

# 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 75 patented plasma technologies to provide customers with exceptional performance they can count on. With thousands of HyPerformance Plasma systems sold around the world, the HPR 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.

### Operating data

#### Mild steel cut capacity

Dross free	32 mm
Production (pierce)	38 mm
Severance (edge starts)	64 mm

#### Stainless steel cut capacity

Production (pierce)	32 mm
Severance (edge starts)	50 mm

#### Aluminum cut capacity

Production (pierce)	25 mm
Severance (edge starts)	50 mm

### Key advantages

#### Superior cut quality and consistency

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

- Patented HyDefinition® technology aligns and focuses the plasma arc for more powerful precision cutting up to 64 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.

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

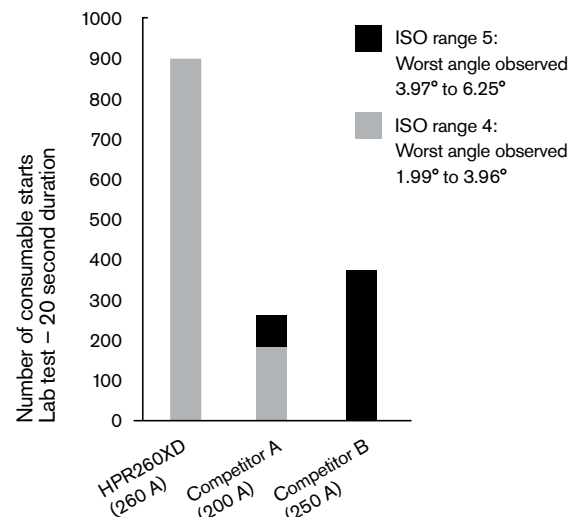
#### Unmatched reliability

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 mild steel



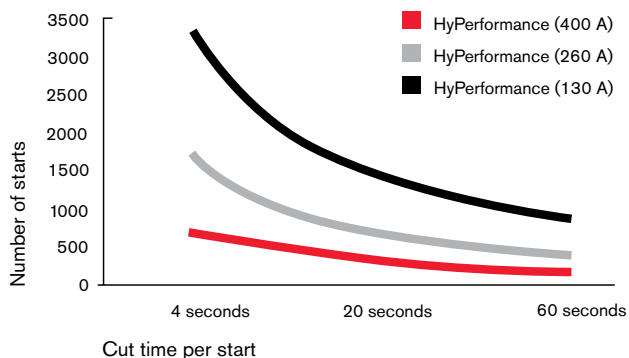
## Specifications

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
	440	60	68
	480	60	62
	600	60	50
Output voltage	175 VDC		
Output current	260 A		
Duty cycle	100% at 40°C at 45.5kW		
Maximum OCV	311 VDC		
Dimensions	115 cm H, 82 cm W, 119 cm L		
Weight with torch	567 kg (1250 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 Manual gas console 8 bar Automatic gas console		

\* F5 = 5% H, 95% N<sub>2</sub>  
\*\* H35 = 35% H, 65% Ar



### Longer consumable life



- Hypertherm is ISO 9001:2000 certified.
- Hypertherm full-system warranty – complete coverage for two years on all system components and one year on the torch.

## Operating data

**Virtually dress-free cutting capacity – mild steel** 32 mm  
**Production pierce capacity – mild steel** 38 mm  
**Maximum cutting capacity (edge start) – mild steel** 64 mm

Material	Current (amps)	Thickness (mm)	Approximate cutting speed (mm/min.)
<b>Mild steel</b> O <sub>2</sub> plasma O <sub>2</sub> shield	30	0,5	5355
		1	3615
		3	1160
	50	6	665
		1	5000
		3	1800
	80	6	950
		3	6145
		6	3045
	130 <sup>†</sup>	10	1810
		20	545
		6	4035
O <sub>2</sub> plasma Air shield	10	10	2680
		12	2200
		25	550
O <sub>2</sub> plasma Air shield	200	6	5248
		12	3061
		20	1575
		25	1167
		50	254
O <sub>2</sub> plasma Air shield	260 <sup>†</sup>	10	4440
		12	3850
		20	2170
		32	1135
		64	195
		1	5740
<b>Stainless steel</b> F5* plasma N <sub>2</sub> shield	45	2,5	2510
		6	845
F5* plasma N <sub>2</sub> shield	80	4	2180
		6	1225
		10	560
H35** plasma N <sub>2</sub> shield	130 <sup>†</sup>	10	980
		12	820
		25	260
H35** plasma N <sub>2</sub> shield	200	10	1620
		12	1450
		15	1200
		20	820
H35** plasma N <sub>2</sub> shield	260 <sup>†</sup>	12	1710
		20	1085
		25	785
		50	270
		1,5	4420
<b>Aluminum</b> Air plasma Air shield	45	4	2575
		6	1690
		12	1455
H35** plasma N <sub>2</sub> shield	130 <sup>†</sup>	20	940
		25	540
		10	4400
H35** plasma N <sub>2</sub> shield	200	12	3800
		20	1450
		12	5160
H35** plasma N <sub>2</sub> shield	260 <sup>†</sup>	20	2230
		50	390

Note: Take care in comparison: Competitors often show maximum cutting speeds, rather than speeds that deliver the best cuts, as shown above. Cut speeds listed above deliver best cut quality, but cut speeds can be up to 50% faster.

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

<sup>†</sup> Consumables support up to 45° bevel capability.

# Hypertherm®

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