



***Cutting Capacity up to 1"***  
***18 IPM Cutting Speed at 3/4"***  
***High Speed Inverter Technology***  
***80 Amps of Output at 60% Duty Cycle***  
***PCT 80 Plasma Torch without High Frequency***

**1-800-245-3660**  
**Rental Centers Across North America**

# PYTHON

## Plasma Cutter

### FEATURES:

- **PCT 80 torch operates without high frequency resulting in higher reliability and low noise emission**
- **immediate main arc startup for increased production (no starting delays, and better performance on expanded metal)**
- **patented Vortech™ torch nozzle design results in enhanced cutting capacity**
- **torch uses only 3 consumable parts for easy maintenance**
- **patented full-flow cooling for long consumable life**
- **unmatched cutting speeds, low dross levels and unparalleled ease of use**
- **unparalleled gouging performance in a unit of this size**
- **true nozzle sensing safety mechanism**
- **quick disconnect torch for fast and easy torch removal**
- **built-in parts storage bin in front panel**
- **simple to understand back-lit LED status indicators**
- **standard CNC / Robotic interface**
- **thermostatically protected**
- **3 year warranty on parts and labor (1 year warranty on torch)**
- **line voltage compensated for constant output regardless of fluctuations in input power**
- **one control dial for easy operation**
- **control panel pressure gauge**
- **air filter and regulator are standard**
- **certified to ISO 9002 requirements**
- **optional valet style undercarriage with torch storage compartment and pull-out handle permits operation in a vertical position to maximize shop floor space and provides the ultimate in portability**
- **optional K1625-1 circle cutting kit available**

### SPECIFICATIONS

- **Weight: 100 lb (45.4 kg)**
- **Dimensions (with K1838-1 undercarriage): Height: 23.5" (597 mm), Width: 17" (432 mm), Length: 32" (813 mm)**
- **Cutting Capacity: Production 3/4" at 18 IPM, Recommended 1" at 11 IPM, Maximum 1 1/4" at 7 IPM**
- **PCT 80 torch is rated at 80 amps, 100% duty cycle**
- **Current Range: 35 - 85 amps**
- **Requires 80 to 120 psi gas inlet pressure and 70 psi @ 480 SCFH flow rate at the torch**

### CONSUMABLE PARTS

- **Cutting Electrode** **KP2063-1B1**
- **Vortech Nozzle (.043)** **KP2062-2B1**
- **Vortech Nozzle (.053)** **KP2062-3B1**
- **Vortech Gouging Nozzle (.082)** **KP2062-4B1**
- **Shield Cup** **KP2064-1**
- **Drag Cup** **KP2065-1**

Input Amps at 80 Amps Output
87 amps @ 208 VAC, 1 phase
48 amps @ 208 VAC, 3 phase
81 amps @ 230 VAC, 1 phase
44 amps @ 230 VAC, 3 phase
48 amps @ 460 VAC, 1 phase
25 amps @ 460 VAC, 3 phase
20 amps @ 575 VAC, 3 phase*

\*460/575 volt, 3 phase model



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