



PLASMA CUTTING

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PROFESSIONAL IN WELDING

CUT-40Di/40MV

Professional-grade plasma metal cutting for handheld cutting 10mm.



Capacity	Thickness	Cut speed
Recommended	Cutting	
	10mm	500mm/min
	15mm	250mm/min
Severance (hand cutting)	18mm	125mm/min
Pierce*	12mm	

*Pierce rating for handheld use or with automatic torch height control

Versatile design

- Auto-reconnects for single phase 115/230V 50/60 Hz input allows the flexibility to work in the shop or take in the field where 230V may not be available(CUT-40MV).
- HF type or Non-HF type available: Starts without high-frequency so it will not interfere with or damage controls or computers.

Easy-to-use

- Small size and light weight provides exceptional portability for a 10mm rated cutting system.
- Pilot Arc makes it easy to use – even for first time operators.

Finish jobs faster

- Spend less time on grinding and edge preparation due to superior cut quality.
- Finish jobs faster with cut speeds greater than oxyfuel on mild steel.

Rugged and reliable

- TOPWELL Certified reliability ensures performance in the most demanding environment.
- Powercool design cools internal components more effectively for long system life and improved uptime.

Technical specifications

Item No	CUT-40Di	CUT-40MV
Rated Input Voltage	1PH ~ 230V ±15%	1PH ~ 115/230V ±15%
Max. Load Power Capacity	6.25KVA	5.05KVA
Rated Duty Cycle(40°C) 60%	40A/100V	40A/100V
100%	30A/95V	30A/95V
Welding Current/Voltage Range	20A/90V~40A/96V	20A/90V~40A/96V
Open Circuit Voltage	260V~290V	260V~290V
Power Factor	0.8	0.99
Efficiency	80%	80%
Required Air Pressure	0.3~0.5MPa	0.3~0.5MPa
Gas Pro-flow/Retard Time	Preset	Preset
Quality Cutting Thickness(500mm/min)	10mm	10mm
Severance Cutting Thickness(125mm/min)	18mm	18mm
Dimension (LxWxH)	410x185x310mm	410x185x310mm
Weight (KG)	12KG	12KG

Accessories

CUT-40Di/40MV

For Standard accessories



PLASMA torch: HTM50-CB
 Current: 50 Amp
 Duty Cycle: 60%
 Gas: AIR
 Gas Pressure: 4.5 5.0 Bar
 Gas Flow: 120 LPM
 Ignition: HF
 Post Flow: 50 sec.recommended
 Standard Length: 6M



Earth clamp

For Optional accessories



PLASMA torch: Trafimet S45
 Voltage class: M
 Standard Length: 6M
 Air consumption: 115 l/min
 Air pressure: 5 bar
 Duty Cycle 60%: 40A
 Air pressure switch: ≥3. 5bar
 Ignition: Without HF



PLASMA torch: Trafimet S45
 Voltage class: M
 Standard Length: 6M
 Air consumption: 115 l/min
 Air pressure: 5 bar
 Duty Cycle 60%: 40A
 Air pressure switch: ≥3. 5bar
 Ignition: Without HF

CUT-60Di/70H

Professional-grade plasma metal cutting for handheld cutting 18 mm and mechanized piercing 14 mm.



CUT-60Di

Capacity	Thickness	Cut speed
Recommended	Cutting	
	15mm	500mm/min
	20mm	250mm/min
Severance (hand cutting)	25mm	125mm/min
Pierce*	16mm	

*Pierce rating for handheld use or with automatic torch height control

CUT-70H

Capacity	Thickness	Cut speed
Recommended	Cutting	
	18mm	500mm/min
	23mm	250mm/min
Severance (hand cutting)	32mm	125mm/min
Pierce*	18mm	

*Pierce rating for handheld use or with automatic torch height control

Technical specifications

Item No	CUT-60Di	CUT-70H
Rated Input Voltage	1PH ~ 230V ±15%	3PH ~ 400V ±15%
Max. Load Power Capacity	10.31KVA	11.14KVA
Rated Duty Cycle(40°C) 60%	60A/110V	70A/115V
100%	50A/105V	50A/105V
Welding Current/Voltage Range	20A/90V~60A/110V	20A/90V~70A/115V
Open Circuit Voltage	260V~290V	260V~290V
Power Factor	0.8	0.85
Efficiency	80%	85%
Required Air Pressure	0.3~0.5MPa	0.3~0.5MPa
Gas Pro-flow/Retard Time	Preset	Preset
Quality Cutting Thickness(500mm/min)	15mm	18mm
Severance Cutting Thickness(125mm/min)	25mm	32mm
Dimension (LxWxH)	540X240X480mm	540X240X480mm
Weight (KG)	19KG	19KG

Easy-to-use with versatile design

- Powerful design provides exceptional portability for a 15mm and 18mm rated cutting system.
- HF type or Non-HF type available: Starts without high-frequency so it will not interfere with or damage controls or computers.
- Pilot Arc makes it easy to use – even for first time operators.

Rugged and reliable

- TOPWELL Certified reliability ensures performance in the most demanding environment.
- Powercool design cools internal components more effectively for long system life and improved uptime.

Finish jobs faster

- Spend less time on grinding and edge preparation due to superior cut quality.
- Finish jobs faster with cut speeds three times greater than oxyfuel on 12 mm mild steel.

Accessories

CUT-60Di/70H

For Standard accessories



PLASMA torch: HT70-CB
 Current: 70 Amp
 Duty Cycle: 60%
 Gas: AIR
 Gas Pressure: 4.5 5.0 Bar
 Gas Flow: 130 LPM
 Ignition: HF
 Post Flow: 70 sec.recommended
 Standard Length: 6M



Earth clamp

For Optional accessories



PLASMA torch: Trafimet S75
 Voltage class: M
 Standard Length: 6M
 Air consumption: 150 l/min
 Air pressure: 5 bar
 Duty Cycle 60%: 70A
 Duty Cycle 100%: 50A
 Ignition: Without HF

CUT-100H/130H

Professional-grade plasma metal cutting for handheld cutting 30mm/36mm and mechanized piercing 20mm/25mm. CNC available



CUT-100H

Capacity	Thickness	Cut speed
	Cutting	
Recommended	20mm(CNC)	1350mm/min
	30mm	500mm/min
	40mm	250mm/min
Severance (hand cutting)	50mm	125mm/min
Pierce*	16mm(HF) / 18mm(Non-HF)	

*Pierce rating for handheld use or with automatic torch height control

Maximum productivity

- Finish jobs faster with cut speeds three times greater than oxyfuel on 12 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut quality.

Easy-to-use with versatile design

- Powerful design provides exceptional portability for a 30mm rated cutting system.
- HF type or Non-HF type available: Starts without high-frequency so it will not interfere with or damage controls or computers.
- Pilot Arc makes it easy to use – even for first time operators.

CUT-130H

Capacity	Thickness	Cut speed
	Cutting	
Recommended	20mm(CNC)	1350mm/min
	36mm	500mm/min
	42mm	250mm/min
Severance (hand cutting)	57mm	125mm/min
Pierce*	18mm	

*Pierce rating for handheld use or with automatic torch height control

Low operating costs

- Reduce costs with long consumable life and more uptime.

Rugged and reliable

- TOPWELL Certified reliability ensures performance in the most demanding environment.
- Powercool design cools internal components more effectively for long system life and improved uptime.

Technical specifications

Item No	CUT-100H	CUT-130H
Rated Input Voltage	3PH ~ 400V ±15%	3PH ~ 400V ±15%
Max. Load Power Capacity	17.99KVA	26.09KVA
Rated Duty Cycle(40°C) 60%	100A/130V	130A/145V
100%	80A/120V	100A/130V
Welding Current/Voltage Range	20A/90V~100A/130V	20A/90V~130A/145V
Open Circuit Voltage	390V	390V
Power Factor	0.85	0.85
Efficiency	85%	85%
Required Air Pressure	0.3~0.5MPa	0.3~0.5MPa
Gas Pro-flow/Retard Time	Preset	Preset
Quality Cutting Thickness(500mm/min)	30mm	36mm
Severance Cutting Thickness(125mm/min)	50mm	57mm
Dimension (LxWxH)	680x310x650mm	680x310x650mm
Weight (KG)	45kg	45kg

Accessories

CUT-100H/130H

For Standard accessories



PLASMA torch: Trafimet A101
Voltage class: M
Standard Length: 6M
Air consumption: 180 l/min
Air pressure: 5 bar
Duty Cycle 60%: 100A
Duty Cycle 100%: 75A
Ignition: HF



PLASMA torch: Trafimet S105
Voltage class: M
Standard Length: 6M
Air consumption: 180 l/min
Air pressure: 5 bar
Duty Cycle 60%: 100A
Duty Cycle 100%: 70A
Ignition: Without HF

For Optional accessories



PLASMA torch: Trafimet A141P
Voltage class: M
Standard Length: 6M
Air consumption: 210 l/min
Air pressure: 5 bar
Duty Cycle 60%: 140A
Duty Cycle 100%: 100A
Ignition: HF



PLASMA torch: Trafimet S105P
Voltage class: M
Standard Length: 6M
Air consumption: 180 l/min
Air pressure: 5 bar
Duty Cycle 60%: 100A
Duty Cycle 100%: 70A
Ignition: Without HF

CUT-160HC/200HC

Delivers superior cutting performance across a broad range of applications needs, professional-grade metal cutting for CNC System.



CUT-160HC

Capacity	Thickness
Quality Cutting Thickness(1000mm/min)	Cutting 30mm
Maximum Cutting Capacity	50mm
Pierce*	25mm

*Pierce rating for handheld use or with automatic torch height control

Maximum productivity

- Finish jobs faster with cut speeds three times greater than oxyfuel on 12 mm mild steel.
- Spend less time on grinding and edge preparation due to superior cut quality.

Easy-to-use with versatile design

- Powerful design provides exceptional portability for a 30mm rated cutting system.
- HF type or Non-HF type available: Starts without high-frequency so it will not interfere with or damage controls or computers.
- Pilot Arc makes it easy to use – even for first time operators.

CUT-200HC

Capacity	Thickness
Quality Cutting Thickness(1000mm/min)	Cutting 25mm
Maximum Cutting Capacity	64mm
Pierce*	30mm

*Pierce rating for handheld use or with automatic torch height control

Low operating costs

- Reduce costs with long consumable life and more uptime.

Rugged and reliable

- TOPWELL Certified reliability ensures performance in the most demanding environment.
- Powercool design cools internal components more effectively for long system life and improved uptime.

Technical specifications

Item No	CUT-160HC	CUT-200HC
Rated Input Voltage	3PH ~ 400V ±15%	3PH ~ 400V ±15%
Max. Load Power Capacity	35.43KVA	49.82KVA
Rated Duty Cycle(40°C) 60%	160A/160V	200A/180V
100%	130A/145V	160A/160V
Welding Current/Voltage Range	20A/90V~160A/160V	20A/90V~200A/180V
Open Circuit Voltage	390V	390V
Power Factor	0.85	0.85
Efficiency	85%	85%
Required Air Pressure	0.3~0.5MPa	0.3~0.5MPa
Gas Pro-flow/Retard Time	Preset	Preset
Cut Angle	3°	2.5°
Quality Cutting Thickness(1000mm/min)	20mm	25mm
Maximum Cutting Capacity	60mm	64mm
Dimension (LxWxH)	960x420x1100mm	960x420x1100mm
Weight (KG)	80kg	80kg

Accessories

CUT-160HC/200HC

For Standard accessories



PLASMA torch: Fine-200A
Voltage class: M
Standard Length: 6M
Air consumption: 38 l/min
Air pressure: 5 bar
Duty Cycle 60%: 200A
Air pressure switch: 1.4L/mim
Cutting thickness: 30mm



Earth clamp

For Optional accessories



PLASMA torch: Trafimet AW201P
Voltage class: M
Standard Length: 6M
Air consumption: 38 l/min
Air pressure: 4 bar
Duty Cycle 100%: 200A
Air pressure switch: 1.4L/mim
Cutting thickness: 40-50mm
Ignition: HF