

# 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 (5/8")
Production pierce	32 mm (1-1/4")
Maximum cutting capacity	38 mm (1-1/2")
Stainless steel cut capacity	
Production pierce	20 mm (3/4")
Maximum cutting capacity	25 mm (1")
Aluminum cut capacity	
Production pierce	20 mm (3/4")
Maximum cutting capacity	25 mm (1")

\* 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 (1-1/2").
- New HDi™ technology delivers HyDefinition cut quality on thin stainless steel from 3 to 6 mm (12 ga. to 1/4").
- 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.

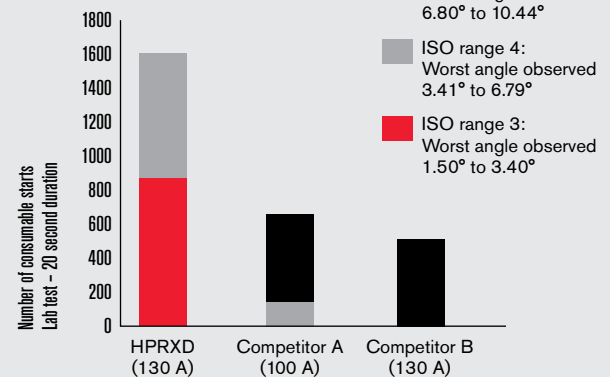
### Unmatched reliability

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



### Cut quality over life (130 A)

10 mm (3/8") mild steel



### 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 (104°F) at 19.5 kW		
Power factor	0.88 @ 19.5 kW output		
Maximum OCV	311 VDC		
Dimensions	97 cm (38.1") H, 57 cm (22.3") W, 108 cm (42.5") L		
Weight with torch	317.5 kg (700 lbs)		
Gas supply			
Plasma gas	O <sub>2</sub> , N <sub>2</sub> , F5*, H35**, Air, Ar		
Shield gas	N <sub>2</sub> , O <sub>2</sub> , Air, Ar		
Gas pressure	8.3 bar (120 psi) Manual gas console 8 bar (115 psi) Automatic gas console		

\* F5 = 5% H, 95% N<sub>2</sub>

\*\*H35 = 35% H, 65% Ar



## Operating data

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min)	Thickness (inches)	Approximate cutting speed (ipm)
<b>Mild steel</b>	30	0.5	5355	.018	215
O <sub>2</sub> plasma		3	1160	.135	40
O <sub>2</sub> shield		6	665	1/4	25
O <sub>2</sub> plasma	50	1	5000	.036	210
O <sub>2</sub> shield		3	1800	.135	60
		6	950	1/4	35
O <sub>2</sub> plasma	80†	3	6145	.135	180
Air shield		12	1410	1/2	50
		20	545	3/4	25
O <sub>2</sub> plasma	130†	6	4035	1/4	150
Air shield		10	2680	3/8	110
		25	550	1	20
<b>Stainless steel</b>	60	3	2770	0.105	120
F5 plasma		4	2250	0.135	95
N <sub>2</sub> shield		5	1955	3/16	80
		6	1635	1/4	60
H35 plasma	130†	8	1140	5/16	45
N <sub>2</sub> shield		12	820	1/2	30
		20	360	3/4	15
H35 and N <sub>2</sub> plasma*	130†	8	1515	5/16	60
N <sub>2</sub> shield		12	875	1/2	30
		20	305	3/4	15
<b>Aluminum</b>	45	3	2850	1/8	110
Air plasma		4	2660	3/16	90
Air shield		6	1695	1/4	60
H35 and N <sub>2</sub> plasma*	130	6	2215	1/4	85
Air shield		12	1455	1/2	55
		20	815	3/4	35

HDI

†Consumables support up to 45° bevel capability.

\*H35 and N<sub>2</sub> 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.

## 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.

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.



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