

# Hypertherm®

## Powermax30® XP

Professional-grade plasma system for handheld cutting 10 mm metal.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	10 mm	500 mm/min
	12 mm	250 mm/min
Severance	16 mm	125 mm/min

### 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.

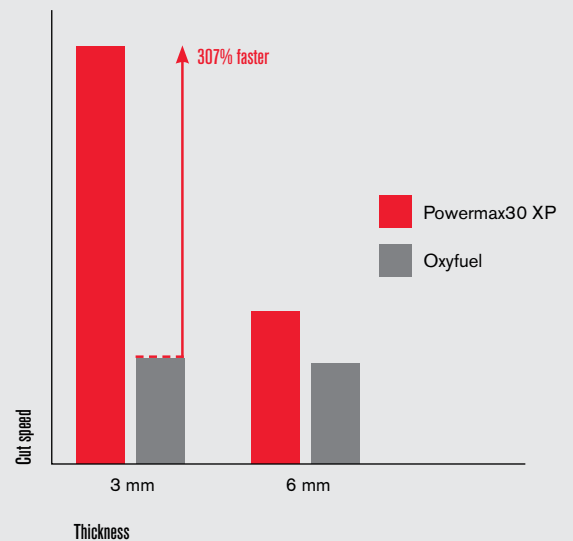
### Rugged and reliable

- New Duramax™ LT torch designed to withstand impact and heat.
- Hypertherm Certified™ reliability ensures performance in the most demanding environments.
- Optional 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, 4,5 m Duramax™ LT hand torch with standard consumables, 4,5 m work clamp
- Operator and safety manuals
- Consumable kit with 1 standard nozzle, 1 electrode, 1 FineCut® nozzle and 1 FineCut deflector
- Carrying strap

### Ordering information

Power supply	System part number with 4,5 m Duramax LT torch	System part number with 4,5 m Duramax LT torch carry case, gloves and shade 5 glasses
120-240 V	088082	088083

### Torch consumable parts

Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle	Electrode	Swirl ring
Standard	Hand	30	420116	420114	420118	420120	420211
FineCut	Hand	30	420115	420114	420117	420120	420211
HyAccess™	Hand	30		420148	420144 (cutting) 420147 (gouging)	420137	220670

Electrodes and nozzles are sold in packs of five, as well as combination packs of 2 electrodes and 2 nozzles.

Description	Part number
Standard combo pack	428243
FineCut combo pack	428244

### Consumable kits



#### Essential consumable kit

Essential kits provide a convenient assortment of standard consumables for your Powermax system. The storage case protects and organizes your consumables and provides part number information for ease of reordering your consumables.

851479 Powermax30 XP kit



#### HyAccess consumable kit

Uniquely designed for accessibility, the patented HyAccess™ extended consumables provide the extra reach needed when cutting or gouging in hard to reach or confined spaces.

428337 HyAccess consumable kit



## Specifications

Input voltages	120-240 V, 1-PH, 50/60 Hz
Input current @ 3,8 kW	120-240 V, 1-PH, 25,5-18,8 A
Output current	15-30 A
Rated output voltage	125 VDC
Duty cycle @ 40° C	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	356 mm D; 140 mm W; 292 mm H
Weight w/4,5 m torch	9,5 kg
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	113,3 l/min @ 5,5 bar
Input power cable length	3 m
Power supply type	Inverter – IGBT
Engine drive requirement	5,5 kW for full 30 A output
Certifications	CE, C-Tick, CU/GOST, Ukr, and Serbian – for use in Europe, Australia, Belarus, Kazakhstan, Russia, Serbia, Ukraine, and other countries where accepted.
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:

- 6 mm at 482 mm/min
- 10 mm at 203 mm/min
- 12 mm at 76 mm/min

## Common applications

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



Agricultural



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.

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.

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.

127144 Cover, Powermax30/30 XP



### Circle cutting guides

Quick and easy set up for accurate circles up to 70 cm diameter. For optional use as a stand-off guide for straight and bevel cuts.

127102 Basic kit – 38 cm arm, wheels and pivot pin

027668 Deluxe kit – 28 cm 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.

127410 Case, Powermax30/30 XP

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.



Hypertherm, Powermax, Duramax and FineCut are trademarks of Hypertherm Inc. and may be registered in the United States and/or other countries. All other trademarks are the properties of their respective owners.

© 1/2016 Hypertherm Inc. Revision 2  
86048D

**Hypertherm**<sup>®</sup>  
SHAPING POSSIBILITY™

