
Hypertherm Powermax45 XP Plasma Cutter

PRODUCT DESCRIPTION

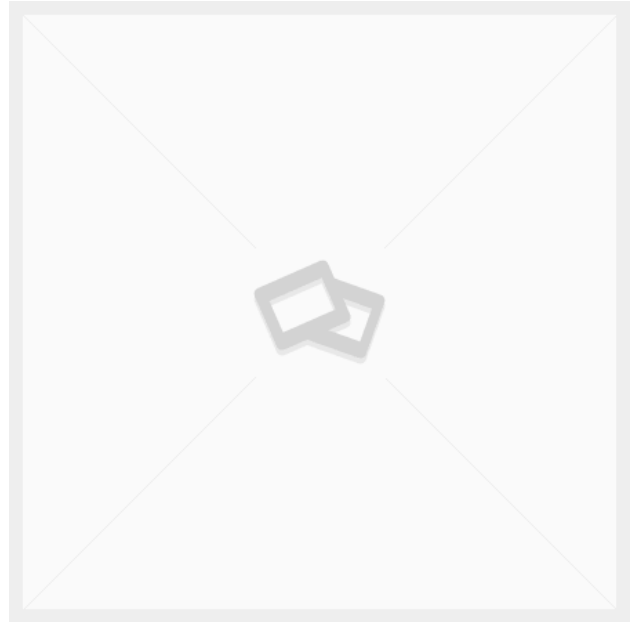
OVERVIEW

Meet the newest member of our best-selling line of Powermax portable plasma systems. The Powermax45 XP delivers increased cut capacity up to 16 mm (5/8") metal as well as faster cut speeds, and automatic gas adjustment for quick, simple setup and operation. New Duramax Lock torches support handheld and mechanized cutting a wider range of metal thicknesses, along with enhanced gouging and marking capabilities. This is the model# 088112 Plasma Unit with 50' Torch leads.

BENEFITS

Easy to use

- Small size and light weight provide exceptional portability for a 16 mm (5/8") rated cutting system
- Patented drag-cutting technology makes the Powermax45 XP easy to use even for first-time operators
- Smart Sense™ technology ensures that air



pressure is always correctly set

Outstanding versatility

- CNC interface and FastConnect™ torch connection allows both handheld and mechanized operation
- A wide range of torch styles to choose from for both handheld and automated processes
- Extensive array of application capabilities via specialty consumables for fine feature cutting, extended reach cutting, gouging, precision gouging, and marking

Maximum productivity

- Finish jobs faster, with cut speeds 1.5 times greater than oxyfuel on 6 mm (1/4") mild steel
- Superior cut and gouge quality reduces time for grinding and edge preparation
- New torch disable switch feature allows faster, easier changeout of consumables

Rugged and reliable

- Duramax Lock torches are designed for high-impact and heat resistance
- SpringStart™ technology ensures consistent starting and optimum torch performance
- Hypertherm Certified™ reliability ensures peak performance even in the most demanding environments

Designed for low environmental impact

- Plasma cutting efficiency is 11% better than its predecessor, enabling you to cut more steel with less power, in less time
- All plasma system components are recyclable
- 14% lighter than its predecessor and delivers more cutting power

SPECIFICATIONS

Input voltages (? 10%)	CSA	200 - 240 V, 1-PH, 50-60 Hz OR 480 V, 3-PH, 50-60 Hz ¹
	CE/CCC	230 V, 1-PH, 50-60 Hz OR 400 V, 3-PH, 50-60 Hz
Input current @ 6.5 kW	CSA	200 - 240 V, 1-PH, 39/32 A OR 480 V, 3-PH, 9.4 A ¹
	CE/CCC	230 V, 1-PH, 33 A OR 400 V, 3-PH, 10 A
Output current		10?45 A

**Rated output
voltage**

145 VDC

<p>Duty cycle @ 40° C (104° F)</p>	<p>CSA</p>	<p>50% @ 45 A, 200 / 240 V, 1-PH 60% @ 41 A, 200 / 240 V, 1-PH 100% @ 32 A, 200 / 240 V, 1-PH 50% @ 45 A, 480 V, 3-PH 60% @ 41 A, 480 V, 3-PH 100% @ 32 A, 480 V, 3- PH</p>
	<p>CE/CCC</p>	<p>50% @ 45 A, 230 V, 1-PH 60% @ 41 A, 230 V, 1-PH 100% @ 32 A, 230 V, 1- PH 50% @ 45 A, 400 V, 3-PH 60% @ 41 A, 400 V, 3-PH 100% @ 32 A, 400 V, 3- PH</p>

Open circuit voltage (OCV)	275 VDC (200 - 240 V, CSA/CE/CCC and 480 V, CSA) 265 VDC (400 V CE/CCC)
Dimensions with handles	442 mm (17.4") D; 173 mm (6.8") W; 357 mm (14.1") H
Weight with 6.1 m (20') torch	CSA 14 kg (31 lbs.)
	CE/CCC 15 kg (33 lbs.)
Gas supply	Cutting: air (clean, dry and oil-free), nitrogen, F5 Gouging: air (clean, dry and oil-free), nitrogen, F5 Marking: air (clean dry and oil-free) argon
Recommended gas inlet flow rate / pressure	188 l/min (400 scfh) @ 5,9 bar (90 psi)
Input power cable length	3 m (10')
Power supply type	Inverter - IGBT
Engine drive requirement	12.5 kVA (10 kW) for full 45 A output
Electrical efficiency	88%
Recyclability	100%

Certifications

CSA certified for use in the Americas and Asia, except China. CCC for use in China. CE, RCM, GOST-TR, UkrSEPRO, and Serbian AAA for use in Europe, Australia, Belarus, Kazakhstan, Russia, Serbia, Ukraine, and other countries where accepted.

Warranty

Power supply: 3-year
Torch: 1-year

1

PRODUCT DESCRIPTION

OVERVIEW

Meet the newest member of our best-selling line of Powermax portable plasma systems. The Powermax45 XP delivers increased cut capacity up to 16 mm (5/8") metal as well as faster cut speeds, and automatic gas adjustment for quick, simple setup and operation. New Duramax Lock torches support handheld and mechanized cutting a wider range of metal thicknesses, along with enhanced gouging and marking capabilities. This is the model# 088112 Plasma Unit with 50' Torch leads.

BENEFITS

Easy to use

- Small size and light weight provide exceptional portability for a 16 mm (5/8") rated cutting system
 - Patented drag-cutting technology makes the Powermax45 XP easy to use even for first-time operators
 - Smart Sense™ technology ensures that air pressure is always correctly set

Outstanding versatility

- CNC interface and FastConnect™ torch connection allows both handheld and mechanized operation
 - A wide range of torch styles to choose from for both handheld and automated processes
 - Extensive array of application capabilities via specialty consumables for fine feature cutting, extended reach cutting, gouging, precision gouging, and marking

Maximum productivity

- Finish jobs faster, with cut speeds 1.5 times greater than oxyfuel on 6 mm (1/4") mild steel
 - Superior cut and gouge quality reduces time for grinding and edge preparation
 - New torch disable switch feature allows faster, easier changeout of consumables

Rugged and reliable

- Duramax Lock torches are designed for high-impact and heat resistance
- SpringStart™ technology ensures consistent starting and optimum torch performance
- Hypertherm Certified™ reliability ensures peak performance even in the most demanding environments

Designed for low environmental impact

- Plasma cutting efficiency is 11% better than its predecessor, enabling you to cut more steel with less power, in less time
 - All plasma system components are recyclable
 - 14% lighter than its predecessor and delivers more cutting power

SPECIFICATIONS

Input voltages (? 10%)	CSA	200 - 240 V, 1-PH, 50-60 Hz OR 480 V, 3-PH, 50-60 Hz ¹
	CE/CCC	230 V, 1-PH, 50-60 Hz OR 400 V, 3-PH, 50-60 Hz
Input current @ 6.5 kW	CSA	200 - 240 V, 1-PH, 39/32 A OR 480 V, 3-PH, 9.4 A ¹
	CE/CCC	230 V, 1-PH, 33 A OR 400 V, 3-PH, 10 A
Output current	10?45 A	
Rated output voltage	145 VDC	
Duty cycle @ 40? C (104? F)	CSA	50% @ 45 A, 200 / 240 V, 1-PH 60% @ 41 A, 200 / 240 V, 1-PH 100% @ 32 A, 200 / 240 V, 1-PH 50% @ 45 A, 480 V, 3-PH 60% @ 41 A, 480 V, 3-PH 100% @ 32 A, 480 V, 3-PH
	CE/CCC	50% @ 45 A, 230 V, 1-PH 60% @ 41 A, 230 V, 1-PH 100% @ 32 A, 230 V, 1-PH 50% @ 45 A, 400 V, 3-PH 60% @ 41 A, 400 V, 3-PH 100% @ 32 A, 400 V, 3-PH
Open circuit voltage (OCV)	275 VDC (200 - 240 V, CSA/CE/CCC and 480 V, CSA) 265 VDC (400 V CE/CCC)	
Dimensions with handles	442 mm (17.4") D; 173 mm (6.8") W; 357 mm (14.1") H	

Weight with 6.1 m (20') torch	CSA	14 kg (31 lbs.)
	CE/CCC	15 kg (33 lbs.)
Gas supply	Cutting: air (clean, dry and oil-free), nitrogen, F5 Gouging: air (clean, dry and oil-free), nitrogen, F5 Marking: air (clean dry and oil-free) argon	
Recommended gas inlet flow rate / pressure	188 l/min (400 scfh) @ 5,9 bar (90 psi)	
Input power cable length	3 m (10')	
Power supply type	Inverter - IGBT	
Engine drive requirement	12.5 kVA (10 kW) for full 45 A output	
Electrical efficiency	88%	
Recyclability	100%	
Certifications	CSA certified for use in the Americas and Asia, except China. CCC for use in China. CE, RCM, GOST-TR, UkrSEPRO, and Serbian AAA for use in Europe, Australia, Belarus, Kazakhstan, Russia, Serbia, Ukraine, and other countries where accepted.	
Warranty	Power supply: 3-year Torch: 1-year	

