



Powermax45[®] XP vs. the competition

Key performance and feature comparison

	Hypertherm Powermax45 [®] XP	Hypertherm Powermax45 [®]	Miller Spectrum 625 X-TREME	Victor Cutmaster 42	Lincoln Tomahawk 625	Comments
POWER						
Output current	10-45 A	20-45 A	15-40 A	20-40 A	10-40 A	With the highest kW output and the widest operating range, the Powermax45 XP is the most powerful system in its class.
kW output at max power	6.5	5.95	6.3	3.8	3.8	
Duty cycle at full output	50%	50%	50%	40%	35%	
CUT CAPACITY						
Recommended	5/8" (16 mm)	1/2" (12 mm)	5/8" (16 mm)	1/2" (12 mm)	1/2" (12 mm)	Offering a high recommended cut capacity plus the highest severance and mechanized pierce capacities in its class.
Severance	1-1/8" (29 mm)	1" (25 mm)	7/8" (22 mm)	7/8" (22 mm)	3/4" (19 mm)	
Mechanized pierce	1/2" (12 mm)	1/2" (12 mm)	Not listed	5/16" (8 mm)	3/8" (9 mm)	
GAS CONTROL						
Automatic gas adjustment	Yes	No	Yes	No	No	Smart Sense™ technology automatically adjusts gas pressure and flow for optimal performance.
Easily accessible, protected air filter regulator	Yes	No	No	No	No	A unique design protects the filter from damage while allowing easy access for maintenance.
TORCH AND CONSUMABLES						
Number of torch options	11	2	2	1	2	Offering the largest selection of torch styles, lead lengths, and consumable types, the Powermax45 XP has the versatility to help you get the job done faster with better results.
Consumable styles	7	4	3	4	3	
VOLTAGE						
Input voltage	200-240 V, 1-PH 50/60 Hz 480 V, 3-PH 50/60 Hz	200-240 V, 1-PH 50/60 Hz 480 V, 3-PH 50/60 Hz	120-240 V, 1-PH 50/60 Hz	110/230 V, 1-PH, 50/60 Hz	208-230 V, 1-PH 50/60 Hz	With a wide voltage tolerance on either single or three-phase circuits, the Powermax45 XP can operate under various power conditions.
MACHINE INTERFACE OPTIONS	Optional CPC port with 5 position, selectable voltage divider card or advanced serial port via RS-485 communication	Standard CPC port with 50-to-1 voltage divider card	Optional CNC interface	None	None	Unlike other models in its class, the Powermax45 XP is designed to interface with a variety of mechanized devices.
QUICK DISCONNECT TORCH	Yes	Yes	No	No	No	FastConnect™ torch feature makes it easy to switch between torch styles for different applications.
OPERATION WITH F5 GAS	Yes	No	No	No	No	Supported process for cutting and gouging stainless steel using F5 gas.
PRECISION GOUGING CAPABILITY	Yes	No	No	No	No	Designed to provide excellent control for gouging spot welds and for marking or scoring metal with air or argon gas.

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