



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.

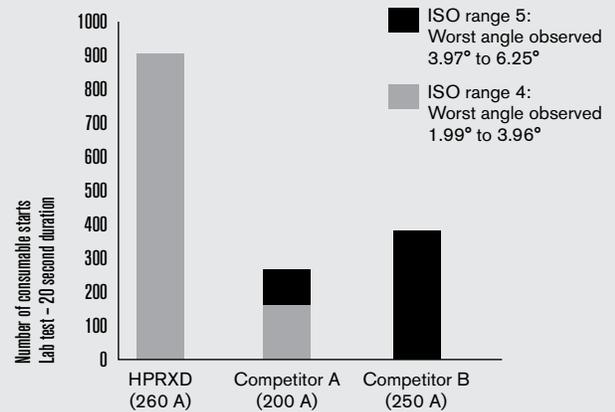
Unmatched reliability

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 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 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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870800

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SHAPING POSSIBILITY™

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 | 1/4 | 25 |
| O ₂ plasma | 80† | 3 | 6145 | .135 | 180 |
| | | 12 | 1410 | 1/2 | 50 |
| | | 20 | 545 | 3/4 | 25 |
| Air shield | 130† | 6 | 4035 | 1/4 | 150 |
| | | 10 | 2680 | 3/8 | 110 |
| | | 25 | 550 | 1 | 20 |
| O ₂ plasma | 200† | 10 | 3460 | 3/8 | 140 |
| | | 20 | 1575 | 3/4 | 65 |
| | | 32 | 750 | 1-1/2 | 20 |
| 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 |
| | | 4 | 2250 | 0.135 | 95 |
| | | 5 | 1955 | 3/16 | 80 |
| | | 6 | 1635 | 1/4 | 60 |
| H35 and N ₂ plasma* | 130† | 6 | 1835 | 1/4 | 70 |
| | | 12 | 875 | 1/2 | 30 |
| | | 20 | 305 | 3/4 | 15 |
| N ₂ shield | 200 | 8 | 2000 | 5/16 | 79 |
| | | 12 | 1800 | 1/2 | 70 |
| | | 20 | 1000 | 3/4 | 45 |
| H35 plasma | 260† | 10 | 2030 | 3/8 | 75 |
| | | 12 | 1710 | 1/2 | 65 |
| | | 20 | 1085 | 3/4 | 45 |
| 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 |
| | | 12 | 1455 | 1/2 | 55 |
| | | 20 | 815 | 3/4 | 35 |
| H35 and N ₂ plasma* | 200 | 8 | 4350 | 5/16 | 171 |
| | | 12 | 3650 | 1/2 | 140 |
| | | 20 | 1050 | 3/4 | 50 |
| H35 plasma | 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.

