP23 housing, and advanced colour TFT display and intuitive control system.

STEP UP

RENEGADE ET 180iP

- Renegade ET 180iP is a professional, single-phase, high frequency start TIG and MMA welding machine. With an industrial-grade IP23 housing it is lightweight and easily transportable.



STEP UP

ROGUE ET 200iP PRO

- Rogue ET is a powerful and easy to handle entry level high frequency start TIG machine. It has been designed with ESAB DNA code which gives great robustness locked in a very compact housing.



THE ULTIMATE LINE-UP

You deserve the best in an MMA machine, and that's precisely what you get from our impressive line-up. So, take a look, and decide which machine would be the best for you and your needs.

—○ Make your choice from **THE ULTIMATE LINE-UP** and perhaps **STEP UP** to the next level..

■ MMA machines

CHOOSE YOUR NEXT LEVEL MACHINE

STEP
UP



REBEL EMP 215ic

- Rebel EMP 215ic Welding Machines offer 120/230V flexibility and some of the most innovative welding technology available. A breakthrough design inspired by professional welders, the Rebel is a complete package to weld anything – mild steel, MMA, MIG aluminium, stainless steel – and go anywhere..

STEP
UP

RENEGADE ES 210i

- Renegade ES 210i is a professional single-phase, MMA and Live TIG welding machine with the most resistant IP23 housing designed for use in demanding environments. Equipped with a high-quality carry strap with multiple lift points, Renegade ES is ready to move with you when portability is required.



STEP
UP

ROGUE ES 180i

- Rogue ES 180i is a robust and durable power source for the professional welder. The machine provides state-of-the-art welding performance and reliability through use of the latest high performance power electronics and Digital control; ensuring a precise consistent arc.



THE ULTIMATE LINE-UP

You deserve the best in a MIG machine, and that's precisely what you get from our impressive line-up. So, take a look, and decide which machine would be the best for you and your needs.

—○ Make your choice from **THE ULTIMATE LINE-UP** and perhaps **STEP UP** to the next level..

MIG machines

CHOOSE YOUR NEXT LEVEL MACHINE

STEP
UP



RUSTLER EM 280 & 350C PRO

- Rustler MIG PRO compact welding inverters are your solution of choice for the most common welding challenges. Equipped with the latest inverter technology, they combine low energy consumption with optimized welding performance.

STEP
UP

REBEL EMP 215ic

- Rebel EMP 215ic Welding Machines offer 120/230V flexibility and some of the most innovative welding technology available. A breakthrough design inspired by professional welders, the Rebel is a complete package to weld anything – mild steel, MMA, MIG aluminium, stainless steel – and go anywhere..



STEP
UP

ROGUE EM 210

- ESAB Rogue EM 210 inverter based welding system is ready to address all your welding project needs, from light fabrication to repair and maintenance.



THE ULTIMATE LINE-UP

You deserve the best in a MIG machine, and that's precisely what you get from our impressive line-up. So, take a look, and decide which machine would be the best for you and your needs.

—○ Make your choice from **THE ULTIMATE LINE-UP** and perhaps STEP UP to the next level..

Multi-Process machines

CHOOSE YOUR NEXT LEVEL MACHINE

STEP UP



REBEL EMP 205 AC/DC

- We made the impossible possible with the first ever portable, all process machine, complete with MIG, Flux Cored, MMA, DC TIG, and now AC TIG capabilities, which means yes it TIG welds aluminium. It is a TRUE all in one welding system that delivers best in class performance in each process.

STEP UP

REBEL EMP 320ic

- Rebel EMP 320ic, the industrial, true multi-process machine that combines power and mobility. With a maximum output of 350 Amps is the ideal universal welding system capable of running all 1.2 mm solid and flux-core wires with a high duty cycle.



STEP UP

ROGUE EMP 210 PRO

- ESAB Rogue EMP 210 Pro inverter based multiprocess welding system is ready to address all your welding project needs, from general fabrication to repair and maintenance.



Rogue ET 180i/200iP PRO

Portable solutions for professional welding



Rogue ET 200iP PRO

Industry

- Food & beverage
- Repair and Maintenance
- Civil Construction
- Agricultural Equipment
- Industrial and General Fabrication



Control panel

Rogue ET is powerful and easy to handle entry level high frequency start TIG machine. It has been designed with ESAB DNA code which gives great robustness locked in very compact housing.

Lightweight, ergonomic handle, carry strap and long extension cables make Rogue ET the ideal solution for field applications. All variants of machines are suitable to work with generators (7kW).

Rogue ET performs with exceptional arc characteristics, both in TIG and MMA mode. There is a broad number of advanced parameters that can be adjusted in TIG: gas pre flow, start current, ramp up time, ramp down time, finish current and post flow. All of these can be worked with 2 or 4 stroke mode. Additionally the PRO version has a pulsing feature with frequency from 0,2 Hz up to 500 Hz for better heat input control. In MMA user can adjust Hot Start or Arc Force, to match his best welding preferences or application. All of this can be quickly adjusted by simple and intuitive user interface.

- Excellent high frequency TIG start ensures no failures on ignition with superior arc characteristics for smooth and stable performance
- Easy to Use – set up of welding parameters is simple and intuitive
- Robust Design – IP23S designed for both fabrication floor or site applications
- Advanced TIG controls for full cycle control to match every application you need, and pulse feature up to 500 Hz for perfect control of heat input
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 100 m (*PRO version only*)
- Optional remote current adjustment from: TIG torch, foot pedal, hand remote control

Visit esab.com for more information

Specifications		
Model	ET 180i	ET 200iP PRO
Primary Voltage 1 ph	230 VAC ± 15%, 1ph, 50/60 Hz	115/230 VAC ± 15%, 1ph, 50/60 Hz
Maximum Output	180A	200 A
Rated KVA	8KVA	7KVA
Energy Save Mode	30 W	50 W
Open Circuit Voltage	63 V DC	78 V DC
MMA Welding Output at 20% Duty Cycle at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	170A / 26.8V - 97 A / 23.9 V 75 A / 23.0 V	- 200 A / 28.0 V 129 A / 25.2 V 100 A / 24.0 V
TIG Welding Output at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	180 A / 17.2 V 116 A / 14.6 V 90 A / 13.6 V	200 A / 18.0 V 129 A / 15.2 V 100 A / 14.0 V
Current Range	10 – 180 A	10 – 200 A
Operating Temperature	-10 to +40 ° C	-10 to +40 ° C
Enclosure Class	IP23S	IP23S
Certification Mark	CE	CE
Dimensions L x W x H	403 x 153 x 264 mm	403 x 153 x 264 mm
Weight	8.7 kg	9.6 kg

Ordering Information	
Rogue ET 180i CE	0700500080
Rogue ET 200iP PRO CE	0700500081

Delivery includes power source with 3 m mains cable and plug, shoulder strap, 4 m TIG torch SR-B 26 type, a set of wear parts including tungsten electrode, 3 m return cable with clamp.

Options & Accessories	
Shoulder strap	0700500086
MMA 4 Analogue Remote Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm ² , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
SR-B 26 TIG Torch, Air, OKC 50, 4 m	0700025580
SR-B 26 TIG Torch, Air, OKC 50, 8 m	0700025581
SR-B 26FX-R TIG Torch, Air, OKC 50, remote, 4 m	0700025589
SR-B 26FX-R TIG Torch, Air, OKC 50, remote, 8 m	0700025590
TIG Foot Control, 4.5 m (15 ft.) cable and 8-pin connector	W4014450



ESAB / esab.com



Rogue ES 150i/180i/200i

Portable solutions for professional welding



Rogue ES 180i PRO

Industry

- Repair and Maintenance
- Civil Construction
- Agricultural Equipment
- Industrial and General Fabrication



Control panel

The Rogue is a robust and durable power source for the professional welder. The machine provides state-of-the-art welding performance and reliability through use of the latest high performance power electronics and Digital control; ensuring a precise consistent arc.

The Rogue provides a smooth DC (Direct Current) welding power which allows you to weld a variety of metals, such as alloyed and non alloyed steel, stainless steel, and cast iron. The Arc Force and Hot Start settings are adjustable and help the user find exactly the right arc for the job. Being digital the Micro-processor precisely controls all functions and provides Best-in Class welding performance across the amperage range of the machine. The Rogue can be used with electrodes up to 4.0mm Ø.

The Rogue can easily perform TIG-welding using a "Live TIG" start. Equip the power source with the optional TIG-Torch, which has a built-in gas valve and a regulator, and a bottle of gas and you are ready to weld mild steel or stainless steel, with or without filler material.

- Superior Arc characteristics – Smooth, Stable performance.
- Generator Compliant – Suitable for use with generators (recommended 7 kW).
- Easy to Use – Set the welding current and weld with excellent result
- Practical Design - makes the power source easy to carry which enables use at almost any work site
- Robust Design – IP23S Designed for Fabrication Shop or Site application.
- PFC ensures a stable arc, resistant to power fluctuations even while working on long extension cables up to 100 m (*PRO version only*).
- Optional analogue remote control (*PRO version only*)

Visit esab.com for more information

Specifications				
Model	ES 150i	ES 180i	ES 180i PRO *	ES 200i PRO *
Primary Voltage 1 ph	230 VAC ± 15%, 1ph, 50/60 Hz	230 VAC ± 15%, 1ph, 50/60 Hz	115/230 VAC ± 15%, 1ph, 50/60 Hz	115/230 VAC ± 15%, 1ph, 50/60 Hz
Maximum Output	150 A	180 A	180 A	200 A
Rated kVA	6.9 kVA	8.7 kVA	6 kVA	6.9 kVA
Energy Save Mode	50 W	50 W	50 W	50 W
Open Circuit Voltage	63 V DC	63 V DC	78 V DC	78 V DC
MMA Welding Output at 20% Duty Cycle at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	- 150 A / 26.0 V 97 A / 23.9 V 75 A / 23.0 V	170 A / 26.8 V - 97 A / 23.9 V 75 A / 23.0 V	- 180 A / 27.2 V 116 A / 24.6 V 90 A / 23.6 V	- 200 A / 28.0 V 129 A / 25.2 V 100 A / 24.0 V
TIG Welding Output at 25% Duty Cycle at 60% Duty Cycle at 100% Duty Cycle	150 A / 16.0 V 97 A / 13.9 V 75 A / 13.0 V	180 A / 17.2 V 116 A / 14.6 V 90 A / 13.6 V	180 A / 17.2 V 116 A / 14.6 V 90 A / 13.6 V	200 A / 18.0 V 129 A / 15.2 V 100 A / 14.0 V
Current Range	10 – 150 A	10 – 180 A	10 – 180 A	10 – 200 A
Operating Temperature	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C	-10 to +40 °C
Enclosure Class	IP23S	IP23S	IP23S	IP23S
Certification Mark	CE	CE	CE	CE
Dimensions	403 x 153 x 264 mm	403 x 153 x 264 mm	403 x 153 x 264 mm	403 x 153 x 264 mm
Weight	6.8 kg	6.8 kg	8.4 kg	8.4 kg

* For 115V values please see separate instruction manual.

Ordering Information	
Rogue ES 150i CE	0700500076
Rogue ES 180i CE	0700500077
Rogue ES 180i PRO CE	0700500078
Rogue ES 200i PRO CE	0700500079

Delivery includes power source with 3 m mains cable and plug, shoulder strap, electrode holder, 3 m return cable and clamp.

Options & Accessories	
Shoulder strap	0700500086
Rogue Plastic Case	0700500085
MMA 4 Analogue Remote Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm ² , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
SR-B 17V TIG Torch, OKC 50, 4 m	0700025514
SR-B 26V TIG Torch, OKC 50, 4 m	0700025522
TIG Foot Control, 4.5 m (15 ft.) cable and 8-pin connector	W4014450



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Renegade ET 180iP / 210iP

Ultimate durability in portable edition



Renegade ET is a professional single phase, high frequency start TIG and MMA welding machine with the most resistant IP23 housing designed to be used in demanding environments. Equipped with a high-quality carry strap with multiple lift points, Renegade is ready to move with you when portability is required.

Renegade ET have a build in active PFC circuit that allow to work perfectly even on a poor-quality power supply and on very long extension cables (up to 100 m).

Superior weld quality is a priority in this range, additionally supported by direct access to wide parameters selection on simple and intuitive user interface makes machine very easy to work with.

- Highest durability housing with IP23 for indoor and outdoor use
- TIG Pulse up to 999 Hz to increase control of heat input and weld pool
- PFC for stable arc even with extra long mains cable, up to 100 m
- Easy to read and quick to set panel increasing the accuracy and reduces the down time
- Dual-current mode trigger functionality to switch between two output current levels which controls the heat input and size of the weld pool
- Modular system with tool-less connection to water cooler and trolley
- ESAB SR-B TIG torch included

Industry

- Ship and Offshore Yards
- Civil Construction
- Pipe Construction
- Repair and Maintenance
- Heavy Fabrication
- Industrial and General Fabrication
- Mining
- Steel Erectors

Visit esab.com for more information.



Optional remote control

Renegade ET 180iP / ET 210iP

Specifications				
Model	Renegade ET 180iP		Renegade ET 200iP	
Mains Voltage	115/230 VAC ± 15%, 1ph, 50/60 Hz		115/230 VAC ± 15%, 1ph, 50/60 Hz	
Fuse Slow	16 A		16 A	
Rated KVA	3.3 KVA (115 VAC) 6 KVA (230 VAC)		3.3 KVA (115 VAC) 6 KVA (230 VAC)	
Energy save mode	<30 W		<30 W	
Welding Output MMA	115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%	230 VAC: 180A / 27.2V at 25% 116A / 24.6V at 60% 90A / 23.6V at 100%	115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%	230 VAC: 180A / 27.2V at 25% 116A / 24.6V at 60% 90A / 23.6V at 100%
Welding Output TIG	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 70A / 12.8V at 100%	230 VAC: 180A / 17.2V at 25% 116A / 14.6V at 60% 90A / 13.6V at 100%	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 70A / 12.8V at 100%	230 VAC: 210A / 18.4V at 25% 135A / 15.4V at 60% 105A / 14.2V at 100%
Setting Range MMA	115 VAC MMA: 15A / 20.6V – 110A / 24.4V 230 VAC MMA: 15A / 20.6V – 180A / 27.2V		115 VAC MMA: 15A/20.6V – 110A/24.4V 230 VAC MMA: 15A/20.6V – 180A/28.4V	
Setting Range TIG	115 VAC TIG: 10A / 10.4V – 140A / 15.6V 230 VAC TIG: 10A / 10.4V – 180A / 17.2V		115 VAC TIG: 10A/10.4V – 140A/15.6V 230 VAC TIG: 10A/10.4V – 210A/18.4V	
Power Factor Max Current	99 %		99 %	
Open Circuit VDC High	78 VDC		78 VDC	
Enclosure class	IP23		IP23	
Operating Temperature	-10 to +40 °C (+14 to +104 °F)		-10 to +40 °C (+14 to +104 °F)	
Dimensions	460 x 200 x 320 mm		460 x 200 x 320 mm	
Supply plug	CEE 16 A		CEE 16 A	
Weight	11 kg		11 kg	

Ordering Information	
Renegade ET 180iP	0447700910
Renegade ET 210iP	0447700911
Renegade ET 210iP W (water cooled)	0447700912

Delivery includes:

Air cooled models: power source, work lead 3 m, SR-B 26 torch 4 m, gas hose 4 m, shoulder strap.

Water cooled models: power source, cooling unit EC 1001, work lead 3 m, SR-B 20 torch 4 m, gas hose 4 m, shoulder strap.

Renegade ET 180iP / ET 210iP

Options and accessories	
MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm ² , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
TIG Foot Control, 4.5 m (15 ft) cable and 8-pin connector	W4014450
Trolley 2-wheel for Renegade	0460330881
EC 1001 – water cooler	0445045881
Shoulder strap	0445197880
SR-B 26 Torch, Air, OKC 50, 4 m	0700025518
SR-B 26 Torch, Air, OKC 50, 8 m	0700025519
SR-B 20 Torch, Water, OKC 50, 4 m	0700025534
SR-B 20 Torch, Water, OKC 50, 8 m	0700025535



ESAB / esab.com



Renegade ES 210i

Ultimate durability in portable edition



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

Renegade ES have been designed to weld with any type of electrode in superior quality, including 6010 cellulosic. User have a direct access to parameters and memory buttons, which makes machine very easy to work with.

- Highest durability housing with IP23 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 provide additional arc voltage for superior cellulosic weld performance
- Easy to read and quick to set panel increasing the accuracy and reduces the down time
- Adjustable Hot start and Arc force for optimal arc adjustment
- 3 memory settings for easy access to welding parameters
- ESAB Handy 200 electrode holder included

Industry

- Ship and Offshore Yards
- Civil Construction
- Pipe Construction
- Repair and Maintenance
- Heavy Fabrication
- Industrial and General Fabrication
- Mining
- Steel Erectors

Visit esab.com for more information.



Optional remote control



Renegade ES 210i

Specifications		
Mains Voltage	115/230 VAC \pm 15%, 1ph, 50/60 Hz	
Fuse Slow	16 A	
Rated KVA	3.3 KVA (115VAC), 6 KVA (230VAC)	
Energy save mode	<30 W	
Welding Output MMA	115 VAC: 110A / 24.4V at 25% 71A / 22.8V at 60% 55A / 22.2V at 100%	230 VAC: 180A / 27.2V at 25% 116A / 24.6V at 60% 90A / 23.6V at 100%
Welding Output TIG	115 VAC: 140A / 15.6V at 25% 90A / 13.6V at 60% 80A / 12.8V at 100%	230 VAC: 210A / 18.4V at 25% 135A / 15.4V at 60% 105A / 14.2V at 100%
Setting Range MMA	115 VAC MMA: 15A / 20.6V – 110A / 24.4V 230 VAC MMA: 15A / 20.6V – 180A / 28.4V	
Setting Range TIG	115 VAC TIG: 10A / 10.4V – 140A / 15.6V 230 VAC TIG: 10A / 10.4V – 210A / 18.4V	
Power Factor Max Current	99 %	
Open Circuit VDC High	78 VDC	
Enclosure class	IP23	
Operating Temperature	-10 to +40 °C (+14 to +104 °F)	
Dimensions	460 x 200 x 320 mm	
Supply plug	CEE 16 A	
Weight	9.9 kg	

Ordering Information	
Renegade ES 210i	0447700881

Delivery includes: power source, work lead 3 m, electrode holder 3 m, shoulder strap.

Options and accessories	
MMA 4 Analogue Remote-Control incl. 10 m cable	0700500084
Electrode Holder, Handy 200 A with 25 mm ² , 3 m, OKC50	0700006900
Return cable kit, OKC 50, 3 m	0700006901
Return cable kit, OKC 50, 5 m	0700006885
TIG Foot Control, 4.5 m (15 ft) 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 26V Torch, Air, OKC 50, 4 m	0700025522



ESAB / esab.com



Rustler MIG PRO compact

Thoughtfully designed MIG welding inverter



Rustler EM 350C PRO Synergic

Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Steel Erectors
- Steel Service Centres
- Repair and Maintenance
- Agricultural Equipment

Rustler MIG PRO compact welding inverters are your solution of choice for the most common welding challenges. Equipped with the latest inverter technology, they combine low energy consumption with optimized welding performance.

Rustler is ready to weld most common base materials with optimized arc programs for carbon steel, stainless steel, aluminium, brazing and flux-cored wires. Smooth wire feed is delivered by a robust and reliable 4WD feeding mechanism. The synergic model allows operation by setting the material thickness to achieve perfectly balanced welding parameters, allowing even less experienced welders to produce optimal welds.

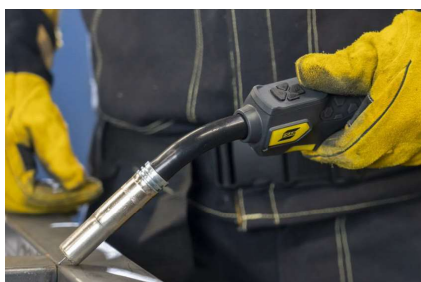
The reliable housing is further enhanced with a flexible accessories storage system, allowing users to store and protect additional tools as needed. Additional features include inspection window, internally lit-up compartment, torch holder and cable management for an efficient and comfortable working environment.

- Produce more with a high output current and duty cycle
- Intuitive panel with direct access to job settings reduces adjustment times
- Durable housing with flexible accessories storage makes machine an easy to move workstation
- Inspection window and light in the compartment for better visibility and less downtime
- Superb arc characteristics, optimized for most common base materials results in less post-weld rework
- Premium 4WD (Ø 38 mm) feeding mechanism for stable performance and long parts life
- Built-in MMA welding mode gives flexibility to weld different types of base materials

Visit esab.com for more information.



Best in class wire feeding mechanism



Exeor MIG Torch with remote control



Optional top toolbox for accessories

Rustler MIG PRO compact

Specifications			
Model	Rustler EM 280C PRO	Rustler EM 350C PRO	Rustler EM 350C PRO
Mains Voltage	400 V ± 15%, 3 Ph, 50/60 Hz	400 V ± 15%, 3 Ph, 50/60 Hz	400 V ± 15%, 3 Ph / 230 V ± 15%, 3 Ph, 50/60 Hz
Welding Output MIG	280 A @ 40%	350 A @ 40%	350 A @ 40%
Welding Output, MMA	250 A @ 40%	320 A @ 40%	320 A @ 40%
Setting Range MIG	40A / 16V - 280A / 28V	30A / 15.5V -350A / 31.5V	30A / 15.5V - 350A / 31.5V
Setting Range MMA	20A / 20.8V - 250A / 30V	20A / 20.8V - 320A / 32.8V	20A / 20.8V - 320A / 32.8V
Wire feed speed range	1.5 – 22 m/min		
Primary Current I max MIG/MAG	17.6 A	20.6 A	20.6 A
Primary Current I max MMA	11.1 A	13 A	13 A
Enclosure Class	IP23	IP23	IP23
Idle Power	< 50W	< 50W	< 50W
Mains Cable Ø mm2, length m	4x2,5 mm2, 4 m	4x2,5 mm2, 4 m	4x2,5 mm2, 4 m
Operating Temperature	-10 to +40 °C (+14 to +104 °F)		
Certification Mark (Standards)	CE / UKCA		
Dimensions	977 × 487× 800 mm		
Weight	54 kg	57,5 kg	61 kg

Feature	Rustler PRO	Rustler PRO Synergic
MIG Manual	x	x
MIG Synergic		x
Spot Welding	x	x
MMA-mode	x	x
2T/4T	x	x
Inductance	x	x
Pre Flow	x	x
Creep Start	x	x
Burnback	x	x
Crater Fill	x	x
Post Flow	x	x
Fix Quick Jobs	x	x
Material Thickness Setting		x

Ordering Information		
Description	Power source	Power source + Toolbox + Torch PSF 315, 4 m
Rustler EM 280C PRO	0448280990	A448280890
Rustler EM 350C PRO	0448350991	A448350891
Rustler EM 350C PRO Synergic	0448350992	A448350892

Delivery includes Power source with 4 m input cable 3Ph 16A plug, 3 m work lead, gas hose with quick connector 4 m, drive rolls for 0.9/1.0 and 1.2 mm wire.

Rustler MIG PRO compact

Options & Accessories	
Description	Part Number
MIG Torch Exeor 315 R4, Remote, 4 m	0700026114
MIG Torch PSF 315, 3 m	0700025030
MIG Torch PSF 315, 4 m	0700025031
MIG Torch PSF 315, 5 m	0700025032
Top Storage Toolbox	0448156880
User Interface Protective Cover	0448157880
CO2 heater KIT	0700401024
Electrode holder kit, Handy 300, OKC 50, 3 m	0700006902
Electrode holder kit, Handy 300, OKC 50, 5 m	0700006888
Quick Connector Marathon Pac	F102440-880

Wear & Spare Parts			
Description	Groove / Side 1	Groove / Side 2	Part Number
Feed Roller V-Groove for Fe/SS/Cored Wire			
Feed Roller V Groove	0.6 mm	0.8 mm	0445850001
Feed Roller V Groove	0.8 mm	0.9 / 1.0 mm	0445850002
Feed Roller V Groove*	0.9 / 1.0 mm	0.9 / 1.0 mm	0445850003
Feed Roller V Groove	0.9 / 1.0 mm	1.2 mm	0445850004
Feed Roller V Groove	1.2 mm	1.2 mm	0445850005
Feed Roller V-Groove for Cored Wire			
Feed Roller V-K Groove	0.9 / 1.0 mm	1.2 mm	0445850030
Feed Roller V-K Groove	1.2 mm	1.2 mm	0445850031
Feed Roller V-K Groove	1.2 mm	1.4 mm	0445850032
Feed Roller U-Groove for Aluminium Wire			
Feed Roller U Groove	0.8 mm	1.0 mm	0445850050
Feed Roller U Groove	1.0 mm	1.2 mm	0445850051
Feed Roller U Groove	1.2 mm	1.6 mm	0445850052
Wire Guide	Inlet Nozzle	Middle Nozzle	Outlet Nozzle
Outlet Wire Guide for Fe/SS/C 0.6–1.6 mm	0445822001	0446080882	0445830881
Outlet Wire Guide for Al 0.8–1.6 mm	0445822001	0446080881	0445830885

For complete list of wear and spare parts please see separate manual.

* Included in delivery.



ESAB / esab.com






**INDUSTRIAL STICK AND TIG
PERFORMANCE FOR ALL.**

FABRICATOR

Get superior value while maximizing your output and energy savings with a reliable, efficient inverter.

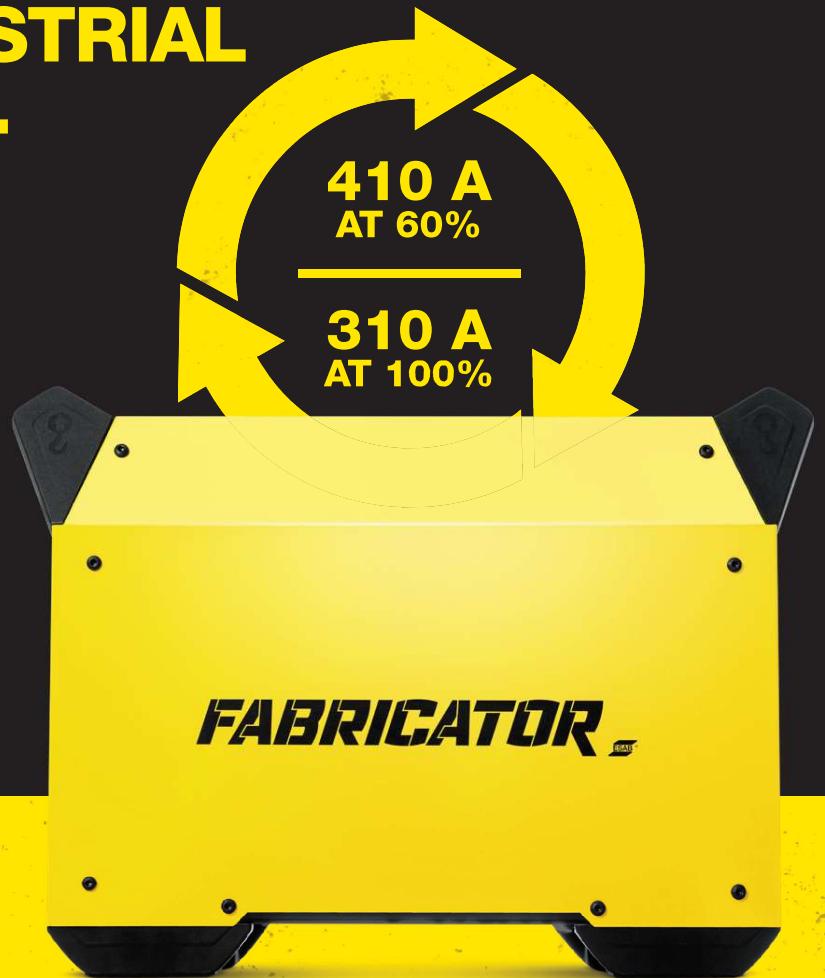


AS A WELDING OPERATOR, YOUR WORK CAN BE UNPREDICTABLE. BUT YOU CANNOT AFFORD TO TOLERATE UNPREDICTABILITY WHEN IT COMES TO YOUR WELDING FLEET. AT ESAB, WE HAVE BEEN WORKING HARD TO CREATE A RELIABLE AND USER-FRIENDLY WELDING MACHINE THAT SAVES OUR CUSTOMERS TIME AND MONEY. THAT'S FABRICATOR: **THE POWERFUL, EFFICIENT, AND AFFORDABLE INDUSTRIAL WELDING EQUIPMENT DESIGNED FOR EASE OF USE AND VERSATILITY.**

RELIABLE INDUSTRIAL PERFORMANCE.

Fabricator's inverter-based technology allows for better power efficiency, easier operation, and better overall utility for heavy-industrial welding applications.

- Welding output up to 410 A at 60% duty cycle and 310 A at 100% duty cycle, and 3ph 380–440 V input voltage
- Optional Cool 2 cooling unit for ET 410iP high-amperage TIG welding available
- Proven industrial-grade IP23S housing for indoor and outdoor use
- Easy-to-open side panel for preventative maintenance



**MORE
ENERGY
SAVINGS**



IMPRESSIVE ENERGY EFFICIENCY.

With 89% stick and 86% TIG energy efficiency and low idle power consumption, Fabricator is built with inverter-based technology to provide more energy savings by consuming less power – ultimately saving you more in energy costs per year.

Fabricator complies with new CE eco-design regulations for eco-friendly welding equipment, helping you save on energy costs with a power source efficiency greater than 85% and 40 W idle power consumption.



**STICK POWER
EFFICIENCY**



**TIG POWER
EFFICIENCY**



EASY TO USE AND ADJUST.

Achieve the best weld quality quicker and easier with Fabricator's advanced welding capabilities and simple controls.

- Hot start and arc force to set amperage quickly and easily for optimal welding results with any electrode size and type (for ES 410iC)
- Visual weld process diagram for easy setting of all parameters at every step of the weld (for ET 410iP)

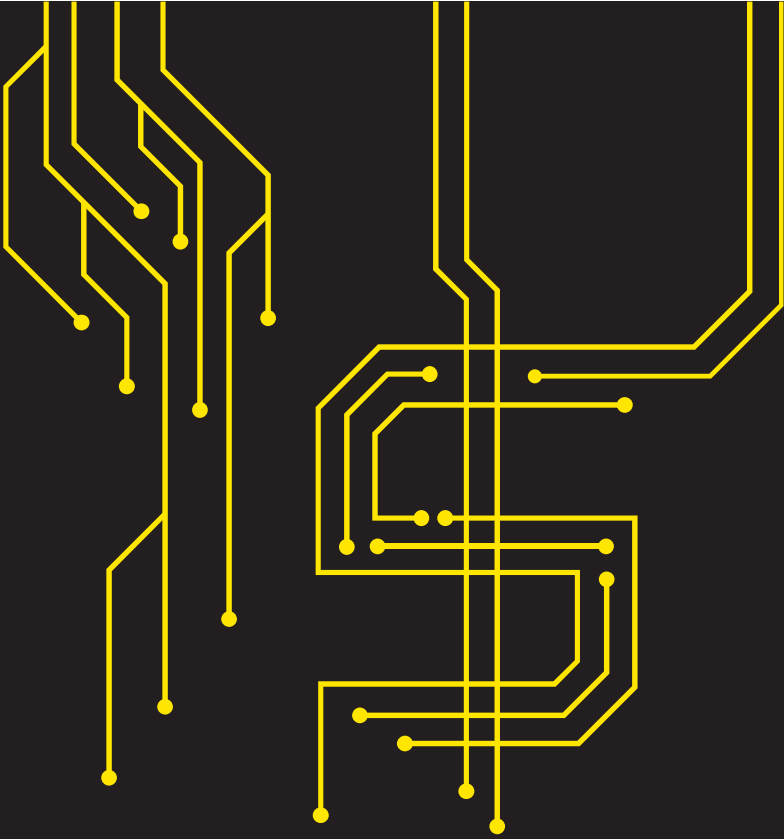


DESIGNED FOR STABLE MOBILITY.

Safely move Fabricator anywhere in your shop.

- Easier to move manually or by crane with strong handles at both ends
- Strong, crane-safe lifting handles – no special accessories needed
- Compatible with Cool 2 and Trolley 3-in-1 for the water-cooled ET 410iP





SUPERIOR OVERALL VALUE.

Fabricator brings you all the added benefits of inverter technology, but with a lower cost of operation when compared to conventional transformer welding machines.



PURE STICK POWER.

Get best-in-class stick performance with electrodes of any size (2–6 mm) – including cellulose electrodes – with Fabricator’s stick inverter made for heavy-industrial stick and TIG (LiveTIG) welding and CC Air Carbon Arc Gouging.

- Streamlined LED control panel for easy-to-optimize settings
 - Anti-stick prevents electrode from sticking to the weld puddle
 - Arc force stabilizes the arc to ensure optimal weld quality
 - Hot start increases the ease of starting electrodes
 - VRD lowers open-circuit voltage (OCV) to prevent electric sparking in damp or dangerous environments
 - Gouging removes metal for cutting, beveling, or weld defect repairs

STICK SPECIFICATIONS

Mains Voltage	380–400 V / 415–440 V, VAC (-15% +10%), 3ph, 50/60 Hz
Fuse Slow	32 A
Welding Output	410 A at 60% duty cycle, at 40°C 310 A at 100% duty cycle, at 40°C
Setting Range, MMA/TIG	30–410 A / 10–410 A
Efficiency Max Current	89% MMA and 86% TIG
Idle Power Consumption	40 W (VRD OFF), 15 W (VRD ON)
Maximum Open Circuit Voltage (Max. with VRD ON)	76 VDC (15 VDC)
Enclosure Class	IP21S (410iC, CCC) IP23S (410iC, CE and 410iC, Non-CE)
Operating Temperature	-10°C to +40°C (+14°F to +104°F)
Certification Mark (Standards)	CE/CCC
Dimensions (L x W x H)	525 x 280 x 475 mm
Weight	35.2 kg

ORDERING INFORMATION

Power Source	
Fabricator ES 410iC, Non-CE	0447100880
Fabricator ES 410iC, CE	0447100881
Fabricator ES 410iC, CCC	0447100882

OPTIONS & ACCESSORIES

SR-B 26 V-HD Torch, Air, OKC 50, 4 m	0700025530
SR-B 26 V-HD Torch, Air, OKC 50, 8 m	0700025531
MMA 4 Analogue Remote Control (with 10 m Cable and 8-Pin Connector)	0700500084
MMA Kit, Ready-to-Weld (with 5 m and 3 m Welding Cables, 50 mm ²)	0700300910

TOP-OF-THE-LINE TIG PERFORMANCE.

Advanced TIG welding capabilities are made easier with Fabricator's TIG inverter. Ideal for HF TIG pulse and stick welding, it's designed to be durable enough for your most demanding jobs.

- Streamlined LED control panel for easy-to-optimize settings
 - High frequency allows for easy arc starts
 - Start pulse (micropulse) improves arc stability from the start
 - Spot mode made for easy tack welding
 - 4TS allows for manual pulsing when needed
 - Built for any application with pulse from 0.5 to 250 Hz

Customize Fabricator with accessories for any application.

- Electrode holders or TIG torches created to meet a variety of needs
- Adapter for ESAB Cool 2 and Trolley 3-in-1 available for water-cooled TIG systems

TIG SPECIFICATIONS	
Mains Voltage	380–400 V / 415–440 V, VAC, 3 Phases, 50/60 Hz
Fuse Slow	32 A
Welding Output	410 A at 60% duty cycle, at 40°C 310 A at 100% duty cycle, at 40°C
Setting Range, MMA/TIG	30–410 A / 5–410 A
Pulse Background Current Settings Range	10% to 90% of set current
Pulse Frequency	0.5–250 Hz
Efficiency Max Current	89% MMA and 86% TIG
Idle Power Consumption	40 W (VRD OFF), 15 W (VRD ON)
Maximum Open Circuit Voltage (Max. with VRD ON)	76 VDC (15 VDC)
Enclosure Class	IP23S
Operating Temperature	-10°C to +40°C (+14°F to +104°F)
Certification Mark (Standards)	CE/CCC
Dimensions (L x W x H)	525 x 280 x 475 mm
ORDERING INFORMATION	
Fabricator ET 410iP, Non-CE	0447101880
Fabricator ET 410iP, CE	0447101881
Fabricator ET 410iP, CCC	0447101882
OPTIONS & ACCESSORIES	
SR-B 26 HD Torch, Air, OKC 50, 4 m	0700025526
SR-B 26 HD Torch, Air, OKC 50, 8 m	0700025527
MMA 4 Analogue Remote Control Incl. 10 m Cable and 8-Pin Connector	0700500084
MMA Kit (Ready-to-Weld) 5 m + 3 m Welding Cables, 50 mm ²	0700300910
Water Cooler Adapter for Cool 2 Cooler	0447248001
Cool 2 Water Cooler	0465427880
Coolant 10 l	0465720002
Trolley 3-in-1 for Water-Cooled System with Cool 2 and Adapter	0349313450
SR-B 18 Torch, Water, OKC 50, 4 m	0700025550
SR-B 18 Torch, Water, OKC 50, 8 m	0700025551
SR-B 21 Torch, Water, OKC 50, 4 m	0700025544
SR-B 21 Torch, Water, OKC 50, 8 m	0700025545
SR-B 21-R Torch, Water, OKC 50, 8 m	0700025894
SR-B 21-R Torch, Water, OKC 50, 12 m	0700025895
TIG Foot Control, 4.6 m cable and 8-pin connector	W4014450



Choose Fabricator: the more reliable and efficient industrial welding solution. Contact your ESAB distributor to order a Fabricator package today, and visit [esab.com/fabricator](https://www.esab.com/fabricator) to learn more.

Fabricator ET 410iP

Heavy-Duty HF TIG pulse industrial inverter welder



Fabricator ET 410iP

Industry

- Pipe Workshops
- Pipelines
- Pressure Vessels
- Oil&Gas
- General Steel Fabrication
- Shipyards

Fabricator ET 410iP is a heavy-duty inverter-controlled power source for HF TIG Pulse welding and MMA (Stick) welding.

The Fabricator ET 410iP is built to withstand rugged use, making it a perfect solution for industrial usage. Ideal for heavy industries.

- The intuitive control panel of the ET 410iP makes it easy to optimize settings, reducing the time taken for achieving the best weld characteristics
- Equipped with High Frequency for easy arc starts and Start Pulse (micropulse) which preheats the Tungsten electrode for improved arc stability from the start.
- Pulse background current between 10% and 90% of the set current and pulsing frequency from 0.5 to 250Hz, for optimal pulse in each application.
- Spot mode for easy tack welding and 4TS to be able to pulse only when it's necessary
- Wide mains voltage tolerance allows for stable welding
- Inverter controlled for high efficiency and low power consumption
- Excellent welding performance with Stick electrodes

Visit esab.com for more information.



Easy to use intuitive control panel

Fabricator ET 410iP

Specifications	
Mains Voltage (Welding Input)	380-400-415-440 VAC (-15% +10%), 3 Ph, 50/60 Hz
Fuse Slow	32 A
Welding Output	410 A / V at 60% Duty Cycle, at 40°C 310 A / V at 100% Duty Cycle, at 40°C
Setting Range MMA/TIG	30 – 410 A / 5 – 410 A
Pulse Background Current Settings Range	10% to 90% of set current
Pulse frequency	0.5 – 250Hz
Efficiency Max Current	89% MMA and 86% TIG
Idle power consumption	40W (VRD OFF) 15W (VRD ON)
Maximum Open Circuit Voltage (Max. With VRD ON)	76 VDC (15VDC)
Enclosure class	IP23S
Operating Temperature	-10 to +40 °C (+14 to +104 °F)
Certification Mark (Standards)	CE / CCC
Dimensions LxWxH	525 × 280 × 475 mm
Weight	35.2 kg

Ordering Information	
Fabricator ET 410iP, Non-CE	0447101880
Fabricator ET 410iP, CE	0447101881
Fabricator ET 410iP, CCC	0447101882

Options & Accessories	
SR-B 26 HD Torch, Air, OKC 50, 4 m	0700025526
SR-B 26 HD Torch, Air, OKC 50, 8 m	0700025527
MMA 4 Analogue Remote Control incl. 10 m cable and 8-pin connector	0700500084
MMA Kit (Ready-to-weld) 5 m + 3 m welding cables, 50mm ²	0700300910
Water cooler adapter for COOL 2 cooler	0447248001
COOL 2 water cooler	0465427880
Coolant 10 l.	0465720002
Trolley 3-in-1 for water cooled system with COOL 2 and adapter	0349313450
SR-B 18 Torch, Water, OKC 50, 4 m	0700025550
SR-B 18 Torch, Water, OKC 50, 8 m	0700025551
SR-B 21 Torch, Water, OKC 50, 4 m	0700025544
SR-B 21 Torch, Water, OKC 50, 8 m	0700025545
SR-B 21-R Torch, Water, OKC 50, 8 m	0700025894
SR-B 21-R Torch, Water, OKC 50, 12 m	0700025895
TIG Foot Control, 4.6 m cable and 8-pin connector	W4014450



ESAB / esab.com



Fabricator ES 410iC

Heavy-Duty industrial inverter welder



Fabricator ES 410iC

Industry

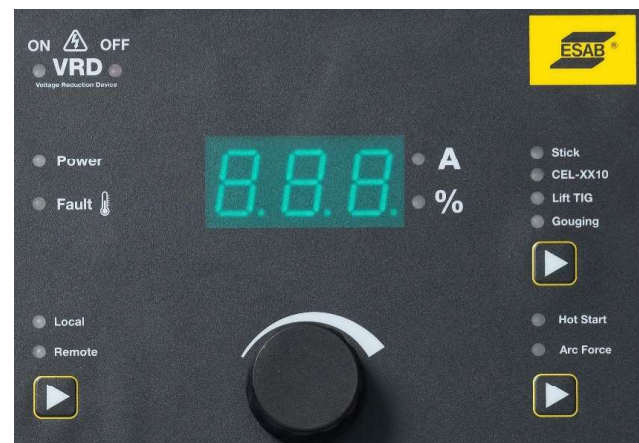
- Pipe Workshops
- Industrial and General Fabrication
- Civil Construction
- Pressure Vessels
- Ship and Offshore Yards

Fabricator ES 410iC is a heavy-duty inverter-controlled power source for MMA (Stick) welding, TIG (live-TIG) welding and CC Carbon-Air Arc Gouging.

The Fabricator ES 410iC is built to withstand rugged use making it a perfect solution for industrial usage. Ideal for heavy industries using all types of electrodes, including Cellulosic.

- The intuitive control panel of the ES 410iC makes it easy to optimize settings, reducing the time taken for achieving the best weld characteristics
- Equipped with Hot Start and Arc Force with the possibility to adjust parameters during welding. Hot Start helps to avoid starting problems while Arc Force sets the intensity of the arc for improved weld quality
- Built-in Anti-Stick function to prevent the electrode from getting accidentally stuck in the puddle
- Wide mains voltage tolerance allows for stable welding
- Inverter controlled for high efficiency and low power consumption
- Excellent welding performance with all types of electrodes including Cellulosic

Visit esab.com for more information.



Easy to use intuitive control panel

Fabricator ES 410iC

Specifications	
Mains Voltage (Welding Input)	380-400-415-440 VAC (-15% +10%), 3 Ph,50/60 Hz
Fuse Slow	32 A
Welding Output	400 A at 60% Duty Cycle, at 40°C 310 A at 100% Duty Cycle, at 40°C
Setting Range MMA/TIG	30 – 410 A / 10 – 410 A
Efficiency Max Current	89% MMA and 86% TIG
Idle Power Consumption	40 W (VRD OFF) 15 W (VRD ON)
Maximum Open Circuit Voltage (Max. With VRD ON)	76 VDC (15VDC)
Enclosure Class, CCC	IP21S
Enclosure Class, CE / non-CE	IP23S
Operating Temperature	-10 to +40 °C (+14 to +104 °F)
Certification Mark (Standards)	CE / CCC
Dimensions LxWxH	525 × 280 × 475 mm
Weight	35.2 kg

Ordering Information	
Fabricator ES 410iC, Non-CE	0447100880
Fabricator ES 410iC, CE	0447100881
Fabricator ES 410iC, CCC	0447100882

Options & Accessories	
SR-B 26V-HD Torch, Air, OKC 50, 4 m	0700025530
SR-B 26V-HD Torch, Air, OKC 50, 8 m	0700025531
MMA 4 Analogue Remote Control incl. 10 m cable and 8-pin connector	0700500084
MMA Kit (Ready-to-weld) 5 m + 3 m welding cables, 50 mm ²	0700300910



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**INDUSTRIAL
PERFORMANCE FOR ALL.**

FABRICATOR

Maximise your output and save energy with
a reliable, efficient, and affordable inverter.

As a welding operator, your work can be unpredictable. But you cannot afford to tolerate unpredictability when it comes to your welding fleet. At ESAB, we have been working hard to create a reliable and user-friendly welding machine that saves our customers time and money. Meet Fabricator: the powerful, efficient, and affordable industrial welding workstation designed for maximum mobility around your shop – so your production never misses a step.

BENEFITS AND FEATURES.

RELIABLE INDUSTRIAL PERFORMANCE.

Fabricator's inverter-based technology allows for better power efficiency, easier operation, and better overall utility for heavy-industrial welding applications.

- Designed for heavy-industrial MIG, flux cored, and stick applications
- Welding output up to 400 A and 500 A at 60% duty cycle
- Optimised welding performance for different wire sizes (0.8–1.6 mm) and gases means you can achieve high-quality welds even with pure CO₂ shielding gas
- Built with a 4-wheel-drive feeding system for wire feed speeds up to 25 m/min.
- Available with or without integrated cooling unit
- Proven industrial-grade IP23 housing for indoor and outdoor use
- Easy-to-open side panel for preventative maintenance



IMPRESSIVE ENERGY EFFICIENCY.

With 87% energy efficiency and low idle, Fabricator provides more energy savings by consuming less power – saving you €600* or more in energy costs per year.

**Estimated for two shifts welding 350 A at 40% duty cycle compared to standard transformer technology.*

Fabricator complies with new European regulations for eco-friendly welding equipment, helping you save on energy costs with a power source efficiency greater than 85% and idle power below 50 W.



POWER EFFICIENCY



EASY TO USE AND ADJUST.

Fabricator is simple to operate, containing only the settings and functions needed to make welding easy and understandable.

- Quickly and easily set voltage and wire feed speed remotely in the wire feeder

DESIGNED FOR STABLE MOBILITY.

Safely move Fabricator from one location to the next. The fully mobile welding workstation navigates easily around stationary workpieces in your shop.

- Easily load and unload with low-profile cylinder tray and chain-locking mechanism to keep cylinder secure
- Large, wide wheels ensure stable movement around the shop
- Compatible with ESAB counterbalance device – no extra accessories needed
- Compact design with cable connectors located on the back of the machine
- Cable holders on both sides of the unit for organised cables that stay out of your way
- Crane-safe lifting handles – no special accessories needed



SUPERIOR OVERALL VALUE.

Fabricator brings you all the added benefits of inverter technology, but with a lower cost of operation when compared to conventional transformer welding machines.



SPECIFICATIONS AND ORDERING INFORMATION.

SPECIFICATIONS		
Power Source	Fabricator EM 401i	Fabricator EM 501i
Main Voltage	380–415 V, 3ph, ±10%, 50/60 Hz	380–415 V, 3ph, ±10%, 50/60 Hz
Welding Output, MIG/MAG	400 A at 60%; 310 A at 100%	500 A at 60%; 390 A at 100%
Setting Range, MIG/MAG	30 A / 15.5 V–400 A / 34.0 V	30 A / 15.5 V–500 A / 39.0 V
Wire Dimensions	0.8–1.2 mm	1.0–1.6 mm
Operating Temperature	-10°C to +40°C	-10°C to +40°C
Dimensions (L x W x H)	1,035 x 500 x 1,015 mm	1,035 x 500 x 1,015 mm
Weight without Cooling Unit	102.0 kg	–
Weight with Cooling Unit (without Coolant)	107.5 kg	111.5 kg
Enclosure Class	IP23	IP23
Efficiency at Maximum Current (%)	86%	87%
Energy Save Mode	< 35 W	< 35 W
Cooling Unit	COOL 2F	
Cooling Power	1 kW at 25°C ambient temperature	
Coolant Volume and Max Flow	4.5 L and 1.8 L/min.	
Wire Feeder	Fabricator Feed 304	Fabricator Feed 304w
Drive System and Wire Feed Speed	4-wheel drive; 1.5–25 m/min.	4-wheel drive; 1.5–25 m/min.
Wire Spool Capacity/Diameter	18 kg/300 mm	18 kg/300 mm
Wire Dimensions	0.8–1.6 mm	0.8–1.6 mm
Dimensions (L x W x H)	675 x 265 x 418 mm	675 x 265 x 418 mm
Water Cooling	–	Yes
Weight	13.9 kg	14.2 kg

ORDERING INFORMATION			
Power Source	Ordering Number		
Fabricator EM 501i with Integrated Cooling Unit	0446400882		
Fabricator EM 401i with Integrated Cooling Unit	0446400883		
Fabricator EM 401i	0446400884		
Feeder			
Fabricator Feed 304	0446401881		
Fabricator Feed 304w	0446401882		
Interconnection Cable [†]	400 A – Gas	400 A – Water	500 A – Water
2.0 m	0459836880	0459836890	0459836990
5.0 m	0459836881	0459836891	0459836991
10.0 m	0459836882	0459836892	0459836992
Torch	3 m	4 m	5 m
MXL 341, Gas Cooled	0700025240	0700025241	0700025242
MXL 411w, Water Cooled	0700025250	0700025251	0700025252
MXL 511w, Water Cooled	0700025260	0700025261	0700025262

[†]Other cable lengths available. See more details in the fact sheet and at esab.com.

Choose Fabricator: the more reliable and efficient industrial welding solution. Contact your ESAB distributor to order a Fabricator package today, and visit esab.com/fabricator to learn more.

CUSTOMISE FABRICATOR WITH ACCESSORIES FOR ANY APPLICATION:

- **Wire feeder counterbalance device** for better reach and ergonomics when welding large objects
- **Lifting eye** to mount the wire feeder above your workpiece, enabling a more productive setup with a wider reach
- **Marathon Pac™ connectors** attach the wire feeder to bulk wire for streamlined high-volume production
- **Feeder wheel kit** improves the mobility of the feeder around the workpiece

OPTIONS & ACCESSORIES	
Model	Ordering Number
Wheel Kit, Front Wheels Turn	0458707880
Wheel Kit, All Wheels Turn	0458707881
Lifting Eye	0458706880
Strain Relief for Welding Torch	0457341881
Strain Relief Bracket for Interconnection Cable Set	0459234880
Quick Connector Marathon Pac	F102440880
Counterbalance Arm	0458705880

UNRIVALLED SERVICE AND SUPPORT.

Fabricator, like every ESAB machine, is 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 maintenance and upgrading of machines.

For more information on Fabricator, visit esab.com/fabricator.

3-YEAR WARRANTY.

ESAB's industry-leading service and support means that if customers do need help, they will be protected by the most comprehensive warranty in the business.



ESAB / esab.com



XA00224720 / UK / English / 19-04-21

Fabricator EM 401i/501i

Rugged & reliable inverter



Fabricator EM 501i with integrated cooling unit

Fabricator are heavy duty inverter controlled power sources for MIG/MAG and MMA (Stick) welding. Built to withstand rugged use which makes it a perfect solution for industrial usage. Ideal for heavy industries using solid and flux-cored wires together with Fabricator Feed.

- Rugged and Reliable welding system for heavy application, 400 A or 500 A at 60% Duty Cycle
- Three variants, one 500 with integrated cooling unit and two 400 with and without cooling unit
- Energy savings with high power factor, high efficiency and low idle power
- Lower cost of operation. Delivers all the added benefits of an inverter technology at a similar price as a conventional transformer machine
- The machine is built in with integrated wide and large wheels and cylinder support to facilitate moving around the workshop. Also includes two side cable handling supports
- Wide voltage tolerance for stable welding output
- Variable inductance control for better arc performance
- IP23 use anywhere, for field and workshop applications

Visit esab.com for more information.

Industry

- Civil Construction
- Industrial and General Fabrication
- Repair and Maintenance



Fabricator EM 501i with integrated cooling unit and Counterbalance Arm

Fabricator EM 401i/501i

Specifications		
Model	EM 401i	EM 501i
Mains Voltage	380 - 415 V, 3ph, ± 10%, 50/60 Hz	380 - 415 V, 3ph, ± 10%, 50/60 Hz
Welding Output, MIG/MAG	400 A @ 60% 310 A @ 100%	500 A @ 60% 390 A @ 100%
Welding Output, MMA	400 A @ 60% 310 A @ 100%	500 A @ 60% 390 A @ 100%
Setting Range, MIG/MAG	30 A / 15.5V – 400 A / 34 V	30 A / 15.5V – 500 A / 39 V
Setting Range, MMA	30 A / 21.2V – 400 A / 36 V	30 A / 21.2V – 500 A / 40 V
Wire Dimensions	0.8 – 1.2 mm	1.0 – 1.6 mm
Efficiency at Max Current	86 %	87 %
Power Factor Max Current	0.91	0.91
Energy Save Mode	< 35 W	< 35 W
Mains Cable Ø mm ²	4 x 6	4 x 6
Operating Temperature	-10 to +40 °C	-10 to +40 °C
Dimensions L x W x H	1035 x 500 x 1015 mm	1035 x 500 x 1015 mm
Weight w/o cooling unit	102.0 kg	-
Weight w/ cooling unit w/o coolant	107.5 kg	111.5 kg
Weight w/ cooling unit & coolant	111.5 Kg	115.5 kg
Enclosure Class	IP23	IP23
Application Class	S	S
Insulation Class	H	H
Certification Mark	CE, EAC	CE, EAC
Cooling Unit COOL 2F		
Cooling Power	1 kW at 25°C ambient temperature	
Coolant Volume	4.5 l	
Maximum Water Flow	1.8 l/min	
Fabricator Feed 304/304w		
Wire Feed Speed	1.5 – 25.0 m/min	
Wire Spool Capacity	18 kg	
Max Spool Diameter	300 mm	
Wire Dimensions		
Mild Steel	0.8 – 1.6 mm	
Stainless Steel	0.8 – 1.6 mm	
Cored Wire	0.9 – 1.6 mm	
Dimensions	675 x 265 x 418 mm	
Weight – Fabricator Feed 304	13.9 kg	
Weight – Fabricator Feed 304w	14.2 kg	

Ordering Information	
Fabricator EM 501i with integrated cooling unit *	0446400882
Fabricator EM 401i with integrated cooling unit *	0446400883
Fabricator EM 401i *	0446400884
Fabricator Feed 304	0446401881
Fabricator Feed 304w	0446401882

* Delivery includes 5 m mains cable, wheels, 5 m return cable with clamps, shelf for gas cylinder and a guide pin for the wire feeder, instruction manual.

Fabricator EM 401i/501i

Interconnection Cables	
Interconnection Cables - 70mm ² , Gas-Cooled, 2.0m	0459836880
Interconnection Cables - 70mm ² , Gas-Cooled, 5.0m	0459836881
Interconnection Cables - 70mm ² , Gas-Cooled, 10.0m	0459836882
Interconnection Cables - 70mm ² , Gas-Cooled, 15.0m	0459836883
Interconnection Cables - 70mm ² , Gas-Cooled, 25.0m	0459836884
Interconnection Cables - 70mm ² , Water-Cooled, 2.0m	0459836890
Interconnection Cables - 70mm ² , Water-Cooled, 5.0m	0459836891
Interconnection Cables - 70mm ² , Water-Cooled, 10.0m	0459836892
Interconnection Cables - 70mm ² , Water-Cooled, 15.0m	0459836893
Interconnection Cables - 70mm ² , Water-Cooled, 25.0m	0459836894
Interconnection Cables - 95mm ² , Water-Cooled, 2.0m	0459836990
Interconnection Cables - 95mm ² , Water-Cooled, 5.0m	0459836991
Interconnection Cables - 95mm ² , Water-Cooled, 10.0m	0459836992
Interconnection Cables - 95mm ² , Water-Cooled, 15.0m	0459836993
Interconnection Cables - 95mm ² , Water-Cooled, 25.0m	0459836994

Torches	
MXL 341 Gas-Cooled Torch with Euro connection, 3 m	0700025240
MXL 341 Gas-Cooled Torch with Euro connection, 4 m	0700025241
MXL 341 Gas-cooled Torch with Euro Connection, 5 m	0700025242
MXL 411W Water-cooled Torch with Euro Connection, 3 m	0700025250
MXL 411W Water-cooled Torch with Euro Connection, 4 m	0700025251
MXL 411W Water-cooled Torch with Euro Connection, 5 m	0700025252
MXL 511W Water-cooled Torch with Euro Connection, 3 m	0700025260
MXL 511W Water-cooled Torch with Euro Connection, 4 m	0700025261
MXL 511W Water-cooled Torch with Euro Connection, 5 m	0700025262

Options & Accessories	
Wheel Kit, front wheels turn	0458707880
Wheel Kit, all wheels turn	0458707881
Strain Relief for Welding Torch	0457341881
Strain Relief bracket for Interconnection Cable set	0459234880
Quick Connector Marathon Pac™	F102440880
Counterbalance Arm	0458705880
Coolant 10 l (3 gal)	0465720002

Fabricator EM 401i/501i



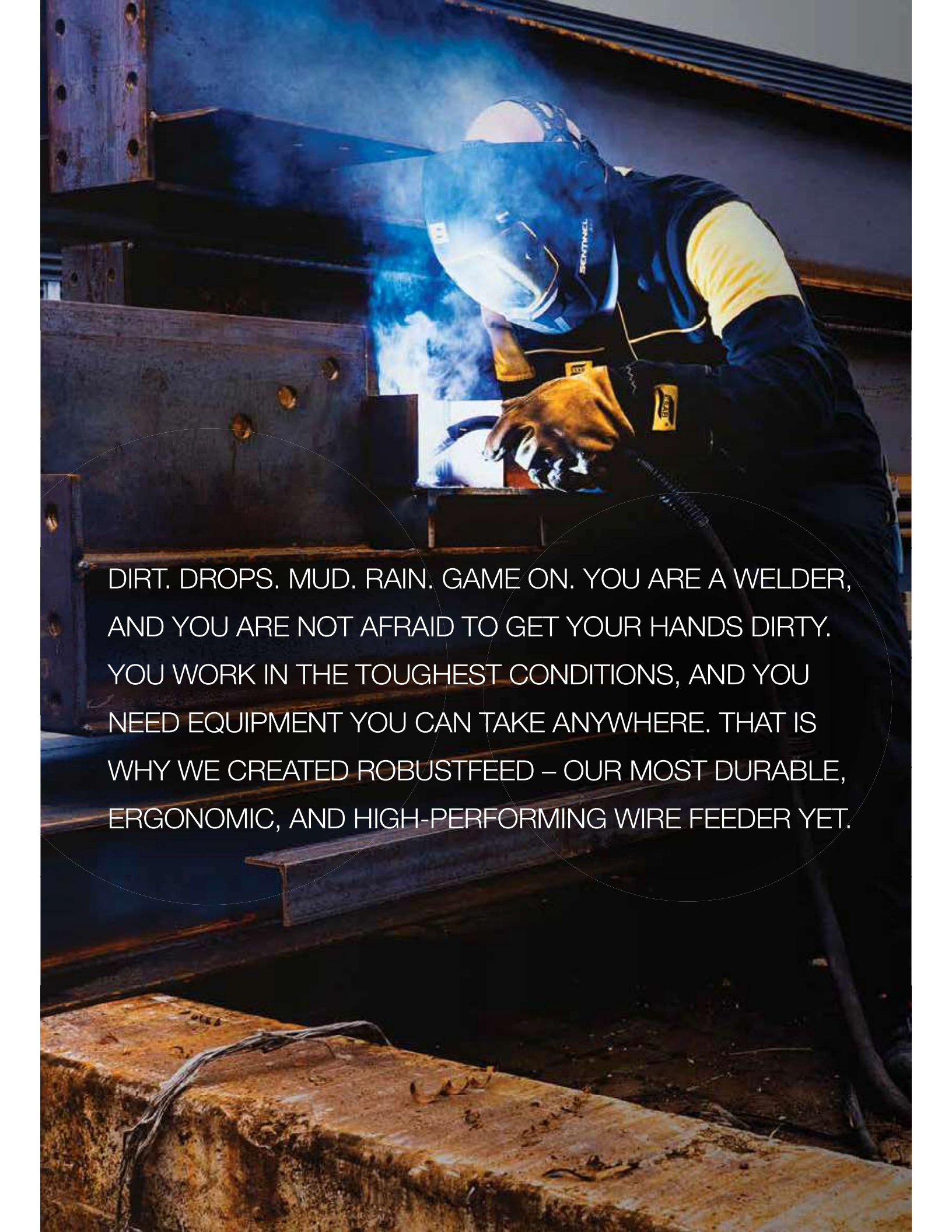
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FIERCELY TESTED.
JOBSITE READY.

ROBUST
FEED



DIRT. DROPS. MUD. RAIN. GAME ON. YOU ARE A WELDER,
AND YOU ARE NOT AFRAID TO GET YOUR HANDS DIRTY.
YOU WORK IN THE TOUGHEST CONDITIONS, AND YOU
NEED EQUIPMENT YOU CAN TAKE ANYWHERE. THAT IS
WHY WE CREATED ROBUSTFEED – OUR MOST DURABLE,
ERGONOMIC, AND HIGH-PERFORMING WIRE FEEDER YET.

ULTIMATE DURABILITY INSIDE AND OUT.

EXTERNAL PROTECTION.

Impact-proof – RobustFeed's double-walled design with special impact zones is perfect for enduring daily use in tough conditions. Drop it, drag it, throw it around – RobustFeed can take it.

Weather-proof – Extreme elements are no problem for RobustFeed. It works in freezing cold temperatures, and it is the only portable wire feeder with an IP44 rating for superior protection against dirt, mud, splashes, and even heavy rain.

Sun-proof – RobustFeed will keep working in temperatures up to 55 °C, and its bright front display is readable in even the sunniest conditions.



INTERNAL PROTECTION.

Shielded connections – Superior protection for the interconnection cable and all connectors inside the housing helps prevent broken cables when moving around and creates the best strain-relief solution on the market.

Shielded spools – RobustFeed protects the filler metal inside the unit like no other feeder, and the offshore version includes a heat kit to always keep the spool dry.

Shielded electronics – A dust-protected compartment protects the internal components even while the feeder is open, and special cable connections protect the feeder against short circuits in both the torch and the interconnection cables.



RUGGED AND READY FOR ANYTHING.

UNRIVALLED PORTABILITY.

RobustFeed has three comfortable handles (all are crane certified) and two additional lifting points for best-in-class portability and manoeuvrability, making it easy to lift and carry through confined spaces and around obstacles. Rounded edges and special high-durability wear surfaces let you drag it anywhere without catching on other objects. The optional flat and vertical wheel kits and trolley integration allow for even greater mobility. The new design can handle power source cables up to 100 metres long, so you will always get to where you need to weld – in the shop or the field.



UNMATCHED PERFORMANCE.

The PreciDrive wire delivery system combines high precision, power and reliability to feed solid wires up to 2.0 mm and cored wires up to 2.4 mm. The PreciDrive drive stand is operator-friendly, featuring toolless wear part replacement, LED lights and safe wire changeover that does not require opening the pressure arms. When it comes to power, RobustFeed easily handles 550 A at 50% duty cycle, 500 A at 60%, and 400 A at 100%, enabling productivity that few other portable feeders can provide.



PRECIDRIVE



UNBEATABLE USABILITY.

Streamlined display – RobustFeed’s clear and bright front panel display contains only the most important settings, keeping the other settings well protected inside the housing.

Easy-to-use controls – Large, distinct knobs and push buttons make it easy to operate the unit – even while wearing thick welding gloves.

Integrated gas flow – RobustFeed comes with an integrated gas flow meter inside the unit (offshore version), allowing for quick gas flow adjustments.

Onboard settings – Seamlessly control all weld settings right from the wire feeder, no matter where your power source is located.

Maintenance-friendly – RobustFeed’s design allows for quick access to the electronics and motor for easy service and repair, and the tool-less wire feeding system makes spool changeouts quick and wire setup simple.

Flexible performance – Works in both vertical and horizontal alignment with the ability to rotate the display 90 degrees to adjust your viewing angle. The horizontal wheel kit gives the feeder a low, stable profile.



ROBUST CC/CV SOLUTIONS.

WARRIOR™ 400i, 500i, AND 750i WITH ROBUSTFEED PRO.

Warrior is the reliable multi-process power source designed for heavy-duty productivity with up to 500 A of output. Paired with RobustFeed Pro, it is the most durable and dependable combination for heavy-duty MIG (GMAW) welding with stick (MMA), TIG (GTAW), and gouging capabilities.

Warrior 750i CC/CV is the ideal solution for ultimate gouging capabilities. It features optimised performance for 16 mm electrodes and an 850 A maximum output.

Inverter technology – Warrior delivers the outstanding portability, arc performance, and energy savings you expect from an inverter.

High duty cycle – Warrior is capable of 400 A, 500 A, or 820 A output at 60% duty cycle for long welding runs across a variety of applications.

Durable and rugged – Warrior has a sturdy design with thick metal side panels, double bent sides, and large feet that provide clearance, making it fit for use in tough indoor and outdoor environments.

Easy to move – Warrior has ergonomic handles that are rated and marked for crane lifting, providing easy logistics. Warrior 750i's feet also provide a safe lifting area for moving with a forklift.

Simple to use – A clear and intuitive user interface with glove-friendly knobs makes setting adjustments quick and easy.



WARRIOR™ 500i AND
ROBUSTFEED PRO

WARRIOR™ 750i CC/CV
AND ROBUSTFEED PRO

ROBUST PULSE SOLUTIONS.

ARISTO® 500ix WITH ROBUSTFEED PULSE OR ROBUSTFEED U6.

Aristo 500ix is a portable heavy industrial pulse power source with a rugged and reliable mechanical design. Together with RobustFeed Pulse or RobustFeed U6, this is the ultimate portable and durable combination for advanced heavy-duty pulsed welding applications.

Advanced pulse functionality – Aristo's control panel allows for precise adjustment of welding parameters to reduce heat input and minimise spatter.

Automated weld optimisation – With preprogrammed synergic lines for a wide variety of steel, stainless, and aluminium wires, Aristo automatically adjusts welding parameters based on user input to ensure weld quality.

Rugged and easy to move – Aristo 500ix shares the sturdy, reliable design from Warrior, making it ideal for use both in the shop and out in the field. It also features ergonomic handles that are rated and marked for mechanised lifting to provide easy logistics.

Multi-process from the point of weld – Aristo 500ix's multi-process capabilities, including stick (MMA) and gouging, can be operated from the wire feeder. This eliminates the need for additional welding cables and allows the operator to control all settings, even if far away from the power source.

Simple to use – The clear and intuitive user interface has glove-friendly knobs for easy adjustments, including QSet™ technology for automatic short arc parameter setup.



ROBUSTFEED PULSE

ARISTO® 500ix AND
ROBUSTFEED U6

ROBUSTFEED SELECTION GUIDE.



**ROBUSTFEED
PRO**

**ROBUSTFEED
PULSE**

**ROBUSTFEED
U6**



red**dot** winner 2021

SPECIFICATIONS	ROBUSTFEED PRO	ROBUSTFEED PULSE, ROBUSTFEED U6 AND U82
Input Voltage	42 VAC	42 VAC
Welding Output	550 A @ 50% 500 A @ 60% 400 A @ 100%	630 A @ 35% 500 A @ 60% 400 A @ 100%
Wire Dimensions		
Mild Steel	0.6–2.0 mm	0.6–1.6 mm
Stainless Steel	0.6–1.6 mm	0.6–1.6 mm
Cored Wire	0.9–2.4 mm	0.8–2.0 mm
Aluminium	0.9–1.6 mm	0.8–1.6 mm
Wire Feed Speed	0.8–25.0 m/min.	0.8–25.0 m/min.
Wire Spool Capacity	20 kg	20 kg
Max Spool Diameter	300 mm	300 mm
Operating Temperatures	-20 °C to +55 °C	-20 °C to +55 °C
Protection Class	IP44	IP44
Certification Mark (standards)	CE	CE
Dimensions (L x W x H)	595 x 250 x 430 mm	595 x 250 x 430 mm
Weight	16.8 kg	16.7 kg

* RobustFeed was awarded the Red Dot Design award for product design.

PANEL FUNCTIONS	ROBUSTFEED PRO	ROBUSTFEED PULSE	ROBUSTFEED U6	ROBUSTFEED U82
MIG CV	X	X	X	X
MIG Pulse		X	X	X
Synergic Lines		S, Ss, Al 93 lines	S, Ss, Al 92 lines	S, Ss, Al 253 manual & 68 robotic
TIG	At power source		X	X
MMA	At power source	MMA controls and outlet on wire feeder*	MMA controls and outlet on wire feeder*	MMA controls and outlet on wire feeder*
Gouging	At power source		Gouging controls and outlet on wire feeder*	Gouging controls and outlet on wire feeder*
Gas Flow Meter	X*	X*	X*	X*
Heat Kit	X*	X*	X*	X*
2T/4T	X	X	X	X
Hot Start		X	X	X
Creep Start	X	X	X	X
Crater Fill	X	X	X	X
Burnback	Auto (solid/cored wire switch)	X	X	X
SCT	Auto (solid/cored wire switch)	X	X	X
Gas Pre and Post-flow Setting		X	X	X
QSet		X	X	X
Memory Settings		3	10	255
Amperage Setting		X	X	X
Spot Welding Time			X	X
Setting Limits			X	X (and measure limits)
Code Lock			X	X (and user levels)
Super Pulse (Pulse/Pulse, Pulse/Spray, Pulse/Short)				X
Synergic Line Creation				X
Dual Feeders Set-up				X
Push-Pull Support		X*	X*	X*
MechMig Support		X*	X*	X*

*Depending on variant.



**ROBUSTFEED
PRO**



**ROBUSTFEED
PULSE**



**ROBUSTFEED
U6**



**ROBUSTFEED
U82**

SPECIFICATIONS AND ORDERING INFORMATION.

POWER SOURCE MODEL	WARRIOR 400i	WARRIOR 500i	WARRIOR 750i CC/CV	ARISTO 500ix
Mains Input	380–415 V, 3ph, ±10%, 50/60 Hz	380–415 V, 3ph, ±10%, 50/60 Hz	380–460 V, 3ph, ±10%, 50/60 Hz	380–460 V, 3ph, ±10%, 50/60 Hz
Fuse Slow	25 A	32 A	80 A	32 A
Generator Minimum Rated Power (AVR)	40 kW	40 kW	75 kW	40 kW
Permissible Load Air Arc Gouging MIG / MMA / TIG 35% Duty Cycle 60% Duty Cycle 100% Duty Cycle	– 400 A 300 A	– 500 A 400 A	850 A 820 A 750 A	– 500 A 400 A
Efficiency at Max Current MIG	90%	90%	91%	90%
Power Factor Max Current MIG	0.91	0.91	0.91	0.91
Energy Save Mode	30 W	30 W	32 W	25 W
Open Circuit Voltage	56 VDC	56 VDC	89 VDC	62 VDC
Open Circuit Voltage VRD Activated	28 VDC	28 VDC	28 VDC	32 VDC
Operating Temperature	-10 °C to +40 °C	-10° C to +40 °C	-10 °C to +40 °C	-20 °C to +40 °C
Dimensions (L x W x H)	712 x 325 x 470 mm	712 x 325 x 470 mm	850 x 415 x 637 mm	712 x 325 x 470 mm
Weight	59 kg	59 kg	101 kg	59 kg
Enclosure Class	IP23	IP23	IP23	IP23
Certification Mark	CE	CE	CE	CE

ORDERING INFORMATION

Wire Feeder	Ordering Number	Water Cooling	Gas Flow Meter & Heater	MMA Outlet	Push-Pull	Mechanised MIG	ELP ³	Remote Outlet	Power Source Options	Ordering Number
	0445800881	X						Optional remote outlet on power source	Warrior 400i CC/CV Warrior 500i CC/CV	0465350884 0465350883
	0445800883	X	X					Standard remote outlet on power source	Warrior 750i	0445555880
Robust Feed Pulse	0445800894	X						X (Wire feeder ²)	Aristo 500ix	0446200880
	0445800891	X	X	X				X (Wire feeder ¹)		
Robust Feed U6	0445800892	X	X	X	X	X	X	X (Wire feeder ¹)	Aristo 500ix Aristo U5000iw with Weldcloud	0446200880 0445400883
	0445800897	X						X (Wire feeder ²)		
Robust Feed U8 ⁵	0445800887	X	X	X				X (Wire feeder ¹)	Aristo 500ix Aristo U5000iw with Weldcloud	0446200880 0445400883
	0445800888	X	X	X	X	X	X	X (Wire feeder ¹)		
Robust Feed U8 ⁵	0445800899	X							Aristo 500ix Aristo U5000iw with Weldcloud	0446200880 0445400883
	0445800898	X	X	X			X	X (Wire feeder ¹)		
Robust Feed U0 ⁶	0445800900	X	X	X	X	X	X	X (Wire feeder ¹)	Aristo 500ix Aristo U5000iw with Weldcloud	0446200880 0445400883
Robust Feed U0 ⁶	0445800901	X					X	X (Wire feeder ²)		

1. Available remote M1

2. Available remotes, MTA1 CAN, AT1 CAN and other

3. ELP, feature needed for use with water cooled equipment with ELP, including 4004i Pulse and U5000iw

4. Miggytrac B5001, Railtrac B42V/BV2000

5. Includes U82 Plus pendant

6. Combine with one RobustFeed U82 to have two wire feeders simultaneously connected

OPTIONS AND ACCESSORIES

Product	Accessories	Ordering Number
RobustFeed	RobustFeed Wheel Kit	0446081880
	Torch Strain Relief	0446082880
	RobustFeed cart for 440 mm coils	0349313700
	Liquid Cooling Kit (to upgrade gas-cooled feeders)	0446123880
	Quick Connector Marathon Pac™	F102440880
Warrior 400i CC/CV Warrior 500i CC/CV Aristo 500ix	4-Wheel Trolley with Swivel Post for Wire Feeder, Torch Holder, Cable Holders	0349313450
	Guide Pin Extension Kit (needed with trolley when wire feeder is equipped with wheel kit)	0465508880
	2 Wheel trolley, including shelf for RobustFeed	0460564880
	Wheel Kit for Power Source	0465416880
	COOL 2 Cooling Unit (Warrior 400i/500i, Aristo 500ix)	0465427880
Warrior 750i CC/CV	Warrior 750i Trolley (air-cooled)	0446398880
	Warrior 750i Trolley (water-cooled)	0446270880
	COOL 2 Stand-Alone (for Warrior 750i)	0465427881
	Adapter Cable from OKC to LUG (to connect interconnection cable sets to Warrior 750i)	0446507880

INTERCONNECTION CABLES WITH STRAIN RELIEF	2.0 M	5.0 M	10.0 M	15.0 M	20.0 M	25.0 M	35.0 M
RobustFeed Pro (Warrior)							
70 mm², Gas-Cooled	0446160880	0446160881	0446160882	0446160883	0446160887	0446160884	0446160885
70 mm², Liquid-Cooled	0446160890	0446160891	0446160892	0446160893	–	0446160894	0446160895
95 mm², Gas-Cooled	0446160980	0446160981	0446160982	0446160983	–	0446160984	0446160985
95 mm², Liquid-Cooled	0446160990	0446160991	0446160992	0446160993	–	0446160994	0446160995
RobustFeed Pulse and U6 (Aristo)							
70 mm², Gas-Cooled	0446255880	0446255881	0446255882	0446255883	0446255884	0446255885	0446255886
70 mm², Liquid-Cooled	0446255890	0446255891	0446255892	0446255893	0446255894	0446255895	0446255896

INTERCONNECTION STRAIN RELIEF KITS	
RobustFeed Pro for Warrior*	0446050880
RobustFeed Pulse/U6 for Aristo**	0446050881

MIG TORCHES	3 M	4 M	5 M
PSF 415, Air-Cooled	0700025040	0700025041	0700025042
PSF 515, Air-Cooled	0700025050	0700025051	0700025052
PSF 420W, Water-Cooled	0700025060	0700025061	0700025062
PSF 520W, Water -Cooled*	0700025070	0700025071	0700025072

*To upgrade existing Warrior interconnection cable sets to fit with RobustFeed.
 **To upgrade existing Aristo interconnection cable sets to fit with RobustFeed.

*With dual-circuit cooling system for less heat, better wire feeding ability, and fewer production stops to change wear parts.

READY TO USE WELDING PACKAGES - DELIVERED ASSEMBLED AND PREPARED, THEY ALL INCLUDE 4 WHEEL TROLLEY, TORCH IS OPTIONAL EXCEPT WHERE NOTED

PACKAGE	POWER SOURCE	WIRE FEEDER	COOLING	INTERCONNECTION CABLE	WF WHEEL KIT ¹	PACKAGE GIN	READY TO USE, SYSTEM ASSEMBLY AND PREPARATION INCLUDED	WIRE FEEDER FEATURES				
								GAS FLOW METER & HEATER	MMA OUTLET	PUSH-PULL MECH-MIG		
400A CC/CV MIG and Multi Process	Warrior 400i CC/CV	RobustFeed Pro	Air	2 m	Included	0479100300	Yes					
				10 m							0479100301	
			Water	2 m	Included	0479100302						
				10 m		0479100303						
500A CC/CV MIG and Multi Process	Warrior 500i CC/CV	RobustFeed Pro Offshore	Air	2 m	Included	0479100310	Yes	x				
				10 m		0479100311						
			Water	No cable	Included	0479100312					Yes, but add cable ¹	
				2 m		0479100313						
750A CC/CV Multi Process	Warrior 750i CC/CV	RobustFeed Pro Offshore	Air	No cable	Included	0479100314	Yes, but add cable ¹	x				
				2 m		0479100320						
			Water	No cable	Included	0479100321					Yes, but add cable ¹	
				2 m		0479100322						
750A CC/CV Multi Process (includes K4000 Gouging torch ²)	Warrior 750i CC/CV	RobustFeed Pro Offshore	Air	No cable	Included	0479100323	Yes, but add cable ¹	x				
						0479100324					Yes, but add cable ¹	
						0479100325					Yes	
						0479100326					Yes, but add cable ¹	
500A MIG Pulse and Multi Process	Aristo 500ix	RobustFeed Pulse	Water	No Cable	Included	0479100330	Yes, but add cable ¹					
				2 m		0479100331						
				10 m		0479100332						
				No Cable		0479100333						
		RobustFeed U6	Water	No Cable	Included	2 m	Included	0479100334	Yes, but add cable ¹	x	x	
						10 m		0479100335				
						2 m		0479100336				
						10 m		0479100337				
RobustFeed U82	Water	No Cable	Included	2 m	Included	0479100338	Yes	x				
				10 m		0479100339						
500A MIG Pulse and Multi Process Weld cloud connected	Aristo 500ix	RobustFeed U6	Water	No Cable	Included	0479100340	Yes, but add cable ¹	x	x	x		
		RobustFeed U82	Water	No Cable		0479100341						
500A MIG Pulse Push-pull (includes 8 m MXH 420W PP ³)	Aristo 500ix	RobustFeed U82	Water	No Cable	Included	0479100350	Yes, but add cable ¹	x	x	x		
						0479100351						

1. Choose from the listed interconnection cable set's. The chosen interconnection set will be installed on the system
2. Includes K4000 Torch (2.1 m length + 5 m extension), includes 13 mm gouging electrodes
3. Includes torch and wire feeder wear parts for 1.2 mm AlMg (also includes wire feeder wear parts for 1.0 / 1.2 mm solid/cored steel wire)
4. Assembled on the side of RobustFeed to allow for a stable and low profile configuration

Get the feeder that keeps on feeding. Contact your ESAB distributor to order a RobustFeed package today, [and visit esab.com/robust](http://esab.com/robust) to learn more.

FEED ROLLER WEAR PARTS

V Groove for Fe/Ss/Cored	Wire Diameters					
Groove / Side 1	0.8	0.9 / 1.0	0.9 / 1.0	1.2	1.4	2.0
Groove / Side 2	0.9 / 1.0	0.9 / 1.0	1.2	1.2	1.6	2.0
GIN	0445850002	0445850003	0445850004	0445850005	0445850006	0445850007
V-K Groove for Cored Wire	Wire Diameters					
Groove / Side 1	0.9 / 1.0	1.2	1.2	1.6	2.0	2.4
Groove / Side 2	1.2	1.2	1.4	1.6	2.0	2.4
GIN	0445850030	0445850031	0445850032	0445850033	0445850035	0445850036
U Groove for Aluminium Wire	Wire Diameters					
Groove / Side 1	0.8	1.0	1.2			
Groove / Side 2	1.0	1.2	1.6			
GIN	0445850050	0445850051	0445850052			

WIRE GUIDE WEAR PARTS	INLET NOZZLE	MIDDLE NOZZLE	OUTLET NOZZLE
Outlet Wire Guide for Fe/Ss/Cored 0.6–1.6 mm	0445822001	0446080882	0445830881
Outlet Wire Guide for Fe/Cored 1.8–2.4 mm	0445822002	0446080883	0445830882
Outlet Wire Guide for Aluminium 0.8–1.6 mm	0445822001	0446080881	0445830885

UNRIVALLED SERVICE AND SUPPORT.

RobustFeed, like every ESAB machine, is 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 maintenance and upgrading of machines.

For more information on RobustFeed, visit esab.com/robust.

3-YEAR WARRANTY.

ESAB's industry-leading service and support means that if customers do need help, they will be protected by the most comprehensive warranty in the business.



THE MACHINES AND METALS YOU NEED.

When choosing a top-performing wire feed unit, you should also choose top-performing ESAB welding machines and filler metals to maximise your investment. Learn more by visiting esab.com.



ESAB / esab.com



XA00204620/GL/EN/12-08-21 Notes: Specifications subject to change without notice. Products may vary from those pictured.

Aristo 500ix

Powerful multi-process welding machines



Aristo 500ix and Robust Feed U6

Aristo 500ix is a portable heavy industrial pulse power source with robust and reliable mechanical design. Together with Robust Feed U6 or Pulse it is the perfect solution for demanding pulse applications.

Aristo 500ix has thick metal side panels with double bent side panels and large feet providing clearance and making the unit fit for use in tough environments. The large side panels provide easy access for service and maintenance. Ergonomic handles that are safe and marked for crane lifting provide easy logistics. The unit comes with a sturdy cart featuring dedicated crane lifting points, a torch holder and large cable holders.

- Advanced pulse functionality reduces heat input and minimises spatter
- Up to 250 pre-programmed synergic lines (U82 Plus)
- QSet™ intelligent welding system
- Crater filling, adjustable burn back time and SCT (short circuit termination) options for defect-free weld terminations
- Durable and rugged – IP23 rating for outdoor and indoor use in rough environments
- Compatible with Robust Feed U6 and Pulse, rugged and portable feeder units with excellent feeding performance
- MMA and gouging available from feeder

Visit **esab.com** for more information.

Industry

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- Marine and Offshore
- Transportation
- Railcars
- Mobile Equipment
- Tank and Vessel Fabrication
- Pressure Vessels
- Energy



Aristo 500ix

Specifications	
Mains Voltage	380 - 460 V \pm 10%, 3ph, 50/60 Hz
Welding Output GMAW (MIG/MAG)	500 A / 39.0 V at 60% Duty Cycle 400 A / 34.0 V at 100% Duty Cycle
Welding Output SMAW (Stick)	500 A / 40.0 V at 60% Duty Cycle 400 A / 36.0 V at 100% Duty Cycle
Welding Output GTAW (TIG)	500 A / 30.0 V at 60% Duty Cycle 400 A / 26.0 V at 100% Duty Cycle
Setting Range GMAW (MIG/MAG)	16 A / 14.8 V - 500 A / 39 V
Setting Range SMAW (MMA)	16 A / 20.6 V - 500 A / 40 V
Setting Range GTAW (TIG)	5 A / 10.2 V - 500 A / 30 V
Open Circuit Voltage	58 V
Efficiency at Max Current	88%
Power Factor at Max Current	0.91
Dimensions L x W x H	712 x 325 x 470 mm
Weight	58.5 kg
Operating Temperature	-20 to +40 °C
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CE
Cool 2 Cooling Unit	
Supply Voltage	40 VAC
Cooling Power	1 kW
Coolant Volume	4.5 l
Max Flow	1.8 l/min
Max Pressure	4.6 bar
Dimensions L x W x H	680 x 330 x 230 mm
Weight	15 kg
Weight w/ coolant	19.5 kg

Aristo 500ix

Ordering Information

Aristo 500ix, CE	0446200880
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Options & Accessories

COOL 2 Cooling Unit	0465427880
Coolant 10 l.	0007810012
Trolley (Robust Feed/Warrior Feed/Aristo Feed)	0349313450
Trolley Retrofit Kit Robust Feed <input type="checkbox"/>	0349313100
Guide Pin Extension Kit **	0465508880
Counterbalance Arm *	0458705880
Stabiliser kit for Counterbalance Arm	0465509880
Wheel Kit, power source	0465416880
Robust Feed Wheel Kit	0446081880
Torch Strain Relief Robust Feed	0446082880
Liquid Cooling Kit Robust Feed (to upgrade gas-cooled feeders)	0446123880
Quick Connector Marathon Pac	F102440880
Gas-Cooled Torches	
PSF 415, with Euro Connection, 3m	0700025040
PSF 415, with Euro Connection, 4m	0700025041
PSF 415, with Euro Connection, 5m	0700025042
PSF 515, with Euro Connection, 3m	0700025050
PSF 515, with Euro Connection, 4m	0700025051
PSF 515, with Euro Connection, 5m	0700025052
Water-Cooled Torches	
PSF 420W, with Euro Connection, 3m	0700025060
PSF 420W, with Euro Connection, 4m	0700025061
PSF 420W, with Euro Connection, 5m	0700025062
PSF 520W, with Euro Connection, 3m	0700025070
PSF 520W, with Euro Connection, 4m	0700025071
PSF 520W, with Euro Connection, 5m	0700025072

* Not for use with Robust Feed. Counterbalance Arm requires Trolley 0349313450/0460565880 and Stabiliser kit 0465509880.

** Extension Kit required when Wire Feeder Wheel Kit is used in combination with Trolley.

To fit Robust Feed on existing Warrior Trolley 0465510880

Aristo 500ix

Wire Feeder & Control Panel		
Feeders	Gas-cooled	Water-cooled
Robust Feed Pulse Water-cooled Euro	-	0445800894
Robust Feed Pulse (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro	-	0445800891
Robust Feed Pulse (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro *	-	0445800892
Robust Feed U6 Water-cooled Euro	-	0445800897
Robust Feed U6 (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro	-	0445800887
Robust Feed U6 (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro *	-	0445800888
Aristo Feed 3004, MA25 Steel	0460526672	0460526673
Aristo Feed 3004, MA25 Aluminium	0460526670	0460526671
Aristo Feed 3004, U6 Encl. 10 pole	0460526886	0460526896
Aristo Feed 3004, M0 Encl. 10 pole	0460526881	0460526891
Aristo Feed 4804w, U6 Encl. 10 pole	-	0460526996
Aristo Feed 4804w, M0 Encl. 10 pole	-	0460526991
Aristo YardFeed 2000w, U6 Encl. 10 pole	-	0459906896
Aristo U82 Control Panel		
Aristo U82 complete incl. Holder	0460820880	
Aristo U82 Plus complete incl. Holder	0460820881	
Control cable extension U82 7.5 m	0460877891	

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.

* Robust Feed Pulse/U6 with push-pull has support for remote control and mechanisation with Miggytrac/Railtrac.



ESAB / esab.com



RobustFeed Pulse/U6/U82

Portable and rugged wire feeders for pulse applications



PRECIDRIVE



RobustFeed
Pulse

RobustFeed
U6

RobustFeed U82



reddot winner 2021

Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Steel Erectors
- Marine and Offshore
- Transportation
- Railcars
- Mobile Equipment
- Tank and Vessel Fabrication
- Pressure Vessels
- Energy

The RobustFeed, with its ergonomic, robust and enclosed design, is the ideal partner for fabricators. These new pulse welding wire feeders are equipped with a new precision wire drive system perfect for demanding applications.

RobustFeed Pulse control functions are easy to find, set and fine-tune, while the RobustFeed U6 offers additional functionality including parameter limits and parameter lock for better repeatability. RobustFeed U82 offers pulse on pulse and other advanced processes with the SuperPulse functionality. All units offer synergic lines to address a wide variety of steel, aluminium and stainless steel wires.

- Fully portable feeder offering the benefits of pulse - reducing weld spatter and post weld clean up, controlling bead appearance and profile, increased speed for position welding and more depending on the application
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- Durable housing, sturdy strain relief for interconnection, 5 ergonomic lifting points and safe for crane lifting handles makes product truly portable
- Integrates perfectly on standard trolleys, with or without wheel kit, and other options and accessories
- The 2021 Red Dot design award winning design of the RobustFeed also provides additional benefits including, best in class enclosure from moisture and dust to keep the spool safe, an integrated heater and flow meter and well-designed ergonomics

Visit esab.com for more information.



Internal LED lights and intergrated storage for wear parts in lid



Wheel Kit and Torch Strain Relief works with feeder horizontal or vertical

Specifications	
Input Voltage	42 VAC
Welding Output	630 A @ 35% 500 A @ 60% 400 A @100%
Wire Dimensions Mild Steel Stainless Steel Cored Wire Aluminium	0.6–2.0 mm (0.023–5/64 in.) 0.6–1.6 mm (0.023–1/16 in.) 0.8–2.4 mm (0.031–3/32 in.) 0.8–1.6 mm (0.031–1/16 in.)
Wire Feed Speed	0.8 – 25.0 m/min
Wire Spool Capacity	20 kg
Max Spool Diameter	300 mm
Operating Temperature	-20° to +40 °C (+55 °C with derating)
Protection Class	IP44
Certification Mark (Standards)	CE
Dimensions L x W x H	595 x 250 x 430 mm
Weight	16.7 kg

Panel Functions			
	RobustFeed Pulse + Aristo 500ix	RobustFeed U6 + Aristo 500ix	RobustFeed U82 + Aristo 500ix
MIG CV	x	x	x
MIG Pulse	x	x	x
Synergic Lines	Steel, Stainless Steel, Aluminium 93 lines	Steel, Stainless Steel, Aluminium 92 lines	Steel, Stainless Steel, Aluminium 259 manual and 68 robotic lines
MMA	MMA controls and outlet on wire feeder *	MMA controls and outlet on wire feeder *	x
Gouging		Gouging controls and outlet on wire feeder *	x
Live TIG		x	x
Gas Flow Meter	x *	x *	x *
Heat Kit	x *	x *	x *
2T/4T	x	x	x
Hot Start	x	x	x
Creep Start	x	x	x
Crater Fill	x	x	x
Burnback	x	x	x
SCT	x	x	x
Amperage Setting	x	x	x
Gas Pre- and Post-flow Setting	x	x	x
Qset	x	x	x
Memory Settings	3	10	255
Spot Welding Time		x	x
Setting Limits		x	x (and measure limits)
Code Lock		x	x (and user levels)
SuperPulse (Pulse/Pulse, Pulse/Spray, Pulse/Short)			x
Synergic Line Creation			x

* Depending on variant

Ordering Information	
RobustFeed Pulse Water-cooled Euro ²⁾	0445800894
RobustFeed Pulse (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro ²⁾	0445800891
RobustFeed Pulse (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro ¹⁾	0445800892
RobustFeed U6 Water-cooled Euro ²⁾	0445800897
RobustFeed U6 (incl. gas flow meter, heater, MMA outlet) Water-cooled Euro ²⁾	0445800887
RobustFeed U6 (incl. push-pull, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro ¹⁾	0445800888
RobustFeed U82 (incl. U82 Plus, ELP) Water-cooled Euro	0445800899
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet) Water-cooled Euro	0445800898
RobustFeed U82 (incl. U82 Plus, ELP, gas flow meter, heater, MMA outlet, push-pull) Water-cooled Euro ¹⁾	0445800900
RobustFeed U0 (incl. ELP) Water-cooled Euro ²⁾	0445800901

1) Available remote M1

2) Available remotes, MTA1 CAN, AT1 CAN and other

ELP feature needed for use with legacy equipment for example Cool 1.

RobustFeed Pulse/U6/U82 with push-pull has support for remote control and mechanisation with Miggytrac B5001 & Railtrac B42V/BV2000. Compatible push-pull torches MXH 315PP and MXH 420wPP.

Combine RobustFeed U0 with one RobustFeed U82 to have two wire feeders simultaneously connected.

Options & Accessories	
RobustFeed Wheel Kit	0446081880
Torch Strain Relief RobustFeed	0446082880
Trolley (RobustFeed/Warrior Feed/Aristo Feed)	0349313450
Guide Pin Extension Kit **	0465508880
Liquid Cooling Kit RobustFeed (to upgrade gas-cooled feeders)	0446123880
Quick Connector Marathon Pac™	F102440880

** Extension Kit required when Wire Feeder Wheel Kit is used in combination with Trolley.

Torches			
	3 m	4 m	5 m
PSF 415, with Euro Connection	0700025040	0700025041	0700025042
PSF 515, with Euro Connection	0700025050	0700025051	0700025052
PSF 420W, with Euro Connection	0700025060	0700025061	0700025062
PSF 520W, with Euro Connection*	0700025070	0700025071	0700025072

* With dual-circuit cooling system for less heat, better wire feedability and fewer production stops to change wear parts.

Interconnection Cables		
	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm ² , 2.0m, incl. strain relief	0446255880	0446255890
Interconnection Cables - 70mm ² , 5.0m, incl. strain relief	0446255881	0446255891
Interconnection Cables - 70mm ² , 10.0m, incl. strain relief	0446255882	0446255892
Interconnection Cables - 70mm ² , 15.0m, incl. strain relief	0446255883	0446255893
Interconnection Cables - 70mm ² , 20.0m, incl. strain relief	0446255884	0446255894
Interconnection Cables - 70mm ² , 25.0m, incl. strain relief	0446255885	0446255895
Interconnection Cables - 70mm ² , 35.0m, incl. strain relief	0446255886	0446255896
Interconnection Strain Relief Kit Aristo **	0446050881	

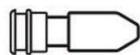
** To upgrade existing Aristo interconnection cable sets to fit with RobustFeed

Wear & Spare Parts			
	Groove / Side 1	Groove / Side 2	Part Number
Feed Roller V-Groove for Fe/SS/Cored Wire			
Feed Roller V Groove	0.6 mm	0.8 mm	0445850001
Feed Roller V Groove	0.8 mm	0.9 / 1.0 mm	0445850002
Feed Roller V Groove	0.9 / 1.0 mm	0.9 / 1.0 mm	0445850003
Feed Roller V Groove *	0.9 / 1.0 mm	1.2 mm	0445850004
Feed Roller V Groove	1.2 mm	1.2 mm	0445850005
Feed Roller V Groove	1.4 mm	1.6 mm	0445850006
Feed Roller V Groove	2.0 mm	2.0 mm	0445850007
Feed Roller V-Groove for Cored Wire			
Feed Roller V-K Groove	0.9 / 1.0 mm	1.2 mm	0445850030
Feed Roller V-K Groove	1.2 mm	1.2 mm	0445850031
Feed Roller V-K Groove	1.2 mm	1.4 mm	0445850032
Feed Roller V-K Groove	1.6 mm	1.6 mm	0445850033
Feed Roller V-K Groove	2.0 mm	2.0 mm	0445850035
Feed Roller V-K Groove	2.4 mm	2.4 mm	0445850036
Feed Roller U-Groove for Aluminium Wire			
Feed Roller U Groove	0.8 mm	1.0 mm	0445850050
Feed Roller U Groove	1.0 mm	1.2 mm	0445850051
Feed Roller U Groove	1.2 mm	1.6 mm	0445850052
Wire Guide	Inlet Nozzle	Middle Nozzle	Outlet Nozzle
Outlet Wire Guide for Fe/SS/C 0.6–1.6 mm	0445822001	0446080882	0445830881
Outlet Wire Guide for Fe/C 1.8–2.4 mm	0445822002	0446080883	0445830882
Outlet Wire Guide for Al 0.8–1.6 mm	0446080882	0446080881	0445830885

For complete list of wear and spare parts please see separate manual.

* Included in delivery.

Inlet Wire Guide



Middle Wire Guide



Outlet Wire Guide



Dual Groove Feed Roller



V Groove



V-K Groove



U-Groove



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ENGINEERED **SIMPLICITY.**



OUTFIT YOUR FLEET WITH WARRIOR EDGE, THE INTUITIVE MULTI-PROCESS WELDING SYSTEM FOR HIGH-QUALITY WELDS WITHOUT THE COMPLEXITY.

WARRIOR EDGE CX SYSTEM



If you're looking to take your shop to **the next level**, you need a **competitive advantage**. You need solutions engineered for **maximum productivity**, armed to overcome every challenge with ease. It's time to outfit your fleet with a **welding system created for all** skill levels and equipped with built-in software for **performance insights to boost productivity**. Get all that – and more – with **Warrior Edge**.



ENGINEERED FOR PRODUCTIVITY.

Enhance your workflow productivity with the easy-to-use Warrior Edge system.

- Streamlined interface for welders of all skill levels – no extensive training needed
- Easy-to-set welding parameters for great weld results
- Internal digital display for quick material selection and intuitive configuration of advanced parameters
- Job memories on front panel for repeatability across operators and torch remote for quick operation
- Smart-card login system designed to easily lock down machine for weld procedure adherence
- SPEED welding mode for increased travel speed while still maintaining control

STREAMLINED INTERFACE

ENGINEERED FOR INSIGHTFUL DATA.

Boost your productivity with instant data analysis. The Warrior Edge system comes with everything you need to connect and utilize WeldCloud™ technology – right out of the box.



WeldCloud Productivity – Analyze productivity, track consumption, and trace your welding processes.

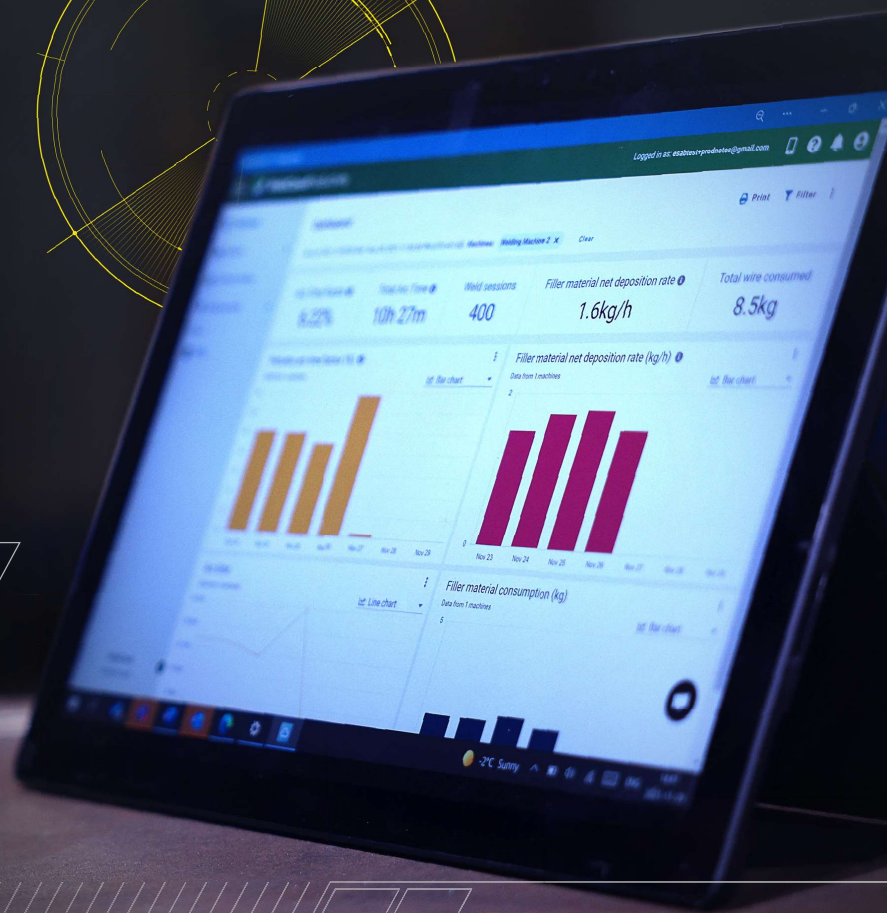


WeldCloud Notes – Automate documentation and reporting to maintain compliance, manage weld procedures, and save time.



WeldCloud Fleet – Manage your entire fleet from any location with cloud-based job control, service logs, and performance insight.

GET  **WELDCLOUD FLEET**
INCLUDED FREE
WITH THE PURCHASE OF WARRIOR EDGE.



ENGINEERED FOR PRECISE GAS CONTROL.


High-quality welds come easily with Warrior Edge's TrueFlow optimized gas flow. Reduce rework and increase cost savings by preventing unnecessary high gas consumption.

- Optimization of gas flow during arc starts and during welding
- Automatic prevention of insufficient gas flow
- Saves 600–1,200 USD per year in typical use cases



INSUFFICIENT GAS
FLOW DETECTION





ENGINEERED FOR POWER.

Get high-performing reliability with the Warrior Edge multi-process power source.

- Advanced MIG welding process with stick, TIG, manual MIG/MAG, flux cored, and carbon arc gouging capabilities
- Heavy-duty productivity up to 500 A at 60% duty cycle
- Wide input voltage: 3ph 380–460 V
- Air tunnel design for protection from dust and debris

PURE HEAVY-DUTY
PERFORMANCE

ROBUSTFEED EDGE II

ENGINEERED FOR DURABILITY.

Rely on RobustFeed Edge wire feeder to get the job done. Built for high productivity, its rugged design protects the integrity of your welding wire in every environment.

- IP54-rated design with SpoolSafe wire protection to avoid contaminations in your weld
- TrueFlow digital gas control ensures sufficient shielding gas protection
- PRECIDRIVE wire feed system for better arc starts and stops

 **reddot design award**
winner 2021



IP54 RATED

DIGITAL GAS CONTROL

4-WHEEL DRIVE FEEDING

ENGINEERED FOR COMFORT.

Reduce welder fatigue while improving weld quality with Exeor torch and longer-lasting consumables.

- Ergonomic design for all-day comfort
- Efficient cooling system that reduces heat while extending consumable lifetime
- Remote functionality without an extra cable
- LED light for darker worksites

EXEOR

LED LIGHT

EFFICIENT COOLING
TECHNOLOGY

ERGONOMIC DESIGN



ENGINEERED **SIMPLICITY.**



Get high-quality welds without the complexity by visiting [esab.com](https://www.esab.com).

WARRIOR EDGE CX SYSTEM

WARRIOR EDGE 500 CX

Powerful multi-process welding power source



Warrior Edge 500 CX is an easy-to-use, high-performing and connected multi-process welding machine.

Featuring integrated WeldCloud connectivity, the wire feeder RobustFeed Edge offers increased productivity and improved quality management, with wire and gas consumption tracking.

Equipped with TrueFlow, ESAB's digital gas flow control system, RobustFeed Edge effectively manages consumable resources, both in starts and while welding, thus reducing overall resource consumption.

Additional features include an adaptive optimized pulse MIG process that compensates for operator variation with an easy, user-friendly setup designed to achieve excellent weld results.

- Fit for purpose weld mode SPEED that provides a focused arc that allows the welder to better and easier handle the weld puddle at higher travel speeds thus increasing the productivity
- Integrated, 1.4 kW high performance cooling unit

RobustFeed Edge features

- Effective and quick to set-up operator management system that allows locking down quick-jobs with setting limits improves repeatability and adherence to welding procedure specifications
- The 2021 Red Dot design award winning design provides well-designed ergonomics and intuitive user interface that reduces training needs for operators
- SpoolSafe - unique in the market IP54 protection against dirt/dust, keeping your wire dry and clean, protecting the integrity of your weld
- PreciDrive wire drive system maintains precision wire feeding performance to promote consistent weld quality
- A hybrid HMI solution with material selection and configurations on a TFT-screen inside the unit with a clear and easy to use external display for everyday operation makes unit easy to operate



Warrior Edge 500 CX and RobustFeed Edge CX

Industry

- Industrial and General Fabrication
- Structural Steel Fabrication
- Transportation
- Railcars
- Mobile Equipment
- Tank and Vessel Fabrication
- Pressure Vessels
- Energy

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

WARRIOR EDGE 500 CX

Specifications	
Mains Voltage	380 - 460 V \pm 10%, 3ph, 50/60 Hz
Welding Output GMAW (MIG/MAG)	500 A / 39.0 V at 60% Duty Cycle 400 A / 34.0 V at 100% Duty Cycle
Welding Output SMAW (Stick)	500 A / 40.0 V at 60% Duty Cycle 400 A / 36.0 V at 100% Duty Cycle
Welding Output GTAW (TIG)	500 A / 30.0 V at 60% Duty Cycle 400 A / 26.0 V at 100% Duty Cycle
Setting Range GMAW (MIG/MAG)	16 A / 14.8 V - 500 A / 39 V
Setting Range SMAW (MMA)	16 A / 20.6 V - 500 A / 40 V
Setting Range GTAW (TIG)	5 A / 10.2 V - 500 A / 30 V
Standby Power	43 W
Open Circuit Voltage	54.8 V
Efficiency at Max Current (MMA)	89%
Power Factor at Max Current (MMA)	0.91
Efficiency at Max Current MIG/MAG	88%
Power Factor at Max Current MIG/MAG	0.93
Dimensions L x W x H	700 x 325 x 680 mm
Weight	85 kg
Operating Temperature	-20 to +55°C
Enclosure Class	IP23
Application Class	S
Insulation Class	H
Certification Mark (Standards)	CE
Cooling Unit	
Cooling Power	1,4 kW
Coolant Volume	4.7 l
Max Flow	2.0 l/min
Max Pressure	4.5 bar

WARRIOR EDGE 500 CX

Ordering Information

Warrior Edge 500 CX, 380-460 V, CE	0446300880
Warrior Edge 500 CX II (incl. SPEED), 380-460 V, CE	0446300884

Options & Accessories

Coolant 10 l.	0465720002
4-wheel Trolley	0349313450
4-wheel Feeder Trolley for >300 mm Spools	0349313700
Guide Pin Extension Kit	0465508880
Wheel Kit, power source	0465416880
RobustFeed Wheel Kit *	0446081880
Boom Adaptor (Lifting Device)	0446956880
Torch Holder AssemblyRobustFeed	0446958880
Torch Strain ReliefRobustFeed	0446082880
Quick Connector Marathon Pac	F102440880
Analogue Remote, 10m	0446870880
Analogue Remote, 15m	0446870881
Analogue Remote, 25m	0446870882

* Extension Kit 0465508880 required when Wire Feeder Wheel Kit is used in combination with Trolley 0349313450.

Torches

Description	3 m	4 m	5 m
Exeor MIG 4.0G ² , Gas-Cooled *	0700025752	0700025753	0700025754
Exeor MIG 4.0G ² CX, Gas-Cooled, Up/down **	0700025755	0700025756	0700025757
Exeor MIG 4.0W ² , Water-Cooled *	0700025727	0700025728	0700025729
Exeor MIG 4.0W ² CX, Water-Cooled, Up/down **	0700025730	0700025731	0700025732

* Torch with enhanced cooling performance.

** Torch with enhanced cooling performance. Includes Torch LED light and CX remote module for JOB selection / WFS / V.

For more information on Exeor torches please see separate fact sheets.

WARRIOR EDGE 500 CX

Wire Feeder & Control Panel

RobustFeed Edge BX, Water-cooled, Euro	0446600880
RobustFeed Edge CX, Water-cooled, Digital Gas Control, Heater, Euro	0446600881

For complete list of wire feeder accessories and interconnection cables please see separate fact sheets or instruction manuals.

Interconnection Cables

	Gas-Cooled	Water-Cooled
Interconnection Cables - 70mm ² , 2.0 m	0446310880	0446310890
Interconnection Cables - 70mm ² , 5.0 m	0446310881	0446310891
Interconnection Cables - 70mm ² , 10.0 m	0446310882	0446310892
Interconnection Cables - 70mm ² , 15.0 m	0446310883	0446310893
Interconnection Cables - 70mm ² , 20.0 m	0446310884	0446310894
Interconnection Cables - 70mm ² , 25.0 m	0446310885	0446310895
Interconnection Cables - 70mm ² , 35.0 m	0446310886	0446310896
Interconnection Cables - 95 mm ² , 2.0 m	0446310980	0446310990
Interconnection Cables - 95mm ² , 5.0 m	0446310981	0446310991
Interconnection Cables - 95mm ² , 10.0 m	0446310982	0446310992
Interconnection Cables - 95mm ² , 15.0 m	0446310983	0446310993
Interconnection Cables - 95mm ² , 20.0 m	0446310984	0446310994
Interconnection Cables - 95mm ² , 25.0 m	0446310985	0446310995
Interconnection Cables - 95mm ² , 35.0 m	0446310986	0446310996



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