



POWERCUT® 1500 PLASMARC™ CUTTING PACKAGE

PowerCut® 1500 Plasmarc™ Cutting Package

The PowerCut® 1500 plasma cutting package combines the proven reliability of the PowerCut® 875 with the newly designed PT-32EH patented torch. The very strong composite case material makes the PowerCut® 1500 an excellent addition to any equipment rental fleet. The PT-32EH plasma cutting torch is designed to provide increased performance and longer consumable life resulting in higher production rates at lower costs.

- Multi input voltage (208) 230/460V, easily changed on back of machine. Other voltages also available
- Cuts 1-1/2 in. (38mm) manually, 3/4 in. (19mm) mechanized
- New, durable torch cable prevents snagging on fixtures and materials
- Designed for rugged treatment and outdoor use makes the PowerCut® an excellent choice for rental fleet and construction site uses
- More performance features than any machine in its class
- Delivers big machine cutting power in a rugged, lightweight package
- Pilot arc start facilitates starting on painted and coated metals
- Long-life consumables and repairable torch minimize operating costs
- Arrives ready to cut, with torch connected and front-end parts in place, for the ultimate in operator convenience
- Trigger lock-in for long-cut operator comfort
- Built in line conditioner—handles poor power lines
- Auto Drag feature allows torch to drag on workpiece without damage to the nozzle for easy template following
- For longer nozzle life while drag cutting, a 40 amp nozzle is available (P/N 0558002908)
- Self protectant against improper input voltage
- Multiple troubleshooting lights on front panel
- Superior gouging performance
- Three-year warranty on console
- One-year warranty on torch
- Optional Five-year warranty

Specifications

Cuts 1-1/2 in. (38mm); severs 1-3/4 in. (45mm)

1 ph. Input.....208/230 vac, 1 ph, 50/60 Hz, 82/74 A
 1 ph. Output..... 90 amps @ 40% duty cycle

3 ph. Input.....208/230 vac, 3 ph, 50/60 Hz, 44/40 A
230/460 vac, 3 ph, 50/60 Hz, 40/27 A
400 vac, 3ph, 50/60 Hz, 26 A
575 vac, 3ph, 50/60 Hz, 11 A

3 ph. Output..... 90 amps @ 60% duty cycle

Dimensions W = 12.5 in. (318mm)
 H = 16.5 in. (419mm)
 D = 32.5 in. (826mm)

Weight 94 lbs. (42.7kg)

Air Requirements 360 cfm @ 75 psig (170 l/min @ 5.2 bars)



The PowerCut® 1500 comes out of the box ready to go. The torch is attached with parts in place, primary cord is attached (including plug on 230 model), and the filter/regulator is installed. Just hook up the air, plug it in and cut.

Torches

PT-32EH Hand Torch

PowerCut® 1500 uses the PT-32EH torch. For breakdown of parts and cut-speed charts, refer to PT-32EH data page.

PowerCut® 1500 also uses the new PT-21AMX Machine Cutting torch, refer to PT-21AMX data page.

Ordering Information

PowerCut® 1500, 230/460 V, 25 ft. (7.6m) PT-32EH	0558001942
PowerCut® 1500, 230/460 V, 50 ft. (15.2m) PT-32EH	0558001943
PowerCut® 1500, 575 V, 25 ft. (7.6m) PT-32EH	0558001948
PowerCut® 1500, 575 V, 50 ft. (15.2m) PT- 32EH	0558001949
PowerCut® 1500, 400 V, "CE" 25 ft. (7.6m) PT-32EH	0558001945
PowerCut® 1500, 400 V, "CE" 50 ft. (15.2m) PT-32EH	0558001946
PowerCut® 1500, 460 V, 3 ph. 25 ft.	0558005902
PowerCut® 1500, 460 V, 3 ph. 50 ft.	0558005903
PowerCut® 1500, 230/460V, 25 ft. with Torch Wrap PT-32EH.....	0558003184

Note: "CE" Items are used outside North America

Instruction Literature, order numbers

PowerCut® 1500 208/230/460V	F-15-695
400V	0558003745 and 0558004091
Sales Literature, order number	PAC-21068



Optional Accessories

- 90 amp Spare Parts Kit0558003062
- 90 amp Spare Parts Kit 400V “CE”0558003557

Plasma Flow Measuring Kit

This valuable troubleshooting tool allows measurement of the actual plasma gas flow through the torch 19765

Torch Guide Kit

This complete kit, in a rugged plastic carrying case, includes attachments for circle and straight line cutting on ferrous and non-ferrous metals.

- Deluxe: 1-3/4 in. (44.5 mm) - 42 in. (106 cm) Radius 0558003258
- Basic: 1-3/4 in. (44.5 mm) - 28 in. (71 cm) Radius 0558002675

Remote Hand Switch0558003612

For use with PT-21AMX In-Line Machine Cutting Torch

Stand-off Guide

For proper stand-off distance when drag cutting0558002393

40 amp Drag Nozzle0558002908

Wheel Kit

For easy transport of system0558003060

Torch Wrap

This enables operator to store spare parts kit, wrap torch and work cable for easy transport and storage0558003059

Gouging Nozzle

For gouging with PT-32EH torch0558003089

Heat Shield Gouging

To be used with gouging nozzle and protect heat shield from spatter0558003090

Drag Heat Shield

Metal feet built into heat shield allows accurate standoff distance for drag cutting0558003374

Heavy Duty Drag Heat Shield

Suitable for piercing and heavy industrial use0558004206

CNC Interface Cable, 50 ft.0558004215

Optional Five-Year Warranty

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

PowerCut® 1500 Extended Warranty

Extended Warranty to 5 Years.....XWPC1500

Standard Console with Mechanized Torch

PowerCut® 1500, 230/460 V, 25 ft. (7.6m) PT-21AMX (w/rack) ..0558003621

PowerCut® 1500, 230/460 V, 50 ft. (15.2m) PT-21AMX (w/rack) 0558003622

Powercut 1500® Packages with CNC Interface*

PowerCut® 1500, 208/230/460 V, 25 ft. (7.6m) PT-21AMX (w/rack) ...0558004191

PowerCut® 1500, 208/230/460 V, 50 ft. (15.2m) PT-21AMX (w/rack)0558004192

PowerCut® 1500, 400V “CE” 25 ft. (7.6 m) PT-21AMX (w/rack).....0558004193

PowerCut® 1500, 400V “CE” 50 ft. (15.2 m) PT-21AMX (w/rack).....0558004194

PowerCut® 1500, 208/230/460 V, 25 ft. (7.6 m) PT-21AMX (no rack)...0558005490

PowerCut® 1500, 208/230/460 V, 50 ft. (15.2 m) PT-21AMX (no rack)....0558005491

PowerCut® 1500, 400V “CE” 25 ft. (7.6 m) PT-21AMX (no rack).....0558005492

PowerCut® 1500, 400V “CE” 50 ft. (15.2 m) PT-21AMX (no rack)0558005493

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

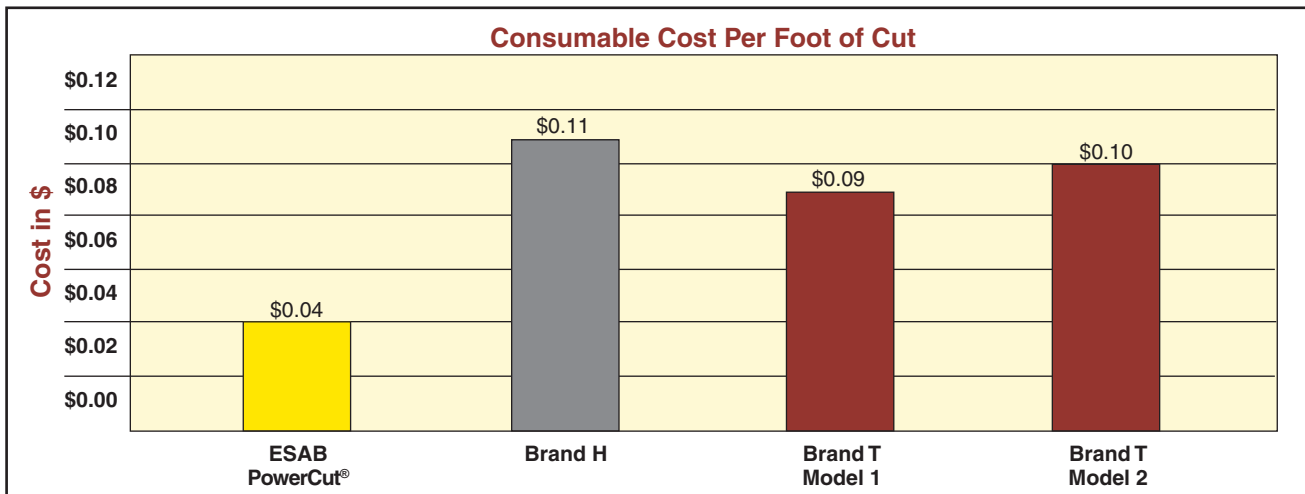
See PT-21 AMX page (2-46) for torch details.

**Package includes Remote Hand Switch

Cut Costs and Cut Better

Tests Show ESAB's Top-Performing PowerCut® Plasma Cutters Drastically Reduce Operating Costs

While there are several factors that influence operating costs in plasma cutting, most people agree that replacement costs for torch wear parts play a major role. ESAB put operation costs to the test using the PowerCut® 1250, the newest machine in this outstanding line of plasma cutters. See why – as shown in the chart below – ESAB's PowerCut®-1250 Plasmarc™ machine had less than half the consumable costs per foot cut than even its closest competition.



Machines tested had equivalent cutting capacities. Tests were performed on 1/2 inch carbon steel. Costs were based on list prices as of 11/1/2002.

Half the Story

Often, ESAB competitors only give you half the story, focusing on nozzle and electrode life. Sure, replacing these front-end wear parts contributes significantly to your operating costs. But other wear parts – such as heat shields, swirl rings and retaining caps – also have to be replaced on a regular basis. Their cost and lifespan are also important factors in the overall expense for operating your plasma cutter.

Altogether, Lowers Costs

With more than 40 years experience producing manual plasma cutting systems, ESAB is unsurpassed when it comes to reducing operation costs. In addition to attractive pricing, plus nozzles and electrodes designed for longer life, ESAB offers simplified torch design that significantly reduces wear on other parts as well as the quantity of other parts that need replacing.

Altogether Better

Superior economy of operation is just one reason to choose an ESAB Plasmarc cutter. Superior durability, reliability and performance also make ESAB's complete line of PowerCut® machines the best choice for all your manual plasma cutting needs.