## POWER MIG® 180C



**Processes** MIG, Flux-Cored

**Product Number** K2473-2

See back for complete specs

**Input Power** 208/230/1/60

**Input Current at Rated Output** 20A

Rated Output Current/Voltage/Duty Cycle

208V: 130A/17V/30% 230V: 130A/20V/30% **Output Range** 

30-180 Amps DC, Max. OCV: 34

**Wire Feed Speed Range** 

50-500 ipm (1.3-12.7 m/min)

Weight/Dimensions (H x W x D)

66 lbs. (30 kg)

14 x 10.15 x 18.6 in. (357 x 258 x 472 mm)

## **POWER MIG**<sup>®</sup>.

## The Professional's Choice.

Whether you're a farmer or a fabricator, an autobody shop or a backyard mechanic, the POWER MIG® 180C will help you get the job done! It's a portable wire welder designed for use with industrial 230 volt input power, so you can weld on thicker material - up to 3/16 in. with MIG welding and 1/2 in. with gas-less flux-cored welding.

## **FEATURES**

- **Diamond Core Technology**™ Delivers a forgiving arc, excellent out-of-position arc action, low spatter and a wide voltage sweet spot at a given wire feed speed for steel, stainless steel or aluminum.
- ▶ Industrial Cast Aluminum Drive Dual gear-driven drive rolls deliver positive traction. Patented split wire guides ensure optimal wire alignment and a brassto-brass oun connection aids critical conductivity. A large industrial closeddesign drive motor improves torque and enhances trouble-free performance.
- ▶ No Hassle Tool-less Design For input power changes, wire spool mounting, wire drive service and polarity changes.
- ▶ **Spool Gun Ready** Just remove the standard MIG gun and plug in the economical Magnum® 100SG spool gun (optional) for enhanced aluminum wire feeding performance.
- ► Toughest PC Board Protection in the **Industry** – 'Potted' to seal sensitive components from the environment, 'trayed' in a tough plastic tray to add rigidity and shock resistance.

## **APPLICATIONS**

- Metal Fabrication
- Maintenance and Repair
- Autobody/Farm
- Light Industrial



#### WHAT'S INCLUDED

#### K2473-2 Includes:

- Magnum® PRO 100L gun, 10 ft. (3.0 m)
- Gas and Gasless Nozzles
- Cable Liner
- .025 in. (0.6 mm) and .035 in. (0.9 mm) **Contact Tips**
- Work Cable and Clamp
- Adjustable Gas Regulator and Hose
- Spindle Adapter
- Sample Spool of .025 in. (0.6 mm) SuperArc® L-56 Mild Steel MIG Wire
- Sample Spool of .035 in. (0.9 mm) Innershield® NR-211-MP Flux-Cored Wire
- Learn-To-Use DVD
- .035 in. (0.9 mm) and .025 .030 in. (0.6 - 0.7 mm) Drive Rolls
- .030 .045 in. (0.7 1.1 mm) Knurled Drive Roll
- .025 .035 in. (0.6 0.9 mm) and .035 - .045 in. (0.9 - 1.1 mm) Wire Guides

#### INPUT







OUTPUT







Two Year Extended Warranty Available in the U.S.A. and Canada



#### **POWER MIG® 180C Welding Capabilities**

Process	Wire Dia. (in.)	24ga. 22ga.	20ga.	18ga.	16ga.	14ga.	12ga	10ga.	3/16"	1/4"	5/16"	3/8"	1/2"
Flux-Cored Welding – Steel	.030		INNE	RSHIELD	D® NR-2	211-MP			SP			MP	
	.035		INNE	RSHIELD	D <sup>®</sup> NR-	211-MP			SP			MP	
	.045		INNE	RSHIELD	O® NR-	212			SP				MP
MIG Welding – Steel	.025	SUPERARC* I		RARC® L-	·56			SP SP					
	.035					SUPE	RARC®	L-56	SP				
MIG Welding – Aluminum	.035	SUPE	RGLAZE	E* 4043					SP			SP = Sin MP = Mt	gle Pass ıltiple Pass
													L12603-5



KP2529-2 Shown

DRIVE ROLL AND WIRE GUIDES							
Product Number	Wire Diameter in. (mm)	Type/Process					
<b>Drive Rolls</b> KP2529-1 KP2529-2 KP2529-3	.025030 (0.6 - 0.8) .035 (0.9) .030045 (0.8 - 1.1)	Smooth/MIG Smooth/MIG Knurled/Flux-Cored					
Inner Wire Guides KP2531-1 KP2531-2	.025035 (0.6 - 0.9) .045 (1.1)	All All					

## RECOMMENDED ACCESSORIES

#### GENERAL OPTIONS

# Welding Cart Full-featured o store and trans cubic foot gas

Full-featured cart is designed to store and transport a welder, 80 cubic foot gas cylinder, welding cables and accessories. Includes an angled top shelf for easy access to welder controls, a lower tray for added storage space, a sturdy handle and a convenient cable wrap hanger.

Order K2275-1

**Utility Cart** 

height handle. Order K520

Heavy duty cart stores and

transports welder, 150 cubic foot

shielding gas cylinder, welding

cables and accessories. Includes

storage capacity and adjustable

stable platforms for welder and gas

bottle platform, lower tray for added



## **Small Canvas Cover**

Protect your welder when not in use. Made from attractive red canvas that is flame retardant, mildew resistant and water repellent. Includes a convenient side pocket to hold your welding torch or gun.

Order K2377-1



#### **Spot Timer Kit**

This timer allows you to set a fixed weld time of up to 10 seconds that is initiated when you pull the gun trigger. Ideal for making consistent spot welds on thin sheet metal.

Order K2525-1



## **Accessory Bag**

Canvas bag can be used to store your welding accessories and tools. Order K3071-1



#### **WIRE FEEDER OPTIONS**

Magnum® 100SG Spool Gun
Designed to easily feed 4 in.
(102 mm) diameter 1 lb.
(0.45 kg) spools of .030 in.
(0.8 mm) or .035 in. (0.9 mm)
diameter SuperGlaze® aluminum
MIG wire. Includes gun, adapter kit,
.035 in. (0.9 mm) contact tips (qty.
3), gas nozzle, and a 1 lb. (0.45 kg)
spool of SuperGlaze® 4043 .035 in.
(0.9 mm) MIG wire. Packaged in a
convenient carrying case.

Order K2532-1



## Welding Fume Extractors

Lincoln offers a wide variety of welding fume extraction environmental system solutions, ranging from portable systems easily wheeled around the shop to shop-wide central systems servicing many dedicated welding stations.

Request Publication E13.40



## PRODUCT SPECIFICATIONS

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Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D inches (mm)	Net Weight Ibs. (kg)			
POWER MIG° 180C	K2473-2	208/230/1/60	130A/17V/30% 130A/20V/30%	20A	30-180 Amps DC 50-500 ipm WFS (1.3-12.7 m/min) Max OCV: 34	14 x 10.15 x 18.6 (357 x 258 x 472)	66 (30)			

For best welding results with Lincoln Electric equipment, always use Lincoln Electric consumables. Visit www.lincolnelectric.com for more details.

#### 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 information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice does not create, expand, or after any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose is specifically disclaimed.

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