

# FLEXCUT<sup>®</sup> 80

## Air Plasma Cutting System

### Best Cut Performance

- Heavy-Duty, 80 Amps, 80% Duty Cycle
- Mechanized piercing up to 3/4 in. (19mm)
- Better edge quality
- Cut, gouge and grid-cut capabilities

### Easy to Set, Easy to Use

- Simple controls make set up easy
- Reliable arc starting without high frequency
- PowerConnect<sup>®</sup> Technology simplifies set-up

### Low Operating Costs

- Up to three times longer consumable life
- Maintains faster cut speeds
- Virtually dross-free cuts reduce part clean-up



K4809-1 FlexCut 80 Base Model (w/o Torch)

BK12849-25 LC100M Machine Plasma Torch (Torch Sold Separately)

### Processes

Plasma Cutting, Gouging

### Cutting Type

Mechanized Cutting, Hand Cutting

### Output



### Input



### Applications

- Steel Fabrication
- Pipe Cutting
- Structural Steel Fabrication
- Automotive/Transportation
- Construction
- Shipbuilding
- Steel Service Center
- Artwork and Signs
- HVAC

### Key Accessories

- LC100M Machine Plasma Torch, No Rack 25 ft. (7.6 m) (BK12849-25)
- LC100M Machine Plasma Torch, No Rack 50 ft. (15.2 m) (BK12849-50)
- LC105 Hand Plasma Torch 25 ft. (7.6 m) (K2849-1)
- LC105 Hand Plasma Torch 50 ft. (15.2 m) (K2849-2)
- CNC Interface Cable 25ft. (7.6m) (K4400-25)
- CNC Interface Cable 50ft. (15.2m) (K4400-50)
- LC100M Consumable Starter Kit (BK12849-SK)

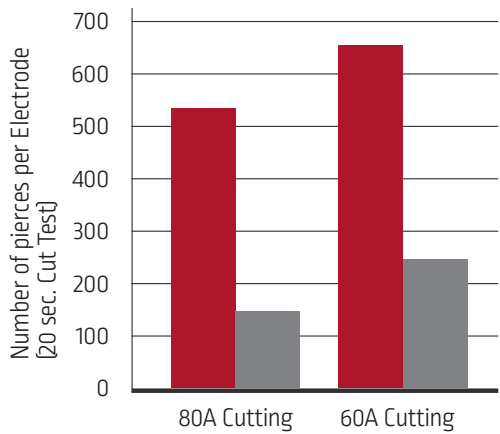
### Product Highlights

- PowerConnect<sup>®</sup> Technology for automatic voltage sensing
- Touch Start<sup>™</sup> System - reliable arc initiation
- Rapid arc restrike

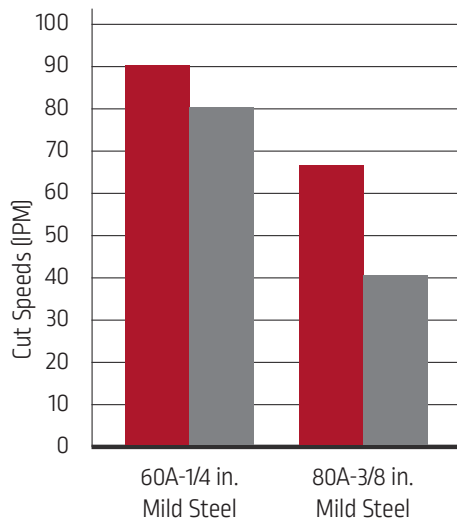
## FlexCut® 80 - SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/ Hertz	Rated Output: Current/ Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Gas Pressure Required	Gas Flow Rate	H x W x D in (mm)	Net Wt. lb (kg)
FlexCut 80 Base Model (w/o Torch)	K4809-1	200-208/230/380/460/575/3/50/60	60A/140V/100%	3PH/100% 31/28/16/14/12	3PH 25-80A	87 to 109 PSI (6.0-7.5 Bar)	380 SCFH @ 80 PSI  180 SLPM @ 5.5 Bar	179 x 11.8 x 25.4 (455 x 301 x 645)	96 (44)
			80A/140V/80%	3PH/80% 41/37/21/18/14					
		230/1/50/60	60A/140V/100% 80A/140V/80%	1PH/100% 48 1PH/80% 62	1PH 25-80A				
		200-208/1/50/60	60A/140V/100% 80A/140V/60%	1PH/100% 52 1PH/60% 71	25-80A				

**ELECTRODE LIFE COMPARISON\***



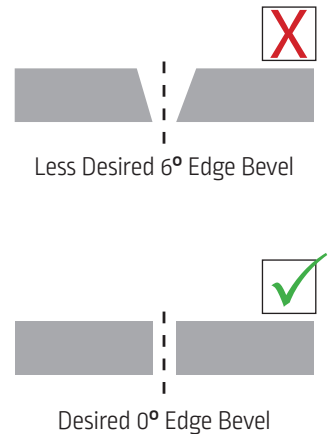
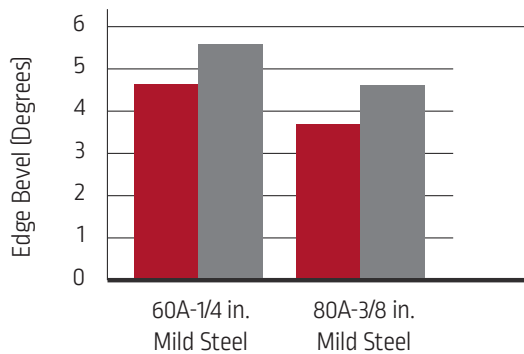
**CUT SPEED COMPARISON\***



■ Lincoln Electric FlexCut 80  
 \*Claim based upon tests conducted by Lincoln Electric in 2015 using an LC105M Torch  
■ Competitor

- **Faster Cut Speeds**
- **Less Edge Bevel**
- **Better Cut Quality and Performance**

**CUT QUALITY COMPARISON\***



### CUSTOMER ASSISTANCE POLICY

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