

By Lincoln Electric®

# POWERCRAFT® Inverter

## 131 – 161 – 181



## ADVANTAGE

- ▶ **Small and light weight yet powerful**

4.7 kg - POWERCRAFT 131  
6.8 kg - POWERCRAFT 161  
6.8 kg - POWERCRAFT 181

- ▶ **Three unique units**

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

- ▶ **Built in "hot Start"**

For excellent arc striking,

- ▶ **Anti- Sticking**

# Built for the job

The POWERCRAFT® 131, 161 and 181 inverter machines are intended to be used for light to medium duty welding application. They are an ideal choice for maintenance, small repairs & general fabrication. The POWERCRAFT® machines are designed to be used with 6011, 6013 & 7018 type electrodes up to 4.0mm in diameter.

The POWERCRAFT® inverter machines are very compact, lightweight and come with a shoulder strap for ease of transportation. Accessories are included, so the machines are ready to weld out of the box.

### ADVANTAGES CONTINUED...

- ▶ **Meets IEC 60974-1**  
International Standards for welding machines
- ▶ **Thermally protected**  
For longer life
- ▶ **IGBT technology**  
For high reliability
- ▶ **Easy to set Output Control**  
Calibrated dials
- ▶ **Ready to weld with accessories**  
Accessories/ power cord included
- ▶ **PowerCRAFT® 131**  
True 10amp rated input

### APPLICATIONS

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

### UNIT INCLUDES

- ▶ **3 metre input cable with integrated plug**
- ▶ **3 metre ground cable with work clamp**
- ▶ **3 metre welding cable with electrode holder**


### TECHNICAL SPECIFICATIONS

Product	Item Number	Primary Voltage	Fuse Size	Weight (kg)	Dimensions HxWxD (mm)	Protection/Insulation Class	Compliance
131	K69041-1	240 V/1/50-60Hz (± 10%)	10	4.7	190 x 110 x 330	IP21S/H	AS60974.1 IEC 60974-1 ROHS CE
161	K69042-1		15	6.8	230 x 140 x 360		
181	K69043-1			6.8			

### WELDING OUTPUT

Product	Current range	Rated output (40°C)
131	20-130A	130A @ 15%, 65A @ 60%
161	20-160A	160A @ 21%, 100A @ 60%
181	20-180A	180A @ 16.5%, 85A @ 100%

### SELECTION TABLE

	131	161	181
Applications			
Electrode Ø (mm)	1.5 - 3.2	1.5 - 4.0	
Rutile / basic	●	●	●
Cellulosic	●	●	●
Performance			
Hot start	●	●	●
Auto-arc force	●	●	●
VRD	●	●	●
Anti-stick	●	●	●
Environment			
Generator use	●	●	●
Features			
Lift TIG	●	●	●
Packaging			
	Machine + Welding Leads + Carry Case		

### ACCESSORIES

Item number	Description
PC9FV-4I	POWERCRAFT® PC9FV 4m, TIG Torch (suits POWERCRAFT® 131)
PC17FV-8I-2	POWERCRAFT® PC17FV-8I-2 8m, TIG Torch (suits POWERCRAFT® 131)
PC17FV-4I	POWERCRAFT® PC17FV 4m TIG Torch (suits POWERCRAFT® 161/181)
PC17FV-8I	POWERCRAFT® PC17FV 8m TIG Torch suits (POWERCRAFT® 161/181)
LE250-RG002	Lincoln Electric® Argon Flowmeter

### \* GENERATOR REQUIREMENTS

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



#### 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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