

XPS 350/450 Series

MIG Welding
Power Source 

Quick Specs



Industrial Applications

Maintenance repair
Structural steels
Commercial trailer
Manufacturing

Processes

MIG (GMAW)
Flux-cored (FCAW)

Input Power 400 V, 3-phase, 50 Hz

Rated Output 350: 350 A at 45% duty cycle
450: 450 A at 50% duty cycle

Net Weight 350: 125 kg (275 lb.)
450: 153 kg (337 lb.)

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.

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-volt auxiliary power receptacles (optional) provide power for Miller® 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 feeder, coolant system and gas cylinder.



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 or ST®-44 wire feeder (optional) compliment the XPS 350/450 by providing a rugged four-drive-roll wire feeder for the efficient power source.



Power source is warranted for three years, parts and labour.



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Specifications (Subject to change without notice.)



Model	Voltage Range	Rated Output	IP Rating	Amps Input at Rated Output, 50 Hz, 400 V	Max. Open-Circuit Voltage	Dimensions	Net Weight
XPS 350	15–32 V	350 A at 31.5 VDC, 45% duty cycle	IP22	23 A	43 VDC	H: 930 mm (37 in.) W: 570 mm (22.5 in.) D: 860 mm (34 in.)	125 kg (275 lb.)
XPS 450	15–34 V	450 A at 36.5 VDC, 50% duty cycle	IP22	32 A	47 VDC		153 kg (337 lb.)

Genuine Miller® Accessories



XPS Cylinder/Water Cooler Rack
058066065

Two-compartment rack accommodates one HydraCool® 1 coolant system and one gas cylinder up to 1,650 millimeters (65 in.) high and 250 millimeters (9.8 in.) in diameter.



XPS Single Cylinder Rack
058066064

Single-compartment rack accommodates one gas cylinder up to 1,650 millimeters (65 in.) high and 250 millimeters (9.8 in.) in diameter.

HydraCool® 1 028042103

5,698 Btu unit runs on 115 V. Vertically mounted coolant system provides efficient cooling of water-cooled MIG torches up to 500 amps.

Air-Cooled Interconnecting Cables

- 058019265** 2.5 m (8.2 ft.)
 - 058019266** 5 m (16.4 ft.)
 - 058019267** 10 m (32.8 ft.)
 - 058019268** 15 m (49.2 ft.)
 - 058019269** 20 m (65.6 ft.)
- For use with ST-24/44. Includes 70 mmq weld cable, control cable and gas hose.

Water-Cooled Interconnecting Cables

- 058019260** 2.5 m (8.2 ft.)
 - 058019261** 5 m (16.4 ft.)
 - 058019262** 10 m (32.8 ft.)
 - 058019263** 15 m (49.2 ft.)
 - 058019264** 20 m (65.6 ft.)
- For use with ST-24/44. Includes 70 mmq weld cable, control cable, gas and water hoses.

Ordering Information

Power Source and Options	Stock No.	Description	Qty.	Price
XPS 350	029015528	400 V, 3-phase, 50 Hz with auxiliary power, digital meters, Fan-On-Demand™ and heavy-duty work cable with clamp		
XPS 450	029015532 029015529	400 V, 3-phase, 50 Hz with auxiliary power and heavy-duty work cable with clamp 400 V, 3-phase, 50 Hz with auxiliary power, digital meters and Fan-On-Demand™ and heavy-duty work cable with clamp		
Accessories				
XPS Cylinder/Water Cooler Rack	058066065	Accommodates one gas cylinder and one coolant system		
XPS Single Cylinder Rack	058066064	Accommodates one gas cylinder		
HydraCool® 1	028042103	115 V, 5,698 Btu coolant system. See literature AYM/8.0		
ST®-24 Wire Feeder	029007432 029007433	Base model. See literature WFM/4.0 Digital model		
ST®-44 Wire Feeder	029007429 029007430	Base model. See literature WFM/51.2 Digital model		
Interconnecting Cables		For ST-24/44. See above		

Date: Total Quoted Price:

Miller recommends *Elga* consumables

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