

Millermatic® 255

See literature DC/12.8



Millermatic 255 with running gear package shown.

Welding Capability

Max. 1/2 in. (13 mm)	Max. 1/2 in. (13 mm)
Mild Steel	Aluminum
Min. 24 ga. (0.6 mm)	Min. 18 ga. (1.2 mm)

Aluminum welding uses optional XR-Aluma-Pro push-pull gun.

Recommended aluminum solution

XR-Aluma-Pro™ push-pull gun (page 29).



NEW! Pulsed MIG programs for silicon bronze and 98 argon/2 CO₂ stainless steel.



Easy-to-understand interface with 7-inch color LCD display ensures proper machine setup and parameter selection, reducing setup time and increasing weld time.

- Quick-access Auto-Set and pulse mode backlit buttons across the top illuminate when active
- Soft-key buttons below the display change function depending on which screen is displayed – makes setup or change quick, easy and intuitive
- Large text for easier readability
- Intuitive connection setup images
- Full troubleshooting descriptions versus help errors and look up codes

AUTO-LINE TECHNOLOGY Allows for any input voltage hookup (208–240 V, single-phase) with no manual linking, providing convenience in any job setting. Ideal solution for dirty or unreliable power.

Built-in pulsed MIG programs. All programmed information is restored after each power up – aluminum/steel/stainless steel.

Auto-Set™ Elite offers predefined weld settings to increase ease of use and ensure that the job is done right for operators of all skill levels.

- Available for MIG and pulsed MIG processes with the ability to fine-tune your settings
- Set weld parameters by selecting wire and gas type, wire diameter and material thickness

Program mode allows easy save and recall of favorite weld settings. Delivers more productivity and consistent quality while minimizing supervisor intervention.

EXCLUSIVE! Auto-Gun Detect™ automatically adjusts voltage, wire speed and timers for faster switching between MIG, push-pull and spool guns.

Heavy-duty aluminum two-drive-roll system.

Uses 4-, 8- or 12-inch (102, 203 or 305 mm) spools.

Fan-On-Demand™ cooling system only operates when needed, reducing power consumption and keeping internal components cleaner.

Industrial CV DC 1 Phase

Processes

- MIG (GMAW) ▪ Flux-cored (FCAW)
- Pulsed MIG (GMAW-P)

Comes complete with

- 15 ft. (4.5 m) 250-amp MDX™-250 MIG gun with AccuLock™ S consumables
- 10 ft. (3 m) work cable with clamp
- 10 ft. (3 m) industrial power cord
- Factory-installed gas solenoid
- Flow gauge regulator and gas hose for argon or AR/CO₂ mix
- Chain to secure gas cylinder
- .035/.045 in. reversible V-groove drive rolls
- Extra contact tips and material thickness gauge (229895)

Most popular accessories

- MDX™-250 EZ-Select™ MIG Gun 1770047 (pg 24)
 - Spoolmatic® Spool Gun (pg 28) (non-Pro gun only)
 - XR-Aluma-Pro™ Air-Cooled Push-Pull Guns (pg 29)
 - EZ-Latch™ Single Cylinder Running Gear 301449 (pg 118)
 - EZ-Latch™ Dual Cylinder Rack with Elevated Gun and Cable Rack 301481
- Converts an EZ-Latch™ Single Cylinder Running Gear into a Dual Cylinder Rack Running Gear as seen below



- **EZ-Latch™ Dual Cylinder Rack Running Gear** 951769 (pg 118)
- Protective Cover 301521 (pg 121)

Visit MillerWelds.com or your distributor for other Miller® options and accessories.

Stock Number (907734) 208–240 V (951766) 208–240 V with single cylinder running gear	Amperage Range	Rated Output	Amps Input at Rated Output, 50/60 Hz				Wire Feed Speed	Wire Type and Diameter Capacity	Power Source Dimensions	Power Source Net Weight
			208 V	240 V	KVA	KW				
	20–350	230 A at 25.5 VDC, 60% duty cycle	44.0	39.5	9.5	7.2	50–800 ipm (1.3–20 m/min.)	Solid steel .023–.045 in. (0.6–1.2 mm) Stainless .023–.045 in. (0.6–1.2 mm) Aluminum .035–.047 in. (0.9–1.2 mm) Flux-cored .030–.045 in. (0.8–1.2 mm)	H: 19.24 in. (489 mm) W: 13.75 in. (349 mm) D: 24.25 in. (616 mm)	84 lb. (38 kg)