

ARC-200i/250i



Quick Specs



Heavy Industrial Application:

Installation and set-up
Repair and maintenance
Chemical and process industry
Shipyards and off-shore industry
Pipe welding outside

Process:

Stick (SMAW)

Input Power: ARC-200i: 230V, 1-Phase
ARC-250i: 380V, 3-Phase

Amperage Range: ARC-200i: 10-200A/ARC-250i: 20-250A

Rated Output at 40°C (104°F): 200i: 160A at 26.4V @60% Duty Cycle
250i: 250A at 30V @60% Duty Cycle

Weight: 14/16KG

Compact, indestructible and versatile

For tough, safe everyday operation on construction on sites and in assembly work, the resilient MMA professional machines with metal casing offering the perfect solution. Even on long mains leads or connected to a generator, the welding electrode ignites reliably.

Soft-switching inverter technology with digital control system ensures a stable arc, providing problem-free welding even for special electrodes. It's specially designed for cellulose electrodes are 100% safe for vertical-down welds and with a professional welding performance. Powerful with heavy duty cycle of 60% at 200A/250A, we set a new standard in this class.

The **ARC-200i/250i** also could be ordered with PFC system.

Specialist Features

Precision Arc Performance:

- **Expert of Vertical-down** welding with cellulose electrodes.
- **Built-in arc control** lets you get in tight without sticking the electrode. An electrode compensation circuit ensures consistent arc control performance regardless of the electrode size.
- **Hot Start Function** reliably ignites the electrode and melts perfectly to ensure the best quality even at the start of the seam.
- **Arc Force** makes it easier to weld large-drop melting electrode types at low current strengths with a short arc in particular.
- **Thermal overload protection** light indicates power shutdown. Helps prevent machine damage if the duty cycle is exceeded or airflow is blocked.
- Expert of vertical-down welding with cellulose electrodes.
- **Fast, precise, clean arc ignition and arc ending.**



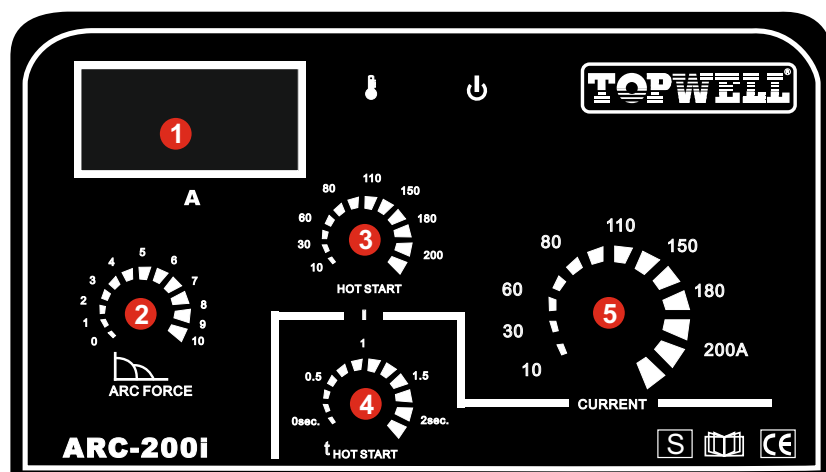
Outstanding Quality:

- Newly designed using the latest power electronic technology for improved reliability.
- CE Certified.
- One-Year Warranty on parts.

Technical specifications

Item No	ARC-200i	ARC-250i
Rated Input Voltage	1PH ~ 230V $\pm 15\%$	3PH ~ 400V $\pm 15\%$
Max. Load Power Capacity	MMA: 7.1KVA	MMA: 8.3KVA
Rated Duty Cycle (40oC)	60%	MMA: 250A/30V
	100%	MMA: 200A/28V
Welding Current/Voltage Range	MMA: 10A/20.4V~200A/28V	MMA: 20A/20.8V~250A/30V
Open Circuit Voltage	60V~80V	60V~80V
Power Factor	0.73	0.92
Efficiency	80%	85%
MMA Arc Force	10A~100A	10A~160A
Hot Start Time	0.1S~2S	0.1S~2S
Hot Start Current	10A~130A	10A~130A
Dimension (LxWxH)	410X190X305mm	430X210X340mm
Weight (KG)	14KG	16KG

General View of Control Panel



Control Panel Parameter Values

1. Ammeter/Voltmeter Display

2. Arcforce rotary dial

To adjust the welding parameters to the electrode type used. Infinite setting from rutile (soft arc) to cellulose (hard arc) electrode types.

3. Hotstart current rotary dial

Increased ignition current during the set hotstart period to optimise the arc ignition. Setting from 20 A to 200 A.

4. Hotstart period rotary dial

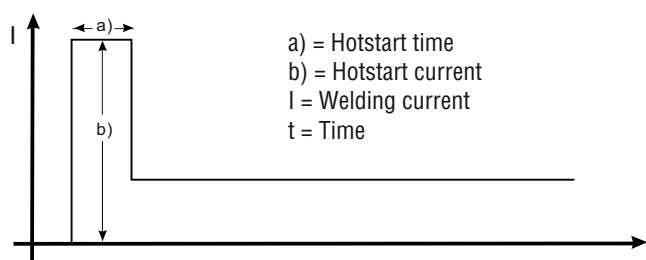
Increased ignition current (hotstart current) flows during the period set. Setting from 0 s to 2 s.

5. Welding current setting rotary dial

Infinite setting of the welding current across the whole power range.

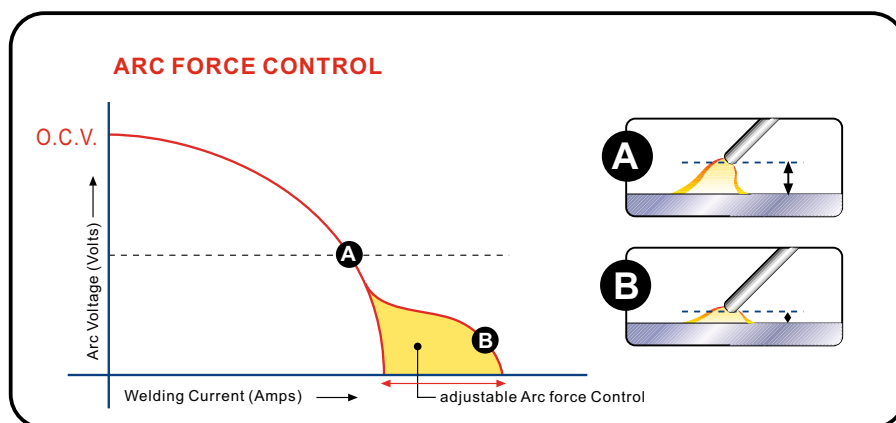
Hot Start

Hot start function reliably ignites the electrode and melts perfectly to ensure the best quality even at the start of the seam. This solution makes lack of fusion and cold welds a thing of the past and significantly reduces weld reinforcement. Adjust the hot start current here and the time here.



Arcforce correction (welding characteristics)

During the welding process, arcforce prevents the electrode sticking in the weld pool with increases in current. This makes it easier to weld large-drop melting electrode types at low current strengths with a short arc in particular.



Accessories

For Standard accessories



Electrode holder with cable 2M
Earth clamp with cable 2M



Hand helmet
Brush/hanner



TIG torch: TIG-26
Gas connector: M16
Cable length 4M
5-pin control coupler

