Tomahawk® 375 Air

Processes
Plasma Cutting

For These Materials
Mild Steel  Brass
Stainless Steel  Copper

Product Number
K2806-1

Input Power
208/230/1/60

Rated Output Current/Duty Cycle
13A/65.2V/100%
18A/87.2V/60%
25A/90V/35%

Output Range
10-25A

Air Pressure Required
80-110psi (6-7.5 Bar)

Air Flow Rate
70psi @ 125-200SCFH
(5 Bar @ 80 Liters/min)

Weight/Dimensions (H x W x D)
40 lbs. (18 kg)
15.2 x 8.5 x 18.9 in.
(385 x 215 x 480 mm)

See back for complete specs

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

<table>
<thead>
<tr>
<th>5/16 in (7.9 mm)</th>
<th>3/8 in (9.5 mm)</th>
<th>1/2 in (12.7 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended</strong></td>
<td><strong>Maximum</strong></td>
<td><strong>Severance</strong></td>
</tr>
<tr>
<td>Rated Cut @ 22 ipm (0.56 m/min)</td>
<td>Maximum Cut @ 14 ipm (0.38 m/min)</td>
<td>Sever Cut @ 5 ipm (0.13 m/min)</td>
</tr>
</tbody>
</table>

Can be used with either external air or internal compressor.


THE LINCOLN ELECTRIC COMPANY
22801 St. Clair Avenue • Cleveland, OH • 44117-1199 • U.S.A.
PH: +1.216-481-8100 • www.lincolnelectric.com

Two Year Extended Warranty Available in the U.S.A. and Canada
* 3 year warranty on machine
1 year on torch

IP21S

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

**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**
- Enhanced swirling airflow
- Improved radius and electrode/nozzle design

- More concentrated arc
- Faster cutting speeds
- Greater thickness cutting capacity

- Extended consumable lifetime
- Consistent starting without High Frequency
CUTTING PERFORMANCE MILD STEEL

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)

(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.
**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 in lbs (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomahawk® 375 Air</td>
<td>K2886-1</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 (5.5-7.5 Bar)</td>
<td>70psi @ 125-200SCFH</td>
<td>15.2 (385)</td>
<td>10 (18)</td>
</tr>
</tbody>
</table>

**Customer Assistance Policy**

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically disclaimed.

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