



POWERCUT® 1300 PLASMARC™ CUTTING PACKAGE

PowerCut® 1300 Plasmarc™ Cutting Package

PowerCut® 1300 makes plasma cutting easier and more economical than ever before, delivering reliability, high production and a wide variety of performance features. With design features that simplify operation, reduce set-up time and enhance consumable life, it lets you spend less time troubleshooting and more time cutting.

- *Rugged design - Durable external housing design is damage-resistant, corrosion-resistant and weather-resistant, while remaining lightweight for portability*
- *Input voltage selector switch - conveniently located on back of the machine, lets you easily change input voltage from 208 to 460*
- *Tool-less Quick Disconnect torch disconnects from machine for storage, repairs, or replacement without the use of wrenches or special tools, or to attach a PT-37 mechanized torch*
- *Digital readout display is easy to read and shows exact pressures or amperage. Display also shows help codes to assist in troubleshooting*
- *Switch between gouge, grate and normal modes automatically, tailoring your application without manually changing settings on console*
- *Delivers the extra output voltage needed for superior plasma gouging capability*
- *Torch wrap and spare parts kit holder is standard on all packages*
- *Blowback technology eliminates high-frequency startups that can disrupt CNC controls and nearby computer systems*
- *Sensitive internal electronics are suspended from the aluminum frame, insulating them from shock and vibration*
- *Silicone-sealed switches are immune to corrosion and dust and dirt infiltration*
- *Automatic fan control allows cooling fan to run only when necessary – conserves energy and reduces ingested dust and dirt*
- *Built-in power line conditioner protects against damage from power line noise and spikes, even with poor-quality power*
- *Plug N Play mechanized option lets you easily transform your manual cutting system into a powerful mechanized system for your gantry machine*
- *Three-year warranty on console*
- *Optional five-year warranty on console*
- *One-year warranty on torch*

**3
YEAR
WARRANTY**
optional 5-year
warranty available



PowerCut

Specifications

Cuts	1-1/4 in. (32 mm); severs 1-1/2 in. (38 mm)
Output:	60% duty cycle 70A (1 ph)
	100% duty cycle 70A (3 ph)
Input 1 phase 208/230 VAC, 50/60 Hz., 70/60 A
Input 3 phase 208/230 VAC, 50/60 Hz, 36/31 A
Input 3 phase 230/460 VAC, 50/60 Hz, 31/20 A
Input 3 phase 400 VAC, 50/60 Hz, 18 A
Input 3 phase 575 VAC, 50/60 Hz, 14 A
Air requirements 400 cfm at 80 psig (165 l/min. @ 4.8-5.2 bars)
Dimensions:	Length 27.80" (706 mm)
	Height 14.90" (378 mm)
	Width 12.70" (323 mm)
Weight 90 lbs. (41 kg)

Torches

PT-38 Hand Torch

PowerCut® 1300 uses the PT-38 torch. For breakdown of parts and cut-speed charts, refer to PT-38 data page 39.

PowerCut® 1300 also uses the PT-37 mechanized torch, refer to PT-37 data page 37.

Ordering Information

PowerCut® 1300 208-230/460V, 25 ft. (7.6mm) PT38.....	0558007221
PowerCut® 1300 208-230/460V, 50 ft. (15.2mm) PT-38.....	0558007222
PowerCut® 1300 208-230/460V, BL, 25 ft. (7.6mm) PT-38	0558007221F
PowerCut® 1300 575V, BL, 25 ft. (7.6mm) PT-38.....	0558007228
PowerCut® 1300 575V, BL, 50 ft. (15.2mm) PT-38.....	0558007229
PowerCut® 1300 400V, 25 ft. (7.6mm) PT-38	0558007635
PowerCut® 1300 400V, CE, 25 ft. (7.6mm) PT-38.....	0558007225
PowerCut® 1300 400V, CE, 50 ft. (15.2mm) PT-38	0558007226

Note: "CE" Items are used outside North America
"BL" Items are used in Canada

Instruction Literature, order numbers

PowerCut® 1300.....	0558005965
Sales Literature, order number	PAC-21167



Optional Accessories

70 amp Spare Parts Kit 400V CE	0558007642
70 amp Spare Parts Kit	0558007641
Plasma Flow Measuring Kit	19765
Torch Guide Kit	
Basic.....	0558002675
Deluxe	0558003258
Remote Hand Switch.....	0558003612
Stand-off Guide	0558006614
40 amp Drag Nozzle.....	0558007682
Utility Cart.....	0558007898
Gouging Heat Shield	
Retaining Cup.....	0558006611
Shield.....	0558006601
Gouging Nozzle.....	0558007681
CNC Cable interface 50ft.....	0558004215
Plug N Play Mechanized kit.....	0558007885
Heavy Duty Water Separator	0558007897
PowerCut 1300 Extended Warranty.....	XWPC1300*

Optional Five-Year Warranty

This optional five-year warranty is now available for PowerCut® series machines. See your authorized ESAB Representative for additional details.

Standard Console with Mechanized Torch **

PowerCut® 1300 Mechanized Hand Switch, 25 ft w/ rack.....	0558008178
PowerCut® 1300 Mechanized Hand Switch, 50 ft w/ rack.....	0558008179

PowerCut 1300 Packages with CNC Interface *

PowerCut® 1300 Mechanized CNC, 25ft	0558008170
PowerCut® 1300 Mechanized CNC, 50ft	0558008171
PowerCut® 1300 Mechanized CNC, 25ft w/ rack	0558008172
PowerCut® 1300 Mechanized CNC, 50ft w/ rack	0558008173
PowerCut® 1300 Mechanized CNC, PT-38, 25 ft	0558008182
PowerCut® 1300 Mechanized CNC, PT-38, 50 ft	0558008183

* Package includes torch holder, spare parts kit and CNC interface cable.

** Package includes Remote hand Switch.