

Powermax125 Plasma System



Professional-grade plasma metal cutting and gouging system for handheld cutting 1/2" and mechanized piercing 1".

Maximum productivity

- > Finish jobs faster with cut speeds 5 times greater than oxyfuel on 1/2" mild steel.
- > Spend less time on grinding and edge preparation due to superior cut and gouge quality.
- > Maximize your cutting time with 100% duty cycle.

Low operating costs

- > Reduce costs with consumable life up to four times longer than other systems in this amperage range
- > Electrode end-of-life detection protects the torch and workpiece from damage by automatically stopping power when the electrode is overused.

Easy-to-use for cutting and gouging

- > No need to change the air pressure. Smart Sense™ technology ensures that it is always correctly set.
- > Tackle different jobs with multiple, easy-to-use torch styles.

Built and tested to withstand the harshest conditions

- > Duramax® Hyamp™ torches are designed for high-impact and heat resistance.
- > SpringStart™ technology ensures consistent starting and a more reliable torch.
- > Low maintenance maximizes uptime.

Specifications

Input voltages	480/600 V, 3-PH, 50/60 Hz
Kilowatt output	21.9 kW
Input current @ 21.9 kW	480/600 V, 31/24 A
Output current	30–125 A
Rated output voltage	175 VDC
Duty cycle @ 104° F	100% @ 125 A, 480/600 V, 3-PH
Open circuit voltage (OCV)	320 VDC
Dimensions with handles	23.3" D; 10.8" W; 20.0" H
Weight w/25' torch	480 V 105.7 lbs 600 V 104.7 lbs
Gas supply	Clean, dry, oil-free air or nitrogen
Recommended gas inlet flow rate/pressure	Cutting: 260 l/min (550 scfh) @ 5.9 bar (85 psi) Gouging: 212 l/min (450 scfh) @ 4.1 bar (60 psi)
Input power cable length	10'
Power supply type	Inverter – IGBT
Engine drive requirement	40 kW for full 125 A output
Certifications	CSA-certified for use in the Americas and Asia, except China.
Warranty	Power supplies have a 3-year warranty and torches a 1-year warranty