

Hypertherm *Plasma* Powermax 85

Key Benefits

- Fast efficient cutting of most metals
- Superior cut quality
- Superior drag-cutting technology ensures easy operation - even for inexperienced operators
- Long life torch parts for unmatched economy
- Reliable proven design made in USA
- 3 year machine warranty
- Portable only 28kg
- Industrial quality for high cycle operation

High performance
cutting of most metals



Standard Hand Cutting Torch



Optional Gouging Torch



Optional Machine Torch



APPLICATIONS

- Agriculture
- Manufacturing
- PlasmaCAM and Samson robotic plasma tables
- Repair and maintenance
- Sheetmetal
- Scrap metal
- Gouging

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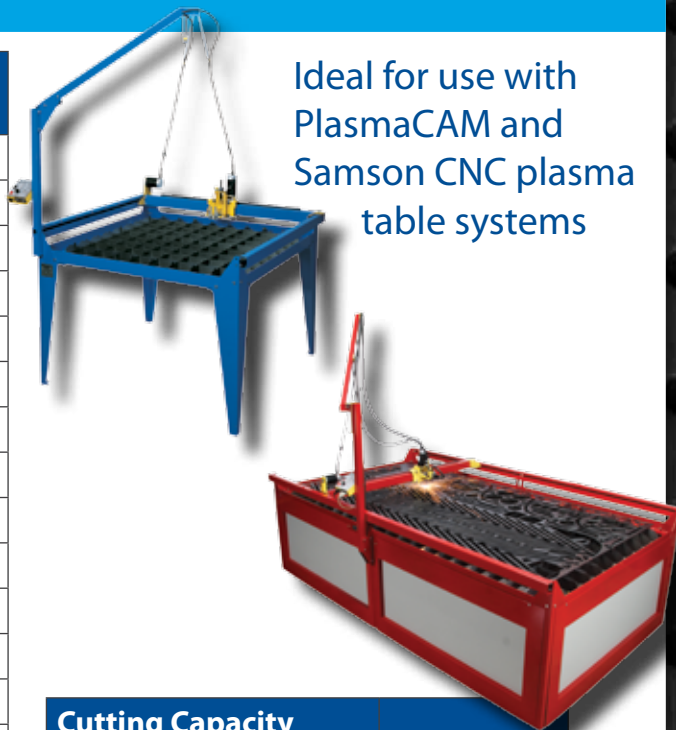
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**JAYMAC***...simply easier***HYPERTHERM**

Hypertherm Powermax 85

Material	Thickness (mm)	Maximum cut speed (mm/min)
Mild Steel	1.6	9200
	3.0	5000
	6.0	5300
	12	2000
	19	920
	25	560
	32	350
Stainless Steel	1.6	9200
	3.0	5850
	6.0	5850
	12	1750
	19	770
	25	485
Aluminium	2.0	9000
	6.0	6200
	12	2400
	19	1170
	25	670



Ideal for use with
PlasmaCAM and
Samson CNC plasma
table systems

Cutting Capacity

Recommended	25mm
Maximum	32mm
Severance	38mm
Pierce (mechanised)	16mm

Specifications

Input voltage/Input current	415v 3 phase/19.5 amps
Output current	25-85 amps
Duty Cycle @ 40°C	85 amps @ 60%
Dimensions (L x W x H)	500 x 234 x 455 mm
Weight with torch	28 kg
Air supply flow rate	189 l/min
Generator requirement	20 - 25 kva
Warranty*	Full 3 year power supply 1 year torch

Capacity Ratings for mild steel

Recommended: Good cut quality at speeds of at least 500mm per minute.

Maximum: good cut quality at speeds of up to 250mm per minute

Severance: Thickness which can be reasonably severed at low speed with poor cut quality

Pierce (mechanised) Maximum thickness that can be effectively pierced when used on a CNC plasma cutting table system such as plasmaCAM or Samson.

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