

Dialarc® 250 AC/DC

Stick Welding Power Source 

Quick Specs

Light Industrial Applications

Production Line Work
Plant Maintenance
Garage/Job Shops
Fabrication
Vocational School Training

Processes

Stick (SMAW)
Air Carbon Arc (CAC-A)
Cutting and Gouging

Input Power 1-Phase Power

Rated Output AC: 225 A at 29 V, 30% Duty Cycle
DC: 175 A at 27 V, 50% Duty Cycle

Max. Open-Circuit Voltage AC: 70 DC: 79

Single-dial current control simplifies weld adjustment.

Infinite current control allows precise weld output adjustment; you always get the exact heat you need to produce a better weld.

High and low ranges for both AC and DC allow greater control of weld performance for changes in welding conditions.

Fully varnished magnetic amplifier technology provides lower maintenance, and outstanding product reliability with fewer moving parts.

Forced-draft cooling fan ensures a cooler running product, extending the life of the power source.



Superior 6010 and 7018 Stick welding performance offers a wide range of electrode versatility; welds difficult-to-weld metals.

High output and duty cycle allows unit to handle nearly all of your Stick welding needs.

Industrial, weld output terminal cover.

Power factor correction is available for lower primary power demand.

Optional remote weld output control provides current control without going back to the power source saving time and effort.



Power source is warranted for 3 years, parts and labor.
Original main power rectified parts are warranted for 5 years.



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Specifications (Subject to change without notice.)

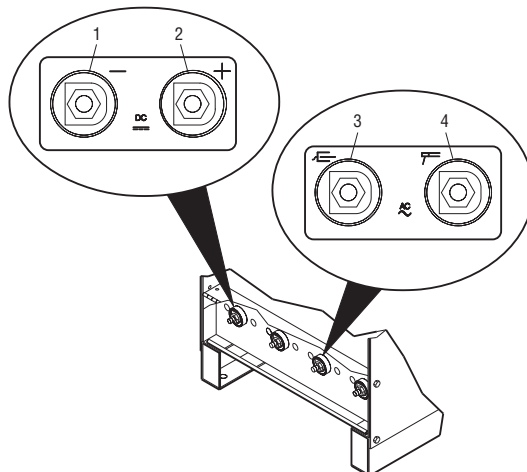
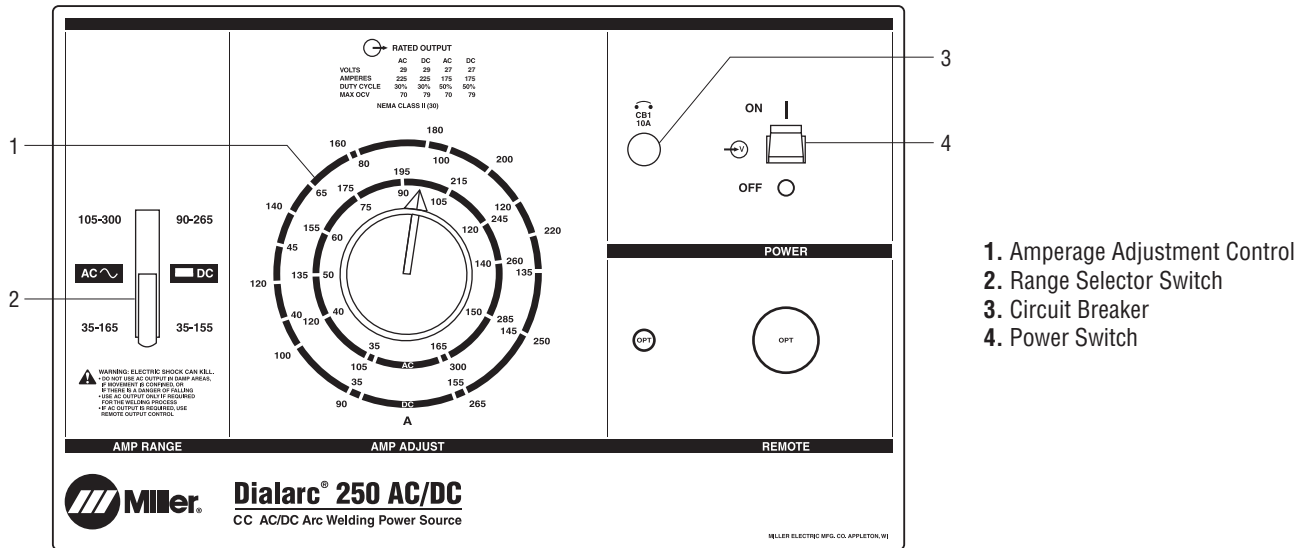


Power Factor Correction	Welding Amperage Ranges	Rated Output*	Amps Input at Rated Output, 50 or 60 Hz, Single-Phase										Max. Open-Circuit Voltage	Dimensions	Net Weight	
			200 V	208 V	220 V	230 V	380 V	440 V	460 V	575 V	KVA	KW				
Without PFC, 60 Hz	AC	Low: 35–165	225 A at 29 V	84	—	—	73	—	—	36	29	16.8	9.8	70	H: 24.25 in. (616 mm) W: 19 in. (483 mm) D: 28 in. (711 mm)	360 lb. (163 kg)
		High: 105–300	175 A at 27 V	66	—	—	57	—	—	29	23	13.3	7.1			
	DC	Low: 35–155	225 A at 29 V	92	—	—	80	—	—	40	32	18.6	11.8	79		
		High: 90–265	175 A at 27 V	70	—	—	61	—	—	31	24	14.1	7.9			
With PFC, 60 Hz	AC	Low: 35–165	225 A at 29 V	—	60	—	55	—	—	27	22	12.5	9.9	70		365 lb. (166 kg)
		High: 105–300	175 A at 27 V	—	43	—	39	—	—	19	16	9	7.1			
	DC	Low: 35–155	225 A at 29 V	—	66	—	60	—	—	30	24	13.7	10.8	79		
		High: 90–265	175 A at 27 V	—	45	—	41	—	—	21	16	9.5	7.7			
With PFC, 50 Hz	AC	Low: 35–165	225 A at 29 V	—	—	62	—	36	31	—	—	13.7	10.2	70		365 lb. (166 kg)
		High: 105–300	175 A at 27 V	—	—	46	—	27	23	—	—	10.2	7.2			
	DC	Low: 35–155	225 A at 29 V	—	—	73	—	42	36	—	—	16	12.2	79		
		High: 90–265	175 A at 27 V	—	—	52	—	30	26	—	—	11.4	8.3			

*Rated output at low welding amperage ranges is **30% duty cycle**. Rated output at high welding amperage ranges is **50% duty cycle**.

Certified by Canadian Standards Association to both the Canadian and U.S. Standards.

Control Panel



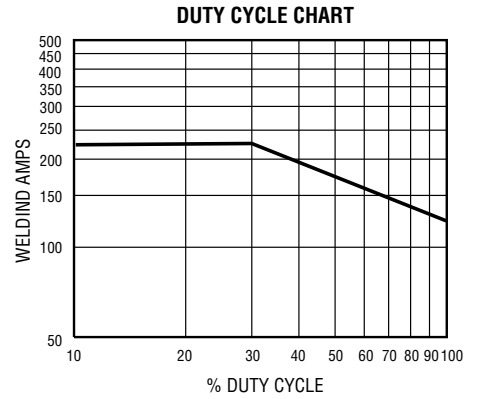
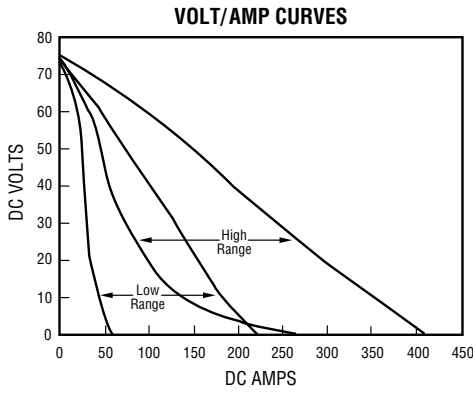
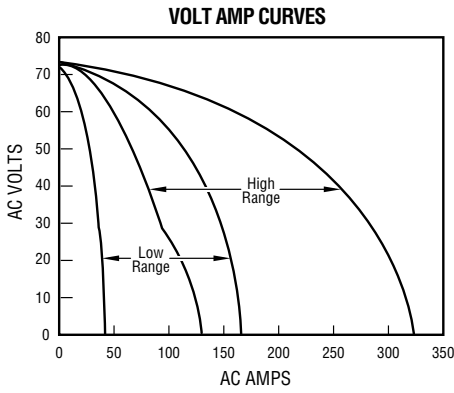
For DC Weld Output

1. Negative (-) Weld Output Terminal
2. Positive (+) Weld Output Terminal

For AC Weld Output

3. Work Weld Output Terminal
4. Electrode Weld Output Terminal

Performance Data



Genuine Miller® Options and Accessories

RF-10 Remote Current Control Facilities

#041 111 Field

Includes receptacle, remote-standard switch and wiring.



RHC-3 Remote Hand Amperage Control

#242 210 020

Includes 20-foot (6 m) cord with plug.

Note: Requires RF-10 Remote Current Control Facilities.

RFC-23A Remote Foot Amperage Control

#242 199 020

Includes 20-foot (6 m) cord with plug.

Note: Requires RF-10 Remote Current Control Facilities.



No. 2 Stick Cable Set

#195 196 15 ft. (4.6 m)

#300 836 50 ft. (15 m)

Consists of either 15- or 50-foot (4.6 or 15 m) No. 2 electrode cable with holder and work cable with clamp. 200 A, 100% duty cycle.



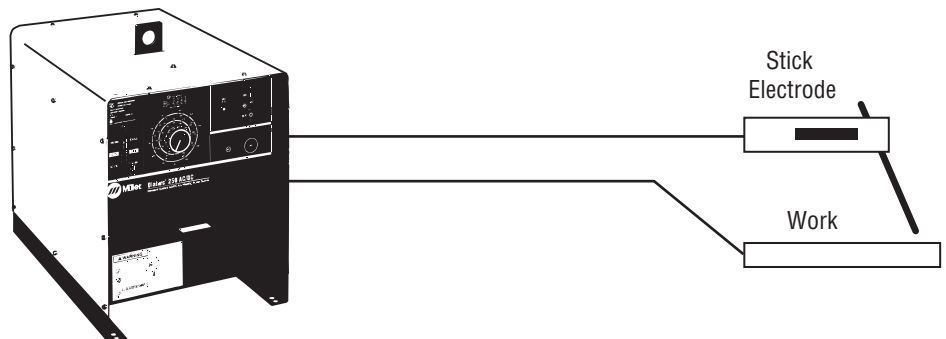
No. 19 Running Gear #041 580

Four 8-inch (203 mm) poly/rubber blend wheels with 30-inch (762 mm) towing handle. Shipped unassembled.

Typical Installation



Stick (SMAW) Basic Equipment



Ordering Information

Equipment and Options	Stock No.	Description	Qty.	Price
Dialarc® 250 AC/DC	#907 017	200-208/230/460 V, 60 Hz		
	#907 016	230/460/575 V, 60 Hz		
Dialarc® 250P AC/DC	#907 015	208/230/460/575 V, 60 Hz with Power Factor Correction		
	#907 047	220/380/440 V, 50 Hz with Power Factor Correction		
Options and Accessories				
RF-10 Remote Current Control Facilities	#041 111	Field		
RHC-3 Remote Hand Amperage Control	#242 210 020	20-ft. (6 m) cord with plug. <i>Requires RF-10 Remote Current Control Facilities</i>		
RFC-23A Remote Foot Amperage Control	#242 199 020	20-ft. (6 m) cord with plug. <i>Requires RF-10 Remote Current Control Facilities</i>		
No. 2 Stick Cable Set	#195 196	15-ft. (4.6 m) No. 2 electrode cable with holder and work cable with clamp		
	#300 836	50-ft. (15 m) No. 2 electrode cable with holder and work cable with clamp		
No. 19 Running Gear	#041 580			
Miscellaneous				
Stick Electrodes				
Helmet/Gloves/Scratch Brush				
Chipping Slag Hammer				
Other				

Date:

Total Quoted Price:

Distributed by:

