

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.

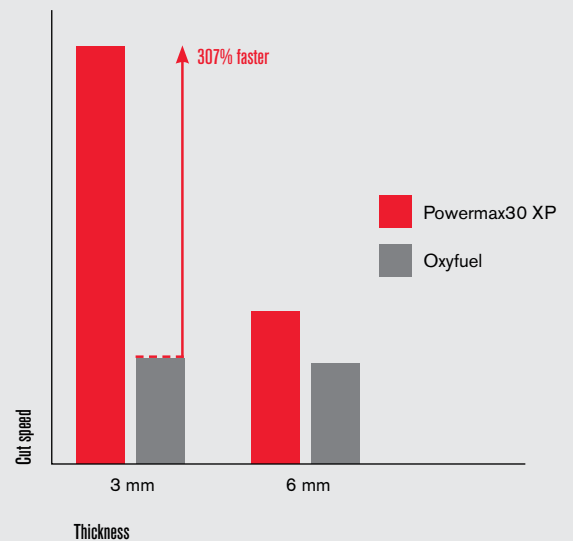
Rugged and reliable

- 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



All-in-one consumable kit

All-in-one kits provide a convenient assortment of standard consumables for your Powermax system. Experience the versatility of your system, while purchasing consumables at a lower cost.

851390 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, 25-18,8 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	9,7 kg/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.



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