QUICK REFERENCE GUIDE

STANDARD EQUIPMENT
Heavy Industrial Welding



esab.com

Edition 3A. Valid June 2024 - October 2024

PULSE MULTI-PROCESS Aristo 500ix

Part Number	0446200880



Reliable Pulse Package

3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-460V +/- 10%, 3 - 50-60 Hz
Setting range MIG/MAG (GMAW)	16A / 14,8 V - 500A / 39 V
Setting range MMA (SMAW)	16A / 20,6 V - 500A / 40 V
Setting range TIG (GTAW)	5A / 10,2 V - 500A / 30 V
Open circuit Voltage	58 V
Efficiency @ Max Current	88%
Power factor @max current	0.91
Permissible load MIG/MAG (GMAW)	500 A / 39,0 V @ 60% 400 A / 34,0 V @ 100%
Permissible load MMA (SMAW)	500 A / 40,0 V @ 60% 400 A / 36,0 V @ 100%
Permissible load TIG (GTAW)	500 A / 40,0 V @ 60% 400A / 26,0 V @ 100%
Idle power	24 W @ 380 25 W @ 400 27 W @ 460
Fuse type C MCB	32 A
Operating temperature	-20° to 40° C
Enclosure class	IP23
Insulation class	H
Application class	S
Dimension L x W x H	712 x 325 x 470 mm
Weight	58,5 Kg
Approvals	CE, Eco Design

STEP 2

Cooling Unit Selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling power	Max water flow	Max pressure lift for torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1.8 l/min	4.6 bar	15 kg

Panel Information

Product Family	Product Name	Gouging	Live itig	Amperage setting	Spot welding time	Limit setting	Code lock	Customizable synergic lines	SuperPulse	Quality/productivity data reports
Pulsed panels	Pulse									
Pulsed panels	U6	x	x	x	x	x	x			
Pulsed control pendant	Aristo U82 Plus	x	x	x	x	x	x	x	x	x

Standard Features

Available on all panels

Mig pulse
Mig synergic
Qset
MMA welding
Memory positions
2 strokes/4 strokes
Pre-post gas flow setting
Burn back /SCT
Hot start

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Part No.	Flowmeter/heater/MMA outlet	Remote M1	Remotes MTA1 CAN, AT1 CAN and other	ELP function for legacy equipment	Push-pull &Mechanised Mig	U82 Control pendant included
RobustFeed	RobustFeed Pulse	0445800894			x			
		0445800891	x		x			
		0445800892	x	x	x	x	x	
RobustFeed	RobustFeed U6	0445800897			x			
		0445800887	x		x			
		0445800888	x	x		x	x	
RobustFeed	RobustFeed U82 Plus	0445800898	x			x		x
		0445800899	x			x		x
		0445800900	x	x		x	x	x
		0445800901	x		x	x		

STEP 4

Connection Cable Selection

Product Family	Product Name	2m	5m	10m	15m	20m	25m	35m
Connection cable	70 mm2 gas cooled	0460255880	0460255881	0460255882	0460255883	0460255884	0460255885	0460255886
Connection cable	70 mm2 water cooled	0460255890	0460255891	0460255892	0460255893	0460255894	0460255895	0460255896

STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PS F415 gas cooled	0700025040	0700025041	0700025042
Mig torches	PSF 515 gas cooled	0700025050	0700025051	0700025052
Mig torches	PSF 420 W water cooled	0700025060	0700025061	0700025062
Mig torches	PSF 520 W water cooled	0700025070	0700025071	0700025072

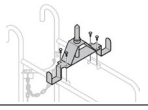
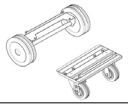
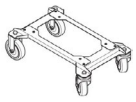
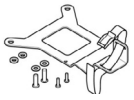
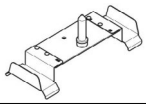
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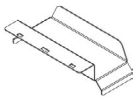
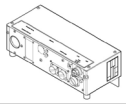
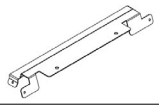
Trolley

Product Name	Part No.	
Trolley For Aristo 500ix/Warrior	0349313450	

STEP 7

Accessories Information

Product name	Part No.	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Trolley retrofit kit for RobustFeed To fit RobustFeed on existing Warrior Trolley 0365510880	0349313100	
Quick connector marathon pack	F102440880	
Liquid cooling kit RobustFeed	0446123880	
Counterbalance Arm RobustFeed	0448181880	

Product name	Part No.	
Interconnection strain relief kit (for update of cables without strain relief)	0446050881	
Cable mounting bracket	0446877880	
Coolant 10 l	0465720002	
Aristo® U82 Plus, complete including holder	0460820881	
Weldcloud mobile	0464550800	
Aristo® W82 data	0446712880	
W82 mounting bracket	0446712880	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

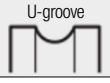
	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Aristo MIG 5000iw WeldCloud

Part Number	0445400881



WeldCloud

3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	400V +/- 10% 3 - 50/60Hz
Setting range MIG/MAG (GMAW)	8 - 60V / 16 - 500A
Setting range MMA (SMAW)	16 - 500A
Open circuit Voltage - VRD On	< 35V
Open circuit voltage - VRD Off	59V
Efficiency @ Maximum Current	85% - MMA (SMAW) 82% - TIG (GTAW) 84% - MIG/MAG (GMAW)
Power factor @ Maximum current	0.90
Permissible load MIG/MAG (GMAW)	500A / 39V @ 60% 400A / 34V @ 100%
Permissible load MMA (SMAW)	500A / 40V @ 60% 400A / 36V @ 100%
Permissible load TIG (GTAW)	500A / 30V @ 60% 400A / 26V @ 100%
No-load power when in energy saving mode	36W - TIG/MIG (GTAW/GMAW) 43W - MMA (SMAW)
Fuse type C MCB	32 A
Operating temperature	-20° to 40° C
Enclosure class	IP23
Insulation class transformer	H
Dimension L x W x H	625 x 394 x 776 mm
Weight	99 kg
Approvals	CE, ECO Design

Panel Information

Product family	Product name	Gouging	Live itig	Amperage setting	Spot welding time	Limit setting	Code lock	Customizable synergic lines	SuperPulse	Quality/productivity data reports
Pulsed panels	Pulse									
Pulsed panels	U6	x	x	x	x	x	x			
Pulsed control pendant	Aristo U82 Plus	x	x	x	x	x	x	x	x	x

Standard Features

Available on all panels

Mig pulse
Mig synergic
Qset
MMA welding
Memory positions
2 strokes/4 strokes
Pre-post gas flow setting
Burn back /SCT
Hot start

STEP 2

Cooling Unit Selection

Embedded, no need for additional order

Product Family	Product Name	Cooling Power	Max Water Flow
Cooling unit	N/A	2.0 kW	2.0 l/min

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Part No.	Flowmeter/heater/MMA outlet	Remote M1	Remotes MTA1 CAN, AT1 CAN and other	ELP function for legacy equipment	Push-pull &Mechanised Mig	U82 Control pendant included
RobustFeed	RobustFeed Pulse	0445800894			x			
		0445800891	x		x			
		0445800892	x		x	x	x	
RobustFeed	RobustFeed U6	0445800897			x			
		0445800887	x		x			
		0445800888	x	x		x	x	
RobustFeed	RobustFeed U82 Plus	0445800898	x			x		x
		0445800899	x			x		x
		0445800900	x	x		x	x	x
		0445800901	x		x			

STEP 4

Connection Cable Selection

NB: 95mm2 cables require use of cable strain relief 0446050881

Product Family	Product Name	1.7 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70 mm² water cooled	0446255890	0446255891	0446255892	0446255893	0446255894	0446255895
Connection cable	95 mm² water cooled	0459528990	0459528991	0459528992	0459528993	0459528994	

STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PSF 420 W water cooled	0700025060	0700025061	0700025062
Mig torches	PSF 520 W water cooled	0700025070	0700025071	0700025072

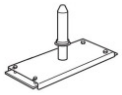
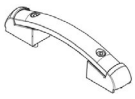
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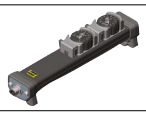
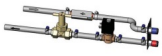
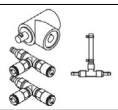
Trolley

Product Name	Part No.	
Trolley For Aristo 5000/U5000	0458530880	

STEP 7

Accessories Information

Product Name	Part No.	
Trolley 2 (for feeder with counterbalance device and/or 2 gas bottles)	0458 603 880	
Guide pin	0458 731 880	
Insulating bushing for guide pin, included in trolley	0278 300 401	
Autotransformer TUA2	0459 145 880	
Handle (1 piece) with mounting screws	0459 307 881	
Remote control adapter RA12 12 pole for analogue remote controls to CAN based equipment.	0459 491 910	
0 Remote control unit MTA1 CAN MIG/MAG: wire feed speed and voltage MMA: current and arc force TIG: current, pulse and background current	0459 491 880	

Product Name	Part No.	
Remote control unit M1 10Prog CAN Choice of on of 10 programs MIG/MAG: voltage deviation TIG and MMA: current deviation	0459 491 882	
Remote control unit AT1 CAN MMA and TIG: current	0459 491 883	
Remote control unit AT1 CF CAN MMA and TIG: rough and fine setting of current.	0459 491 884	
Return cable 5 m, 95 mm^2	0700 006 897	
Water return flow guard Mech 7 m	0461 203 880	
Connection set for connection of two wire feed units	0459 546 880	
Coolant 10 l	0465720002	
Aristo® U82 Plus, complete including holder	0460820881	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Aristo MIG U5000iw WeldCloud

Part Number	0445400883



WeldCloud

3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	400 V +/- 10% 3 - 50/60 Hz
Setting range MIG/MAG (GMAW)	8 - 60 V / 16 - 500 A
Setting range MMA (SMAW)	16 - 500A
Setting range TIG (GTAW)	4 - 500 A
Open circuit Voltage - VRD On	< 35 V
Open circuit voltage - VRD Off	59 V - MIG/MMA (GMAW/SMAW) 79 V - "Live Tig" (GTAW)
Efficiency @ Maximum Current	87% - MMA (SMAW) 82% - TIG (GTAW) 83% - MIG/MAG (GMAW)
Power factor @ Maximum current	0.90
Permissible load MIG/MAG (GMAW)	500 A / 39 V @ 60% 400 A / 34 V @ 100%
Permissible load MMA (SMAW)	500 A / 40 V @ 60% 400 A / 36 V @ 100%
Permissible load TIG (GTAW)	500 A / 30 V @ 60% 400 A / 26 V @ 100%
No-load power when in energy saving mode	45 W - TIG/MIG (GTAW/GMAW) 55 W - MMA (SMAW)
Fuse type C MCB	32 A
Operating temperature	-20° to 40° C
Enclosure class	IP23
Insulation class transformer	H
Dimension L x W x H	625 x 394 x 776 mm
Weight	102 kg
Approvals	CE, ECO Design

Panel Information

Product Family	Product Name	Tig HF	Gouging	Live tig	Amperage setting	Spot welding time	Limit setting	Code lock	Customizable synergic lines	SuperPulse	Quality/productivity data reports
Pulsed panels	Pulse										
Pulsed panels	U6	x	x	x	x	x	x	x			
Pulsed control pendant	Aristo U82 Plus	x	x	x	x	x	x	x	x	x	x

Standard Features

Available on all panels

Mig Pulse
Mig Synergic
Qset
MMA Welding
Memory Positions
2 Strokes/4 Strokes
Pre-post gas flow setting
Burn Back /SCT
Hot Start

STEP 2

Cooling Unit Selection

Embedded, no need for additional order

Product Family	Product Name	Cooling Power	Max Water Flow
Cooling unit	N/A	2.0 kW	2.0 l/min

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Part No.	Flowmeter/heater/MMA outlet	Remote M1	Remotes MTA1 CAN, AT1 CAN and other	ELP function for legacy equipment	Push-pull &Mechanised Mig	U82 Control pendant included
RobustFeed	RobustFeed Pulse	0445800894			x			
		0445800891	x		x			
		0445800892	x		x	x	x	
RobustFeed	RobustFeed U6	0445800897			x			
		0445800887	x		x			
		0445800888	x	x		x	x	
RobustFeed	RobustFeed U82 Plus	0445800898	x			x		x
		0445800899	x			x		x
		0445800900	x	x		x	x	x
		0445800901	x		x			

STEP 4

Connection Cable Selection

NB: 95mm2 cables require use of cable strain relief 0446050881

Product Family	Product Name	1.7 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70 mm² water cooled	0446255890	0446255891	0446255892	0446255893	0446255894	0446255895
Connection cable	95 mm² water cooled	0459528990	0459528991	0459528992	0459528993	0459528994	

STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PSF 420 W water cooled	0700025060	0700025061	0700025062
Mig torches	PSF 520 W water cooled	0700025070	0700025071	0700025072

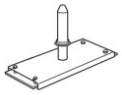
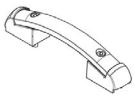
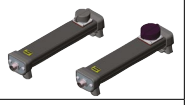
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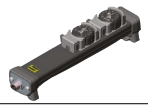
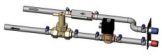
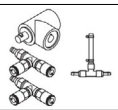
Trolley

Product Name	Part No.	
Trolley For Aristo 5000/U5000	0458530880	

STEP 7

Accessories Information

Product Name	Part No.	
Trolley 2 (for feeder with counterbalance device and/or 2 gas bottles)	0458 603 880	
Guide pin	0458 731 880	
Insulating bushing for guide pin, included in trolley	0278 300 401	
Autotransformer TUA2	0459 145 880	
Handle (1 piece) with mounting screws	0459 307 881	
Remote control adapter RA12 12 pole for analogue remote controls to CAN based equipment.	0459 491 910	
0 Remote control unit MTA1 CAN MIG/MAG: wire feed speed and voltage MMA: current and arc force TIG: current, pulse and background current	0459 491 880	

Product Name	Part No.	
Remote control unit M1 10Prog CAN Choice of on of 10 programs MIG/MAG: voltage deviation TIG and MMA: current deviation	0459 491 882	
Remote control unit AT1 CAN MMA and TIG: current	0459 491 883	
Remote control unit AT1 CF CAN MMA and TIG: rough and fine setting of current.	0459 491 884	
Return cable 5 m, 95 mm^2	0700 006 897	
Water return flow guard Mech 7 m	0461 203 880	
Connection set for connection of two wire feed units	0459 546 880	
Coolant 10 l	0465720002	
Aristo® U82 Plus, complete including holder	0460820881	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Fabricator EM 401i

Part Number	0446400884



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	30 A / 15.5 V – 400 A / 34 V
Setting range MMA (SMAW)	30 A / 21.2 V – 400 A / 36 V
Open circuit voltage	65.0 V
Efficiency @ max current Mig	86%
Power factor @ max current Mig	0.91
Welding output MIG	400 A /34 V @ 60% 310 A/29.5 V @ 100%
Welding output MMA	400 A /36 V @ 60% 310 A/32.4 V @ 100%
Recommended slow fuse	32 A
Energy saving mode	< 35W
Operating temperature	-10° to 40° C
Wire diameter range	0.8 – 1.2 mm
Supply cable diam. size	4 x 6 mm^2
Protection class	IP23
Application class	S
Isolation class	H
Dimensions L x W x H	1035 x 500 x 1015 mm
Weight	102 kg
Approvals	CE, ECO Design

Panel Information

Product Family	Product Name	Ending arc current	Ending arc voltage	Arc force	Inductance	Wire diameter	Welding process	Welding gas	2 stroke/4 stroke/4 stroke cont.	Gas purge
Fabricator powersource panel	nn	x	x	x	x	x	x	x	x	x

STEP 2

Wire Feeder Selection

Product Family	Product Name	Ordering Part Number	Drive System	Feeding Speed	Weld Spool Capacity
Fabricator feed	Fabricator Feed 304	0446401881	4 wheels drive	1.5 – 25.0 m/min	18 kg

Max Spool Diameter	Max Diam CS Solid Wire	Max Diam SS Solid Wire	Max Diam Cored Wire	Dimensions	Weight
300 mm	0.8 - 1.6 mm	0.8 - 1.6 mm	0.9 - 1.6 mm	675 x 265 x 418 mm	13.9 kg

STEP 3

Connection Cable Selection

Product Family	Product Name	2 m	5 m	10 m	15 m	25 m
Connection cable	70mm^2 gas cooled	0459836880	0459836881	0459836882	0459836883	0459836884

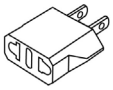
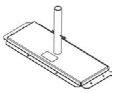
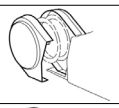
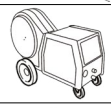
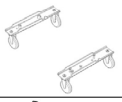
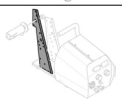
STEP 4

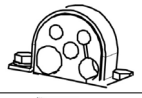
Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	MXL 341 gas cooled	0700025240	0700025241	0700025242

STEP 5

Accessories Selection

Product Name	Part No.	
Converter plug for gas heater supply	0447014001	
Wire feed mounting bracket kit - only for wirefeeder assembled with wheel kit	0447617880	
Bobbin cover kit, plastic Ø 300 mm	0458674880	
Wheel kit - only front wheel turn	0458707880	
Wheel kit - all wheel turn	0458707881	
Adapter for Ø 440 mm bobbin	0459233880	

Product Name	Part No.	
Lifting eye	0458706880	
Strain relief for welding torch	0457341881	
Quick connector MarathonPac™	F102440880	
Strain relief bracket for connection set	0459234880	
Counter balance device Note: IP23 not valid for wire feeder with counterbalance arm.	0458705880	

STEP 6

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6/0.8	0.8/1.0	0.9/1.0/1.2	1.4/1.6	Roller Marking	Feed/Pressure Roller
V-groove 	X				0.6 S2 & 0.8 S2	0459052001
		X			0.8 S2 & 1.0 S2	0459052002
			X		1.0 S2 & 1.2 S2	0459052003
				X	1.4 S2 & 1.6 S2	0459052013

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
		
0455049001	0455072002	0469837880

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0/1.2	1.2/1.2	1.2/1.4	1.6	Roller Marking	Feed/Pressure Roller
V-K-knurled 	X				0.6 R2 & 0.8 R2	0458825001
		X			0.8 R2 & 1.0 R2	0458825010
			X		1.0 R2 & 1.2 R2	0458825002
				X	1.4 R2 & 1.6 R2	0458825003

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
		
0455049001	0455072002	0469837880

MULTI-PROCESS Fabricator EM 401w

Part Number	0446400883



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	30 A / 15.5 V – 400 A / 34 V
Setting range MMA (SMAW)	30 A / 21.2 V – 400 A / 36 V
Open circuit voltage	65.0 V
Efficiency @ max current Mig	86%
Power factor @ max current Mig	0.91
Welding output MIG	400 A /34 V @ 60%
Welding output MMA	400 A /36 V @ 60%
Recommended slow fuse	32A
Energy saving mode	< 35W
Operating temperature	-10° to 40° C
Wire diameter range	0.8 – 1.2 mm
Supply cable diam. size	4 x 6 mm^2
Protection class	IP23
Application class	S
Isolation class	H
Dimensions L x W x H	1035 x 500 x 1015 mm
Weight w/ cooling unit w/o coolant	111.5 kg
Weight w/ cooling unit and coolant	115.5 kg
Approvals	CE, ECO Design

Panel Information

Product Family	Product Name	Ending arc current	Ending arc voltage	Arc force	Inductance	Wire diameter	Welding process	Welding gas	2 stroke/4 stroke/4 stroke cont.	Gas purge
Fabricator powersource panel	nn	x	x	x	x	x	x	x	x	x

STEP 2

Wire Feeder Selection

Product Family	Product Name	Ordering Part Number	Drive System	Water Cooling	Feeding Speed	Weld Spool Capacity	Max Spool Diameter
Fabricator feed	Fabricator Feed 304 w	0446401882	4 wheels drive	x	1.5 – 25.0 m/min	18 kg	300 mm

Max Diam CS Solid Wire	Max Diam SS Solid Wire	Max Diam Cored Wire	Dimensions	Weight
0.8 - 1.6 mm	0,8 - 1,6 mm	0.9 - 1,6 mm	675 x 265 x 418 mm	14.2

STEP 3

Connection Cable Selection

Product Family	Product Name	2 m	5 m	10 m	15 m	25 m
Connection cable	70mm^2 water cooled	0459836890	0459836891	0459836892	0459836893	0459836894
Connection cable	95mm^2 water cooled	0459836990	0459836991	0459836992	0459836993	0459836994

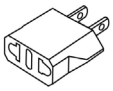
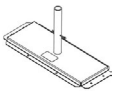
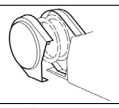
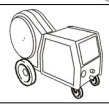
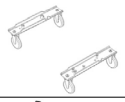
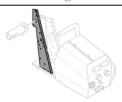
STEP 4

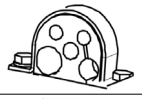
Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	MXL 511 w	0700025260	0700025261	0700025262
Mig torches	MXL 411 w	0700025250	0700025251	0700025252

STEP 5

Accessories Selection

Product Name	Part No.	
Converter plug for gas heater supply	0447014001	
Wire feed mounting bracket kit - only for wirefeeder assembled with wheel kit	0447617880	
Bobbin cover kit, plastic Ø 300 mm	0458674880	
Wheel kit - only front wheel turn	0458707880	
Wheel kit - all wheel turn	0458707881	
Adapter for Ø 440 mm bobbin	0459233880	

Product Name	Part No.	
Lifting eye	0458706880	
Strain relief for welding torch	0457341881	
Quick connector MarathonPac™	F102440880	
Water kit for wire feeder	0465276881	
Strain relief bracket for connection set	0459234880	
Counter balance device (includes mast and counter balance) Note: IP23 not valid for wire feeder with counterbalance arm.	0458705880	

STEP 6

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6/0.8	0.8/1.0	0.9/1.0/1.2	1.4/1.6	Roller Marking	Feed/Pressure Roller
V-groove 	X				0.6 S2 & 0.8 S2	0459052001
		X			0.8 S2 & 1.0 S2	0459052002
			X		1.0 S2 & 1.2 S2	0459052003
				X	1.4 S2 & 1.6 S2	0459052013

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire 	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
0455049001	0455072002	0469837880

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0/1.2	1.2/1.2	1.2/1.4	1.6	Roller Marking	Feed/Pressure Roller
V-K-knurled 	X				0.6 R2 & 0.8 R2	0458825001
		X			0.8 R2 & 1.0 R2	0458825010
			X		1.0 R2 & 1.2 R2	0458825002
				X	1.4 R2 & 1.6 R2	0458825003

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire 	Middle Wire Guide 2 mm for 0.6-1.6 mm	Outlet Wire Guide 2 mm for 0.6-1.6 mm
0455049001	0455072002	0469837880

MULTI-PROCESS Fabricator EM 501i

Part Number	0446400882



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3 ~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	30 A / 15.5 V – 500 A/39 V
Setting range MMA (SMAW)	30 A / 21.2 V – 500 A/40 V
Open circuit voltage	78,0 V
Efficiency @ max current Mig	87%
Power factor @ max current Mig	0.91
Welding output MIG	500 A @ 60%
Welding output MMA	500 A @ 60%
Recommended slow fuse	32 A
Energy saving mode	< 35W
Operating temperature	-10° to 40° C
Wire diameter range	1.0 - 1.6 mm
Supply cable diam. size	4 x 6 mm²
Protection class	IP23
Application class	S
Isolation class	H
Dimensions L x W x H	1035 x 500 x 1015 mm
Weight w/ cooling unit w/o coolant	111.5 kg
Weight w/ cooling unit & coolant	111.5 kg
Approvals	CE, ECO Design

Panel Information

Product Family	Product Name	Ending arc current	Ending arc voltage	Arc force	Inductance	Wire diameter	Welding process	Welding gas	2 stroke/4 stroke/4 stroke cont.	Gas purge
Fabricator powersource panel	nn	x	x	x	x	x	x	x	x	x

STEP 2

Wire Feeder Selection

Product Family	Product Name	Ordering Part Number	Drive System	Water Cooling	Feeding Speed	Max Spool Diameter
Fabricator feed	Fabricator Feed 304 w	0446401882	4 wheels drive	Embedded	1.5 – 25.0 m/min	300 mm

Max Diam CS Solid Wire	Max Diam SS Solid Wire	Max Diam Cored Wire	Dimensions	Weight
0.8 - 1.6 mm	0.8 - 1.6 mm	0.9 - 1.6 mm	676 x 265 x 418 mm	14.2 kg

STEP 3

Connection Cable Selection

Product Family	Product Name	2 m	5 m	10 m	15 m	25 m
Connection cable	70mm² water cooled	0459836890	0459836891	0459836892	0459836893	0459836894
Connection cable	95mm² water cooled	0459836990	0459836991	0459836992	0459836993	0459836994

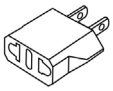
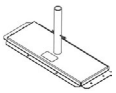
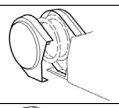
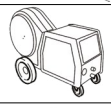
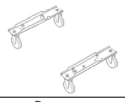
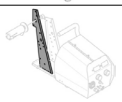
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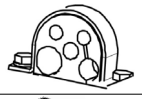
Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	MXL 511 w	0700025260	0700025261	0700025262
Mig torches	MXL 411 w	0700025250	0700025251	0700025252

STEP 5

Accessories Selection

Product Name	Part No.	
Converter plug for gas heater supply	0447014001	
Wire feed mounting bracket kit - only for wirefeeder assembled with wheel kit	0447617880	
Bobbin cover kit, plastic Ø 300 mm	0458674880	
Wheel kit - only front wheel turn	0458707880	
Wheel kit - all wheel turn	0458707881	
Adapter for Ø 440 mm bobbin	0459233880	

Product Name	Part No.	
Lifting eye	0458706880	
Strain relief for welding torch	0457341881	
Quick connector MarathonPac™	F102440880	
Water kit for wire feeder	0465276881	
Strain relief bracket for connection set	0459234880	
Counter balance device (includes mast and counter balance) Note: IP23 not valid for wire feeder with counterbalance arm.	0458705880	

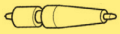
STEP 6

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

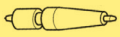
Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6/0.8	0.8/1.0	0.9/1.0/1.2	1.4/1.6	Roller Marking	Feed/Pressure Roller
V-groove 	X				0.6 S2 & 0.8 S2	0459052001
		X			0.8 S2 & 1.0 S2	0459052002
			X		1.0 S2 & 1.2 S2	0459052003
				X	1.4 S2 & 1.6 S2	0459052013

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire 	Middle Wire Guide 2 mm for 0.6-1.6 mm 	Outlet Wire Guide 2 mm for 0.6-1.6 mm 
0455049001	0455072002	0469837880

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0/1.2	1.2/1.2	1.2/1.4	1.6	Roller Marking	Feed/Pressure Roller
V-K-knurled 	X				0.6 R2 & 0.8 R2	0458825001
		X			0.8 R2 & 1.0 R2	0458825010
			X		1.0 R2 & 1.2 R2	0458825002
				X	1.4 R2 & 1.6 R2	0458825003

Inlet Wire Guide Ø 3 mm for 0.6-1.6 mm Fe, Ss, Cored Wire 	Middle Wire Guide 2 mm for 0.6-1.6 mm 	Outlet Wire Guide 2 mm for 0.6-1.6 mm 
0455049001	0455072002	0469837880

MMA/TIG DC Fabricator ES 410iC

Part Number	0447100881



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	400 V +/- 15%, 3ph 50/60Hz
Voltage/Current range TIG DC MMA	 30 A / 21,2 V - 410 A / 36,4 V 10 A / 10,4V - 410 A / 26,4 V
Open circuit Voltage U0 Max VRD deactivated VRD function activated	 76 V 13,5 V
Efficiency Efficiency TIG @ Max Current Efficiency MMA @ Max Current	 86% 88%
Power factor TIG @ Max current	0.79
Power factor MMA @ Max current	0.82
Permissible load TIG (GTAW)	410 A / 26,4 V @ 60% 310 A / 22,4 V @ 100%
Permissible load MMA (SMAW)	410 A / 36,4 V @ 60% 310 A / 32,4 V @ 100%
Idle state power (fan stop running)	40 W (VRD OFF) 15 W (VRD ON)
Continual sound pressure at no load	<70db (A)
Dfuse slow	32 A
Operating temperature	- 10° + 40° C (+14° to +104° F)
Enclosure class	IP23S
Insulation class	F
Application class	S
Dimension L x W x H	525 x 280 x 475mm
Weight	35,5 kg
Approvals	CE, ECODesign

Panel Information

Product Family	Product Name
MMA machine	Fabricator ES 410iC

Panel Functions

Processes	MMA Setting	Other functionalities
MMA	Hot Start - Adjustable with knob	VRD ON/OFF
MMA Cellulosic - XX10	Arc Force - Adjustable with knob	Local/Remote
TIG DC - Live Tig		
Gouging		

STEP 2

Trolley Selection

Product Family	Product Name	Ordering part number	Gas bottle	
Accessory	Wheel kit for powersource	0447996127	No	

STEP 3

Torches Selection

Cooling	Duty cycle	Electrode Ø	Module	Handle	4m	8m	Model
Gas	200 A @ 60%	0,5 - 4,0 mm	Trigger	Large	0700025530	0700025531	EXEOR TIG SR 26V HD

STEP 4

Accessories Selection

Product Name	Part No.	
MMA 4 Analogue Remote Control incl. 10 m cable and 8-pin connector	0700 500 084	
MMA welding cable 400A, Twist, 50 mm 2, 5 m, OKC50 (Handy 400)	0700 006 890	
MMA welding cable 500A, Twist, 50 mm 2, 5 m, OKC50 (ESAB 500)	0700 006 892	
Return cable 500A, 50 mm 2, 5 m, OKC 50 (EG 600)	0700 006 893	

TIG DC PULSED Fabricator ET 410iP

Part Number	0447101881



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	400 V +/- 15%, 3ph 50/60Hz
Voltage/Current range TIG DC MMA	 5 A / 10,2 V - 410 A / 26,4 V 30 A / 21,2 V - 410 A / 36,4 V
Open circuit Voltage U0 Max VRD deactivated VRD function activated	 76 V 13,5 V
Efficiency Efficiency TIG @ Max Current Efficiency MMA @ Max Current	 86% 88%
Power factor TIG @ Max current	0.79
Power factor MMA @ Max current	0.82
Permissible load TIG (GTAW)	410 A / 26,4 V @ 60% 310 A / 22,4 V @ 100%
Permissible load MMA (SMAW)	410 A / 36,4 V @ 60% 310 A / 32,4 V @ 100%
Idle state power (fan stop running)	40 W (VRD OFF) 15 W (VRD ON)
Continual sound pressure at no load	<70db (A)
Dfuse slow	32 A
Operating temperature	- 10° + 40° C (+14° to +104° F)
Enclosure class	IP23S
Insulation class	F
Application class	S
Dimension L x W x H	525 x 280 x 475mm
Weight	38,5 kg
Approvals	CE, ECODesign

Panel Information

Product Family	Product Name
Fabricator powersource panel	nn

Panel Functions

Method selection: TIG HF, TIG Lift Arc, MMA	TIG DC main settings	TIG DC Pulse main settings	MMA
Tig Selection: DC, DC Pulse,	Pre/Post Gas	Pulse current	Start Pulse (similar to hot start)
MMA Selection: DC	Slope UP/DOWN	Pulse %	Arc Force
Selection 2T/4T/4TS/SPOT	Start Pulse (similar to hot start)	Pulse Hz	Set current
VRD	Initial /Set / Final current	Background current	

STEP 2

Cooling Unit Selection

Optional. If you include, select also trolley adapter (see accessory list)

Product Family	Product Name	Ordering Part Number	Cooling power	Max water flow	Coolant quantity	Max pressure lift for torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1,8 l/Min	4,5l	4,6 bar	15 kg

STEP 3

Accessory selection

Package composition	Accessory to select	Ordering part number	Gas bottle	Cooling unit	
Including cooling unit	Trolley 4 wheels	0349313450	Yes	Yes	
Without cooling unit	Wheel kit for powersource	0447996127	No	No	

STEP 4

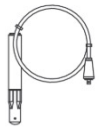
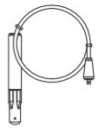
Torches Selection

Cooling	Duty cycle	Electrode Ø	Module	Handle	4m	8m	Model
Liquid	340 A @100%	0,5 - 4,0 mm	Potentiometer	Small	0700026294	0700026295	EXEOR TIG 21-R
Liquid	320 A @100%	0,5 - 4,0 mm	Trigger	Large	0700026280	0700026281	EXEOR TIG SR 18
Gas	200 A @ 60%	0,5 - 4,0 mm	Trigger	Large	0700025518	0700025519	EXEOR TIG SR 26
Gas	280 A @ 35%	0,5 - 4,0 mm	Trigger	Large	0700026240	0700026241	EXEOR TIG SR X26

STEP 5

Accessories Selection

Product Name	Part No.	
MMA 4 Analogue Remote Control incl. 10 m cable and 8-pin connector	0700 500 084	
Cool 2 Adaptor (Connect Fabricator ET 410iP with Cool 2)	0447 248 001	
tig Foot control unit Including 4,6 m	W4014450	
ESAB ready mixed coolant Use of any other cooling liquid than the prescribed one might damage the equipment. In case of such damage, all warranty undertakings from ESAB cease to apply.	0465 720 002	

Product Name	Part No.	
MMA welding cable 400A, Twist, 50 mm 2, 5 m, OKC50 (Handy 400)	0700 006 890	
MMA welding cable 500A, Twist, 50 mm 2, 5 m, OKC50 (ESAB 500)	0700 006 892	
Return cable 500A, 50 mm2, 5 m, OKC 50 (EG 600)	0700 006 893	

MMA COMPACT Renegade ES 300i



Part Number	Contents
0445100880	Renegade ES 300i delivered with only 3 m main cable
0445250881	Renegade ES 300i delivered with shoulder strap, 3 m main, 5 m welding and ground cable

Panel Functions

Method selection: MMA, Live TIG	Current/volt set/measure
3 memory position	VRD indicator
Cellulosic electrode selector	Overheating indicator
Remote control on/off	Setting knob

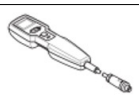
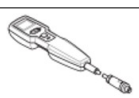
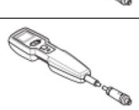
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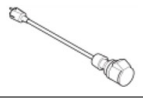
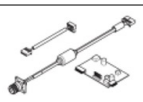
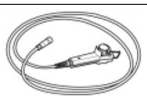
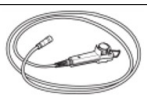
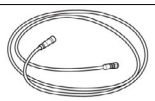
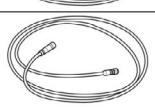
Powersource Selection

Technical Information	
Input voltage	3ph 230-480V +/- 10%, 50/60Hz 1ph 230V +/- 10%, 50/60Hz
Setting range MMA (SMAW)	5A / 20V - 300A / 32V - 3ph, 230-480V 5A / 20V - 200A / 28V - 1ph, 230V
Setting range TIG (GTAW)	5A / 10V - 300A / 22V - 3ph, 230-480V 5A / 10V - 200A / 18V - 1ph, 230V
Open circuit Voltage	48V - VRD 35V Deactivated 34V - VRD 35V Activated
Efficiency MMA @ Max Current	89% / 87%, 3ph/1ph
Efficiency TIG @ Max Current	85% / 84%, 3ph/1ph
Power factor MMA @ Max current	0,96 / 0,98 , 3ph/1ph
Power factor TIG @ Max current	0,96 / 0,99, 3ph/1ph
Permissible load MMA (SMAW)	300A / 32V @ 40% 250A / 30V @ 60% 250A / 28V @ 100%
Permissible load TIG (GTAW)	300A / 22V @ 60% 250A / 20V @ 100%
Supply plug and mains cable	CEE 16A, 4x 2,5mm2 main cable
No Load Power in energy saving mode	27W with supply 480V
Fuse type C MCB	16A (380 - 480V 3ph supply)
Recommended Generator power	20 kW
Operating temperature	- 10° + 40° C
Enclosure class	IP23
Insulation class, transformer	F
Application class	S
Dimension L x W x H	460 x 200 x 320 mm
Weight	15 kg
Approvals	CE, ECODesign

STEP 2

Accessories Information

Product Name	Part No.	
Shoulder strap kit	0445197880	
Trolley	0460 330 881	
Welding cable kit 3m, including electrode holder and OKC 50 connector	0700006902	
Welding cable kit 5 meter, incl. electrode holder and OKC 50 connector	0700006888	
Return cable kit 3 meter, incl. clamp and OKC 50 connector	0700 006 903	
Return cable kit 5 meter, incl. clamp and OKC 50 connector	0700 006 889	
OKC 50 male contact	0160 360 881	
ER 1 Remote control. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445 536 881	
ER 1 Remote control. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445 536 882	
3 ER 1 Remote control. 25 m (82 ft) interconnection cable, 6 pin, included	0445 536 883	

Product Name	Part No.	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft) Interconnection cable, 6 pin, 25 m (82 ft)	0445 280 880 0445 280 881 0445 280 882	
1 to 3 phase adapter Note: Only for use with Renegade ES 300i (0445 100 880), ET 300i (0445 100 900) and ET 300iP (0445 100 920)	0445 139 880	
Renegade analogue remote kit	0445 840 880	
Remote Control MMA3, 10 m	0445 870 880	
Remote Control MMA3, 25 m	0445 870 881	
Interconnection cable for analogue remote control MMA3, 10 m	0445 693 880	
Interconnection cable for analogue remote control MMA3, 25 m	0445 693 881	
Interconnection cable for analogue remote controls AT1 and AT1 C/F, 10 m	0445 694 880	
1 Interconnection cable for analogue remote controls AT1 and AT1 C/F, 25 m	0445 694 881	

TIG COMPACT Renegade ET 300i



Part Number	Contents
0445100900	3 m mains cable and plug, 5 m return cable and clamp, 2 m gas

Panel Functions

Method selection: TIG HF, LiftArc, MMA	Dual current mode
3 memory position	Foot pedal compatible
2T-4T trigger functionality	Remote control compatible
Adjustable pre-flow/post flow	Adjustable Hot Start
Adjustable slope up/slope down	Adjustable Arc Force

STEP 1

Powersource Selection

Technical Information	
Input voltage	3ph 230-480V +/- 10%, 50/60Hz 1ph 230V +/- 10%, 50/60Hz
Setting range MMA (SMAW)	5A / 20V - 300A / 32V - 3ph, 230-480V 5A / 20V - 200A / 28V - 1ph, 230V
Setting range TIG (GTAW)	5A / 10V - 300A / 22V - 3ph, 230-480V 5A / 10V - 200A / 18V - 1ph, 230V
Open circuit Voltage	48V - VRD 35V Deactivated 34V - VRD 35V Activated
Efficiency MMA @ Max Current	89% / 87%, 3ph/1ph
Efficiency TIG @ Max Current	85% / 84%, 3ph/1ph
Power factor MMA @ Max current	0,96 / 0,98 , 3ph/1ph
Power factor TIG @ Max current	0,96 / 0,99, 3ph/1ph
Permissible load MMA (SMAW)	300A / 32V @ 40% 250A / 30V @ 60% 200A / 28V @ 100%
Permissible load TIG (GTAW)	300A / 22V @ 60% 250A / 20V @ 100%
Supply plug and mains cable	CEE 16A, 4x 2,5mm2 main cable
No Load Power in energy saving mode	3ph: 27W - 1ph: 20W
Fuse type C MCB	16A (380 - 415V)
Recommended Generator power	20 kW
Operating temperature	- 10° + 40° C
Enclosure class	IP23
Insulation class, transformer	F
Application class	S
Dimension L x W x H	460 x 200 x 320 mm
Weight	15 kg
Approvals	CE, ECODesign

STEP 2

Cooling Unit Selection

Optional, if you select, include a water cooled torch

Product Family	Product Name	Part Number	Cooling power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax
Cooling unit	EC1000	0445045880	0,9 kW	1.8 l/min	1.5 l	4.5 bar (65 psi)

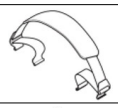
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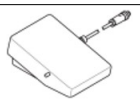
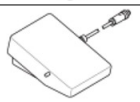
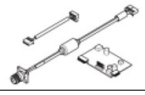
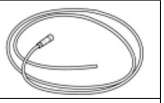
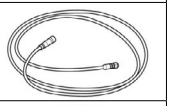
Torch Selection

Product Family	Product Name	4 m	8 m
Tig torches	SR-B 21 Torch, Water, OKC 50	0700025544	0700025545
Tig torches	SR-B 26 Torch, Air, OKC 50	0700025518	0700025519

STEP 4

Accessories Information

Product Name	Part No.	
Shoulder strap kit	0445197880	
Trolley	0460 330 881	
Welding cable kit 3 m, including electrode holder and OKC 50 connector	0700006902	
Welding cable kit 5 meter, incl. electrode holder and OKC 50 connector	0700006888	
Return cable kit 3 meter, incl. clamp and OKC 50 connector	0700 006 903	
Return cable kit 5 meter, incl. clamp and OKC 50 connector	0700 006 889	
OKC 50 male contact	0160 360 881	
ER 1 remote control. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445 536 881	
ER 1 remote control. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445 536 882	
3 ER 1 remote control. 25 m (82 ft) interconnection cable, 6 pin, included	0445 536 883	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft) Interconnection cable, 6 pin, 25 m (82 ft)	0445 280 880 0445 280 881 0445 280 882	

Product Name	Part No.	
ER 1 F Foot pedal. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445 550 881	
ER 1 F Foot pedal. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445 550 882	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft)	0445 254 880 0445 254 881	
1 to 3 phase adapter Note! Only for use with Renegade ES 300i (0445 100 880), ET 300i (0445 100 900) and ET 300iP (0445 100 920)	0445 139 880	
Renegade analogue remote kit	0445 840 880	
Remote Control MMA3, 10 m	0445 870 880	
Remote Control MMA3, 25 m	0445 870 881	
Interconnection cable for analogue remote control MMA3, 10 m	0445 693 880	
Interconnection cable for analogue remote control MMA3, 25 m	0445 693 881	
Interconnection cable for analogue remote controls AT1 and AT1 C/F, 10 m	0445 694 880	
1 interconnection cable for analogue remote controls AT1 and AT1 C/F, 25 m	0445 694 881	

TIG COMPACT Renegade ET 300iP



Part Number	Contents
0445100920	3m mains cable and plug, 5 m return cable and clamp, 2m gas

Panel Functions

Method selection: TIG HF, LiftArc, MMA	Dual current mode
Pulse /high frequency Pulse	Foot pedal compatible
2T-4T trigger functionality	Remote control compatible
Adjustable pre-flow/post flow	Adjustable Hot Start
Adjustable slope up/slope down	Adjustable Arc Force

STEP 1

Powersource Selection

Technical Information	
Input voltage	3ph 230-480V +/- 10%, 50/60Hz 1ph 230V +/- 10%, 50/60Hz
Setting range MMA (SMAW)	5A / 20V - 300A / 32V - 3ph, 230-480V 5A / 20V - 200A / 28V - 1ph, 230V
Setting range TIG (GTAW)	5A / 10V - 300A / 22V - 3ph, 230-480V 5A / 10V - 200A / 18V - 1ph, 230V
Open circuit Voltage	48V - VRD 35V Deactivated 34V - VRD 35V Activated
Efficiency MMA @ Max Current	89% / 87%, 3ph/1ph
Efficiency TIG @ Max Current	85% / 84%, 3ph/1ph
Power factor MMA @ Max current	0,96 / 0,98 , 3ph/1ph
Power factor TIG @ Max current	0,96 / 0,99, 3ph/1ph
Permissible load MMA (SMAW)	300A / 32V @ 40% 250A / 30V @ 60% 200A / 28V @ 100%
Permissible load TIG (GTAW)	300A / 22V @ 60% 250A / 20V @ 100%
Supply plug and mains cable	CEE 16A, 4x 2,5mm2 main cable
No Load Power in energy saving mode	3ph: 27W - 1ph: 20W
Fuse type C MCB	16A (380 - 415V)
Recommended Generator power	20 kW
Operating temperature	- 10° + 40° C
Enclosure class	IP23
Insulation class, transformer	F
Application class	S
Dimension L x W x H	460 x 200 x 320 mm
Weight	15 kg
Approvals	CE, ECODesign

STEP 2

Cooling Unit Selection

Optional, if you select, include a water cooled torch

Product Family	Product Name	Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax
Cooling unit	EC1000	0445045880	0.9 kW	1.8 l/min	1.5 l	4.5 bar (65 psi)

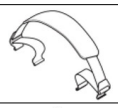
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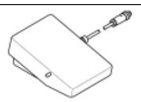
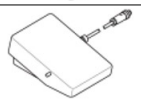
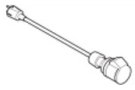
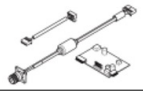
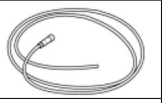
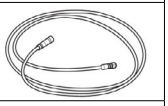
Torch Selection

Product family	Product name	4m	8m
Tig torches	SR-B 21 Torch, Water, OKC 50	0700025544	0700025545
Tig torches	SR-B 26 Torch, Air, OKC 50	0700025518	0700025518

STEP 4

Accessories Information

Product Name	Part No.	
Shoulder strap kit	0445197880	
Trolley	0460 330 881	
Welding cable kit 3 m, including electrode holder and OKC 50 connector	0700006902	
Welding cable kit 5 meter, incl. electrode holder and OKC 50 connector	0700006888	
Return cable kit 3 meter, incl. clamp and OKC 50 connector	0700 006 903	
Return cable kit 5 meter, incl. clamp and OKC 50 connector	0700 006 889	
OKC 50 male contact	0160 360 881	
ER 1 remote control. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445 536 881	
ER 1 remote control. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445 536 882	
3 ER 1 remote control. 25 m (82 ft) interconnection cable, 6 pin, included	0445 536 883	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft) Interconnection cable, 6 pin, 25 m (82 ft)	0445 280 880 0445 280 881 0445 280 882	

Product Name	Part No.	
ER 1 F foot pedal. 5 m (16.4 ft) interconnection cable, 6 pin, included	0445 550 881	
ER 1 F foot pedal. 10 m (32.8 ft) interconnection cable, 6 pin, included	0445 550 882	
Interconnection cable, 6 pin, 5 m (16.4 ft) Interconnection cable, 6 pin, 10 m (32.8 ft)	0445 254 880 0445 254 881	
1 to 3 phase adapter Note! Only for use with Renegade ES 300i (0445 100 880), ET 300i (0445 100 900) and ET 300iP (0445 100 920)	0445 139 880	
Renegade analogue remote kit	0445 840 880	
Remote Control MMA3, 10 m	0445 870 880	
Remote Control MMA3, 25 m	0445 870 881	
Interconnection cable for analogue remote control MMA3, 10 m	0445 693 880	
Interconnection cable for analogue remote control MMA3, 25 m	0445 693 881	
Interconnection cable for analogue remote controls AT1 and AT1 C/F, 10 m	0445 694 880	
1 Interconnection cable for analogue remote controls AT1 and AT1 C/F, 25 m	0445 694 881	

TIG AC/DC TIG 4300

Part Number	0460100880



STEP 1

Powersource Selection

Technical Information	
Input voltage	400 V +/- 10%, 3ph 50Hz
Voltage/Current range TIG AC/DC	4 - 430 A
Voltage/Current range MMA	16 - 430 A
Open circuit Voltage U0 Max	83V No VRD in rating plate
	60V U0L Live Tig, VRD deactivated
	60V MMA, VRD deactivated
	<35V VRD function activated
Efficiency TIG @ Max Current	76%
Efficiency MMA @ Max Current	80%
Power factor TIG @ Max current	0.89
Power factor MMA @ Max current	0.89
Permissible load TIG (GTAW)	430A / 27,2 V @30% 350A / 24,0V @ 60% 315A / 22,6V @ 100%
Permissible load MMA (SMAW)	430A / 37,2V @ 30%
	330A / 33,2V @ 60%
	300A / 32,0V @ 100%
No-load power in energy saving mode, 6,5 min after welding	42 W
Continual sound pressure at no load	<70db (A)
Anti surge fuse	20A (TIG and MMA)
Fuse type MCB	20A (TIG), 25A (MMA)
Operating temperature	- 10° + 40° C (+14° to +104° F)
Enclosure class	IP23
Insulation class, transformer	H
Application class	S
Dimension L x W x H	625 x 394 x 776mm
Weight	95 kg
Approvals	CE, ECODesign

PANEL FUNCTIONS

Method selection: TIG HF, TIG Lift Arc, MMA	TIG DC and AC main settings	TIG DC Pulse main settings	TIG AC main settings	MMA
Tig Selection: DC, DC Pulse, AC	Pre/Post Gas	Pulse current	Balance setting	Hot Stat, Arc Force,
MMA Selection: DC -, DC+, AC	Slope UP /DOWN	Pulse time	Frequency setting	Arc Plusl for basic electrodes
Selection 2T/4T	Changing trigger data	Background current	Electrode pre heating	Arc Plus II for rutile and cellulosic
VRD	Current	Background time		Drop welding

COOLING UNIT

Embedded, no need for additional order.

Product family	Product name	Cooling power	Max water flow
Cooling unit	n.a.	2,0 kW	2,0 l/Min

STEP 2

Trolley

Product Name	Part No.	
Trolley For TIG 4300	0458530881	

STEP 3

Torches Selection

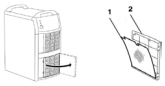
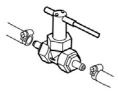
Cooling	Duty cycle 100%	Electrode ø	Head	Remote	4m	8m	Model
Water	225A AC - 320A DC	0,5 - 4,0	Rigid		0700025550	0700025551	SR-B 18
Water	225A AC - 320A DC	0,5 - 4,0	Flexible		0700025554	0700025555	SR-B 18 FX
Water	240A AC - 340A DC	0,5 - 0,32	Rigid		0700025544	0700025545	SR-B 21
Water	240A AC - 340A DC	0,5 - 0,32	Flexible		0700025548	0700025549	SR-B 21 FX
Water	240A AC - 340A DC	0,5 - 0,32	Rigid	x	0700025573*	0700025574*	SR-B21 FX R*
Water	315A AC - 450A DC	1,0 - 4,8	Rigid		0700025538	0700025539	SR-B 400
Water	315A AC - 450A DC	1,0 - 4,8	Rigid	x	0700025575*	0700025576*	SR-B 400 R*

* To be used in conjunction with remote adapter kit 0459 491 912 - see accessories section.

STEP 4

Accessories Information

Product Name	Part No.	
3 Remote control unit AT1 CAN MMA and TIG: current	0459 491 883	
Remote control unit AT1 CF CAN MMA and TIG: rough and fine setting of current.	0459 491 884	
T1 Foot CAN - Foot control unit Including 5 m (16.4 ft) cable	0460 315 880	
Remote cable CAN 4 pole - 12 pole 5 m (16.4 ft) 10 m (32.8 ft) 15 m (49.2 ft) 25 m (82.0 ft) 0.25 m (0.82 ft)	0459 554 880 0459 554 881 0459 554 882 0459 554 883 0459 554 884	
Return cable 5 m 70 mm2 (16.4 ft)	0700 006 895	

Product Name	Part No.	
1 - Filter 2 - Front grille	1 - 0458 398 001 2 - 0458 398 001	
Water flow guard 0.7 l/min (0.17 gpm)	0456 855 880	
ESAB ready mixed coolant Use of any other cooling liquid than the prescribed one might damage the equipment. In case of such damage, all warranty undertakings from ESAB cease to apply.	0465 720 002	
Remote adapter kit for TXH 401wr/401wr HD, incl. holder *Recommended remote interconnection cable 0459 554 884	0459 491 912*	

MULTI-PROCESS Warrior 400i + Warrior Feed

Part Number	0465350884



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	16 - 400 A
Setting range MMA (SMAW)	16 - 400 A
Setting range TIG (GTAW)	5 - 400 A
Open circuit voltage	56 V peak (no VRD) 28 V peak (w/ VRD)
Efficiency @ max current Mig	90%
Power factor @ max current Mig	0.91
Welding output MIG	400 A/34.0V @ 60% duty cycle 300 A/30.0V @ 100% duty cycle
Welding output TIG	400 A/26.0V @ 60% duty cycle 300 A/22.0V @ 100% duty cycle
Welding output MMA	400 A/36.0V @ 60% duty cycle 300 A/32.0V @ 100% duty cycle
Recommended slow fuse	25 A
Energy saving mode	30 W
Operating temperature	-10° to 40° C
Protection class	IP23
Application class	S
Insulation class	H
Dimensions L x W x H	712 x 325 x 470 mm 712 x 425 x 700 mm w/ cooling unit
Weight	59 kg 74 kg with cooling unit

STEP 2

Cooling Unit Selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1.8 l/Min	4.5l	4.6 bar	15 kg

Panel Information

Product Family	Product Name
Warrior Feed	Warrior Feed 304w

Standard Features

Available on all panels

Water cooled
IP23
Standard 30 mm rollers
Measured volts
Gas purge
Wire inching
2T/4T
Measured wire feed speed
Creep start
Burnback/SCT

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Ordering Part Number	Flowmeter & Heater
Warrior Feed	Warrior Feed 304w	0465250881	No

STEP 4

Connection Cable Selection

Feeder model	Cooling	Power cable size	1.7 m	5 m	10 m	15 m	25 m	35 m
WarriorFeed 304w	Gas	70mm^2	0459836880	0459836881	0459836882	0459836883	0459836884	0459836885
WarriorFeed 304w	Water	70mm^2	0459836890	0459836891	0459836892	0459836893	0459836894	0459836895

STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PS F415	0700025040	0700025041	0700025042
Mig torches	PSF 515	0700025050	0700025051	0700025052
Mig torches	PSF 420 W	0700025060	0700025061	0700025062
Mig torches	PSF 520 W	0700025070	0700025071	0700025072

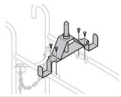
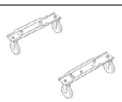
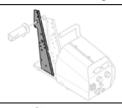
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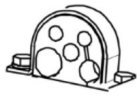
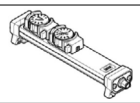
Trolley

Product Name	Part No.	
Trolley For Aristo 500ix/Warrior	0349313450	

STEP 7

Accessories Information

Product Name	Part No.	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit Warrior feed - Front wheels turn	0458707880	
Wheel kit Warrior feed - All wheels turn	0458707881	
Bobbin cover kit, plastic Ø 300 mm	0458674880	
Adapter for Ø 440 mm bobbin - NOTE: IP23 not valid for wire feeder with Ø 440 mm (17,32 Inch) bobbin	0459233880	
Lifting eye	0458706880	
Warrior feed torch strain relief	0457341881	

Product Name	Part No.	
Quick connector Marathon pack	F102440880	
Strain relief bracket for conection set	0459234880	
Coolant 10l	0465720002	
Remote contro M1	0459491895	
Remote Cable M1 23 pole - 8 pole, 5m	0459553880	
Remote outlet kit feeder 23p	0465451880	
Remote ADAPTOR Miggytrac	0465451881	

STEP 8

Wear Part List

Product Family	Product Name
Wear Warrior Feed 304w	n.a.

Wears part for Fe, Ss, and cored wire - different wire guides dependent on wire diameter

Wire Diameter mm	0.6	0.8	0.9/1.0	1.0	1.2	1.4	1.6	Feed Roller
V-groove 	x	x						0445850001
		x		x				0445850002
			x		x			0445850003
						x	x	0445850004

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	Feed Roller
V-K-knurled 	x	x			0458825001
		x			0458825010
		x	x		0458825002
				x	0458825003

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

Wears part for Al - different wire guides dependent on wire diameter

Wire Diameter mm	0,8	0,9/1,0	1,0	1.2	1.6	Feed Roller
U-groove 	x	x				0458824001
			x	x		0458824002
				x	x	0458824003

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

MULTI-PROCESS Warrior 400i

Part Number	0465350884



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	16 - 400 A
Setting range MMA (SMAW)	16 - 400 A
Setting range TIG (GTAW)	5 - 400 A
Open circuit voltage	56 V peak (no VRD) 28 V peak (w/ VRD)
Efficiency @ max current Mig	90%
Power factor @ max current Mig	0.91
Welding output MIG	400 A/34.0V @ 60% duty cycle 300 A/30.0V @ 100% duty cycle
Welding output TIG	400 A/26.0V @ 60% duty cycle 300 A/22.0V @ 100% duty cycle
Welding output MMA	400 A/36.0V @ 60% duty cycle 300 A/32.0V @ 100% duty cycle
Recommended slow fuse	25 A
Energy saving mode	30 W
Operating temperature	-10° to 40° C
Protection class	IP23
Application class	S
Insulation class	H
Dimensions L x W x H	712 x 325 x 470 mm 712 x 425 x 700 mm w/ cooling unit
Weight	59 kg 74 kg with cooling unit

STEP 2

Cooling Unit Selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1.8 l/Min	4.5l	4.6 bar	15 kg

Panel Information

Product Family	Product Name
RobustFeed	RobustFeed PRO

Standard Features

Available on all panels

Water cooled
IP44
Remote outlet (opt).
Precidrive 38mm rollers
Measured volts
Gas purge
Wire inching
2T/4T
Measured wire feed speed
Creep start
Crater filling
Burnback/SCT

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Ordering Part Number	Flowmeter & Heater
RobustFeed	RobustFeed PRO Water	0445800881	No
	RobustFeed PRO Water Off Shore	0445800883	Yes

STEP 4

Connection Cable Selection

Product Family	Product Name	1.7 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70mm2 Water cooled	0446160890	0446160891	0446160892	0446160893	0446160894	0446160895
Connection cable	95mm2 Water cooled	0446160990	0446160991	0446160992	0446160993	0446160994	0446160995

STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PS F415	0700025040	0700025041	0700025042
Mig torches	PSF 515	0700025050	0700025051	0700025052
Mig torches	PSF 420 W	0700025060	0700025061	0700025062
Mig torches	PSF 520 W	0700025070	0700025071	0700025072

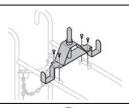
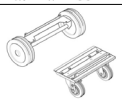
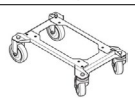
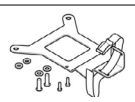
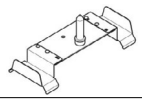
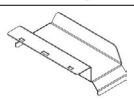
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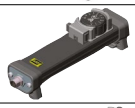
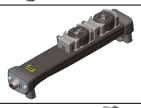
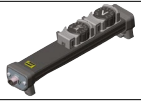
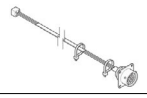
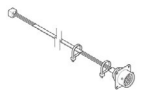
Trolley

Product Name	Part No.	
Trolley For Aristo 500ix/Warrior	0349313450	

STEP 7

Accessories Information

Product Name	Part No.	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Trolley retrofit kit for RobustFeed - To fit RobustFeed on existing Warrior Trolley 04655108	0349313100	
Quick connector marathon pack	F102440880	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Cable mounting bracket	0446877880	
Counterbalance Arm RobustFeed	0448181880	

Product Name	Part No.	
Coolant 10l	0465720002	
Foot control FS002	0349030886	
Remote control AT1	0459491896	
Remote control AT coarse fine	0459491897	
Remote control M1	0459491895	
Remote cable AT1/AT1 CF 5 m Remote cable AT1/AT1 CF 10 m Remote cable AT1/AT1 CF 15 m Remote cable AT1/AT1 CF 25 m	0459552880 0459552881 0459552882 0459552883	
Remote cable M1 5 m Remote cable M1 10 m Remote cable M1 25 m	0459551880 0459551881 0459551883	
Remote outlet kit powersouce 12 p	0465424880	
Remote outlet kit feeder 23 p - Not for Robust feed	0465451880	
Remote ADAPTOR Miggytrac	0465451881	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Warrior 500i + Warrior Feed 304w

Part Number	0465350883



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz 380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	16 - 500 A
Setting range MMA(SMAW)	16 - 500 A
Setting range TIG (GTAW)	5 - 500 A
Open circuit voltage	56 V peak (no VRD) 28 V peak (w/ VRD)
Efficiency @ max current Mig	90%
Power factor @ max current Mig	0.91
Welding output MIG	500 A/39.0 V @ 60% duty cycle 400 A/34.0 V @ 100% duty cycle
Welding output TIG	500 A/30.0 V @ 60% duty cycle 400 A/26.0 V @ 100% duty cycle
Welding output MMA	500 A/40.0 V @ 60% duty cycle 400 A/36.0 V @ 100% duty cycle
Recommended slow fuse	32 A
Energy saving mode	30 W
Operating temperature	-10° to 40° C
Protection class	IP23
Application class	S
Insulation class	H
Dimensions L x W x H	712 x 325 x 470 mm 712 x 425 x 700 mm w/ cooling unit
Weight	59 kg 74 kg with cooling unit

STEP 2

Cooling unit selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1.8 l/Min	4.5 l	4.6 bar	15 kg

Panel Information

Product Family	Product Name
Warrior Feed	Warrior Feed 304w

Standard Functions

Available on all panels

Water cooled
IP23
Standard 30 mm rollers
Measured volts
Gas purge
Wire inching
2T/4T
Measured wire feed speed
Creep start
Burnback/SCT

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Ordering Part Number	Flowmeter & Heater
Warrior Feed	Warrior Feed 304w	0465250881	No

STEP 4

Connection Cable Selection

Feeder model	Cooling	Power cable size	1.7 m	5 m	10 m	15 m	25 m	35 m
WarriorFeed 304w	Gas	70mm^2	0459836880	0459836881	0459836882	0459836883	0459836884	0459836885
WarriorFeed 304w	Water	70mm^2	0459836890	0459836891	0459836892	0459836893	0459836894	0459836895

STEP 5

Torches Selection

Product family	Product Name	3 m	4 m	5 m
Mig torches	PS F415	0700025040	0700025041	0700025042
Mig torches	PSF 515	0700025050	0700025051	0700025052
Mig torches	PSF 420 W	0700025060	0700025061	0700025062
Mig torches	PSF 520 W	0700025070	0700025071	0700025072

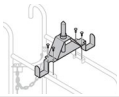
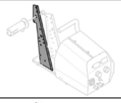
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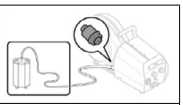
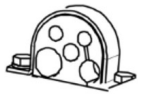
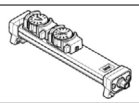
Trolley

Product Name	Part No.	
Trolley for Aristo 500ix/Warrior	0349313450	

STEP 7

Accessories Information

Product Name	Part No.	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit Warrior feed - Front wheels turn	0458707880	
Wheel kit Warrior feed - All wheels turn	0458707881	
Bobbin cover kit, plastic Ø 300 mm	0458674880	
Adapter for Ø 440 mm bobbin - NOTE: IP23 not valid for wire feeder with Ø 440 mm (17,32 Inch) bobbin	0459233880	
Lifting eye	0458706880	
Warrior feed torch strain relief	0457341881	

Product Name	Part No.	
Quick connector Marathon pack	F102440880	
Strain relief bracket for conection set	0459234880	
Coolant 10l	0465720002	
Remote contro M1	0459491895	
Remote Cable M1 23 pole - 8 pole, 5m	0459553880	
Remote outlet kit feeder 23p	0465451880	
Remote ADAPTOR Miggytrac	0465451881	

STEP 8

Wear Part List

Product Family	Product Name
Wear part Warrior Feed 304	n.a.

Wears part for Fe, Ss, and cored wire - different wire guides dependent on wire diameter

Wire Diameter mm	0.6	0.8	0.9/1.0	1.0	1.2	1.4	1.6	Feed Roller
V-groove 	x	x						0445850001
		x		x				0445850002
			x		x			0445850003
						x	x	0445850004

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	Feed Roller
V-K-knurled 	x	x			0458825001
		x			0458825010
		x	x		0458825002
				x	0458825003

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

Wears part for Al - different wire guides dependent on wire diameter

Wire Diameter mm	0,8	0,9/1,0	1,0	1.2	1.6	Feed Roller
U-groove 	x	x				0458824001
			x	x		0458824002
				x	x	0458824003

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.6 - 1.6	0455049001	0455072002	0469837880

MULTI-PROCESS Warrior 500i

Part Number	0465350883



3 YEAR WARRANTY

eco POWER

STEP 1

Powersource Selection

Technical Information	
Input voltage	380-415 V, ±10%, 3~ 50/60 Hz 380-415 V, ±10%, 3~ 50/60 Hz
Setting range MIG (GMAW/FCAW)	16 - 500 A
Setting range MMA(SMAW)	16 - 500 A
Setting range TIG (GTAW)	5 - 500 A
Open circuit voltage	56 V peak (no VRD) 28 V peak (w/ VRD)
Efficiency @ max current Mig	90%
Power factor @ max current Mig	0.91
Welding output MIG	500 A/39.0 V @ 60% duty cycle 400 A/34.0 V @ 100% duty cycle
Welding output TIG	500 A/30.0 V @ 60% duty cycle 400 A/26.0 V @ 100% duty cycle
Welding output MMA	500 A/40.0 V @ 60% duty cycle 400 A/36.0 V @ 100% duty cycle
Recommended slow fuse	32 A
Energy saving mode	30 W
Operating temperature	-10° to 40° C
Protection class	IP23
Application class	S
Insulation class	H
Dimensions L x W x H	712 x 325 x 470 mm 712 x 425 x 700 mm w/ cooling unit
Weight	59 kg 74 kg with cooling unit

STEP 2

Cooling unit selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1.8 l/Min	4.5 l	4.6 bar	15 kg

Panel Information

Product Family	Product Name
RobustFeed	RobustFeed PRO

Standard Functions

Available on all panels

Water cooled
IP44
Remote outlet (opt).
Precidrive 38 mm rollers
Measured volts
Gas purge
Wire inching
2T/4T
Measured wire feed speed
Creep start
Crater filling
Burnback/SCT

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Ordering Part Number	Flowmeter & Heater
RobustFeed	RobustFeed PRO Water	0445800881	No
	RobustFeed PRO Water Off Shore	0445800883	Yes

STEP 4

Connection Cable Selection

Product Family	Product Name	1.7 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70mm2 Water cooled	0446160890	0446160891	0446160892	0446160893	0446160894	0446160895
Connection cable	95mm2 Water cooled	0446160990	0446160991	0446160992	0446160993	0446160994	0446160995

STEP 5

Torches Selection

Product family	Product Name	3 m	4 m	5 m
Mig torches	PS F415	0700025040	0700025041	0700025042
Mig torches	PSF 515	0700025050	0700025051	0700025052
Mig torches	PSF 420 W	0700025060	0700025061	0700025062
Mig torches	PSF 520 W	0700025070	0700025071	0700025072

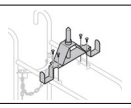
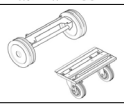
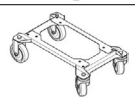
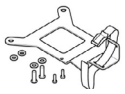
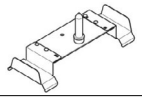
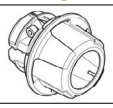
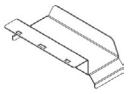
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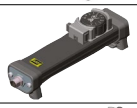
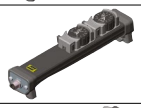
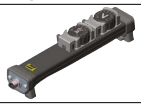
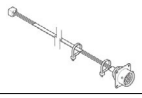
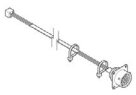
Trolley

Product Name	Part No.	
Trolley for Aristo 500ix/Warrior	0349313450	

STEP 7

Accessories Information

Product Name	Part No.	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Trolley retrofit kit for RobustFeed - To fit RobustFeed on existing Warrior Trolley 04655108	0349313100	
Quick connector marathon pack	F102440880	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Cable mounting bracket	0446877880	
Counterbalance Arm RobustFeed	0448181880	

Product Name	Part No.	
Coolant 10l	0465720002	
Foot control FS002	0349030886	
Remote control AT1	0459491896	
Remote control AT coarse fine	0459491897	
Remote control M1	0459491895	
Remote cable AT1/AT1 CF 5 m Remote cable AT1/AT1 CF 10 m Remote cable AT1/AT1 CF 15 m Remote cable AT1/AT1 CF 25 m	0459552880 0459552881 0459552882 0459552883	
Remote cable M1 5 m Remote cable M1 10 m Remote cable M1 25 m	0459551880 0459551881 0459551883	
Remote outlet kit powersouce 12 p	0465424880	
Remote outlet kit feeder 23 p - Not for Robust feed	0465451880	
Remote ADAPTOR Miggytrac	0465451881	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

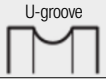
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Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Warrior 750i

Part Number	0445555880



3 YEAR WARRANTY

eco POWER

OPTIMIZED FOR ARCAIR

STEP 1

Powersource Selection

Technical Information	
Input voltage	380 - 460V, +/- 3 - 50/60Hz
Setting range MIG (GMAW/FCAW)	16A / 15V - 820A / 44V
Setting range MMA (SMAW)	15A / 15V - 820A / 44V
Setting range TIG (GTAW)	10A / 10V - 820A / 34V
Gouging (CAC - A)	100A / 18V - 850A / 44V
Open circuit voltage	63/89 V peak DC (no VRD) 25/33 V peak DC (no VRD)
Efficiency @ max current	91%
Power factor @ max current	0.91
Permissible load MIG/MMA (GMAW/SMAW)	820A / 44V @60% duty cycle 750A / 44V @ 100% duty cycle
Permissible load TIG (GTAW)	820A / 34V @60% duty cycle 750A / 34V @ 100% duty cycle
Gouging	850A / 44V @35% duty cycle 820A / 44V @60% duty cycle 750A / 44V @ 100% duty cycle
No load power in energy saving mode	25 W
Operating temperature	-10° to 40° C
Protection class	IP23
Application class	S
Isolation class	H
Dimensions L x W x H	850 x 415 x637 mm
Weight	101 kg

STEP 2

Cooling Unit Selection

Optional. If you include, select the appropriate water cooled components

Product Family	Product Name	Ordering Part Number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Supply Voltage	Weight
Cooling unit	Cool 2 Stand Alone	0465427881	1 kW	1.8 l/Min	4.5l	4.6 bar	42 V, 50/60Hz	15.5 kg

Panel Information

Product Family	Product Name
Multiprocess	Warrior 750 CC/CV

Standard Functions

Available on powersource

MIG CV
MMA
TIG (Live Tig)
GOUGING
AVS FEEDER
MMA Cel/Rut/basic selector
Inductance (MIG)
Arc Force (MMA)

STEP 3

Wire Feeder Selection

All wire feeders are suitable for water cooling

Product Family	Product Name	Ordering Part Number	Flowmeter & Heater
RobustFeed	RobustFeed PRO Water	0445800881	No
	RobustFeed PRO Water Off Shore	0445800883	Yes

STEP 4

Connection Cable Selection

Product Family	Product Name	2 m	5 m	10 m	15 m	25 m	35 m
Connection cable	70mm² Gas cooled	0459836880	0459836881	0459836882	0459836883	0459836884	0459836885
Connection cable	70mm² Water cooled	0459836890	0459836891	0459836892	0459836893	0459836894	0459836895
Connection cable	95mm² Gas cooled	0459836980	0459836981	0459836982	0459836983	0459836984	0459836985
Connection cable	95mm² Water cooled	0459836990	0459836991	0459836992	0459836993	0459836994	0459836995

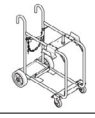
STEP 5

Torches Selection

Product Family	Product Name	3 m	4 m	5 m
Mig torches	PS F415	0700025040	0700025041	0700025042
Mig torches	PSF 515	0700025050	0700025051	0700025052
Mig torches	PSF 420 W	0700025060	0700025061	0700025062
Mig torches	PSF 520 W	0700025070	0700025071	0700025072

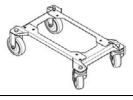
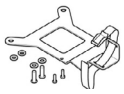
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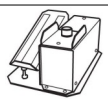
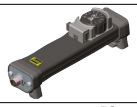
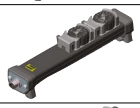
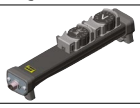
Trolley

Product Name	Part No.	
Trolley 4 wheels air cooled	0446398880	
Trolley 4 wheels water cooled	0446270880	

STEP 7

Accessories Information

Product Name	Part No.	
Gouging cables, 95 mm2	0413768897 - 5m 0413768898 - 10m 0413768899 - 15 m 0413768880 - 18m 0413768881 - 21m 0413768882 - 24m 0413768883 - 27m 0413768884 - 30m	
K4000 • Heavy-duty general-purpose torch • Accepts 5/32" (4.0 mm) to 1/2" (13 mm) round electrodes and 3/8"" (9.5 mm) and 5/8" (16 mm) flat electrodes • Maximum of 1000 A	6108 2008	
Tri ARC • Heavy-duty general-purpose torch • Accepts 5/16" (7.9 mm) to 1" (25 mm) round electrodes • Maximum of 2200 A	6299 1417	
Wheel kit robust feed	0446081880	
Torch strain relief Robust feed	0446082880	
Quick connector Marathon pack	F102440880	
Liquid cooling kit robust feed	0446123880	

Product Name	Part No.	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Lug to OKC Adapter	0446507880	
Coolant 10l	0465720002	
Foot Control FS002	0349030886	
Remote control AT1	0459491896	
Remote control AT Coarse fine	0459491897	
Remote contro M1	0459491895	
Remote Cable AT1/AT1 CF 5m Remote Cable AT1/AT1 CF 10m Remote Cable AT1/AT1 CF 15m Remote Cable AT1/AT1 CF 25m	0459552880 0459552881 0459552882 0459552883	
Remote Cable M1 5m Remote Cable M1 10m Remote Cable M1 25m	0459551880 0459551881 0459551883	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Warrior EDGE 500 CXi

Part Number	0448500880



STEP 1

Powersource Selection

Technical Information	
Input Voltage	380 -460 V ±10%, 3ph, 50/60 Hz
Setting Range MIG (GMAW/FCAW)	8 A / 8.0 V -500 A / 44 V
Setting Range MMA(SMAW)	8 A / 20.3 V -500 A / 40 V
Setting Range TIG (GTAW)	4 A / 10.2 V -500 A / 30 V
Open circuit Voltage	54.8 V
Efficiency @ Max Current Mig	88%
Power factor @ Max Current Mig	0.93
Efficiency @ Max Current MMA	89%
Power factor @ Max Current MMA	0.91
Welding Output MIG	500 A / 39.0 V at 60% duty cycle 400 A / 34.0 V at 100% duty cycle
Welding Output TIG	500 A / 30.0 V at 60% duty cycle 400 A / 26.0 V at 100% duty cycle
Welding Output MMA	500 A / 40.0 V at 60% duty cycle 400 A / 36.0 V at 100% duty cycle
Fuse type C MCB	32A
Idle Power	43 W
Operating Temperature	-20 to +55°C
Protection Class	IP23
Application Class	S
Insulation Class	H
Dimensions L x W x H	700 x 325 x 680 mm
Weight	85 kg
Certification	CE, Ecodesign

CXI FEATURE CHART

Product family	Product name	Syn Cs	Syn SS	Syn Al	PULSE	SPEED	THIN	ROOT
Power source	Warrior EDGE CXI (CE)	X	X	X	X			

STEP 2

Cooling Unit Selection

Optional. If you include, select opportune water cooled components.

Product Family	Product Name	Ordering part number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1,8 l/Min	4,5l	4,6 bar	15 kg

STEP 3

Wire Feeder Selection

Technical information feeding unit

Product Family	Product Name	Ordering Part Number	True Flow Digital Gas Control	Weight
RobustFeed	RobustFeed EDGE BX	0446600880	No	16.8 Kg
	RobustFeed EDGE CX	0446600881	Yes	17.5 Kg

Product Family	Product Name	Standard features available on CX and BX feeding unit	
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Precidrive motor w/38 mm diam rollers	IP 54 protection class
		Water cooling	Max spool 20 kg/300 mm
		Flowmeter and heater	Max feeding speed 0.8 - 25.0 mm/min

External panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Process selection: CV, synergic, pulsed, MMA, gouging.	2-4 strokes	Estimated amperage	Operator management
			Wire inching	Volt and WFS adjustment	Dynamic CV
		Jobs selection	Gas purge	Arc length	Dynamic pulse

Internal panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
Robust Feed	RobustFeed EDGE BX RobustFeed EDGE CX	Base metal, V, WFS, wire diam. gas type, gas flow	CV, synergic CS/SS, pulsed CS/SS, MMA, gouging	Torch remote configuration	True arc compensate
		Welding parameter/limit setting	Creep start	Burnback/SCT	Error log
		Job parameter and limit setting	Adjustable hot start and crater fill	Gas pre and post flow setting	Operator management setting

STEP 4

Connection Cable Selection

Product Family	Product Name	2m	5m	10m	15m	20m	25m	35m
Connection cable	70 mm2 gas cooled	0446310880	0446310881	0446310882	0446310883	0446310884	0446310885	0446310886
Connection cable	70 mm2 water cooled	0446310890	0446310891	0446310892	0446310893	0446310894	0446310895	0446310896
Connection cable	95 mm2 gas cooled	0446310980	0446310981	0446310982	0446310983	0446310984	0446310985	0446310986
Connection cable	95 mm2 water cooled	0446310990	0446310991	0446310992	0446310993	0446310994	0446310995	0446310996

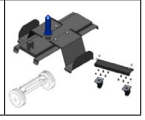
STEP 5

Torches Selection

Product Family	Cooling		Functionality			Length			Product Name
	Gas	Water	No remote	Up & Down	Display	3m	4m	5m	
Mig torches	x		x			0700026056	0700026057	0700026058	Exeor Mig 4.0G2
Mig torches	x			x		0700025727	0700025728	0700025729	Exeor Mig 4.0G2CX
Mig torches	x				x	0700025758	0700025759	0700025760	Exeor Mig 4.0G2DX
Mig torches		x	x			0700026050	0700026051	0700026052	Exeor Mig 4.0W2
Mig torches		x		x		0700025730	0700025731	0700025732	Exeor Mig 4.0W2CX
Mig torches		x			x	0700025733	0700025734	0700025735	Exeor Mig 4.0W2DX

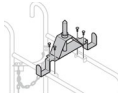
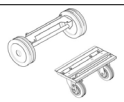
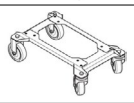
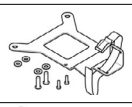
STEP 6

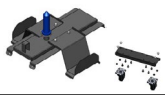
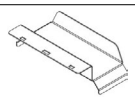
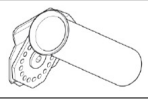
Trolley

Product Name	Part No.	Counterbalance	Gas bottle	
Trolley 4 wheels	0349313450	Possible	yes	
Powersource wheel kit(1), Feeder bracket and stabilizer(2)	0465416880 (1) 0447518880 (2)	No	No	

STEP 7

Accessories Information

Product Name	Part No.	
NFC Administrator cards kit	0447776880	
NFC User cards kit	0447776881	
Trolley for > 300 mm spool	0349313700	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Counterbalance Arm RobustFeed	0448181880	
Counterbalance extension kit for use with 6m and 7,5m torches	0448116880	

Product Name	Part No.	
Feeder mounting kit, powersource assembly including cable holders and stabilizer kit	0447518880	
Stabilizer kit for counterbalance	0460946880	
Quick connector marathon pack	F102440880	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Cable mounting bracket	0446877880	
Coolant 10 l	0465720002	
Boom adaptor (lifting device)	0446956880	
RobustFeed torch holder	0446958880	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

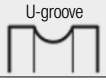
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Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Warrior EDGE 500 CXii

Part Number	0448500881



STEP 1

Powersource Selection

Technical Information	
Input Voltage	380 -460 V ±10%, 3ph, 50/60 Hz
Setting Range MIG (GMAW/FCAW)	8 A / 8.0 V -500 A / 44 V
Setting Range MMA(SMAW)	8 A / 20.3 V -500 A / 40 V
Setting Range TIG (GTAW)	4 A / 10.2 V -500 A / 30 V
Open circuit Voltage	54.8 V
Efficiency @ Max Current Mig	88%
Power factor @ Max Current Mig	0.93
Efficiency @ Max Current MMA	89%
Power factor @ Max Current MMA	0.91
Welding Output MIG	500 A / 39.0 V at 60% duty cycle 400 A / 34.0 V at 100% duty cycle
Welding Output TIG	500 A / 30.0 V at 60% duty cycle 400 A / 26.0 V at 100% duty cycle
Welding Output MMA	500 A / 40.0 V at 60% duty cycle 400 A / 36.0 V at 100% duty cycle
Fuse type C MCB	32A
Idle Power	43 W
Operating Temperature	-20 to +55°C
Protection Class	IP23
Application Class	S
Insulation Class	H
Dimensions L x W x H	700 x 325 x 680 mm
Weight	85 kg
Certification	CE, Ecodesign

CXII FEATURE CHART

Product family	Product name	Syn Cs	Syn SS	Syn Al	PULSE	SPEED	THIN	ROOT
Power source	Warrior EDGE CXI (CE)	X	X	X	X	X		

STEP 2

Cooling Unit Selection

Optional. If you include, select opportune water cooled components.

Product Family	Product Name	Ordering part number	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax	Weight
Cooling unit	Cool 2	0465427880	1 kW	1,8 l/Min	4,5l	4,6 bar	15 kg

STEP 3

Wire Feeder Selection

Technical information feeding unit

Product Family	Product Name	Ordering Part Number	True Flow Digital Gas Control	Weight
RobustFeed	RobustFeed EDGE BX	0446600880	No	16.8 Kg
	RobustFeed EDGE CX	0446600881	Yes	17.5 Kg

Product Family	Product Name	Standard features available on CX and BX feeding unit	
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Precidrive motor w/38 mm diam rollers	IP 54 protection class
		Water cooling	Max spool 20 kg/300 mm
		Flowmeter and heater	Max feeding speed 0.8 - 25.0 mm/min

External panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Process selection: CV, synergic, pulsed, MMA, gouging.	2-4 strokes	Estimated amperage	Operator management
			Wire inching	Volt and WFS adjustment	Dynamic CV
		Jobs selection	Gas purge	Arc length	Dynamic pulse

Internal panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
Robust Feed	RobustFeed EDGE BX RobustFeed EDGE CX	Base metal, V, WFS, wire diam. gas type, gas flow	CV, synergic CS/SS, pulsed CS/SS, MMA, gouging	Torch remote configuration	True arc compensate
		Welding parameter/limit setting	Creep start	Burnback/SCT	Error log
		Job parameter and limit setting	Adjustable hot start and crater fill	Gas pre and post flow setting	Operator management setting

STEP 4

Connection Cable Selection

Product Family	Product Name	2m	5m	10m	15m	20m	25m	35m
Connection cable	70 mm2 gas cooled	0446310880	0446310881	0446310882	0446310883	0446310884	0446310885	0446310886
Connection cable	70 mm2 water cooled	0446310890	0446310891	0446310892	0446310893	0446310894	0446310895	0446310896
Connection cable	95 mm2 gas cooled	0446310980	0446310981	0446310982	0446310983	0446310984	0446310985	0446310986
Connection cable	95 mm2 water cooled	0446310990	0446310991	0446310992	0446310993	0446310994	0446310995	0446310996

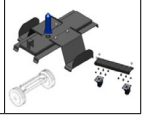
STEP 5

Torches Selection

Product Family	Cooling		Functionality			Length			Product Name
	Gas	Water	No remote	Up & Down	Display	3m	4m	5m	
Mig torches	x		x			0700026056	0700026057	0700026058	Exeor Mig 4.0G2
Mig torches	x			x		0700025727	0700025728	0700025729	Exeor Mig 4.0G2CX
Mig torches	x				x	0700025758	0700025759	0700025760	Exeor Mig 4.0G2DX
Mig torches		x	x			0700026050	0700026051	0700026052	Exeor Mig 4.0W2
Mig torches		x		x		0700025730	0700025731	0700025732	Exeor Mig 4.0W2CX
Mig torches		x			x	0700025733	0700025734	0700025735	Exeor Mig 4.0W2DX

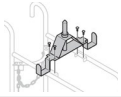
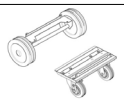
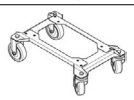
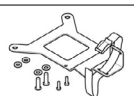
STEP 6

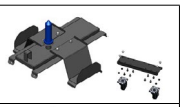
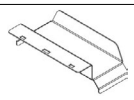
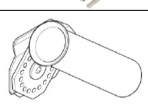
Trolley

Product Name	Part No.	Counterbalance	Gas bottle	
Trolley 4 wheels	0349313450	Possible	yes	
Powersource wheel kit(1), Feeder bracket and stabilizer(2)	0465416880 (1) 0447518880 (2)	No	No	

STEP 7

Accessories Information

Product Name	Part No.	
NFC Administrator cards kit	0447776880	
NFC User cards kit	0447776881	
Trolley for > 300 mm spool	0349313700	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Counterbalance Arm RobustFeed	0448181880	
Counterbalance extension kit for use with 6m and 7,5m torches	0448116880	

Product Name	Part No.	
Feeder mounting kit, powersource assembly including cable holders and stabilizer kit	0447518880	
Stabilizer kit for counterbalance	0460946880	
Quick connector marathon pack	F102440880	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Cable mounting bracket	0446877880	
Coolant 10 l	0465720002	
Boom adaptor (lifting device)	0446956880	
RobustFeed torch holder	0446958880	

STEP 8

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

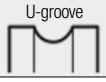
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Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885

MULTI-PROCESS Warrior EDGE 500 DX

Part Number	0448300886



STEP 1

Powersource Selection

Technical Information	
Input Voltage	380 -460 V ±10%, 3ph, 50/60 Hz
Setting Range MIG (GMAW/FCAW)	8 A / 8.0 V -500 A / 44 V
Setting Range MMA(SMAW)	8 A / 20.3 V -500 A / 40 V
Setting Range TIG (GTAW)	4 A / 10.2 V -500 A / 30 V
Open circuit Voltage	54.8 V
Efficiency @ Max Current Mig	88%
Power factor @ Max Current Mig	0.93
Efficiency @ Max Current MMA	89%
Power factor @ Max Current MMA	0.91
Welding Output MIG	500 A / 39.0 V at 60% duty cycle 400 A / 34.0 V at 100% duty cycle
Welding Output TIG	500 A / 30.0 V at 60% duty cycle 400 A / 26.0 V at 100% duty cycle
Welding Output MMA	500 A / 40.0 V at 60% duty cycle 400 A / 36.0 V at 100% duty cycle
Fuse type C MCB	32A
Idle Power	43 W
Operating Temperature	-20 to +55°C
Protection Class	IP23
Application Class	S
Insulation Class	H
Dimensions L x W x H	700 x 325 x 680 mm
Weight	85 kg
Certification	CE, Ecodesign

WARRIOR EDGE DX FEATURE CHART

Product family	Product name	Syn Cs	Syn SS	Syn Al	PULSE	SPEED	THIN	ROOT
Power source	Warrior EDGE DX	X	X	X	X	X	X	X

Cooling Unit - Embedded no need for order

Technical information

Product Family	Product Name	Cooling Power	Max Water Flow	Coolant Quantity	Max Pressure Lift for Torch Qmax
Cooling unit	nn	1.4 kW	2.0 l/Min	4,7l	4,5 bar

STEP 2

Wire Feeder Selection

Technical information feeding unit

Product Family	Product Name	Ordering Part Number	True Flow Digital Gas Control	Weight
RobustFeed	RobustFeed EDGE BX	0446600880	No	16.8 Kg
	RobustFeed EDGE CX	0446600881	Yes	17.5 Kg

Product Family	Product Name	Standard features available on CX and BX feeding unit	
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Precidrive motor w/38 mm diam rollers	IP 54 protection class
		Water cooling	Max spool 20 kg/300 mm
		Flowmeter and heater	Max feeding speed 0.8 - 25.0 mm/min

External panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
RobustFeed	RobustFeed EDGE BX RobustFeed EDGE CX	Process selection: CV, synergic, pulsed, MMA, gouging.	2-4 strokes	Estimated amperage	Operator management
			Wire inching	Volt and WFS adjustment	Dynamic CV
		Jobs selection	Gas purge	Arc length	Dynamic pulse

Internal panel information

Product Family	Product Name	Standard features available on CX and BX feeding unit panels			
Robust Feed	RobustFeed EDGE BX RobustFeed EDGE CX	Base metal, V, WFS, wire diam. gas type, gas flow	CV, synergic CS/SS, pulsed CS/SS, MMA, gouging	Torch remote configuration	True arc compensate
		Welding parameter/limit setting	Creep start	Burnback/SCT	Error log
		Job parameter and limit setting	Adjustable hot start and crater fill	Gas pre and post flow setting	Operator management setting

STEP 3

Connection Cable Selection

Product Family	Product Name	2m	5m	10m	15m	20m	25m	35m
Connection cable	70 mm2 gas cooled	0446310880	0446310881	0446310882	0446310883	0446310884	0446310885	0446310886
Connection cable	70 mm2 water cooled	0446310890	0446310891	0446310892	0446310893	0446310894	0446310895	0446310896
Connection cable	95 mm2 gas cooled	0446310980	0446310981	0446310982	0446310983	0446310984	0446310985	0446310986
Connection cable	95 mm2 water cooled	0446310990	0446310991	0446310992	0446310993	0446310994	0446310995	0446310996

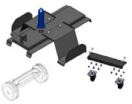
STEP 4

Torches Selection

Product Family	Application	Cooling		Functionality			Length			Product Name
		Gas	Water	No remote	Up & Down	Display	3m	4m	5m	
Mig torches	All	x		x			0700026056	0700026057	0700026058	Exeor Mig 4.0G2
Mig torches	All	x			x		0700025727	0700025728	0700025729	Exeor Mig 4.0G2CX
Mig torches	All	x				x	0700025758	0700025759	0700025760	Exeor Mig 4.0G2DX
Mig torches	All		x	x			0700026050	0700026051	0700026052	Exeor Mig 4.0W2
Mig torches	All		x		x		0700025730	0700025731	0700025732	Exeor Mig 4.0W2CX
Mig torches	All		x			x	0700025733	0700025734	0700025735	Exeor Mig 4.0W2DX
Mig torches	Root	x		x			0700026025	0700026026	0700026027	Exeor Mig 3.0G-S
Mig torches	Root	x			x		0700026028	0700026029	0700026030	Exeor Mig 3.0G-S CX

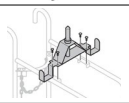
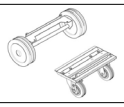
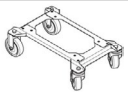
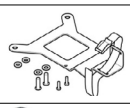
STEP 5

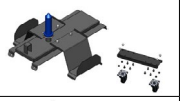
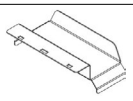
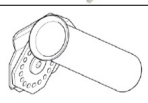
Trolley

Product Name	Part No.	Counterbalance	Gas bottle	
Trolley 4 wheels	0349313450	Possible	yes	
Powersource wheel kit(1), Feeder bracket and stabilizer(2)	0465416880 (1) 0447518880 (2)	No	No	

STEP 6

Accessories Information

Product Name	Part No.	
NFC Administrator cards kit	0447776880	
NFC User cards kit	0447776881	
Trolley for > 300 mm spool	0349313700	
Guide pin extension kit (necessary if feeder wheel kit is selected)	0465508880	
Wheel kit powersource	0465416880	
Wheel kit RobustFeed	0446081880	
Torch strain relief RobustFeed	0446082880	
Counterbalance Arm RobustFeed	0448181880	
Counterbalance extension kit for use with 6m and 7,5m torches	0448116880	

Product Name	Part No.	
Feeder mounting kit, powersource assembly including cable holders and stabilizer kit	0447518880	
Stabilizer kit for counterbalance	0460946880	
Quick connector marathon pack	F102440880	
Interconnection strain relief kit (for update of cables without strain relief)	0446050880	
Cable mounting bracket	0446877880	
Coolant 10 l	0465720002	
Boom adaptor (lifting device)	0446956880	
RobustFeed torch holder	0446958880	

STEP 7

Wear Part List

Product Family	Product Name
Wear part RobustFeed	n.a.

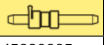
Wears part for carbon steel, stainless and cored wires

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	2	Feed Roller
V-groove 	X	X							0445850001
		X	X						0445850002
			X						0445850003
			X	X					0445850004
				X					0445850005
					X	X			0445850006
								X	0445850007

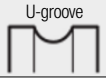
	Inlet Wire Guide 	Middle Wire Guide 	Outlet Wire Guide 
Wire dia 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881

Wears part for cored wires - different wire guides dependent on wire diameter

Wire Diameter mm	0.9/1.0	1.2	1.4	1.6	1.8	2.0	2.4	Feed Roller
V-K-knurled 	X	X						0445850030
		X						0445850031
		X	X					0445850032
				X				0445850033
					X			0445850034
						X		0445850035
							X	0445850036

	Inlet Wire Guide 	Middle Wire Guide 	Outlet Wire Guide 
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080882	0445830881
Wire dia. 1.8 - 2.4	0445822002 (3 mm)	0446080883	0445830882

Wears part for aluminium

Wire Diameter mm	0.6	0.8	0.9/1.0	1.2	1.4	1.6	1.8	Feed Roller
U-groove 		X						0445850050
			X					0445850051
			X			X		0445850052

	Inlet Wire Guide	Middle Wire Guide	Outlet Wire Guide
Wire dia. 0.9 - 1.6	0445822001 (2 mm)	0446080881	0445830885