POWER MIG® 220 AC/DC

MULTI-PROCESS WELDER

LINCOLN ELECTRIC

Built to Outperform

The POWER MIG 220 AC/DC is the ultimate all-in-one welder—engineered for unmatched versatility and built to outperform in every application. Whether you're tackling MIG, TIG, Stick, or Flux-Cored applications, this machine delivers cutting-edge performance with intuitive control and rugged reliability.

Built for high-performance welding, the POWER MIG 220 AC/DC delivers high-frequency TIG starts for smooth arc initiation, exceptional 6010 stick welding with anti-stick technology, and advanced MIG features like adjustable crater time and burn back settings for cleaner finishes. The dual gas inlets allow for quickly switching between MIG & TIG welding, making it perfect for everything from light fabrication to heavy-duty maintenance work.

With it's easy-to-use digital interface and cutting-edge capabilities, the POWER MIG 220 AC/DC is everything you need in a welder.

Built to Handle It All—And Then Some

The POWER MIG 220 AC/DC incorporates cutting-edge technology to deliver exceptional welding performance. Whether you're MIG or TIG welding aluminum, or need precise consistent TIG performance for high-frequency TIG applications, this machine is up to the task. It's an ideal solution for everything from light fabrication projects to demanding repair and maintenance jobs.

Designed with a Purpose

The POWER MIG 220 AC/DC is designed for effortless control, starting with an easy-to-navigate, full-color 7" digital display. Dual voltage input, dual gas inlets, and the rugged design ensure the machine adapts to your environment.

Operator-Focused Features

Whether you're in the shop or out in the field, this machine delivers innovative technology and advanced features that let you weld with ease. The POWER MIG 220 AC/DC is equipped with ArcFX® Technology, for greater control and precision, and Ready.Set.Weld® Technology streamlining the setup process.

Trusted Expertise & Support

Purchase with the peace-of-mind that your machine is backed by over a century of trusted engineering and welding expertise, with a worldwide network of distribution partners and service centers that are here to help.

Processes »
MIG, Flux-Cored, DC Stick, AC/DC TIG

Applications »
Metal Fabrication, Maintenance & Repair, Autobody/Farm, Light Industrial

Output »
AC DC CC CV

Input »
120V 240V

Product Number »
K5379-1

Built to Handle it All – And then Some

Superior MIG Results

- Excellent arc stability with minimal spatter
- Consistent wire feeding at low & high wire feed speeds
- Adjustable crater time and burn back settings for better results and reduced wire sticking

Optimal TIG Performance

- High frequency TIG starting
- Pulsed DC TIG for thinner materials to reduce burn through
- AC TIG capabilities with advanced features including AC frequency and AC balance
- Pre/Post Flow Control – Customize shielding gas flow for optimal weld protection and gas efficiency.

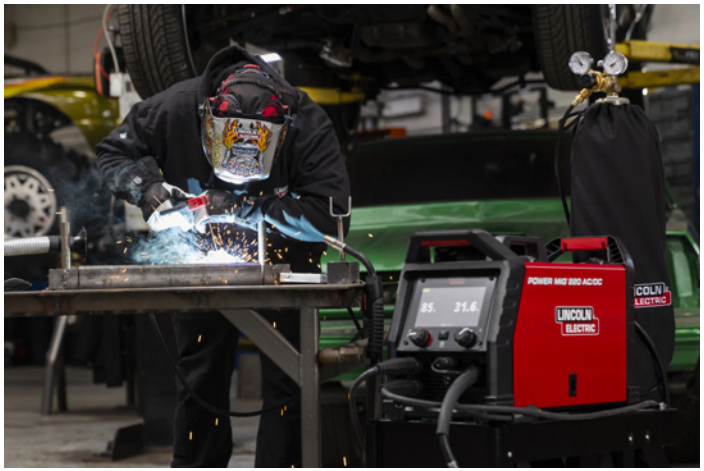
Versatile Stick Capabilities

- Excellent E6010 and E7018 performance for a wide range of applications
- Anti sticking feature - senses when the electrode is stuck to the plate and reduces output

Aluminum Welding? No Problem

- Achieve superior weld quality on 4XXX and 5XXX series aluminum with the flexibility to run aluminum TIG using the included Caliber® 17 TIG torch, or aluminum MIG with an optional spool gun (sold separately)

- Precise AC/DC TIG capabilities allow advanced control over heat input and cleaning action—ideal for producing clean, high-quality welds on aluminum



Designed with a Purpose

Simplified Digital Display

The POWER MIG 220 AC/DC was designed to keep you focused on the weld, not the setup, with features including:

- 7 inch Full Color LCD Display
- Anti-glare and large, easy-to-read text
- Straightforward navigation allows welders to quickly find and make parameter changes
- Multilingual display settings - including English, Spanish, and French

Designed for Effortless Control

Engineered for flexibility, the POWER MIG 220 AC/DC easily adapts to your environment.

- Dual Voltage - 120V and 240V inputs so you can plug into any common power supply
- Dual Gas Inlets – seamlessly switch between MIG & TIG welding
- Ergonomic Handles – to help you move the machine from project to project

Operator-Focused Features

Innovative Technology. Smarter Welding:

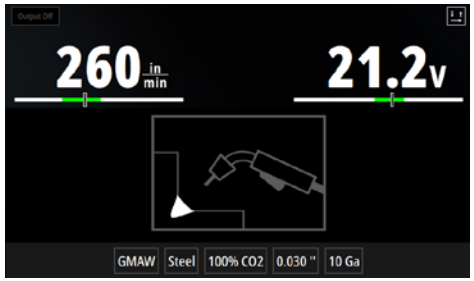
Take the guesswork out of welding with technology designed to give you more control, faster setup, and consistent results.

- **Ready.Set.Weld® Technology** – Simplifies setup by recommending optimal welding parameters by selecting weld mode, material, thickness, gas, and electrode diameter, to get you up and running faster
- **ArcFX® Technology** - Provides instant visual feedback on how settings affect the weld outcome.
- **Memory Capabilities** - Easily save & recall 10 customizable memory settings per process, for fast, repeatable results every time

Main Screen

Memory Settings

DC TIG Pulse Settings



ArcFX® Technology

Trusted Expertise & Support

Welding Experts

High-quality products and great customer service are important aspects of the Lincoln Electric story, but it's our unmatched welding expertise, from the fabrication line to the garage, that truly sets us apart. If there's a better way for you to weld, we'll help you find it.

Global Support

With a worldwide network of distributor and sales offices reaching over 160 countries, as well as 36 global technical application facilities, Lincoln Electric can provide trusted global support you can count on.

Trusted Protection

Purchase with peace-of-mind. The POWER MIG 220 AC/DC comes backed with a hassle-free, 3-year warranty on parts & labor.

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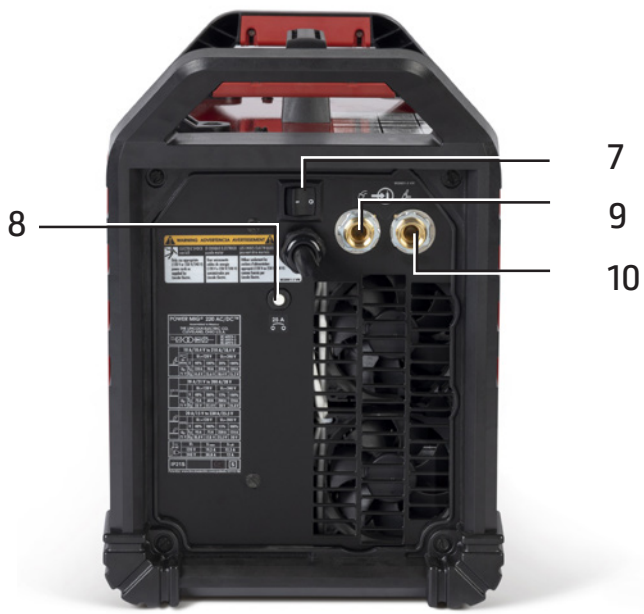

Controls »

1. Ergonomic Front, Rear, & Middle Handles
2. User Interface
3. Twist Mate™ Receptacles
4. 4-Pin MIG Connector
5. Angled Gun Connection for Improved Feedability
6. 6-Pin TIG Connector

7. On/Off Switch
8. Thermal Breaker
9. MIG Gas Inlet
10. TIG Gas Inlet

LINCOLN ELECTRIC
45 A
16.3 V
Press right knob to adjust arc controls.
GTAW HF AC No Pulse Steel 3/32" 100% Ar 16 Ga
MENU
POWER MIG 220 AC/DC
LINCOLN ELECTRIC

WHAT'S INCLUDED

INCLUDED ACCESSORIES	Product Number	Base Unit (K5379-1)
Magnum® PRO 175L MIG Gun 10 ft (3.0 m)	K4529-1	●
Gasless Nozzle	KP3084-1	●
0.025 in (0.6 mm) Tapered Contact Tip	KP2744-025T	●
0.030 in (0.8 mm) Tapered Contact Tip	KP2744-030T	●
0.035 in (0.9 mm) Tapered Contact Tip	KP2744-035T	●
0.025 - 0.030 in (0.6 - 0.8 mm) Smooth Drive Roll (Installed)	KP2529-1	●
0.035 in (0.9 mm) Smooth Drive Roll	KP2529-2	●
0.030 - 0.045 in (0.8 - 1.1 mm) Knurled Drive Roll	KP2529-3	●
0.025 - 0.035 in (0.6 - 0.9 mm) Wire Guide (Installed)	KP2531-1	●
0.045 in (1.1 mm) Wire Guide	KP2531-2	●
Sample 2 lb (0.91 kg) 0.030 in (0.8 mm) Spool of SuperArc® L-56® MIG Wire	ED030631	●
Caliber® 17 Series 150 Amp Air-cooled TIG Torch 12.5 ft (3.8 m)	K5339-17F-1	●
Caliber® 17/18/26 Series Medium Duty TIG Torch Parts Kit	KP4760-MD	●
Foot Amptrol™ 25 ft (7.6 m)	K870	●
Stick Electrode Holder and Lead Assembly 10 ft (3.0 m)		●
Work Cable and Clamp Assembly 10 ft (3.0 m)		●
240V to 120V Power Cord Adapter 20 in (0.5 m)		●
Adjustable Gas Regulators and Hoses		●
OPTIONAL ACCESSORIES		
Welding Cart (150 cu ft Bottle Capacity)	K520-1	●
Replacement Screen Shield	KP4140-1	●
Welding Fume Extractors	See Publication MC08-70	●
Magnum PRO 100SG Spool Gun	K3269-1	●
Magnum Pro 150SG Spool Gun	K5471-1	●

● Included ● Optional

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed Range	Dimensions H x W x D in (mm)	Net Weight lb (kg)
POWER MIG 220 AC/DC	K5379-1	120/1/60	TIG: 125A/15.0V/40% TIG: 90A/13.6V/100% Stick: 85A/23.4V/40% Stick: 60A/22.4V/100% MIG: 95A/18.8V/40% MIG: 75A/17.8V/100%	Effective: 14.2A Max: 21.4A	TIG: 20 - 140A Stick: 30 - 90A MIG: 20 - 125A	79-512 ipm (2.0 - 13.0 m/min)	15 x 11 x 24 (381 x 279.4 x 609.6)	51 (23.1)
		240/1/60	TIG: 210A/18.4V/20% TIG: 130A/15.2V/100% Stick: 200A/28.0V/15% Stick: 120A/24.8V/100% MIG: 230A/25.5V/15% MIG: 120A/20.0V/100%	Effective: 14.3A Max: 32.5A	TIG: 20 - 210A Stick: 30 - 200A MIG: 20 - 230A			

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications 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, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change — This information is accurate to the best of our knowledge at the time of printing. Please refer to www.lincolnelectric.com for any updated information.

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