***No. 1 PLASMA POWER SUPPLY HYPERTHERM***

Model *MAXPRO 200*

The MAXPRO200 plasma cutting system achieves impressive cut speeds, consistent cut quality and exceptional consumable life with air or oxygen plasma gas. Optimized cutting parameters are automatically set and controlled in one step for easy operation. Engineered for heavy-duty, high capacity mechanized and handheld cutting and gouging, the MAXPRO200 delivers reliable performance across a wide range of industrial applications.

***Maximized productivity***

*MAXPRO200 combines fast cutting speeds and quick process changes to maximize productivity*.

* The fastest cut speeds in its class produce more finished parts per hour.
* Engineered with 100% duty cycle for the most demanding production environments.
* Quickly transition between cutting, gouging, mechanized and handheld processes with automatic settings, tool free leads and quick disconnect torches.

***Fast cutting speeds = maximum productivity***

***Easy Operation***

*The easiest plasma system in its class for air and oxygen plasma cutting – easy to install, easy*

*to operate, easy to maximize performance.*

* Intuitive one step interface and automatic gas control deliver consistent results without operator intervention.
* Advanced diagnostics simplify troubleshooting and service
* Optional serial communications allow full control of the system from the CNC



***MAXPRO 200 vs. oxyfuel***

*Cut speeds and pierce times are as much as 7 times faster for maximized productivity.*

* Significantly lowers operating cost per part up to 50 mm (2").
* Less dross, less warping, and a smaller heat-affected zone to minimize high-cost secondary operations.
* Increases flexibility to cut and gouge mild steel, stainless steel, aluminum, and stacked, painted or rusted metal.
* Improves mild steel cutting safety over the use of acetylene, a highly flammable gas used for oxyfuel cutting.

***Ten times lower cost per meter***

***Low operating cost***

*Exceptional consumable life and consistent performance deliver more cost-effective results.*

* Do more with less power: patented consumable designs enable best in class cut speeds and robust production piercing using lower amperage levels.
* Superior cut quality and consistency minimize high cost secondary operations.
* Advanced consumable technologies including LongLife CoolFlow and TrueFlow significantly increase consumable life to reduce cost per part.

***Longer consumable life = more cost effective***

12 mm mild steel – 200 A Air/Air, 30 m leads

***Reliable performance***

*Engineered and tested using the same proven design process as the HyPerformance HPRXD product family for superior reliability in the most demanding cutting environments.*

* During development, Hypertherm systems endure rigorous reliability testing procedures equivalent to years of use in extreme operating environments.
* The MAXPRO200 is built with less than half the number of internal parts compared to other systems
* on the market. Fewer parts provide greater reliability and serviceability.
* Self-diagnostics are performed automatically at startup and continually throughout the cutting process.



***Handheld torch and gouging***

* 200 A handheld torch capable of cutting up to 75 mm for demolition, scrapping and other heavy-duty cutting demands.
* Drag-cutting consumables make it easy to follow a line or template.
* Metal removal rate on mild steel up to 18.7 kg/hr (41.2 lbs/hr).
* Plasma gouging can replace grinding or carbon arc gouging for many metal-removal applications. Plasma gouging produces less noise and fumes than carbon arc gouging and avoids risks of metallurgic problems from carbon contamination.

***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.

***Specifications***

|  |  |
| --- | --- |
| Input voltage | 200/208 VAC, 3-PH, 50 Hz, 108/104 A  220 VAC, 3-PH, 50 – 60 Hz, 98 A  240 VAC, 3-PH, 60 Hz, 90 A  380 VAC, 3-PH, 50 Hz, 57 A  400 VAC, CE, 3-PH, 50 – 60 Hz, 54 A  415 VAC, CE, 3-PH, 50 Hz, 52 A  440 VAC, 3-PH, 50 – 60 Hz, 49 A  480 VAC, 3-PH, 60 Hz, 45 A  600 VAC, 3-PH, 60 Hz, 36 A |
| Output voltage | 50 – 165 VDC |
| Maximum output current | 200 A |
| Duty cycle rating | 100% @ 33 kW, at 40° C (104° F) |
| Operating temperature | -10° C to 40° C |
| Power factor | 0.98 @ 33 kW output |
| Maximum OCV | 360 VDC |
| Dimensions | 102 cm (40.14") H, 69 cm (27.12") W,  105 cm (41.23") L |
| Weight | 335 kg |
| **Gas supply**  Plasma gas  Shield gas  Supply gas pressure | Air, O2, N2  Air, N2  6.2 +/- 0.7 bar (90 +/- 10 psig) |

***Operating data***

Virtually dross-free cutting capacity – mild steel: 20 mm

Production pierce capacity – mild steel: 32 mm

Severance\* – mild steel: 75 mm

Bevel – 200 amp consumables support 45° bevel capability

|  |  |  |  |
| --- | --- | --- | --- |
| **Material** | **Current**  **(amps)** | **Thickness (mm)** | **Approximate cutting speed (mm/min)** |
| **Mild Steel**  Air plasma  Air shield  Air plasma  Air shield  Air plasma  Air shield | 50 | 1  3 | 8050  3760 |
| 130 | 6  12 | 3865  2045 |
| 200 | 6  12  20  25  32  50 | 4885  2794  1415  940  630  215 |
| O2 plasma  Air shield | 50 | 1  3 | 6775  3650 |
| O2 plasma  Air shield | 130 | 6  12 | 3925  2200 |
| O2 plasma  Air shield | 200 | 6  12  20  25  32  50 | 6210  3415  1920  1430  805  270 |
| **Stainless steel** | 200 | 12  20 | 220  1140 |
| N2 plasma  N2 shield |
| Air plasma  Air shield | 200 | 12  20 | 3050  1520 |

\* The thickness that can be severed at approximately 125 mm/min (5 ipm) with reduced cut quality. Cutting at severance thickness should be infrequent.