

By Lincoln Electric

 **arcweld**[®]

160i-ST / 200i-ST
160i-ST DV / 200i-ST DV



BUILT FOR THE JOB

The arcweld[®] 160i-ST / 200i-ST, 160i-ST DV / 200i-ST DV 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. Both machines are designed to be used with 6011, 6013 & 7018 type electrodes up to 5.0mm in diameter.

The arcweld[®] 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.

PROCESSES

- Stick
- TIG

UNIT INCLUDES

- 3 meter input cable with integrated plug
- 3 meter ground cable with work clamp
- 5 meter welding cable with electrode holder

ADVANTAGE

- ✓ **Small and lightweight yet powerful**
9.0Kg-arcweld 160i-ST
11.5Kg-arcweld 200i-ST
12.0Kg-arcweld 160i-ST DV
12.5Kg-arcweld 200i-ST DV
- ✓ **Two unique Units**
Different outputs, performance and features fit any customer requirements
- ✓ **Robust design**
Robust, Metal housing and control buttons to withstand tough environmental conditions
- ✓ **Intelligent protection**
Over-voltage
Low-voltage
Over-current
- ✓ **Auto Adaptive Arc Force**
For a stable arc with low spatter levels
- ✓ **Built in "Hot Start"**
For excellent arc striking
- ✓ **Generator ready**
Machines are ready to go for use with generators
- ✓ **Meets IEC 60974-1**
International Standard for welding machines
- ✓ **Thermally protected**
For longer life
- ✓ **Adopt IGBT technology**
For high reliability
- ✓ **Easy to set Output Control**
Calibrated dials
- ✓ **Ready to Weld with accessories**
Accessories/power cord included
- ✓ **Dual Voltage (DV)**
Adapts to the input voltage automatically

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THE WELDING EXPERTS[®]

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160i-ST / 200i-ST
160i-ST DV / 200i-ST DV

TECHNICAL SPECIFICATION

Product Name	Product Number	Primary Voltage	Weight (kg)	Dimensions HxWxD (mm)	Protection / Insulation Class	Compliance
arcweld [®] 160i-ST	K69002-1	220V/1/50/60Hz +/-10%	9.0	270x220x400	IP21S / F	IEC 60974-1
arcweld [®] 200i-ST	K69005-1	220V/1/50/60Hz +/-10%	11.5	290x220x470	IP21S / F	IEC 60974-1
arcweld [®] 160i-ST DV	K69003-1	110V/220V/1/50/60Hz +/-10%	12.0	290x220x470	IP21S / F	IEC 60974-1
arcweld [®] 200i-ST DV	K69006-1	110V/220V/1/50/60Hz +/-10%	12.5	290x220x470	IP21S / F	IEC 60974-1

WELDING OUTPUT

Product Name	Current	Input Voltage	Rated Output (40°C)
arcweld [®] 160i-ST	5-160A	220V	160A @ 25%, 110A @ 60%
arcweld [®] 200i-ST	5-200A	220V	200A @ 25%, 120A @ 60%
arcweld [®] 160i-ST DV	10-160A	110V	110A @ 35%, 85A @ 50%
		220V	160A @ 30%, 110A @ 60%
arcweld [®] 200i-ST DV	10-200A	110V	110A @ 35%, 85A @ 50%
		220V	200A @ 25%, 110A @ 60%

INPUT POWER CORD




ACCESSORIES

Product Name	Item Number	Description
arcweld [®] 160i-ST arcweld [®] 200i-ST	K69100-16-3M	Ground cable assembly, 16mm ² , 3M, 300A
arcweld [®] 160i-ST DV arcweld [®] 200i-ST DV	K69101-16-5M	Welding cable assembly, 16mm ² , 5M, 300A

ACCESSORIES



	160i-ST	200i-ST	160i-ST DV	200i-ST DV
Applications				
Electrode Type	6011, 6013, 7018	6011, 6013, 7018	6011, 6013, 7018	6011, 6013, 7018
Electrode Ø (mm)	2.5, 3.2, 4.0	2.5, 3.2, 4.0	2.5, 3.2, 4.0	2.5, 3.2, 4.0, 5.0
Rutile / Basic	●	●	●	●
Cellulosic	●	●	●	●
Performance				
Hot start	●	●	●	●
Anti-stick	●	●	●	●
Arc force	●	●	●	●
Power Factor Correction			●	●
Environment				
Compatible Power Generator	●	●	●	●
Integrated Plug (16A)	●		●	●
Features				
Scratch start TIG	●	●	●	●
Lift arc TIG			●	●
Packaging - Carton Box				
	Machine & Accessories	Machine & Accessories	Machine & Accessories	Machine & Accessories

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