Plasma Cutting - Anywhere, Anytime

The Tomahawk® 375 Air plasma cutting system arrives ready to go for fast and precise cutting. With the 375 Air, forget the grinder – simply pick up the torch and cut in seconds.

**FEATURES**

- **Ultimate Portability** – Internal air compressor enables operation in environments where external compressed air is not available.
- **Continuous Output Control** – Focus the arc for different material thickness.
- **Touch Start system** – Reliable plasma arc initiation without high frequency.
- **Rapid Arc Restrike** – Fast cutting through gaps, even expanded metal.
- **Front Panel Purge Control** – Makes it easy to set the air flow rate without initiating the plasma arc.
- **Cool Operation, Long Consumable Life**
  New electrode and nozzle design save you money in the long run.
- **Added Safety** – Our Parts-in-Place system detects correct installation of consumables and torch.
- **Engine Drive Compatible** – Select a Lincoln Electric Ranger® or Vantage® to power your Tomahawk® in remote locations.

**APPLICATIONS**

- On site maintenance
- Small construction sites
- Air ducting installation (HVAC)
- Demolition work
- Rental

**WHAT'S INCLUDED**

K2806-1 Includes:

- Internal air compressor (external air connection also standard)
- Lincoln Electric LC25 Torch with 10 ft. (3 m) cable
- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Spare consumables
- Shoulder strap
- Input power cord

**CUT PERFORMANCE**

- **Recommended**
  - Rated Cut @ 22 ipm (0.56 m/min)
  - Maximum Cut @ 14 ipm (0.38 m/min)
  - Sever Cut @ 5 ipm (0.13 m/min)

- **Maximum**
  - Max Air Flow 125-200 SCFH (5 Bar @ 80 Liters/min)

- **Severance**
  - 1/2 in (12.7 mm)

Can be used with either external air or internal compressor.
**KEY CONTROLS**

1. Output and Air Purge Control
2. Output Status LED Indicator (Red)
3. Power On/Off LED Indicator (Green)
4. Thermal Status LED Indicator (Yellow)
5. Internal / External Compressor Switch
6. Air Pressure Gauge
7. Air Pressure Adjustment
8. Workpiece Cable Connection
9. Internal Compressor Air Filter
10. Plasma Torch - Non-Detachable
11. On/Off Power Switch
12. Air Inlet (for External Compressed Air only)
13. Input Cord
14. Cooling Fan

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**LINCOLN LC TORCH HEAD DESIGN**

**TORCH DESIGN FOR OPTIMAL STARTING AND PERFORMANCE**

**Starting**
- Air pressure pushes the electrode back
- Ignition takes place on the ‘shoulder’
- No damage to the tip

**Performance**
- Extended consumable lifetime
- Consistent starting without High Frequency
- More concentrated arc
- Faster cutting speeds
- Greater thickness cutting capacity
CUTTING PERFORMANCE MILD STEEL

Capacity Chart

<table>
<thead>
<tr>
<th>Travel Speed (IPM)</th>
<th>Plate Thickness (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>0.125</td>
</tr>
<tr>
<td>60</td>
<td>0.250</td>
</tr>
<tr>
<td>50</td>
<td>0.3125</td>
</tr>
<tr>
<td>40</td>
<td>0.375</td>
</tr>
<tr>
<td>30</td>
<td>0.500</td>
</tr>
<tr>
<td>20</td>
<td>0.375</td>
</tr>
<tr>
<td>10</td>
<td>0.500</td>
</tr>
<tr>
<td>0</td>
<td>0.500</td>
</tr>
</tbody>
</table>

Aluminum cutting speeds are typically 10-20% faster than mild steel.
Stainless steel cutting speeds are typically 10-20% slower than mild steel.

COMPATIBLE ENGINE DRIVES (1)

<table>
<thead>
<tr>
<th>Ranger®</th>
<th>Ranger® 225</th>
<th>Ranger® 250 GXT</th>
<th>Ranger® 305 LPG</th>
<th>Ranger® 305 G</th>
<th>Ranger® 305 D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vantage®</td>
<td>Vantage® 300</td>
<td>Vantage® 400</td>
<td>Vantage® 500</td>
<td>Air Vantage® 500</td>
<td>Outback® 185</td>
</tr>
</tbody>
</table>

(1) When run in the high idle mode.
The Tomahawk® 375 Air can be operated on engine driven generators as long as the 230 volt auxiliary meets the following conditions.
• The AC Waveform peak voltage is below 400 volts.
• The AC waveform frequency is between 55 and 65 Hz.
• The RMS voltage of the AC waveform is always greater than 208VAC.
RECOMMENDED ACCESSORIES

GENERAL OPTIONS
Plasma Circle Cutting Guide Kit
For cutting circles from 3-33 in. (77-838 mm) in diameter. Works with all Lincoln LC series plasma torches. Order K2886-1

Small Canvas Cover
Protect your Tomahawk® when not in use. Made from red canvas that is flame retardant, mildew resistant and water repellent. Order K2377-1

Canvas Accessory Bag
Canvas bag available to store your welding accessories with convenient carrying handle and snap to attach to your equipment. Order K3071-1

Lincoln Electric LC25 Replacement Torch
Includes 10 ft. (3 m) torch cable and one set of all required torch expendable parts. Order K2846-1

REPLACEMENT TORCH CONSUMABLES

Lincoln Electric LC25 Parts

TOMAHAWK® 375 AIR TORCH CONSUMABLES

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KP2842-1</td>
<td>Electrode</td>
</tr>
<tr>
<td>KP2842-2</td>
<td>Nozzle</td>
</tr>
<tr>
<td>KP2842-3</td>
<td>Retaining Cap</td>
</tr>
<tr>
<td>KP2842-4</td>
<td>Swirl Ring</td>
</tr>
<tr>
<td>KP2842-5</td>
<td>Spacer</td>
</tr>
</tbody>
</table>

Consumable Wear
- It is normal for the electrode and nozzle to wear during operation.
- Electrodes should typically be replaced when erosion reaches 0.025 in. (0.65 mm).
- A green and erratic arc will indicate end of electrode life. The electrode should be immediately replaced.
- It is recommended that the KP2842-1 Electrode and KP2842-2 Nozzle (25A) be replaced as a complete set.

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Product Number</th>
<th>Input Power</th>
<th>Rated Output Current/Voltage/ Duty Cycle</th>
<th>Input Current @ Rated Output</th>
<th>Pilot Current</th>
<th>Output Range</th>
<th>Air Pressure Required</th>
<th>Air Flow Rate Required</th>
<th>Dimensions H x W x D in. (mm)</th>
<th>Net Weight Without Torch lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomahawk® 375 Air</td>
<td>K2806-1</td>
<td>208/230/1/60</td>
<td>13A/85.2V/100% 18A/87.2V/60% 25A/90V/35%</td>
<td>21.7A (max)</td>
<td>17A</td>
<td>10-25A</td>
<td>80-110psi (5.6-7.5 Bar)</td>
<td>70ps @ 125-200SCFH</td>
<td>5 Bar @ 80 Liters/ min.</td>
<td>15.2 (385)</td>
</tr>
</tbody>
</table>

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