PLASMA CUTTING RANGE

INVERTEC® PC-210 • TOMAHAWK® 1025 • TOMAHAWK® 1538

CHOOSE LINCOLN FOR CLEAN, EFFICIENT AND COST-EFFECTIVE PLASMA CUTTING

Value for money

Cut through any conductive material in seconds.

Choose a model just right for your typical material thickness. Our plasma cutters are as good as the best in Class, with prices far below competitors (the machine as well as the consumable parts).

INVERTEC® PC-210 – portable, flexible cutting power up to 10 mm, powered from a standard 230V input supply, ideal for work on site.

TOMAHAWK® 1025 & 1538 – high performance plasma cutting machines, built to handle harsh environmental conditions, suitable for operation on site with a generator or within a workshop environment.

Up to 25 mm mild steel (Tomahawk® 1025) and up to 40 mm mild steel (Tomahawk® 1538).

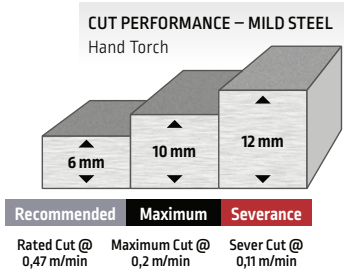
ALL MACHINES

BUILT FOR THE HEAVIEST INDUSTRIAL CONDITIONS

Developed and tested under the hardest conditions (TRUE HD) to grant the reliability you need.

- PCB board made in Lincoln Electric Company
- Fully encapsulated and vertically mounted
- Capable of surviving the harshest testing conditions
- Varnished and potted electronic boards

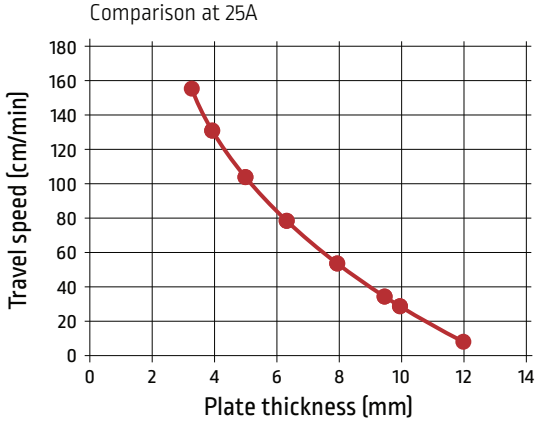
PC-210

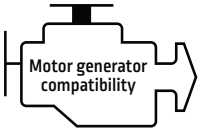


INVERTEC® PC-210

- Flexible: only 230 V input required.
- High performance: innovative advanced electrode and nozzle design.
- Robust: long life compressor.
- Portable: only 18,5 kg, small and compact.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Internal compressor or external.

PERFORMANCE





PC-210 MOTOR GENERATOR COMPATIBILITY:

- minimum power 4kW
- Vac peak voltage: below 410V.
- RMS voltage of the AC waveform: 230Vac ± 10%.

INTERNAL COMPRESSOR OR EXTERNAL AIR

SPECIFICATIONS

Product	Item Number	Primary Voltage (50-60Hz)	Rated Output	Cutting Capacity (mm)	Flow Rate	Inlet Pressure	Output Range (A)	Weight (kg)	Dimensions HxWxD (mm)
Invertec® PC210	K12038-1	230V/1Ph	25A/90V/35% 20A/88V/60% 15A/86V/100%	10	80l/min+/-20%@5,0bar	6,0 bar	10-25	18,5	385 x 215 x 480

Processes

· Plasma cutting

Applications

On site maintenance
Service tasks
Small construction sites
General installations
Air ducting installation (HVAC)
Demolition work
Rental

Input

1 PHASE
50/60 Hz

Output

CC
DC

Unit Includes
2 m input cable with 16A plug
Mounted 3 m hand cutting torch
Ground clamp and cable
Air connection kit
Cutting torch consumables kit

THE LINCOLN ELECTRIC GREEN INITIATIVE
Inverter Technology
reduces energy demand
www.lincolnelectric.com/green

Processes
- Plasma cutting *(all)*
- Plasma gouging
- Grid Mode

Type of Gas
- Air compressed
- Nitrogen

Applications
On site maintenance
Service tasks
Small construction sites
General installations
Air ducting installation (HVAC)
Demolition work
Rental

Input

3 PHASE | 50/60 Hz

Output

CC | DC

Unit Includes
2 m-input cable
7,5 m-hand cutting torch
Ground clamp and cable
Air connection kit
Cutting torch consumables kit

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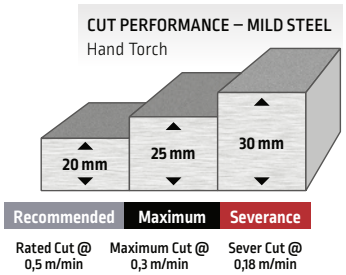
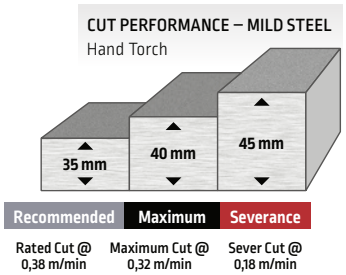
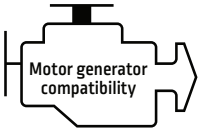
TH1025



TH1538





MOTOR GENERATOR COMPATIBILITY:
- minimum power 9,2kW (TH1025), 18kW (TH1538)
- AC waveform peak voltage below 700V.
- RMS voltage of the AC waveform is always equal to 400Vac ±15%.

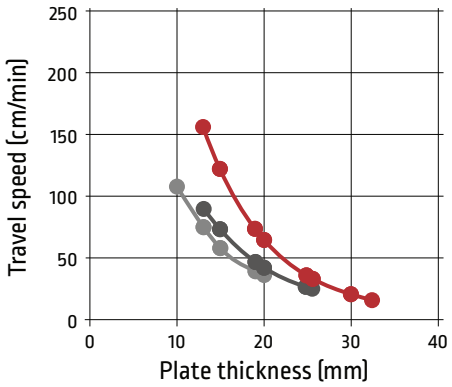
TOMAHAWK® 1025 & 1538

- Starting: innovative advanced arc starting without HF.
- Performance: innovative advanced electrode and nozzle design.
- Longer lifetime: innovative advanced design increases lifetime of consumables.
- Faster: higher travel speeds and plate thickness.
- Flexible: multiple torch configurations.
- Different materials: mild steel, stainless steel, aluminium and many more.
- Concentrated plasma stream: less heat input, less distortion.
- Torch Connection – central connector, 9-pin.
- Step less current control.
- Remote kit (optional) that allows the unit to receive an external ON-OFF trigger for mechanized processes (only for TH1538)

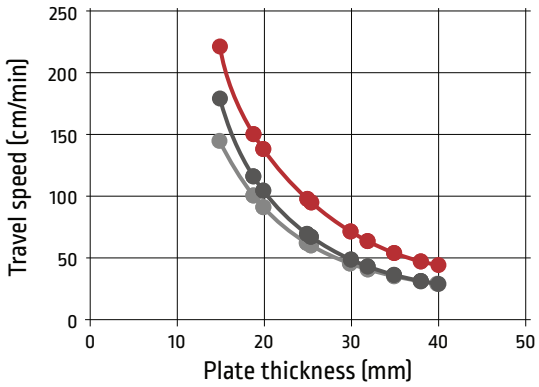
AS GOOD AS THE BEST IN CLASS, WITH PRICES FAR BELOW

PERFORMANCE

Tomahawk® 1025 with LC65
Comparison at 60A



Tomahawk® 1538 with LC105
Comparison at 100A



Aluminium — Mild — Stainless

SPECIFICATIONS

Product	Item Number	Primary Voltage (50-60Hz)	Rated Output	Cutting Capacity (mm)	Piercing Capacity (mm)*	Flow Rate	Inlet Pressure	Output Range (A)	Weight (kg)	Dimensions HxWxD (mm)
Tomahawk® 1025	K12048-1	400V/3Ph	60A/40% 40A/100%	25	Max. 12	130l/min +/- 20%@5,0bar	6,0 - 7,5 bar	20-60	22	389 x 247 x 489
Tomahawk® 1538	K12039-1		100A/40% 60A/100%	40	Max. 20	280l/min +/- 20%@5,0bar	6,0 - 7,5 bar	20-100	36	455 x 301 x 618

KEY OPTIONS

	Product Number	Invertec® PC-210	Tomahawk® 1025	Tomahawk® 1538
		K12038-1	K12048-1	K12039-1
Air Filter LAF1250	W88X1456A	•	•	•
Filter Cartridge	W8800117R	•	•	•
Cutting circle	W0300699A	•	•	•
Undercarriage	W0200002	•		
Undercarriage	K2694-1		•	•
Remote Control	K12049-1			•
Remote Control Kit	W05X1086A			•
Bevel Tool	W03X0893-119A		•	•

TORCHES

	Product Number	Invertec® PC-210	Tomahawk® 1025	Tomahawk® 1538
		K12038-1	K12048-1	K12039-1
LC25 (Hand)	PTH-C25A-SL-3MR	•		
LC65 (Hand)	PTH-061A-CX-7M5A		•	
	PTH-061A-CX-15A		•	
LC65M (Machine)	PTM-061A-CX-7M5A		•	
	PTM-061A-CX-15A		•	
LC105 (Hand)	PTH-101A-CX-7M5A			•
	PTH-101A-CX-15A			•
LC105M (Machine)	PTM-101A-CX-7M5A			•
	PTM-101A-CX-15MA			•

UNDERCARRIAGE
W0200002

UNDERCARRIAGE
K2694-1

AIR FILTER LAF1250
Sub-micron filter for compressed air designed to remove moisture, oils and sprays particles from air compressors, thus providing clean, free of oil and dry air.

W88X1456A
W8800117R (filter cartridge)

BEVEL TOOL
W03X0893-119A

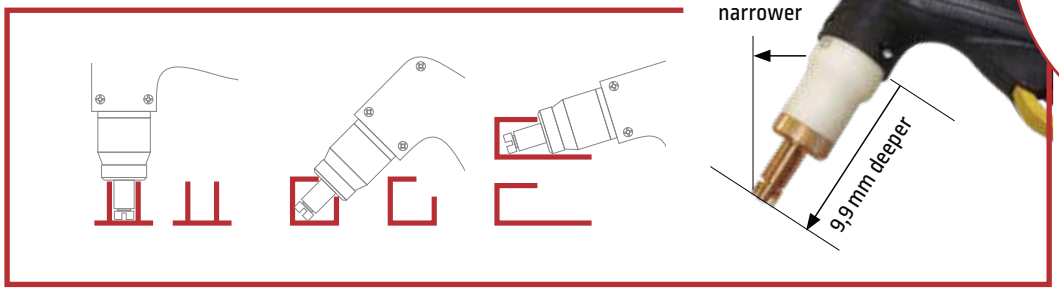
CUTTING CIRCLES (max diam. 820mm)
W0300699A

MODERN TORCH TECHNOLOGY

LC65 and LC105

– the new torches with longer life time (running cooler). More cutting thickness, higher speed, standard and grid cutting.

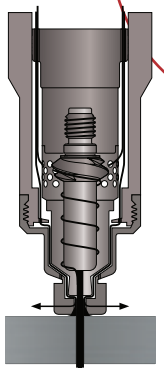
- NO HF
- Small electrode diameter
- High air-flow
- High speed rotating air
- Primary and secondary flow
- Concentrated plasma
- Long life electrodes and nozzles
- Torch Connection –central connector, 9-pin



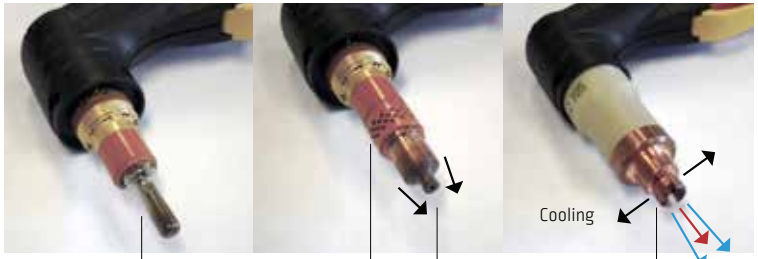
ALSO AVAILABLE: EXTENDED REACH CONSUMABLES HELPFUL FOR CONFINED SPACES

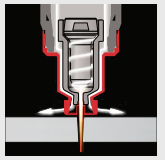
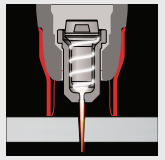
For connection equipment /torch the Tomahawk are provided by **CENTRAL CONNECTOR**

HIGHER TRAVEL SPEED AND LONGER LIFE TIME CONSUMABLES



LC105 torch design
with drag cup



CONTACT	STAND-OFF	GOUGE
OPTION 1	OPTION 2	OPTION 3
		
Convenient for the operator, simply drag the nozzle on the plate. Well protected nozzle.	Maximum flexibility and visibility of the plasma stream.	Allowing you to gouge different materials.

GOUGING WITH TOMAHAWK® 1025 & 1538

Plasma gouging was developed as a tool for weld removal and weld preparation. Back-gouging was used to remove metal from the reverse side of arc-welded joints to eliminate defects and improve strength. Weld defects such as cracks, porosity, and lack of fusion could be gouged out using a plasma torch and then repaired with a new, sound weld.

TOMAHAWK 1025

Gouging application with manual plasma torch LC65

Material : Mild Steel
Suggested speed : 90 cm/min
Suggested torch inclination: 55° from vertical
Suggested Air pressure : 4,0-4,5 bar
Print on metal piece : 0,066 cm^2
Material removal capability : 6 cm^3/min.

TOMAHAWK 1538

Gouging application with manual plasma torch LC105

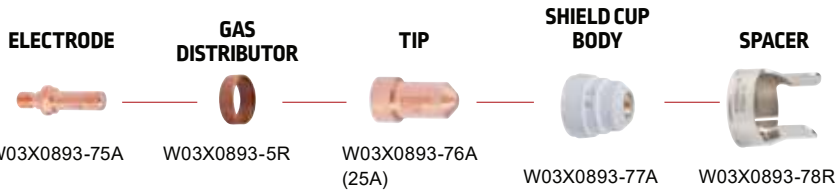
Material : Mild Steel
Suggested speed : 90 cm/min
Suggested torch inclination: 55° from vertical
Suggested Air pressure : 4,0-4,5 bar
Print on metal piece : 0,111 cm^2
Material removal capability : 10 cm^3/min.

	LC65	LC105
Torch (Hand 7,5 m) (1 pc)	**PTH-061A-CX-7M5A**	**PTH-101A-CX-7M5A**
Torch (Hand 15 m) (1 pc)	**PTH-061A-CX-15MA**	**PTH-101A-CX-15MA**

10/12 mm

LC 25 (Hand)

LC 25 Hand 3M	PTH-C25A-SL-3MR



Part		Quantity	Reference
Electrode		10	W03X0893-75A
Gas distributor		3	W03X0893-5R
Tip	shielded - 25A	10	W03X0893-76A
Shield cap body		1	W03X0893-77A
Spacer	40 - 80A	3	W03X0893-78R

PLASMA-BOX LC25
W03X0893-118A

25/30 mm

LC 65 (Hand)

LC 65 Hand 7,5M	PTH-061A-CX-7M5A
LC 65 Hand 15M	PTH-061A-CX-15MA

ELECTRODE

W03X0893-25A
(contact, stand off, shielded & gouging)

W03X0893-53A
(extended)

GAS DISTRIBUTOR

W03X0893-50R

TIP

W03X0893-26A (40A) (contact)
W03X0893-27A (40A)
W03X0893-28A (50A)
W03X0893-29A (60A) (stand off)
W03X0893-33A (50A)
W03X0893-34A (60A) (shielded)
W03X0893-39A (gouging)
W03X0893-40A (40A)
W03X0893-54A (60A) (extended)

RETAINING CAP

W03X0893-41A

SHIELD CUP BODY

W03X0893-43A

SPACER

W03X0893-14R

SHIELD CAP

W03X0893-44A

W03X0893-48A

W03X0893-21A

CONTACT
STAND OFF
SHIELDED
GOUGING
EXTENDED

Part	Quantity	Reference
Electrode	25	W03X0893-25A
	3	W03X0893-53A
Gas distributor	2	W03X0893-50R
Tip	10	W03X0893-29A
	5	W03X0893-34A
	3	W03X0893-39A
	3	W03X0893-54A
Retaining cap	1	W03X0893-41A
Shield cap body	1	W03X0893-43A
Spacer	1	W03X0893-14R
Shield cap	1	W03X0893-44A
	1	W03X0893-48A
	1	W03X0893-21A
O-ring	2	-
Silicone lubricant for o-ring	1	-

PLASMA-BOX LC65
W03X0893-113A

LC 65M (Machine)

LC 65M Machine 7,5M	PTM-061A-CX-7M5A
LC 65M Machine 15M	PTM-061A-CX-15MA

ELECTRODE

W03X0893-25A

GAS DISTRIBUTOR

W03X0893-50R

TIP

W03X0893-52A (40A)
W03X0893-33A (50A)
W03X0893-34A (60A)

SHIELD CUP BODY

W03X0893-43A

SHIELD CAP

W03X0893-46A

SHIELDED

LC 105 (Hand)

LC 105 Hand 7,5M	PTH-101A-CX-7M5A
LC 105 Hand 15M	PTH-101A-CX-15MA

ELECTRODE

W03X0893-60A
(shielded & gouging)

W03X0893-57A
(extended)

GAS DISTRIBUTOR

W03X0893-70R

TIP

W03X0893-61A (40A)
W03X0893-62A (60A)
W03X0893-63A (80A)
W03X0893-64A (100A)
(shielded)

W03X0893-65A
(gouging)

W03X0893-58A (40A)
W03X0893-59A (60A)
W03X0893-72A (80A)
W03X0893-73A (100A)
(extended)

SHIELD CUP BODY

W03X0893-66A

SHIELD CAP

W03X0893-67A — SHIELDED

W03X0893-69A — GOUGING

W03X0893-74A — EXTENDED

Part	Quantity	Reference
Electrode	20	W03X0893-60A
	3	W03X0893-57A
Gas distributor	2	W03X0893-70R
Tip	5	W03X0893-62A
	15	W03X0893-64A
	5	W03X0893-65A
	3	W03X0893-73A
Shield cap body	1	W03X0893-66A
Shield cap	1	W03X0893-67A
	1	W03X0893-69A
	1	W03X0893-74A
O-ring	2	-
Silicone lubricant for o-ring	1	-

PLASMA-BOX LC105
W03X0893-115A

LC 105M (Machine)

LC 105M Machine 7,5M	PTM-101A-CX-7M5A
LC 105M Machine 15M	PTM-101A-CX-15MA

ELECTRODE

W03X0893-101A

GAS DISTRIBUTOR

W03X0893-102A (40-80A)
W03X0893-103A (100A)

TIP

W03X0893-104A (40A)
W03X0893-105A (60A)
W03X0893-106A (80A)
W03X0893-107A (100A)

SHIELD CUP BODY

W03X0893-66A
W03X0893-112A (OHMIC)

SHIELD CAP

W03X0893-110A (40-80A)
W03X0893-111A (100A)

SHIELDED

Part	Quantity	Reference
Electrode	20	W03X0893-101A
Gas distributor	1	W03X0893-102A
	2	W03X0893-103A
Tip	5	W03X0893-105A
	10	W03X0893-106A
	20	W03X0893-107A
Shield cap body	1	W03X0893-112A
Shield cap	2	W03X0893-110A
	2	W03X0893-111A
O-ring	2	-
Silicone lubricant for o-ring	1	-

PLASMA-BOX LC105M
W03X0893-117A


FOOSE

CUSTOMER ASSISTANCE POLICY

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