

# Hypertherm®

## Powermax30® XP

Professional-grade plasma system for handheld cutting 3/8" metal.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	3/8"	20 ipm
	1/2"	10 ipm
Severance	5/8"	5 ipm

### Easy-to-use, two-in-one design

- High-power cutting on thick metal plus FineCut® consumables for detailed, thin metal cutting.
- Plug into any 120 or 240 V power with Auto-Voltage™ technology and included plug adapters.

### Finish jobs faster

- 50% increase in cutting power\* for fast cut speeds.
- Less edge preparation – patented consumables designs provide superior cut quality.
- Twice the consumable life\* and 70% more efficient on average for lower cost of cutting.

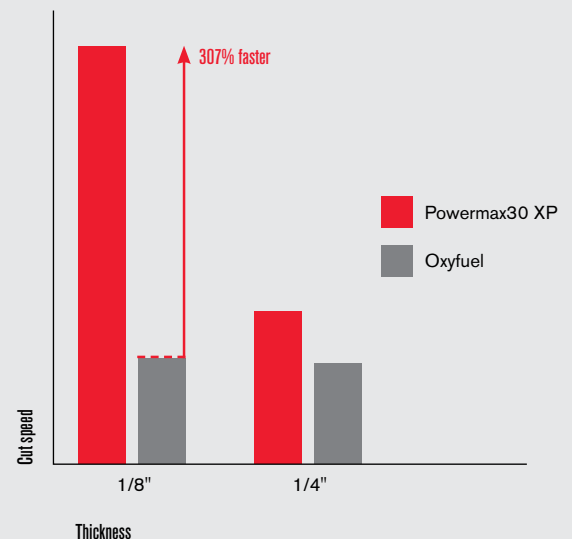
### Rugged and reliable

- New Duramax™ LT torch designed to withstand impact and heat.
- Hypertherm Certified™ reliability ensures performance in the most demanding environments.
- Durable carrying case protects the system and gear.



Duramax LT hand torch

### Relative cut performance on mild steel



\*compared to Powermax30

### System includes

- Power supply, 15' Duramax LT hand torch with standard consumables, 15' work clamp
- 240 V/20 A plug with adapters for 120 V/15 A and 240 V/20 A circuits
- Operator and safety manuals
- Consumable kit with 1 standard nozzle, 1 electrode, 1 FineCut nozzle and 1 FineCut deflector
- Plastic carry case
- Carrying strap
- Leather gloves
- Shade 5 glasses



### Ordering information

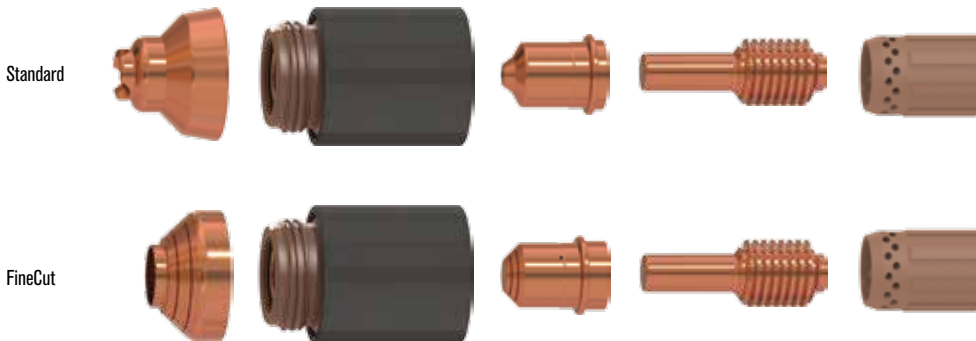
Power supply	System part number with 15' Duramax LT torch
120-240 V	088079

### Torch consumable parts

Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle and electrode pack	Swirl ring
Standard	Hand	30	420116	420114	428243 <sup>1</sup>	420211
FineCut	Hand	30	420115		428244 <sup>2</sup>	

<sup>1</sup> Includes 2 standard nozzles (420118) and 2 electrodes (420120).

<sup>2</sup> Includes 2 FineCut nozzles (420117) and 2 electrodes (420120).



#### All-in-one consumable kit

All-in-one kits provide a sampling of all of the consumables available for your Powermax system. Experience the versatility of your system, while purchasing consumables at lower cost. Made in U.S.A.

851390 Powermax30 XP kit

## Specifications

Input voltages	120-240 V, 1-PH, 50/60 Hz
Input current @ 3.8 kW	120-240 V, 1-PH, 25-18.8 A
Output current	15-30 A
Rated output voltage	125 VDC
Duty cycle @ 40° C (104° F)	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	14.0" D; 6.6" W; 12.0" H
Weight w/15' torch	21.4 lbs
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	4 scfm @ 80 psi
Input power cable length	10'
Power supply type	Inverter - IGBT
Engine drive requirement	5.5 kW for full 30 A output
Certifications	CSA-certified for use in the Americas and Asia, except China.
Warranty	Power supply: 3-year Torch: 1-year

## Cutting with 120 V input power

Use FineCut nozzle and deflector for cutting at 120 V input power. When operating at the maximum recommended output of 25 A, the cut capacities are:

- 1/4" at 19 ipm
- 3/8" at 8 ipm
- 1/2" at 3 ipm

## Common applications

HVAC, agricultural, property/plant maintenance, fire and rescue, general fabrication, plus:



Home hobby and metal art



Vehicle repair and modification

## Recommended Hypertherm genuine accessories



### Face Shield

Clear face shield with flip-up shade for cutting and grinding. Safety shield included. ANSI Z87.1, CSA Z94.3, CE

127239 Face shield shade 6  
127103 Face shield shade 8



### Air filtration kit

A ready-to-install kit with a 1-micron filter and an auto drain moisture separator protects against contaminated air. Made in U.S.A.

128647 Eliminator filter



### Durafit cutting gloves

Designed to offer maximum dexterity and fine-motor control. Fire resistant goatskin leather and stretch Nomex® backhand. Reinforced leather in wear areas. Made in U.S.A.

017037 Medium  
017038 Large  
017039 X-large  
017040 2X-large



### System dust covers

Made from a flame-retardant vinyl, a dust cover will protect your Powermax system for years. Made in U.S.A.

127144 Cover, Powermax30/30 XP



### Circle cutting guides

Quick and easy set up for accurate circles up to 28" diameter. For optional use as a stand-off guide for straight and bevel cuts. Made in U.S.A.

127102 Basic kit – 15" arm, wheels and pivot pin  
027668 Deluxe kit – 11" arm, wheels, pivot pin, anchor base and plastic case



### System carry case

Rugged case for protecting and storing the Powermax30 or 30 XP and accessories. Made in U.S.A.

127410 Case, Powermax30/30 XP

Engineered and assembled in the USA

ISO 9001:2008

Environmental stewardship is a core value of Hypertherm. Our Powermax products are engineered to meet and exceed global environmental regulations including the RoHS directive.



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**Hypertherm**<sup>®</sup>  
**Cut with confidence**<sup>®</sup>

