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# UPC-NEO NG PLASMA CUTTER COMPLETE

Product group: 192 Product number: 404200

The UPC-NEO NG is a new-generation, high performance, portable manual plasma cutting and gouging machine. It offers excellent weight-to-cutting ratio, can cut up to 40mm thickness of steel while weighing only 25kg.



## Product information

### EU Ecodesign Compliant Welding Machine

#### Supplied with:

- Torch with 6m cable (connected directly to machine)
- Return clamp with 6m cable and DIX25 connector
- 4m primary cable mounted on the machine
- Initial supply consumables kit consisting of 2 x Electrode, 2 x Tip Cutting, 1 x Cartridge and 1 x Shield Cup
- Air regulator with filter and water separator mounted on machine

Note: Plug for the primary cable must fit the socket types used on board and is therefore not included.

#### Features

- Performs recommended cut of 20mm at cutting speed of 500mm/min and quality cut of 25mm at cutting speed of 250mm/min
- Equipped with Intelligent Voltage Reading (IVR) function to indicate the end of life for plasma consumables and Part In Place (PIP) function to warn if plasma consumables are not correctly mounted on the torch
- Built-in Total Protection (TP) function to protect machine against phase loss from incoming input power supply
- Self-regulation of input supply enables cutting to occur far from the distribution panel, with extension cable of 50m from a 400V 3ph input
- Torch with safety trigger as per CE standard and "Reset" button to avoid accidental trigger
- IP23 ingress protection with high resistance to dust and moisture

#### Benefits

- Safe and compliant for maritime and outdoor use
- Superior reliability in tough maritime environment
- Excellent cutting performance and versatile as it can cut a wide range of electrically conductive steels such as mild and stainless steels, castings, aluminium, titanium as well as copper alloys
- Quality cut with lesser distortion and smaller Heat-Affected Zone (HAZ) compared to traditional oxy-fuel cutting process
- Spare part kit available for easy repair and to minimise downtime

## Specification

### General

Invent Hazard Material (IMO/EU) classification	NA
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### Dimensions/Weight

Dimensions L x W x H [mm]	620 x 225 x 360
Weight [kg]	25

### Technical data

Air flow [l/min]	150
Air pressure [bar]	5.0 - 5.5
Duty cycle [%]	35%
Ingress protection	IP23S
Temperature class	H
Voltage [V]	3 phase 380-440V 50/60Hz main supply

## Documents

[SDoC and MD for IHM](#)

## Related products

### Accessories

**624585**

AIR LINE UNIT FIL/REG/LUB

**176024**

PORTABLE WELD.TABLE

**310326**

CIRCLE CUTT. GUIDE F/UPC-310ML, UPC-NEO NG

**404204**

TORCH SL60 WITH 6M CABLE F/UPC-NEO NG

Spares

**404208**

TOTAL REPAIR KIT F/UPC-NEO NG

Consumables

**310336**

TIP DRAG CUTTING FOR UPC-310ML/UPC-85ML, SET OF 5 PCS

**310334**

ELECTRODE FOR UPC-310MUPC-85ML, SET OF 5 PCS

**310335**

START CARTRIDGE FOR UPC-310ML/UPC-85ML

**310333**

TORCH HEAD FOR UPC-310ML/UPC-85ML

**310337**

SHIELD CUP BODY FOR UPC-310ML/UPC-85ML

**404173**

SHIELD CUP BODY MAX LIFE FOR UPC-85ML

**404169**

SHIELD CUP 80-100A FOR UPC-85ML

**404161**

SHIELD CUP GOUGING FOR UPC-85ML

**404202**

CONSUMABLES KIT F/UPC-NEO NG

**404201**

TIP STAND OFF CUTTING F/UPC-NEO NG, SET OF 5 PCS

**404203**

TIP GOUGING F/UPC-NEO NG, SET OF 5 PCS

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