

# Hypertherm®

## Powermax30® AIR

Professional-grade plasma system with internal air compressor for high portability and easy metal cutting.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	8 mm	500 mm/min
	10 mm	250 mm/min
Severance	16 mm	125 mm/min

### Easy-to-setup and operate

- Operate it anywhere with the internal air compressor.
- Plug into any 120 or 240 V power with Auto-Voltage™ technology and included plug adapters.
- Highly portable. The smallest, lightest weight system in its class.

### Finish jobs faster

- Do more in less time. Fast cutting speeds and superior cut quality result in less secondary operations.
- Quickly cut metal grate or rusted metal without retriggering with the continuous pilot arc feature.
- One tool to cut a variety of metal types and thicknesses.

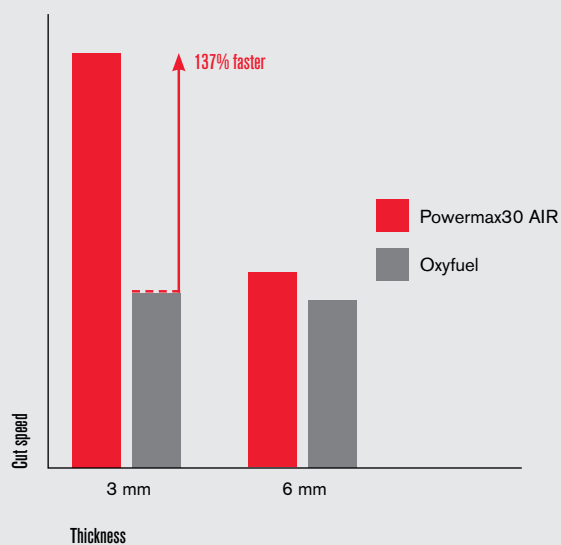
### Rugged and reliable

- New AIR T30 torch is rugged and designed to withstand the toughest environments.
- Robust internal air compressor eliminates the costs associated with an external compressor.
- Hypertherm Certified™ reliability ensures performance in the most demanding environments



AIR T30 hand torch

### Relative cut performance on mild steel



### System includes

- Power supply, AIR T30 hand torch with 4,5 m lead and work clamp with 4,5 m lead
- Operator and safety manuals
- 1 nozzle and 1 electrode
- Carrying strap

### Ordering information

Power supply	System part number with 4,5 m AIR T30 torch
120-240 V	088098

### Torch consumable parts

Consumable type	Torch type	Amperage	Shield/Deflector	Retaining cap	Nozzle	Swirl ring	Electrode
Standard	Hand	30	420399	420135	420134	420133	420132

Electrodes and nozzles are sold in packs of five, as well as combination packs of 2 electrodes and 2 nozzles (part number 428350)



### High performing technology

The new patent-pending consumable designs enable consistent cutting by optimizing the air flow from the compact, internal compressor. Coupled with the highly effective moisture removal system, the Powermax30 AIR provides great cut quality and performance in hot and humid conditions.

### Customer testimonial

“Because our company provides service in very remote places where the access for air compressors is very limited, the portability of the Powermax30 AIR with the internal compressor, makes it ideal for field services. It also eliminates the need for oxyfuel cutting, consequently reducing the cost and increasing the productivity of the cutting process.”

Diego Nunes Fernando, BNG Metalmecânica, Brazil



## Specifications

Input voltages	120-240 V, 1-PH, 50/60 Hz
Input current @ 2,5 kW	120-240 V, 1-PH, 29-15 A
Output current	15-30 A
Rated output voltage	83 VDC
Duty cycle @ 40° C	35%, 240 V 20%, 120 V
Open circuit voltage (OCV)	256 VDC
Dimensions with handles	420 mm D; 195 mm W; 333 mm H
Weight w/4,5 m torch	13,5 kg
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

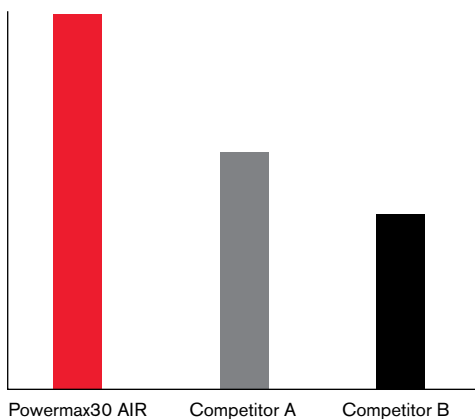
At the maximum recommended output of 20 A, the cut capacities are:

- 3 mm at 762 mm/min
- 6 mm at 355 mm/min
- 10 mm at 125 mm/min

## Superior performance with high portability

Compared to competitive models with internal compressors, the Powermax30 AIR has the highest power-to-weight ratio which means it has the most cutting power in the lightest weight design.

## Amps/weight



## Common applications

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



Construction



Vehicle repair and modification



Agricultural

## 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



### Flip-up eyeshades

Shade 5 (for <40 A) flip-up shade, anti-scratch lens and adjustable frame. ANSI Z87.1, CSA Z94.3, CE.

017033 Flip-up eyeshades



### Hyamp™ cutting and gouging gloves

Insulated for heavy duty applications. Gun-cut palm design with seamless trigger finger and extended cuff provide flexibility and protection.

017025 Medium  
017026 Large  
017027 X-large  
017028 2X-large



### System dust covers

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

127469 Cover, Powermax30 AIR



### 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



### Pocket level and tape holder

Magnetic base and tape holder with built-in level.

017044 Pocket level and tape holder

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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