Hypertherm®

Powermax30® XP

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

Duramax LT hand torch

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.

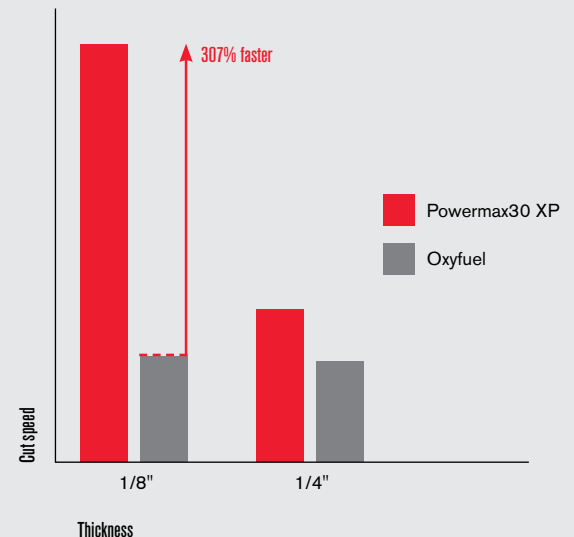▪ Twice the consumable life* and 70% more efficient on average for lower cost of cutting.

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.

Relative cut performance on mild steel

307% faster

Powermax30 XP

Oxyfuel

Cut speed

1/8"   1/4"

Thickness

*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	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. Made in USA.

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 (104° F)	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	14.0" D; 5.5" W; 11.5" 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

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 USA.

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

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 USA.

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

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 USA.

128647 Eliminizer filter

System dust covers

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

127144 Cover, Powermax30/30 XP

Pocket level and tape holder

Magnetic base and tape holder with built-in level. Made in USA.

017044 Pocket level and tape holder

Engineered and assembled in the USA

ISO 9001:2008

Hypertherm®
SHAPING POSSIBILITY™