Hypertherm®

Powermax125®

Professional-grade plasma metal cutting and gouging system for handheld cutting 38 mm and mechanized piercing 25 mm.

Capacity	Thickness	Cut speed
	Cutting	
Recommended	☒ mm	☒5☒ mm☒min
	☒☒ mm	250 mm☒min
Severance ☒hand cutting☒	5☒ mm	125 mm☒min
Pierce☒	25 mm	

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

Capacity	Metal removal rate	Groove profile*
	☒ouging	
Typical gouge	12☒2 kg☒hr	☒☒ mm ☒☒☒ mm D x ☒☒ mm ☒☒☒ mm W

☒Actual groove profile varies with torch angle, arc stretch, and technique

Maximum productivity
- Finish jobs faster with cut speeds 5 times greater than oxyfuel on 12 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- Maximize your cutting time with 100% duty cycle.

Low operating costs
- Reduce costs with consumable life up to four times longer than other systems in this amperage range.
- Electrode end-of-life detection protects the torch and workpiece from damage by automatically stopping power when the electrode is overused.

Easy-to-use for cutting and gouging
- No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- Tackle different jobs with multiple, easy-to-use torch styles.

Built and tested to withstand the harshest conditions
- Duramax™ Hyamp 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
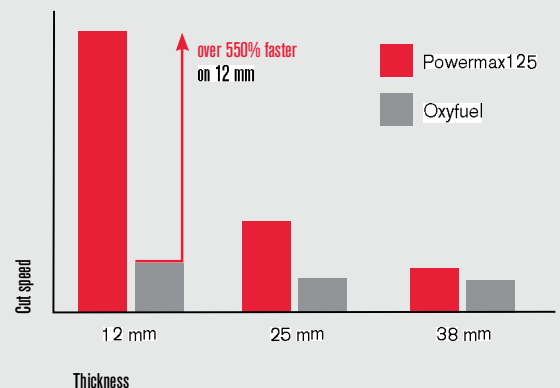☒for more torch options☒ see www☒hypertherm☒com☒

☒5☒ hand torch

15☒ hand torch

1☒☒ mini machine torch

1☒☒ full-length machine torch

Relative cut performance on mild steel

over 550% faster on 12 mm

Powermax125
Oxyfuel

Cut speed

12 mm   25 mm   38 mm

Thickness

Specifications

⬚put voltages	⬚00 ⬚⬚⬚-PH⬚50⬚⬚0 H⬚
⬚put current ⬚ 21⬚ kW	⬚00 ⬚⬚⬚-PH⬚⬚⬚A
Output current	⬚⬚⬚25 A
Rated output voltage	1⬚5 ⬚0C
Duty cycle ⬚ ⬚0⬚C	100% ⬚ 125 A⬚⬚00 ⬚⬚⬚-PH
Open circuit voltage ⬚0 C⬚⬚⬚	⬚05 ⬚0C
Dimensions with handles	5⬚2 mm D⬚2⬚⬚mm W ⬚50⬚mm H
Weight w⬚⬚⬚⬚m torch	⬚⬚⬚kg
⬚as supply	Clean⬚dry⬚oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting⬚2⬚0 l⬚min ⬚ ⬚5⬚ bar ⬚ouging⬚212 l⬚min ⬚ ⬚⬚ bar
⬚put power cable length	⬚m
Power supply type	⬚verter ⬚⬚⬚BT
Engine drive re⬚uirement	⬚0 kW for full 125 A output
Certifications	CE⬚C-Tick⬚C⬚⬚⬚OST⬚⬚kr⬚and Serbian ⬚ for use in Europe⬚Australia⬚Belarus⬚ ⬚a⬚akhstan⬚Russia⬚Serbia⬚⬚kraine⬚and other countries where accepted⬚
Warranty	Power supplies have a ⬚-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.

Power supplies	⬚5⬚ hand torch		⬚5⬚and 15⬚ hand torch		1⬚0⬚full-length machine torch							1⬚0⬚full-length machine torch and ⬚5⬚hand torch
	⬚⬚m	15⬚2 m	⬚⬚m	15⬚2 m	⬚⬚m				15⬚2 m			15⬚2 m ⬚⬚⬚m
			without remote pendant	with remote pendant	without remote pendant	with ⬚⬚0 cables ⬚no pendant⬚	with remote pendant	without remote pendant	with ⬚⬚0 cables ⬚no pendant⬚	with remote pendant
Power supply with CPC port and voltage divider	05⬚52⬚	05⬚52⬚	05⬚52⬚	05⬚5⬚2	05⬚5⬚0			05⬚5⬚1			05⬚52⬚
Power supply with CPC port⬚voltage divider⬚ and serial port					05⬚5⬚2	05⬚5⬚⬚		05⬚5⬚⬚	05⬚5⬚5	

Custom configurations (select power supply, torch, consumable kit, work cable, and other components)

Power supply options

	Power supply with CPC port and voltage divider	Power supply with CPC port, voltage divider, and serial port
□0□CE	05□□□□	05□□□□

Starter kit consumable options

	Handheld	Mechani□ed	Mechani□ed with ohmic retaining cap
□it	□2□0□□	□2□100	□2□101

Torch options

Cable length	Hand torches		Machine torches		Robotic torches [1]			Long torches [1]			
	□5□	15□	1□□	Mini 1□□	□5□	□□□	1□□	0□□m □5□	0□□m □□□	1□ m □5□	1□ m □□□
□□ m			05□51□	05□51□							
□□ m	05□□□2	05□□□5	05□520	05□515	05□5□□	05□5□5	05□5□□	05□5□2	05□5□□	05□5□□	05□5□□
10□ m			05□521	05□51□							
15□ m	05□□□□	05□□□□	05□522	05□51□				05□5□□	05□5□0	05□5□1	05□5□2
22□ m	05□□□□	05□□□□	05□52□								

[1] Available □1 201□□

Cable options

Cable length	Work cables				Control cables				
	Hand clamp	C-style clamp	Ring terminal	Remote pendant	C□C□spade connector□ divided voltage	C□C□spade connector□no divided voltage	C□C□D-sub connector□ divided voltage	RS-□□5 Serial comm□ unterminated	RS-□□5 Serial comm□ D-sub
□□ m	22□□2	22□□□□	22□□□5	12□□50	22□□50	02□20□	22□□□□	22□2□□	22□2□□
15□ m	22□□□□	22□□□□	22□□□□	12□□51	22□□51	02□2□□	12□□□□	22□2□□	22□2□0
22□ m	22□2□□	22□□00	22□□□□	12□□52					

Torch consumable parts

□o□□les and electrodes are available in various □uantities□Contact your distributor for more information□

Consumable type	Torch type	Amperage	□o□□le	Shield□ **Deflector**	Retaining cap	Swirl ring	Electrode
Drag-cutting	Hand	□5	□2015□	□201□2	220□□□	220□□□	220□□1
		□5	□201□□	□201□2			
		125	220□□5	□20000			
Mechani□ed	Machine	□5	□2015□	□201□□	220□□□ or □2015□[2]	220□□□	220□□1
		□5	□201□□	□201□□			
		125□05	220□□5	220□□□			
□neCut□	Hand Machine	□5	□20151	□20152	220□□□ or □2015□[2]	□2015□ 220□□□	220□□1
□ouging	Hand Machine	□□□25	□20001	□20112	220□□□	220□□□	220□□1

[2] Ohmic retaining cap

Recommended Hypertherm genuine accessories

- Hypertherm plasma cutting gloves, 127169
- Powermax125 wheel kit, 229467
- Powermax125 gantry kit, 229570
- System storage dust cover, 127360
- Eliminizer filter and cover, 228890
- Replacement filter element for Eliminizer, 011092
- Torch lead cover, black, 024877

Wheel kit

Leather torch sheathing

System dust cover

Air filtration kit

Hypertherm®
Cut with confidence®