



UPC-NEO NG with Upgraded UPH-125 Torch

Portable Plasma Cutter with Flatcut and Longcut Features

The UPC-NEO NG is a high-performance plasma cutting and gouging machine that offers an excellent weight-to-cutting ratio. It can cut up through steel up to 40mm thickness with a portable weight of 25kg. Coupled with an IP23 Ingress Protection rating, the UPC-NEO NG is the ideal steel cutting companion for any outdoor job or any part of a vessel.

The UPC-NEO NG provides superior cutting quality and versatility compared to the traditional oxy-fuel cutting process. With the new UPH-125 torch, it enables superior cutting versatility with Flatcut and Longcut technology. Users can cut a wide range of electrically conductive steels such as mild and stainless steels, castings, aluminum, titanium, and copper alloys, while achieving less distortion and a smaller Heat-Affected Zone.

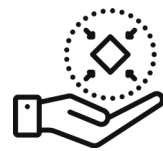
The UPC-NEO NG is designed for use in the maritime environment, in accordance with EN 60974-1 safety standards. It further conforms to the latest EU Ecodesign Directive (Directive 2009/125/EC), enabling energy savings with lower power consumption. The aluminum casing body protects it from corrosion while further enhancing portability.



Wider Material Cutting Range



Higher Cutting Speed and Productivity



Portable and Compact

Features and benefits

- Tested and rated IP23, making it suitable for outdoor use with high resistance to dust and moisture
- Performs recommended cut of 20mm at cutting speed of 500mm/min and quality cut of 25mm at cutting speed of 200mm/min
- New UPH-125 torch enables Flatcut for angle cutting and Longcut for cutting in difficult to reach areas
- Built-in Total Protection (TP) function protects machine against phase loss from incoming input power supply
- Equipped with Intelligent Voltage Reading (IVR) function to indicate the end of life for plasma consumables
- Equipped with Part In Place (PIP) function to warn if plasma consumables are not correctly mounted on the torch
- Self-regulation of input supply enables cutting to occur far from the distribution panel, with extension cable of 50m from a 400V 3ph input

UPC-NEO NG with UPH-125 Torch Product Number: 404270

The Unitor Plasma Cutter UPC-NEO NG is equipped with:

- ☑ Machine supply complete with a 4.0m primary cable
- ☑ UPH-125 torch with 6m cable
- ☑ Return clamp with 6m cable with Dix25 connector
- ☑ Initial supply consumables kit consisting of:
 - 3x Electrode, 3x Tip Cutting, 1x Shield Cup
- ☑ Air regulator with filter and water separator mounted on the machine
- ☑ User instruction manual

Product	Product Number
Consumables Set consists of: <ul style="list-style-type: none">• 10 pcs Electrode UPH-125 (404230)• 10 pcs Tip Cutting UPH-125 (404235)• 1 pc Swirl Ring UPH-125 (404225)• 2 pcs Shield Cup Body UPH-125 (404240)• 2 pcs Shield Cap UPH-125 (404245)• 3 pcs O-Ring	404260

Dimensions/Weight

Dimensions L x W x H [mm]	620x225x360mm
Weight [KG]	25 KG

Technical Data

Power Supply	380-440V +10% 3~50/60 Hz
Mains Fuse Minimum (Slow blow)	380-440V 3P: 16A
Maximum Power	380-440V 3P: 11, 80KVA
Process Power	380-440V 3P: 88V-20A/108V-70A
Air Supply NB! Dry and Oil Free	5-5,5 bar 150 L/MIN
Duty Cycle @ 40°	35% @ 70A 60% @ 55A 100% @ 50A
Power Factor	0,80
Efficiency	0,85
Idle State Power Consumption	21W
Open Circuit Voltage	320V
Protection Class	IP 23
Environmental Conditions	Cutting: -10°C + 40°C Transport and storage: -20°C + 55°C
Cooling	Forced
Temperature Class	H
Severance Cut	40mm
Quality Cut	25mm @ 200mm/min
Recommended Cut	20mm @ 500mm/min

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