

Hypertherm®

HyPerformance® Plasma HPR130XD®

The HPR130XD delivers incomparable HyPerformance cut quality from very thin up to mid-range materials.



Mild steel cut capacity

Dross free*	16 mm
Production pierce	32 mm
Maximum cutting capacity	38 mm

Stainless steel cut capacity

Production pierce	20 mm
Maximum cutting capacity	25 mm

Aluminum cut capacity

Production pierce	20 mm
Maximum cutting capacity	25 mm

* Feature and material type can influence dross free performance.

Superior cut quality and consistency

HyPerformance Plasma cuts fine-feature parts with superior quality and consistency, eliminating the cost of secondary operations.

- HyDefinition® technology aligns and focuses the plasma arc for more powerful precision cutting up to 38 mm.
- New HDi™ technology delivers HyDefinition cut quality on thin stainless steel from 3 to 6 mm.
- Patented system technologies deliver more consistent cut quality over a longer period of time than other systems available on the market.

Maximized productivity

HyPerformance Plasma combines fast cutting speeds, rapid process cycling, quick changeovers and high reliability to maximize productivity.

Minimized operating cost

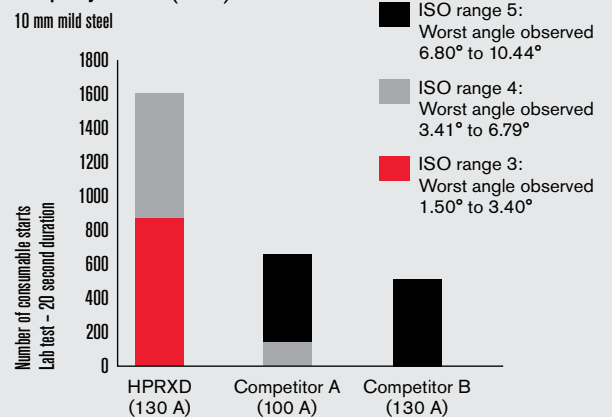
HyPerformance Plasma lowers operating cost and improves profitability.

- LongLife® technology significantly increases consumable life and enables consistent HyDefinition cut quality over the longest period of time.

Unmatched reliability

Extensive testing, backed by more than four decades of experience, guarantees the Hypertherm quality you can count on.

Cut quality over life (130 A)



Superior cut quality on mild steel and stainless steel



Specifications

Input voltages (3-PH) and currents	VAC	Hz	Amps
	200/208	50/60	62/58
	220	50/60	58
	240	60	52
	380	50/60	34
	400	50/60	32
	415	50/60	32
	440	60	28
	480	60	26
	600	60	21
Output voltage	50-150 VDC		
Output current	130 A		
Duty cycle	100% at 40°C at 19,5 kW		
Power factor	0,88 @ 19,5 kW output		
Maximum OCV	311 VDC		
Dimensions	97 cm H, 57 cm W, 108 cm L		
Weight with torch	317,5 kg		
Gas supply			
Plasma gas	O ₂ , N ₂ , F5*, H35**, Air, Ar		
Shield gas	N ₂ , O ₂ , Air, Ar		
Gas pressure	8,3 bar Manual gas console 8 bar Automatic gas console		

* F5 = 5% H, 95% N₂

** H35 = 35% H, 65% Ar



Operating data

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min)
Mild steel	30	0,5	5355
		3	1160
		6	665
O ₂ plasma O ₂ shield	50	1	5000
		3	1800
		6	950
O ₂ plasma Air shield	80†	3	6145
		12	1410
		20	545
O ₂ plasma Air shield	130†	6	4035
		10	2680
		25	550
Stainless steel	60	3	2770
		4	2250
		5	1955
		6	1635
H35 plasma N ₂ shield	130†	8	1140
		12	820
		20	360
H35 and N ₂ plasma* N ₂ shield	130†	8	1515
		12	875
		20	305
Aluminum	45	3	2850
		4	2660
		6	1695
H35 and N ₂ plasma* Air shield	130	6	2215
		12	1455
		20	815

HDi

Cut with confidence

- Hypertherm is ISO 9001: 2000 registered.
- Hypertherm's full-system warranty provides complete coverage for one year on the torch and leads and two years on all other system components.
- Hypertherm's plasma power supplies are engineered to deliver industry leading energy efficiency and productivity with power efficiency ratings of 90% or greater and power factors up to 0,98. Extreme energy efficiency, long consumable life, and lean manufacturing lead to the use of fewer natural resources and a reduced environmental impact.

† Consumables support up to 45° bevel capability.

* H35 and N₂ mixed plasma gas requires the use of an autogas console.

The operating data chart does not list all processes available for the HPR130XD.

Please contact Hypertherm for more information.

One of Hypertherm's long-standing core values is a focus on minimizing our impact on the environment. Doing so is critical to our, and our customers', success. We are always striving to become better environmental stewards; it is a process we care deeply about.



Hypertherm, HyPerformance, HPR, HyDefinition, HDi and LongLife are trademarks of Hypertherm Inc. and may be registered in the United States and/or other countries. All other trademarks are the properties of their respective owners.

© 8/2016 Hypertherm Inc. Revision 5
87079D

Hypertherm[®]
SHAPING POSSIBILITY™

