

By Lincoln Electric®

PowerCRAFT™ 180i MIG Inverter

ADVANTAGE

- ▶ **Multi-process Inverter MIG, TIG and Stick Welder**
- ▶ **Small and light weight yet powerful**
- ▶ **Unique features**
Different outputs, performance and features, fit any customer requirements.
- ▶ **Built-in VRD**
Increases operator safety in environments with increased hazard of electric shock.
- ▶ **Generator Compatible***
Ideal for site use
- ▶ **Intelligent protection**
Over-voltage, low voltage and over-current.
- ▶ **Lift TIG**
For arc starting without tungsten contamination
- ▶ **Auto Arc Force**
For a stable arc with low spatter levels as standard
- ▶ **Synergic MIG**
Easy to use, ideal for less experienced welders.
- ▶ **Meets IEC 60974-1**
International Standards for welding machines
- ▶ **Thermally protected**
For longer life
- ▶ **IGBT technology**
For high reliability
- ▶ **Ready to weld with accessories**
Accessories/ power cord included



3- in-1 Stick- TIG- MIG

The PowerCRAFT™ 180i inverter 3 in 1 Stick, TIG, MIG machine is intended to be used for light to medium duty welding applications. The ideal choice for contractors, maintenance/repair, rural and serious DIY. The PowerCRAFT™ 180i is designed to be used with Mild steel gas shielded MIG, Innershield® gasless FCAW, mild steel, low hydrogen, stainless steel electrodes, and DC TIG (with optional TIG torch).

The PowerCRAFT™ 180i is easy to use. Simply select synergic function which allows the output to be tuned in with one knob or manual allowing individual voltage and wire feed speed settings to be dialled in for the more experienced welder. Includes many features normally found on larger industrial welders such as; digital volt/amp meter, gas purge, cold wire feed, external polarity selection, 4T/2T trigger latching, adjustable inductance/arc force and VRD.

The PowerCRAFT™ 180i is compact and lightweight and is supplied with all the accessories so it is ready to weld out of the box.

UNIT INCLUDES

- ▶ **MB 15 MIG Torch 3m**
- ▶ **3 metre ground cable with work clamp**
- ▶ **3 metre welding cable with electrode holder**
- ▶ **Drive Rolls**
 - 0.6 / 0.8mm Solid
 - 0.9 / 1.2mm Cored
- ▶ **Flowmeter**
- ▶ **3 metre input cable with 240V, 15A Plug**

APPLICATIONS

- ▶ **General fabrication**
- ▶ **Maintenance/ repair**
- ▶ **Rural**
- ▶ **Home handy man**

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TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class	Compliance
PowerCRAFT 180i	K69020-1	240 V/1/50-60Hz (± 10%)	15	15.5	440 x 320 x 550	IP21S/H	AS60974.1 IEC 60974-1 ROHS CE

WELDING OUTPUT

Mode	Current range	Rated output (40°C)
Stick	20-140A	140A, 25.6V @ 20%
TIG	20-180A	180A, 17.2V @ 20%
MIG	20-180A	180A, 23V @ 20%

* GENERATOR REQUIREMENTS

Output	Output range	Peak Max	Frequency
>7kVA	180-260 Volts	367 Volts	50-60Hz

ACCESSORIES

Item number	Description
PC9FV-4I	Powercraft™ PC9FV 4m, TIG Torch (suits Powercraft™ 130)
K520	Undercarriage
EDO16354	Innershield® NR211MP 0.9mm, 4.5Kg spool
KC2111205MP	Innershield® NR211MP 1.2mm, 5Kg spool
AUM0905S6	UltraMag™ S6 0.9mm, 5Kg spool



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.

Lincoln Electric is a responsive manufacturer, but 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.

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