HyPerformance® Plasma
HPR800XD®

The HPR800XD delivers all the mild steel capability of the HPR400XD and adds the thickest stainless steel and aluminum cutting on the market today.

<table>
<thead>
<tr>
<th>Mild steel cut capacity</th>
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<tbody>
<tr>
<td>Dross free*</td>
<td>38 mm (1-1/2&quot;)</td>
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<tr>
<td>Production pierce</td>
<td>50 mm (2&quot;)</td>
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<tr>
<td>Maximum cutting capacity</td>
<td>80 mm (3.2&quot;)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Stainless steel cut capacity</th>
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<tbody>
<tr>
<td>Production pierce</td>
<td>75 mm (3&quot;)</td>
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<tr>
<td>Maximum pierce**</td>
<td>100 mm (4&quot;)</td>
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<tr>
<td>Severance</td>
<td>160 mm (6-1/4&quot;)</td>
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<table>
<thead>
<tr>
<th>Aluminum cut capacity</th>
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<td>Production pierce</td>
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<tr>
<td>Maximum cutting capacity</td>
<td>160 mm (6-1/4&quot;)</td>
</tr>
</tbody>
</table>

* Feature and material type can influence dross free performance.
** Maximum pierce requires use of an autogas console and controlled motion process. See technical documentation for details.

Unrivalled stainless steel performance, from very thin to very thick

New HDi™ technology delivers HyDefinition® cut quality from 3 mm to 6 mm (12 gauge to 1/4"), optimized gas mixing provides superior results from 6 mm to 80 mm (1/4" to 3.2") and patented PowerPierce™ technology enables industry leading piercing and cutting capability on very thick stainless steel.

Impressive process range and versatility

The HPR800XD uses all HyPerformance Plasma processes from 30 to 400 amps for marking, beveling and cutting mild steel, stainless steel and aluminum. This versatility is extended to thick stainless steel and aluminum, up to 800 amps.

Maximized productivity and improved profitability

LongLife® and HyDefinition technologies deliver more consistent cut quality over a longer period of time. HyPerformance Plasma combines this consistency with fast cutting speeds and quick changeovers to maximize productivity and improve profitability.

Unmatched reliability

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

**Input voltages (3-PH) and currents**

<table>
<thead>
<tr>
<th>VAC</th>
<th>Hz</th>
<th>Amps</th>
<th>VAC</th>
<th>Hz</th>
<th>Amps</th>
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<td>50/60</td>
<td>262/252</td>
<td>220</td>
<td>50/60</td>
<td>238</td>
</tr>
<tr>
<td>240</td>
<td>60</td>
<td>219</td>
<td>380</td>
<td>50/60</td>
<td>138</td>
</tr>
<tr>
<td>400</td>
<td>50/60</td>
<td>131</td>
<td>240</td>
<td>50/60</td>
<td>120</td>
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<tr>
<td>480</td>
<td>60</td>
<td>110</td>
<td>600</td>
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**Per power supply**

<table>
<thead>
<tr>
<th>Material</th>
<th>Current (amps)</th>
<th>Thickness (mm)</th>
<th>Approximate cutting speed (mm/min)</th>
<th>Thickness (inches)</th>
<th>Approximate cutting speed (ipm)</th>
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**Chiller**

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**Gas supply**

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**[Cut with confidence]**

- 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.

Cut with confidence

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The operating data chart does not list all processes available for the HPR800XD. 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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