

# Hypertherm®

## Powermax65®

Professional-grade plasma metal cutting and gouging system for handheld cutting 20 mm and mechanized piercing 16 mm.



Capacity	Thickness	Cut speed
Cutting		
Recommended	20 mm	500 mm/min
	25 mm	250 mm/min
Severance (hand cutting)	32 mm	125 mm/min
Pierce*	16 mm	

\* Pierce rating for handheld use or with automatic torch height control

Capacity	Metal removal rate	Groove profile
Gouging		
Typical gouge	4,8 kg per hour	3,5 mm D x 6,6 mm W

### Maximum productivity

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 12 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.

### Easy-to-use for cutting and gouging

- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Drag cut at full output with a patented shield that reduces dross buildup for smoother cutting.
- Tackle different jobs with multiple, easy-to-use torch styles.

### Low operating costs

- Reduce costs with long consumable life and more uptime.
- High power efficiency lowers energy consumption.

### Built and tested to withstand the harshest conditions

- Duramax™ torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Low maintenance for maximum uptime.

### Duramax standard torch styles

(for more torch options, see [www.hypertherm.com](http://www.hypertherm.com))



75° hand torch



15° hand torch

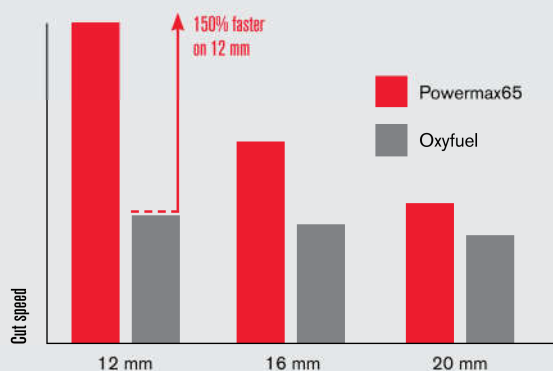


180° mini machine torch



180° full-length machine torch

### Relative cut performance on mild steel



## Specifications

Input voltages	400 V, 3-PH, 50/60 Hz
Kilowatt output	9 kW
Input current @ 9 kW	380/400 V, 3-PH, 15,5/15 A
Output current	20–65 A
Rated output voltage	139 VDC
Duty cycle @ 40° C	50% @ 65 A 100% @ 46 A
Open circuit voltage (OCV)	270 VDC
Dimensions with handles	500 mm D; 234 mm W; 455 mm H
Weight w/7,6 m torch	26 kg
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 189 l/m @ 5,6 bar Gouging: 212 l/m @ 4,8 bar
Input power cable length	3 m
Power supply type	Inverter – IGBT
Engine drive requirement	15 kW for full 65 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 supplies have a 3-year warranty and torches a 1-year warranty



## Ordering information

Below are the standard system configurations, which include a power supply, torch and work cable. Additional mechanized configurations are listed on our web site.

	75° hand torch		75° and 15° hand torch		180° full-length machine torch						180° full-length machine torch and 75° hand torch	
	7,6 m		7,6 m	15,2 m	7,6 m			15,2 m			7,6 m	
		with Eliminator filter and cover			without remote pendant	with remote pendant	without remote pendant	with I/O cables (no pendant)	with remote pendant	without remote pendant	with I/O cables (no pendant)	with remote pendant
Standard power supply	083279	083282	083280									
Power supply with CPC port and voltage divider	083284		083285	083309	083310	083286	083293		083287			083301
Power supply with CPC port, voltage divider, and serial port								083304			083306	





**VINCENT INDUSTRIAL SUPPLIES**

P.O. BOX 1249  
WITBANK  
1035

48 INDUSTRIA CRESCENT  
EXTENSION 25  
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WEBSITE: <http://www.vincentis.co.za>

R.D. VINCENT (PTY) LTD REG. NO. 1975/004192/97 Trading as:

TEL: 013 692 8151/2/3  
FAX: 013 692 8154  
dennis@vincentis.co.za