



HyPerformance® Plasma HPR260XD®

The HPR260XD delivers superior HyPerformance cutting across a broad range of application needs, from very thin to heavier thicknesses.

Mild steel cut capacity	
Dross free*	32 mm (1-1/4")
Production pierce	38 mm (1-1/2")
Maximum cutting capacity	64 mm (2-1/2")
Stainless steel cut capacity	
Production pierce	32 mm (1-1/4")
Maximum cutting capacity	50 mm (2")
Aluminum cut capacity	
Production pierce	25 mm (1")
Maximum cutting capacity	50 mm (2")

* 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 64 mm (2-1/2") on mild steel.
- 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.

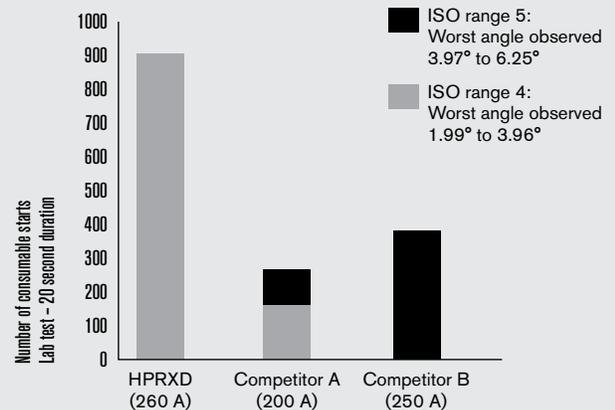
Unmatched reliability

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



Cut quality over life (260 A)

20 mm (3/4") 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	149/144
	220	50/60	136
	240	60	124
	380	50/60	84
	400	50/60	75
	415	50/60	75
	440	60	68
	480	60	62
	600	60	50
Output voltage	175 VDC		
Output current	260 A		
Duty cycle	100% at 40°C (104°F) at 45.5 kW		
Power factor	0.98 @ 45.5 kW output		
Maximum DCV	311 VDC		
Dimensions	115 cm (45.1") H, 82 cm (32.1") W, 119 cm (46.7") L		
Weight with torch	567 kg (1250 lbs)		
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 (120 psi) Manual gas console 8 bar (115 psi) Automatic gas console		

* F5 = 5% H, 95% N₂

**H35 = 35% H, 65% Ar



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.

Operating data

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min)	Thickness (inches)	Approximate cutting speed (ipm)	
Mild steel	30	0.5	5355	.018	215	
		O ₂ plasma	3	1160	.135	40
		O ₂ shield	6	665	1/4	25
O ₂ plasma Air shield	80 [†]	3	6145	.135	180	
		12	1410	1/2	50	
		20	545	3/4	25	
O ₂ plasma Air shield	130 [†]	6	4035	1/4	150	
		10	2680	3/8	110	
		25	550	1	20	
O ₂ plasma Air shield	200 [†]	10	3460	3/8	140	
		20	1575	3/4	65	
		32	750	1-1/2	20	
O ₂ plasma Air shield	260 [†]	12	3850	1/2	145	
		20	2170	3/4	90	
		32	1135	1-1/2	35	
Stainless steel	60	3	2770	0.105	120	
		F5 plasma	4	2250	0.135	95
		N ₂ shield	5	1955	3/16	80
			6	1635	1/4	60
H35 and N ₂ plasma* N ₂ shield	130 [†]	6	1835	1/4	70	
		12	875	1/2	30	
		20	305	3/4	15	
H35 and N ₂ plasma* N ₂ shield	200	8	2000	5/16	79	
		12	1800	1/2	70	
		20	1000	3/4	45	
H35 plasma N ₂ shield	260 [†]	10	2030	3/8	75	
		12	1710	1/2	65	
		20	1085	3/4	45	
H35 and N ₂ plasma* N ₂ shield	260 [†]	10	2190	3/8	90	
		12	1790	1/2	65	
		20	1320	3/4	55	
Aluminum	130	6	2215	1/4	85	
		H35 and N ₂ plasma*	12	1455	1/2	55
		N ₂ shield	20	815	3/4	35
H35 and N ₂ plasma* N ₂ shield	200	8	4350	5/16	171	
		12	3650	1/2	140	
		20	1050	3/4	50	
H35 plasma N ₂ shield	260	12	4290	1/2	160	
		20	1940	3/4	80	
		32	940	1-1/4	40	

HDi

† 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 HPR260XD.

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.



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