

Hypertherm®

New

Powermax45® XP

Professional-grade plasma system for cutting 16 mm thick metal, gouging, and marking.



Capacity	Thickness	Cut speed
	Cutting	
Recommended	16 mm	500 mm/min
	22 mm	250 mm/min
Severance (hand cutting)	29 mm	125 mm/min
Pierce*	12 mm	

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

Capacity	Metal removal rate	Groove profile
	Gouging	
Typical gouge	3,4 kg per hour	3,2 mm D x 6,8 mm W

Easy-to-use with versatile design

- Small size and light weight provides exceptional portability for a 16 mm rated cutting system.
- Handheld and mechanized usage with CNC interface and FastConnect™ torch connection.
- Patented drag-cutting technology makes it easy to use – even for first-time operators.
- Tackle different jobs with multiple, easy-to-use torch styles.
- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Mark, score and make precision gouges with new low amp process.

Maximum productivity

- Finish jobs faster with cut speeds one and a half times greater than oxyfuel on 6 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Fast change out of consumables using the new torch disable switch feature.

Rugged and reliable

- Duramax® Lock torches are designed for high-impact and heat resistance.
- SpringStart™ technology ensures consistent starting and a more reliable torch.
- Hypertherm Certified™ reliability ensures performance in the most demanding environment.

Duramax Lock standard torch styles

(for more torch options, see www.hypertherm.com)



Duramax Lock 75° hand torch

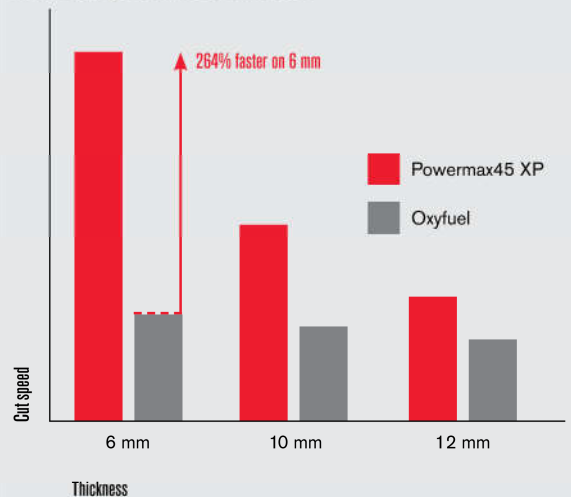


Duramax Lock 15° hand torch



Duramax Lock machine torch

Relative cut performance on mild steel



R.D. VINCENT (PTY) LTD REG. NO. 1975/004192/07 Trading as:

VINCENT INDUSTRIAL SUPPLIES

P.O. BOX 1249 WITBANK 1035	48 INDUSTRIA CRESCENT EXTENSION 25 WITBANK	TEL: 013 692 8151/2/3 FAX: 013 692 8154 dennis@vincentis.co.za
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WEBSITE: <http://www.vincentis.co.za>

Specifications

Input voltages ($\pm 10\%$)	230 V, 1-PH, 50–60 Hz 400 V, 3-PH, 50–60 Hz
Input current @ 6,5 kW	230 V, 1-PH, 33 A 400 V, 3-PH, 10 A
Output current	10–45 A
Rated output voltage	145 VDC
Duty cycle @ 40° C	50% @ 45 A, 230 V, 1-PH 60% @ 41 A, 230 V, 1-PH 100% @ 32 A, 230 V, 1-PH 50% @ 45 A, 400 V, 3-PH 60% @ 41 A, 400 V, 3-PH 100% @ 32 A, 400 V, 3-PH
Open circuit voltage (OCV)	275 VDC (230 V, CE/CCC) 265 VDC (400 V CE/CCC)
Dimensions with handles	442 mm D; 173 mm W; 357 mm H
Weight with 6,1 m torch	15 kg
Gas supply	Cutting: air (clean, dry and oil-free), nitrogen, F5 Gouging: air (clean, dry and oil-free), nitrogen, F5 Marking: air (clean, dry and oil-free), argon
Recommended gas inlet flow rate/pressure	188 l/min @ 5,9 bar
Input power cable length	3 m
Power supply type	Inverter – IGBT
Engine drive requirement	12.5 kVA (10 kW) for full 45 A output
Electrical efficiency	88%
Recyclability	100%
Certifications	CCC for use in China. CE, RCM, CU/GOST-TR, UkrSEPRO, and Serbian AAA for use in Europe, Australia, Belarus, Kazakhstan, Russia, Serbia, Ukraine, and other countries where accepted.
Warranty	Power supply: 3-year Torch: 1-year

Common applications

Property/plant maintenance, HVAC and mechanical contracting, general fabrication, plus:



Construction



Maintenance and repair



Agricultural and farm equipment maintenance

Ordering information

Below are common system configurations which include a power supply, torch, and work cable. Additional configurations are available or a custom configuration can be made. See the next page for details.

	Voltage configuration	75° hand torch		75° and 15° hand torch	180° full-length machine torch							
		6,1 m lead	15,2 m lead	6,1 m leads	7,6 m lead		10,6 m lead	15,2 m lead				
				without remote pendant	with remote pendant	without remote pendant	with I/O cables (no pendant)	with remote pendant	with remote pendant	without remote pendant	with I/O cables (no pendant)	
Power supplies												
Standard power supply	230 V	088130	088132									
Power supply with CPC port and voltage divider	230 V	088131	088133		088134	088141		088135	088136			
Power supply with CPC port, voltage divider, and serial port	230 V						088139					088140
Standard power supply	400 V	088144	088146									
Power supply with CPC port and voltage divider	400 V	088145	088147		088148	088155		088149	088150			
Power supply with CPC port, voltage divider, and serial port	400 V						088153					088154



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