

Hypertherm®

HyPerformance® Plasma HPR260XD®

The HPR260XD combines fast cutting speeds, rapid process cycling, quick changeovers, and high reliability to maximize productivity

Hypertherm has spent more than four decades developing over 100 patented plasma technologies to provide Customers with exceptional performance they can count on. With over 20 thousand HyPerformance Plasma systems in use around the world, the HPRXD product family has become the plasma system of choice for customers who demand the most consistent cut quality, highest productivity, lowest operating cost and unmatched reliability.

Key advantages

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 (2½") 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.



Operating data

Mild steel cut capacity

Dross free*	32 mm (1¼")
Production pierce	38 mm (1½")
Maximum cutting capacity	64 mm (2½")

Stainless steel cut capacity

Production pierce	32 mm (1¼")
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.



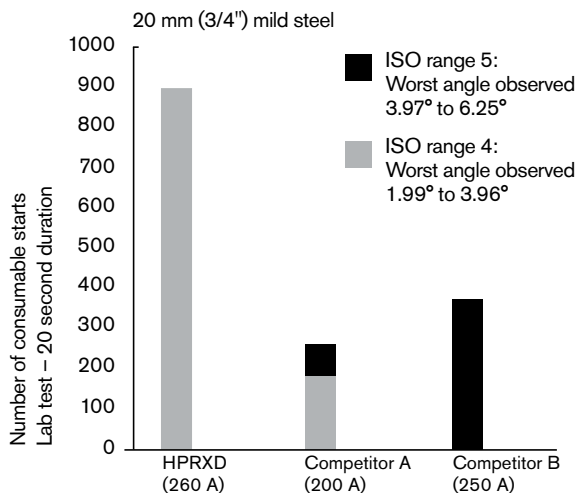
Specifications

Input voltages	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 45.5kW		
Power factor	0.98 @ 45.5kW output 		
Maximum OCV	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 quality over life (260 A)



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
		3	1160	.135	40
		6	665	¼	25
	80	3	6145	.135	180
		12	1410	½	50
		20	545	¾	25
	130†	6	4035	¼	150
		10	2680	⅜	110
		25	550	1	20
	200	10	3460	⅜	140
		20	1575	¾	65
		32	750	1½	20
260†	12	3850	½	145	
	20	2170	¾	90	
	32	1135	1½	35	
Stainless steel	60	3	2770	0.105	120
		4	2250	0.135	95
		5	1955	⅜	80
	130†	6	1835	¼	70
		12	875	½	30
		20	305	¾	15
200	8	2000	⅝	79	
	12	1800	½	70	
	20	1000	¾	45	
260†	10	2030	⅜	75	
	12	1710	½	65	
	20	1085	¾	45	
H35 and N ₂ plasma N ₂ shield	260†	10	2190	⅜	90
		12	1790	½	65
		20	1320	¾	55
	130†	6	2215	¼	85
		12	1455	½	55
		20	815	¾	35
200	8	4350	⅝	171	
	12	3650	½	140	
	20	1050	¾	50	
260†	12	4290	½	160	
	20	1940	¾	80	
	32	940	1¼	40	

HDI

† Consumables support up to 45° bevel capability.

H35 and N₂/N₂ require use of an autogas console.

The operating data chart does not list all processes available for the HPR260XD. Please contact Hypertherm for more information.

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