

Pro-Cut[®] 55

The Pro-Cut 55 is your top choice for industrial plasma cutting for HVAC, sheet metal and light plate fabrication metalworking applications. Packed with patented features, the compact Pro-Cut generates 60 amps of cutting power capable of cutting conductive materials up to 3/4" (19.0 mm) thick. Its dual winding technology delivers easy starts, lower dross levels and quick arc transfer rates for fast re-strikes, even on expanded metal. Long-lasting Vortech™ technology torch concentrates the arc to deliver outstanding cutting efficiency. Patented Parts-in-Place safety indicator and lockout circuit protects both the operator and the system.



Processes

Air Plasma Cutting Gouging

Advantage Lincoln

- 60 amps of power for world class performance up to 3/4" (19.0 mm) in only a 55 lb. (25 kg) package.
- Patented PCT 80 torch and VORTECH™ technology consumables for excellent cutting speed and performance.
- Dual winding technology for fast arc transfers, and improved cut quality.
- Can be powered by most Lincoln engine driven welders for ultimate portability.
- Back-lit LED system for status indicators eliminates guesswork yet conveys all the information necessary to monitor the power source readiness.
- Parts-in-Place safety indicator and lockout circuit to safely protect both the operator and the system.
- Quick disconnect torch for fast and easy torch removal.
- "Valet Style" undercarriage available for easy transport around the shop or site.
- Three-year warranty on parts and labor (1 year warranty on plasma torch).

Description

Output **CC** **DC** Input **1** **3** **50/60**
PHASE PHASE Hz

Base Unit Includes

- PCT 80 Torch
- Work lead and clamp
- Spare consumables
- Built-in air filter and adjustable pressure regulator with gauge

Recommended General Options

Valet Style Undercarriage, Combination Circle Cutting Kit, Suction Pivot, Replacement Bushing, Torches

Order

K1580-1	Pro-Cut 55, 25 ft. (7.6m) torch	208/230/460/1/3/50/60
K1580-2	Pro-Cut 55, 50 ft. (15.2m) torch	208/230/460/1/3/50/60
K1580-3	Pro-Cut 55, 25 ft. (7.6m) torch	460/575/3/50/60
K1580-4	Pro-Cut 55, 50 ft. (15.2m) torch	460/575/3/50/60
K1601-1	Pro-Cut 55, 25 ft. (7.6m) torch	200/380-415/3/50/60
K1601-2	Pro-Cut 55, 50 ft. (15.2m) torch	200/380-415/3/50/60

TECHNICAL SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current Duty Cycle	Input Current @ Rated Output	Pilot Current	Output Range	Air Pressure Required	Air Flow Rate	Dimensions H x W x D in. (mm)	Net Weight without Torch lbs (kg)
Pro-Cut 55	K1580-1	208/230/460/1/3/50/60	55A/50%	1-ph, 50%: 60/55/30A	18A	25-60A	70 PSI	360 SCFH	12.6 x 11 x 26 (320 x 279 x 660)	55 (25)
	K1580-2		40A/100%	1-ph, 100%: 44/40/23A						
	K1580-3	460/575/3/50/60	55A/50%	3-ph, 50%: 31/28/17A						
	K1580-4		40A/100%	3-ph, 100%: 23/21/15A						
	K1601-1	200/380-415/3/50/60	55A/50%	30/17-16A						
	K1601-2		40A/100%	21/12-11A						

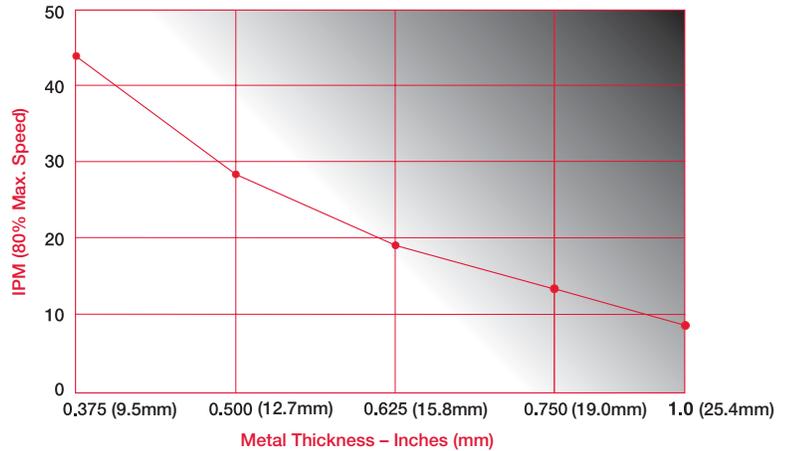
A CLOSER LOOK

PERFORMANCE

CUTTING CAPACITY – MILD STEEL

Production Capacity	Recommended Capacity	Maximum Capacity
1/2 in. (12.7mm) @ 28 ipm (.71 m/min.)	3/4 in. (19.0mm) @ 13 ipm (.33 m/min.)	1 in. (25.4mm) @ 8 ipm (.20 m/min.)

CUT CAPACITY DATA – MILD STEEL

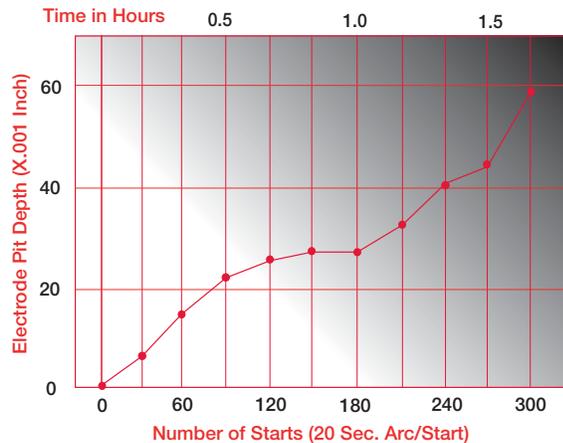


EXPENDABLE PARTS

Ordering Information	Description
KP2063-1B1	Electrode
KP2062-2B1	VORTECH™ Nozzle (.043)
KP2062-4B1	VORTECH Nozzle (.068) Gouging
KP2064-1	Shield Cup
KP2065-1	Drag Cup

ELECTRODE LIFE TEST DATA

Electrode erosion of .060" is typically end of electrode life.



FEATURES

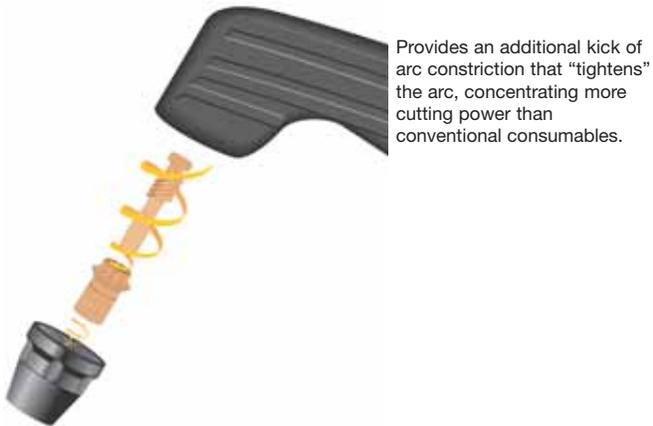
- One control dial with current indicator for easy operation and setup.
- Adjustable air pressure regulator, air filter and pressure gauge are standard.

QUALITY AND RELIABILITY

- Parts-in-Place safety indicator and lockout circuit to protect both the operator and the system.
- Thermostatically protected against overheating.
- Line voltage compensation.
- Manufactured under a quality system certified to ISO 9001 requirements and ISO 14001 environmental standards.
- Three-year warranty on parts and labor (1 year warranty on plasma torch).

RECOMMENDED OPTIONS

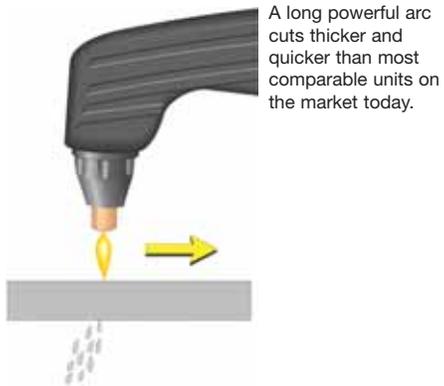
VORTECH® Technology consumables produce a tighter plasma arc by concentrating the swirl.



Provides an additional kick of arc constriction that “tightens” the arc, concentrating more cutting power than conventional consumables.



Extra swirl built into the bottom of the nozzle.



A long powerful arc cuts thicker and quicker than most comparable units on the market today.



Patented torch technology with air controls in the torch handle allows for faster arc ignition.



Winners Don't Compromise!

Get fast, clean cuts on up to 1 inch thick material with the Pro-Cut 55.

RECOMMENDED OPTIONS

GENERAL OPTIONS



Valet Style Undercarriage
Valet style undercarriage with pull-out handle. Provides torch cable storage (up to 50 ft. lengths), work cable storage, and input cord wrap for the ultimate in portability. With the undercarriage installed, the unit may be operated in a vertical position.
Order K1838-1



Combination Circle Cutting Kit
For cutting circles from 2" to 40" (50.8 to 1016 mm) in diameter. Works with all PCT 20 and PCT 80 hand torches.
Order K1625-1



GENERAL OPTIONS, CONT.

Suction Pivot
For use with non-magnetic metals.
Order K1628-1



Replacement Bushing
Replacement bushing for Circle Cutting Kit.
Order K1626-1



Hand Torches
25 ft. (7.6m), **Order K1571-1**
50 ft. (15.2m), **Order K1571-2**

PRO-CUT 55 ORDER FORM

PRODUCT DESCRIPTION	ORDER NUMBER	QUANTITY	PRICE
PRO-CUT 55, 25 ft. (7.6m) torch, 208/230/460/1/3/50/60	K1580-1		
PRO-CUT 55, 50 ft. (15.2m) torch, 208/230/460/1/3/50/60	K1580-2		
PRO-CUT 55, 25 ft. (7.6m) torch, 460/575/3/50/60	K1580-3		
PRO-CUT 55, 50 ft. (15.2m) torch, 460/575/3/50/60	K1580-4		
PRO-CUT 55, 25 ft. (7.6m) torch, 200/380-415/3/50/60	K1601-1		
PRO-CUT 55, 50 ft. (15.2m) torch, 200/380-415/3/50/60	K1601-2		
RECOMMENDED GENERAL OPTIONS			
Valet Style Undercarriage	K1838-1		
Combination Circle Cutting Kit	K1625-1		
Suction Pivot	K1628-1		
Replacement Bushing	K1626-1		
Hand Torch, 25 ft. (7.6m)	K1571-1		
Hand Torch, 50 ft. (15.2m)	K1571-2		
	TOTAL:		

CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric is not in a position to warrant or guarantee such advice, and assumes no liability, with respect to such information or advice. We expressly disclaim any warranty of any kind, including any warranty of fitness for any customer's particular purpose, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given, nor does the provision of information or advice create, expand or alter any warranty with respect to the sale of our products.

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