



# TOMAHAWK 1500

HEAVY-DUTY, 100 AMPS, 60% DUTY CYCLE





# Heavy-Duty, 100 Amps

## Tomahawk® 1500

If you're cutting fine artwork or fabricating steel parts in a production setting, you will need a plasma machine that will give you the cleanest and fastest cuts possible. Heavy duty at 100 amps, 60% Duty Cycle, the Tomahawk® 1500 plasma cutting power source brings power and flexibility to hand-held torch cutting applications.

Built on a proven inverter platform, the Tomahawk 1500 is a constant current, plasma cutting power source that delivers faster cut speeds, optimal cut performance, and durability. The result is a superior cut with minimal dross – which minimizes the need for a secondary finishing operation.

Tomahawk initiates the plasma arc with a simple yet reliable touch-start mechanism that eliminates many of the failure problems associated with high-frequency start systems. The control system includes a Parts-in-Place™ feature to ensure that the consumables are in place before the cutting or gouging process can be initiated. The air regulator and pressure gauge are standard features, and the accompanying hand-held torch and consumable starter kit enables the user to get started right out of the box.

If you value cut quality, productivity and lower operating costs, then go ahead and make the cut with Tomahawk 1500.





## SMALL SETTING, HIGH PERFORMANCE

### Best Cut Performance

Tomahawk 1500 is designed to deliver. When you're cutting up to 1 1/4 in. (31.8 mm) material in a hand-held application, you can count on excellent cut quality with faster cutting speeds as compared to oxy-fuel cutting. Regardless of thickness, Tomahawk 1500 delivers superior cut quality, minimizing the need for grinding, edge preparation or other secondary operations.

### Durability and Reliability

Tomahawk 1500 doesn't back away from the hard jobs. By delivering perfect arc starts without high frequency, our cutting torch extends consumable life. And the IP23 rating makes Tomahawk 1500 rugged enough for use outdoors as well as indoors. The ergonomic LC105 torch is designed for high-impact resistance and heat resistance, enabling you to manage the toughest cutting jobs with ease and reliability.

### Flexibility

Tomahawk 1500 is a versatile machine. Choose single-phase or 3-phase, 200 to 575-volt input power for cutting, gouging and grid-cutting tasks. In addition, you have a choice of numerous torch consumables for a wide range of hand-held applications. No matter what the application, it's portable and rugged enough for both indoor and outdoor use. And when the outdoor work is far afield, it can be used with a compatible engine drive.

### Maximized Productivity

At rated amperage, Tomahawk 1500 provides faster cut speeds with less bevel than the competition. That means more parts, and less rework; keeping your productivity high. It's easy to set up, easy to use, and it enables faster cuts than oxyfuel technology – all of which adds up to improved productivity. Heavy duty applications enable severance cuts up to 1 1/2 in. (38.1 mm) at maximum output and eliminate the need of preheating in oxy-fuel cutting, thereby reducing labor, time and costs.

#### Processes »

Plasma Cutting, Gouging

#### Cutting Type »

Hand Cutting

#### Applications »

- Steel Fabrication
- Pipe Cutting
- Structural Steel Fabrication
- Automotive/Transportation
- Construction
- Shipbuilding
- Steel Service Center
- Artwork and Signs
- Demolition and Scrapping
- Maintenance and Repair
- HVAC

#### Output »



#### Input »



#### Product Number »

K2809-1

# Controls »

## FRONT

1. CUTTING OPERATING MODE SELECTION
2. PRIMARY AIR, GAS PRESSURE GAUGE AND REGULATOR KNOB
3. TORCH CONNECTION
4. SINGLE PHASE GREEN LED
5. POWER ON/OFF GREEN LED
6. OUTPUT RED LED
7. THERMAL YELLOW LED
8. GAS PRESSURE YELLOW LED
9. PARTS-IN-PLACE (PIP) YELLOW LED
10. OUTPUT CURRENT KNOB
11. WORK CONNECTION

## BACK

12. INPUT CORD - 10 ft. (3.0 m)
13. POWER SWITCH
14. AIR OR GAS INLET  
(1/4 in. [6.4 mm] NPT QUICK CONNECT)
15. FAN



## SPECIFICATIONS

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/ Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Gas Pressure Required	Gas Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
Tomahawk 1500	K2809-1	200-208/230/380/460/575/3/50/60	60A/140V/100%  80A/140V/80%  100A/140V/60%	3PH/100% 31/28/16/14/12  3PH/80% 41/37/21/18/14  3PH/60% 49/43/27/22/18	25-100A	87 to 109 PSI (6.0-7.5 Bar)	380 SCFH @ 80 PSI  180 SLPM @ 5.5 Bar	179 x 11.8 x 25.4 (455 x 301 x 645)	96 (44)
		230/1/50/60	60A/140V/100% 80A/140V/80%	1PH/100% 48 1PH/80% 62					
		200-208/1/50/60	60A/140V/100% 80A/140V/60%	1PH/100% 52 1PH/60% 71					

TOMAHAWK 1500 PACKAGES	Product Number	Tomahawk 1500 One-Pak® with 25 ft. Hand Torch K3477-1	Tomahawk 1500 One-Pak with 50 ft. Hand Torch K3477-2
Tomahawk 1500 Plasma Cutter	K2809-1	•	•
LC105 Hand Torch with 25 ft. (7.6 m) Lead	K2849-1	•	
LC105 Hand Torch with 50 ft. (15 m) Lead	K2849-2		•
Consumable Starter Kit for LC105 Torch	KP4141-20	•	•

### HAND HELD CUT CAPACITY - MATERIAL THICKNESS MILD STEEL (AT MAX OUTPUT -100A)

Recommended cut capacity at 23 ipm	1 in. (25.4 mm)
Recommended cut capacity at 14 ipm	1-1/4 in. (31.8 mm)
Severance capacity at 8 ipm	1-1/2 in. (38.1 mm)

### MAXIMUM CUT SPEEDS - MILD STEEL

1/4 in. (6.4 mm)	182 ipm
1/2 in. (12.7 mm)	71 ipm
3/4 in. (19 mm)	36 ipm
1 in. (25.4 mm)	23 ipm
1-1/4 in. (31.8 mm)	14 ipm

### CONSUMABLE STARTER KIT FOR LC105 HAND TORCH (KP4141-20)

	Product Number	QTY
Electrode (LC105)	KP4141-1	2
Nozzle 100A (LC105)	KP4141-7	2
Swirl Ring (LC105)	KP4141-9	1

TORCHES AND CONSUMABLES	Product Number	QTY.
<b>HAND TORCH</b>		
LC105 Handheld Plasma Torch 25 ft. (7.5 m)	K2849-1	
LC105 Handheld Plasma Torch 50 ft. (15 m)	K2849-2	
<b>CONSUMABLES-HAND CUTTING</b>		
Electrode (LC105)	KP4141-1	5
Nozzle-40A (LC105)	KP4141-4	5
Nozzle-60A (LC105)	KP4141-5	5
Nozzle - 80A (LC105)	KP4141-6	5
Nozzle-100A (LC105)	KP4141-7	5
Swirl Ring (LC105)	KP4141-9	2
Retaining Cap (Contact) (LC105)	KP4141-8	1
Drag Shield Cap-40A (LC105)	KP4141-14	2
Drag Shield Cap-60-80A (LC105)	KP4141-15	2
Drag Shield Cap-100A (LC105)	KP4141-16	2
Gouging Nozzle-80A (LC105)	KP4141-18	5
Gouging Nozzle-100A (LC105)	KP4141-19	5
Gouging Shield Cap-80-100A (LC105)	KP4141-17	2
<b>ADDITIONAL ACCESSORIES</b>		
Plasma Circle Cutting Guide	K2886-1	1

# Tomahawk<sup>®</sup> 1500

Heavy-Duty, 100 Amps, 60% Duty Cycle

## Best Cut Performance and Productivity

- Hand held cutting up to 1 1/4 in. (31.8 mm)
- Severance cutting up to 1 1/2 in. (38.1 mm)
- Maintains Faster Cut Speeds
- Virtually dross-free cuts reduce parts clean-up

## Durable and Reliable

- Reliable arc starting without high frequency
- Rugged enough for outdoor use (IP23)

## Easy to Set, Easy to Use

- Simple Controls Make Set-Up Easy
- Cut, gouge and grid-cut
- PowerConnect<sup>®</sup> Technology for automatic voltage sensing



Tomahawk 1500 with 25 FT. (7.5 m) hand held torch. K3477-1

### Processes

Plasma Cutting, Gouging

### Cutting Type

Hand Cutting

### Output



### Input



## Applications

- Steel Fabrication
- Pipe Cutting
- Structural Steel Fabrication
- Automotive/Transportation
- Construction
- Shipbuilding
- Steel Service Center
- Artwork and Signs
- Demolition and Scrapping
- Maintenance and Repair
- HVAC

## Key Accessories

- Plasma Circle Cutting Guide Kit (K2886-1)
- LC105 Hand Torch 25 ft. (7.6 m) (K2849-1)
- LC105 Hand Torch 50 ft. (15 m) (K2849-2)
- Consumable Starter Kit for LC105 Torch KP4141-20

## Product Highlights

- PowerConnect<sup>®</sup> Technology for automatic voltage sensing
- Reliable plasma arc initiation
- Rapid arc restrike

## Tomahawk 1500 - SPECIFICATIONS

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