

FICHA TÉCNICA

MÁQUINA DE SOLDAR XMT 425 VS



XMT® 425 Series

Quick Specs



Heavy Industrial Applications

Construction
Shipbuilding
Railroad
Truck/Trailer Manufacturing
Fabrication
Repair Shops
Rental Fleets
Power Generation Plants

Processes

MIG (GMAW)/Pulsed MIG (GMAW-P)*
Stick (SMAW)
TIG (GTAW)
Flux Cored (FCAW)
Air Carbon Arc Cutting and Gouging (CAC-A)

**XMT 425 CC/CV requires optional control; not available with XMT 425 VS model.*

Input Power

Requires 3- or 1-Phase Power,
208–460 VAC, 50/60 Hz **CE**

Rated Output

10–38 V, 5–425 A

Weight

Net: 80 lb (36.3 kg)
Ship: 89.1 lb (40.4 kg)

The Power of Blue.®

Wind Tunnel Technology™ protects electrical components and PC boards from contamination.

Fan-On-Demand™ cooling system operates only when needed, reducing noise, energy use and the amount of contaminants pulled through machine.

Lift-Arc™ allows TIG starting without the use of high-frequency. Starts the arc without contaminating the weld with tungsten.

Adaptive Hot Start™ increases the output amperage at the start of a weld if necessary, eliminating electrode sticking.

Lightweight, aerospace-grade aluminum case offers protection with the benefit of reduced weight.

Auto-Line™ Power Management Technology allows for any input voltage hook-up (208–460 V) with no manual linking required, providing convenience in any job setting. Ideal solution for dirty or unreliable input power.

Inverter arc control technology provides greater puddle control for superior 6010 Stick electrode performance, and outstanding MIG weld performance.

Process selector switch reduces the number of control setup combinations without reducing any features.



Power source is warranted for 3 years, parts and labor.
Original main power rectified parts are warranted for 5 years.
Gun warranted for 90 days, parts and labor.



XMT 425 CC/CV

XMT 425 VS

The XMT 425 Series is packed with features to meet the most demanding welding needs.

Line voltage compensation keeps welding output constant even if input power varies by +/-10%. XMT 425 models further expand line voltage compensation on 460 VAC to an amazing +37%, -59%.

Large, dual digital meters are easy to view and are presettable to ease setting weld output.

Exceptional electrical efficiency. At 400 A, efficiency is 87.24%!

350 A of welding output at 60% duty cycle with superior low-end performance.

Power factor of .95 enables smaller fuses/breakers and primary wiring. Primary amperage draw at rated output is 25% less than the competition.

Ultra-tough, polycarbonate-blended cover for control panel protects front controls from damage.

Low OCV Stick — A built-in, selectable feature, that reduces the Stick mode open-circuit voltage (OCV) to nearly 15 volts when the welding power source is not in use. Eliminates the need for add-on voltage reducers.

Dinse International-style weld disconnects provide high-quality weld cable connections.

Additional Features for XMT 425 CC/CV

Auto Remote Sense™ enables unit to automatically use remote control if connected to remote control receptacle.

115 VAC auxiliary power provides 10 amps of circuit-breaker-protected power for water circulators. Available on CE model.

Pulsed MIG (GMAW-P) capabilities with optional Optima™ control reduces spatter and distortion, allows better out-of-position puddle control, and provides potential reduction of fume particle emission.



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MÁQUINA DE SOLDAR XMT 425 VS



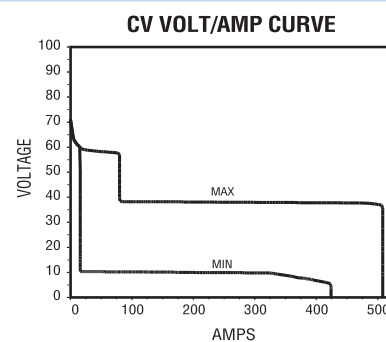
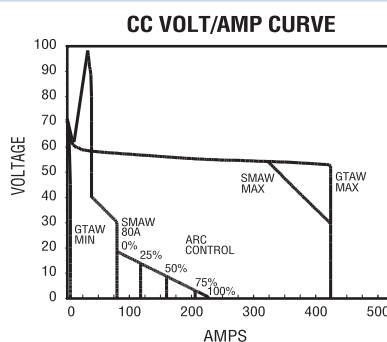
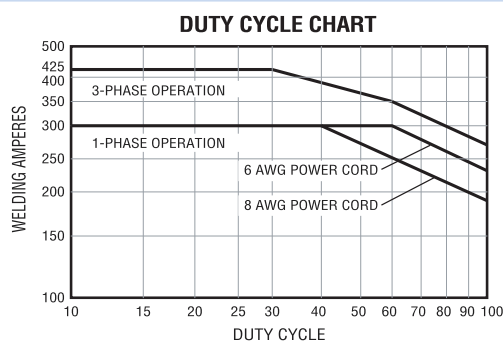
XMT® 425 Specifications (Subject to change without notice.)



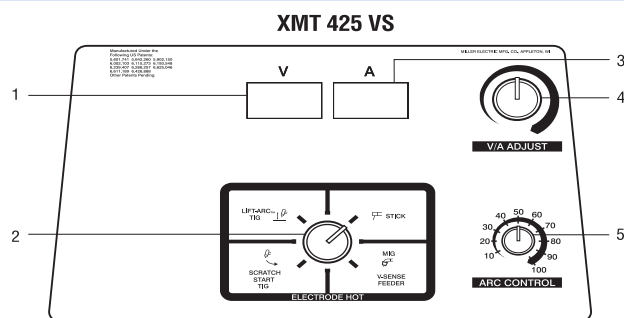
Input Power	Rated Output at 60% Duty Cycle	Voltage Range in CV Mode	Amperage Range in CC Mode	Max. Open-Circuit Voltage	Amps Input at Rated Load Output, 60 Hz, 208 V 230 V 400 V 460 V 575 V KVA KW								Dimensions	Weight
Three-Phase	350 A at 34 VDC	10–38 V	5–425 A	75 VDC	40.4	36.1	20.6	17.8	14.1	14.2	13.6	H: 17 in (432 mm) W: 12-1/2 in (318 mm) D: 24 in (610 mm)	80 lb (36.3 kg)	
Single-Phase	300 A at 32 VDC	10–38 V	5–425 A	75 VDC	60.8	54.6	29.7	24.5	19.9	11.7	11.2			

Certified to both the Canadian and U.S. Standards for welding equipment.

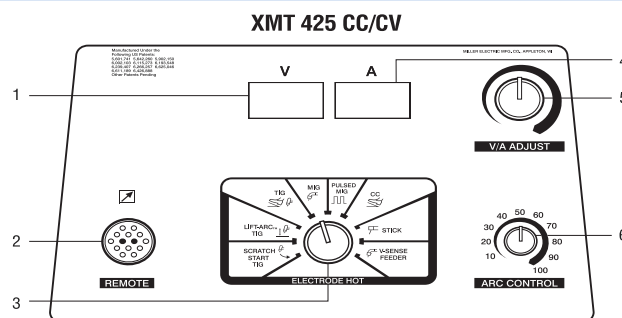
XMT® 425 Performance Data



Control Panels



1. Voltmeter
2. Process Selector Switch (Rotary Switch)
3. Ammeter
4. Voltage/Amperage Adjustment Control
5. Arc Control



1. Voltmeter
2. Remote Control Receptacle
3. Process Selector Switch (Rotary Switch)
4. Ammeter
5. Voltage/Amperage Adjustment Control
6. Arc Control

Genuine Miller Accessories



Optima™ #043 389

A multipurpose, microprocessor-based pulse control for both synergic MIG (wire welding or GMAW) or manual MIG pulsing. Use this control with the XMT 425 CC/CV power source and any Miller wire feeder, including automatic feeders and spool guns. Includes a 25 ft (7.6 m) cord with 14-pin plug. (Not for use with XMT 425 VS model.)

Extension Cords for Optima

- #043 725 25 ft (7.6 m)
- #043 726 50 ft (15.2 m)
- #043 727 75 ft (22.9 m)

Gas Solenoid Kit #195 286

Easy to install, optional gas solenoid kit for TIG welding applications.

Process Selector Control #042 872

Designed for use with dual wire feeders, applications where electrical isolation and/or polarity reversing of weld current is required, and for welding process changes. Includes 115 VAC/2 amp receptacle, two 14-pin receptacles and a 10 ft (3 m) 14-pin cord.



WC-24 Weld Control #137 549

Designed for use with Miller CV power sources supplying 24 VAC and 14-pin receptacles. For use with Spoolmatic 30A spool gun.



WC-115A Weld Control #137 546-01-1

Operates on 115 VAC and is designed for power sources without a 14-pin receptacle. For use with Spoolmatic 30A spool gun. Includes 10 ft (3 m) wall-type plug and power cord.