



POWERCUT® 1600 PLASMARC™ CUTTING PACKAGE

PowerCut® 1600 Plasmarc™ Cutting Package

PowerCut® 1600 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	1-1/2 in. (38 mm); severs 1-3/4 in. (44 mm)
Output:	40% duty cycle 90A (1 ph)
	60% duty cycle 90A (3 ph)
Input 1 phase 230 VAC, 50/60 Hz., 78 A
Input 3 phase 208/230 VAC, 50/60 Hz, 47/41 A
Input 3 phase 230/460 VAC, 50/60 Hz, 41/25 A
Input 3 phase 400 VAC, 50/60 Hz, 26 A
Input 3 phase 575 VAC, 50/60 Hz, 11 A
Air requirements400 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® 1600 uses the PT-38 torch. For breakdown of parts and cut-speed charts, refer to PT-38 data page 39.

PowerCut® 1600 also uses the new PT-37 mechanized torch, refer to PT-37 data page 37.

Ordering Information

PowerCut® 1600 208-230/460V, 25 ft. (7.6mm) PT-38.....	0558007231
PowerCut® 1600 208-230/460V, 50 ft. (15.2mm) PT-38.....	0558007232
PowerCut® 1600 208-230/460V, BL, 25 ft. (7.6mm) PT-38 ...	0558007231F
PowerCut® 1600 575V, BL, 25 ft. (7.6mm) PT-38.....	0558007238
PowerCut® 1600 575V, BL, 50 ft. (15.2mm) PT-38.....	0558007239
PowerCut® 1600 400V, 25 ft. (7.6mm) PT-38.....	0558007637
PowerCut® 1600 400V, CE, 25 ft. (7.6mm) PT-38.....	0558007235
PowerCut® 1600 400V, CE, 50 ft. (15.2mm) PT-38.....	0558007236

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

Instruction Literature, order numbers

PowerCut® 1600.....	055807164
Sales Literature, order number	PAC-21168



Optional Accessories

90 amp Spare Parts Kit 400V CE.....	0558007640
90 amp Spare Parts Kit	0558007639
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 1600 Extended Warranty.....	XWPC1600*

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® 1600 Mechanized Hand Switch, 25 ft w/ rack.....	0558008180
PowerCut® 1600 Mechanized Hand Switch, 50 ft w/ rack.....	0558008181

PowerCut 1600 Packages with CNC Interface *

PowerCut® 1600 Mechanized CNC, 25ft	0558008174
PowerCut® 1600 Mechanized CNC, 50ft	0558008175
PowerCut® 1600 Mechanized CNC, 25ft w/ rack	0558008176
PowerCut® 1600 Mechanized CNC, 50ft w/ rack	0558008177
PowerCut® 1600 Mechanized CNC, PT-38, 25 ft	0558008184
PowerCut® 1600 Mechanized CNC, PT-38, 50 ft.....	0558008185

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

** Package includes Remote hand Switch.