

# XPS 350/450

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**MIG Arc Welding  
Power Source**



## Quick Specs



### Industrial Applications

Maintenance Repair  
Structural Steels  
Commercial Trailer  
Manufacturing

### Processes

MIG (GMAW)  
Flux Cored (FCAW)

**Input Power** XPS 350/450: 3-Phase Power

**Rated Output** XPS 350: 350 Amps at 45% Duty Cycle  
XPS 450: 450 Amps at 50% Duty Cycle

**Net Weight** XPS 350: 128 kg (282 lb)  
XPS 450: 158 kg (348 lb)

## The Power of Blue.®

**NEW! Traditional tapped transformer power source.** Simple and precise, enabling the operator to obtain the desired arc voltage with ease. The 350 amp model has 30 steps. The 450 amp model has 40 steps providing even greater flexibility for the operator.

**NEW! Fan-On-Demand™ (optional).** Energy-efficient design keeps power source internal components cleaner, reducing maintenance.

**Thermal overload protection** shuts down the power source output if overheating of either the main transformer or rectifier occurs.

**115 VAC auxiliary power receptacles (optional)** provide power for Miller water coolant systems.

**Standard 14-pin connection to Miller wire feed units** allows XPS 350/450 to connect to any Miller wire feeder.

**Industrial running gear (included) and cylinder rack (optional)** allow the operator easy manoeuvrability of the XPS and ancillaries such as a wire feed unit, water coolant system and gas cylinder.



**New!**

**Dual digital meters with hold function (optional)** display clear, precise readings of arc voltage and amperage. Displays have a hold feature enabling the last parameters to be viewed after welding has stopped.

Easy access to output terminals provides **convenient polarity changeover** when changing to solid or flux cored wires.

**Two inductance terminals and laminated inductor** provide a stable, smooth arc operators appreciate.



**ST 24 wire feed unit (optional)** compliments the XPS series by providing a rugged 4-drive-roll wire feeder for the new, efficient power source.

**TRUE BLUE®**  
3YR. WARRANTY

Welding machine is warranted for 3 years, parts and labour.



### ITW Welding Products – Italy S.r.l.

Via Privata Iseo 6/e  
20098 San Giuliano M.se  
Milano – Italy  
TEL.: +39 02 982901  
FAX: +39 02 98281552  
Email: itw@itw-welding.it

### ITW Welding Products BV – Netherlands

Edisonstraat 10  
P.O. Box 1551  
NL-3261 LD Oud-Beijerland,  
Netherlands  
TEL: +31 (0) 186 641 444  
FAX: +31 (0) 186 640 880

### International Headquarters Miller Electric Mfg. Co.

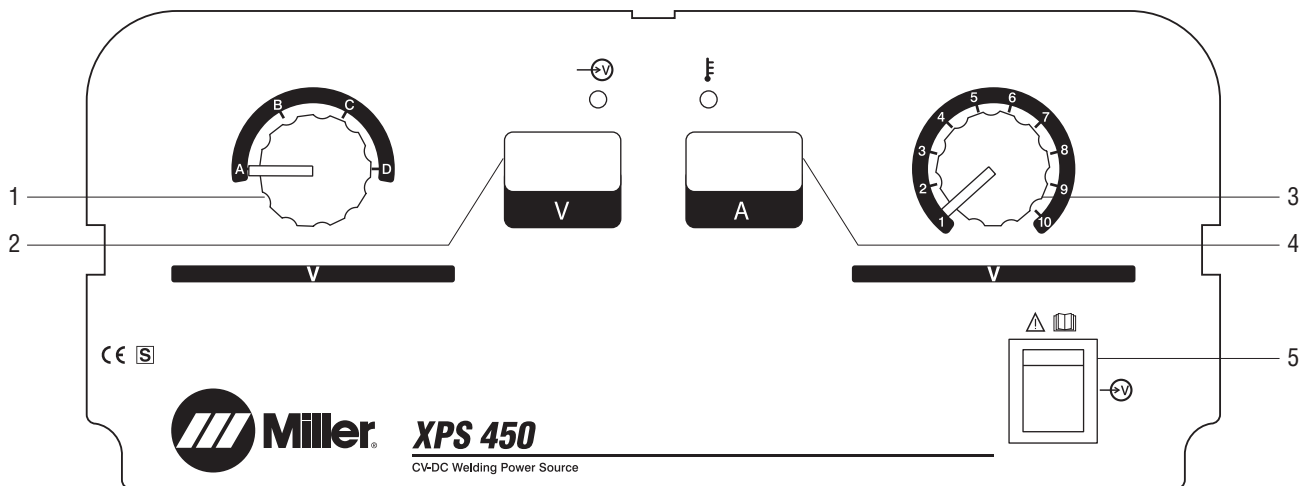
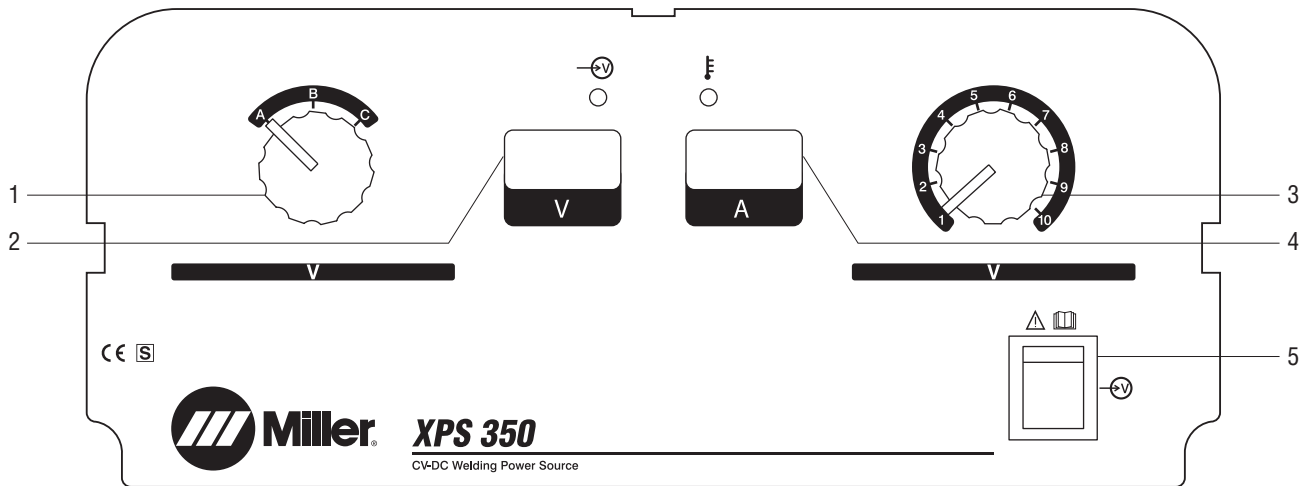
An Illinois Tool Works Company  
1635 W. Spencer Street  
Appleton, WI 54914 USA  
TEL.: +1 920 735 4554  
FAX: +1 920 735 4125  
www.millerwelds.com

# Specifications (Subject to change without notice.)



Model	Rated Output	Max. Open-Circuit Voltage	Voltage Range	Amps Input at Rated Output, 50 Hz, 230/400 VAC	Dimensions	Weight
XPS 350	350 A at 31.5 VDC, 45% Duty Cycle	43 VDC	17–43 Volts	40/23 Amps	L: 860 mm (34 in) W: 570 mm (22.5 in) H: 930 mm (37 in)	Net: 125 kg (276 lb) Ship: 141 kg (311 lb)
XPS 450	450 A at 36.5 VDC, 50% Duty Cycle	47 VDC	16–47 Volts	56/32 Amps		Net: 153 kg (337 lb) Ship: 171 kg (377 lb)

## Control Panels



1. Voltage Tap Control (Coarse Adjustment)
2. Digital Voltmeter (Optional)
3. Voltage Tap Control (Fine Adjustment)
4. Digital Ammeter (Optional)
5. Power On/Off Switch

## Genuine Miller Accessories



### XPS Cylinder/Water Cooler Rack #058 066 065

Two-compartment rack accommodates one Hydramate™ 1 coolant system and one gas cylinder up to 1650 mm (65 in) high and 250 mm (9.8 in) in diameter.



### ST 24 Wire Feed Unit #029 007 395

“Open-style” wire feed unit. Heavy-duty 4-drive-roll wire feed system complete with 1.0/1.2 mm V-groove roll set, 2T/4T trigger hold function, wire run-in, jog, burnback and gas purge are standard.



### Hydramate™ 1 #028 042 097

13,000 BTU unit runs on 115 VAC. Vertically mounted, water coolant system provides efficient cooling of water-cooled MIG torches up to 500 amps.



### XPS Single Cylinder Rack #058 066 064

Single-compartment rack accommodates one gas cylinder up to 1650 mm (65 in) high and 250 mm (9.8 in) in diameter.



### ST 44 Wire Feed Unit

**#029 007 406** Base model  
Fully enclosed “suitcase-style” wire feed unit includes heavy-duty 4-drive-roll wire feed system complete with 1.0/1.2 mm V-groove roll set, 2T/4T trigger hold function, wire run-in, jog, burnback and gas purge as standard.

**#029 007 404** Digital model  
Digital model includes Volt and WFS display, RVC and quick-fit water connections.

# Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
<b>XPS 350</b> <i>(Includes heavy-duty ground cable and clamp.)</i>	#029 015 537	230/400 V, 3-Phase, 50 Hz		
	#029 015 534	230/400 V, 3-Phase, 50 Hz with Aux. Power, Digital Meters and Fan-On-Demand		
	#029 015 531	400 V, 3-Phase, 50 Hz		
	#029 015 528	400 V, 3-Phase, 50 Hz with Aux. Power, Digital Meters and Fan-On-Demand		
<b>XPS 450</b> <i>(Includes heavy-duty ground cable and clamp.)</i>	#029 015 538	230/400 V, 3-Phase, 50 Hz with Auxiliary Power		
	#029 015 535	230/400 V, 3-Phase, 50 Hz with Aux. Power, Digital Meters and Fan-On-Demand		
	#029 015 532	400 V, 3-Phase, 50 Hz with Auxiliary Power		
	#029 015 529	400 V, 3-Phase, 50 Hz with Aux. Power, Digital Meters and Fan-On-Demand		
<b>Accessories</b>				
XPS Cylinder/Water Cooler Rack	#058 066 065	Designed to accommodate one gas cylinder and one water cooling unit		
XPS Single Cylinder Rack	#058 066 064	Designed to accommodate one gas cylinder		
ST 24 Wire Feed Unit	#029 007 395	"Open-style" 4-drive-roll wire feed unit		
ST 44 Wire Feed Unit	#029 007 406	Base model "suitcase-style" 4-drive-roll wire feed unit		
	#029 007 404	Digital model includes Volt and WFS display, RVC and quick-fit water connections		
Hydramate™ 1	#028 042 097	115 VAC. 13,000 BTU water coolant system		

Date:

Total Quoted Price:



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