

Hypertherm®

powermax30®

Handheld plasma system for cutting metal

	Thickness	Cut speed
Handheld cut capacity		
Recommended	1/4" (6 mm)	20 ipm (500 mm/min)
	3/8" (10 mm)	10 ipm (250 mm/min)
Severance	1/2" (12 mm)	5 ipm (125 mm/min)

Key power supply advantages

- Small size and light weight provide excellent portability.
- Boost Conditioner™ compensates for input voltage variations, providing improved performance on low-line voltage, on motor generators and on fluctuating input power.
- Auto-voltage™ automatically adapts to any incoming power from 120 V – 230 V, single phase.
- Plug adapters provide improved versatility from the shop, to home, to the field.

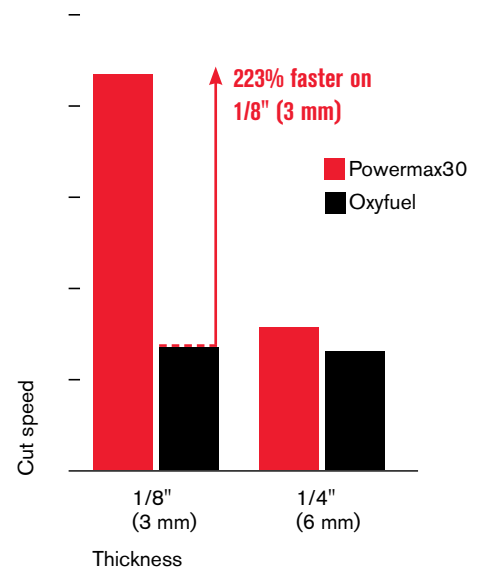
Key torch advantages

- Tapered 75-degree torch provides excellent arc visibility, control, and access to hard-to-reach applications.
- FineCut-like quality on thin material, while still delivering full performance on thicker metals.
- HyLife® electrode technology extends consumable life and lowers operating cost.
- Rapid refire delivers fast cut speeds on expanded metal.



T30v hand torch

Relative cut performance on mild steel



Specifications

Input voltages	CSA 120 – 230 V, 1-PH, 50/60 Hz
Input current @ 2.49 kW	CSA 120 – 230 V, 1-PH, 26 – 13.5 A
Output current	15 – 30 A
Rated output voltage	83 VDC
Duty cycle @ 40° C (104° F)	CSA 50%, 230 V 35%, 120 V
Open circuit voltage (OCV)	240 VDC
Dimensions with handles	356 mm (14.0") D; 168 mm (6.6") W; 305 mm (12.0") H
Weight with 4.5 m (15') torch	CSA 9.7 kg (20 lbs)
Gas supply	Air or N ₂
Recommended gas inlet flow rate / pressure	113 l/min (240 scfh, 4 scfm) @ 5.5 bar (80 psi)
Input power cable length	3 m (10')
Power supply type	Inverter – IGBT

Engine-driven generator operation

Engine drive rating (kW)	System output (amps)	Performance (arc stretch)
5.5	30	Full
4	25	Limited

Cut chart

Material	Thickness		Current (amps)	Maximum cut speed ¹	
	(mm)	(inches)		(mm/min)	(ipm)
Mild steel	1	18 GA	30	10007	394
	3	10 GA	30	2210	87
	5	3/16	30	1321	52
	6	1/4	30	838	33
	10	3/8	30	381	15
Stainless steel	1	18 GA	30	10135	399
	3	10 GA	30	1981	78
	6	1/4	30	660	26
	10	3/8	30	279	11
Aluminum	1	18 GA	30	5613	221
	3	10 GA	30	1397	55
	6	1/4	30	610	24
	10	3/8	30	279	11

¹ Maximum cut speeds are the results of Hypertherm's laboratory testing. For optimum cut performance, actual cutting speeds may vary based on different cutting applications. Refer to the operator manual for more details.

Ordering information

Input voltages	System part numbers with 4.5 m (15') T30v torch	
	Standard system	Deluxe system
120 – 230 V CSA	088003	088004

Torch consumable parts

Consumable type	Torch type	Amperage	Nozzle	Shield/Deflector	Retaining cap	Electrode	Swirl ring
Drag-cutting	Hand	30	220480	220569	220483	220478	220479

Standard system includes:

- Power supply with "Building America" decal
- T30v hand torch and 4.5 m (15') lead with Velcro® straps
- Work cable with clamp, 4.5 m (15')
- Hypertherm carrying strap
- 240 V/20 A plug with adapters for 120 V/15 A and 240 V/20 A circuits
- Operator manual and instructional DVD
- Two extra nozzles and electrodes plus a deflector
- Heavy duty canvas carrying bag

Deluxe system includes:

- Power supply
- T30v hand torch and 4.5 m (15') lead with Velcro® straps
- Work cable with clamp, 4.5 m (15')
- Hypertherm carrying strap
- 240 V/20 A plug with adapters for 120 V/15 A and 240 V/20 A circuits
- Operator manual and instructional DVD
- Three extra nozzles and electrodes plus a deflector, swirl ring and retaining cap
- Rugged plastic carry case with foam inserts
- Plasma cutting guide for accurate circles and lines
- Gloves

Hypertherm®

Cut with confidence®

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For more information, contact your authorized Hypertherm dealer or visit www.hypertherm.com.

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

Power supplies have a 3-year warranty and torches have a 1-year warranty.



Engineered and assembled in the USA

ISO 9001:2008