

# PLASMA 100-50 INVERTER



**INVERTER**



The three-phase power source with inverter technology for metal plasma cutting, **PLASMA 100-50 INVERTER** is characterised by compact design, low weight, automatic setting of appropriate voltage within the following ranges: 3x208/220/230V and 400/440V, user-friendliness and cutting high-efficiency. It's suitable for medium-scale manual and automatic production applications. An **optional CNC interface** allows an easy integration with pantographs.

The recommended steel thickness to obtain the best cutting quality is **32 mm**, but it is possible to cut up to **38 mm**. The separation thickness is **50 mm**.

The **lack of High-Frequency start** makes it possible to work next to computers, medical equipment, instruments and any other electronic devices sensitive to high frequency emissions.

It can be **connected** to **motor-driven generators** of adequate power.

## MAIN FEATURES

- **Automatic setting of appropriate voltage** within the following ranges: 3x208/220/230V and 400/440V.
- **Pilot Arc** to cut painted or coated metals.
- **Self Restart Pilot** function for nets and grids cutting.
- **Ultra Cut Capacity** technology to improve the cutting capacities on high thicknesses.
- **Innovative Thin Cut** technology that allows to obtain cuts of superior quality and reduced kerf (amount of removed material).
- **Hyper Speed Cut** technology enhancing the cutting speed.
- **Microprocessor**-controlled cutting parameters and functions.
- **Safety systems** on the torch.
- Cutting current is not affected by voltage fluctuations, by change of distance between torch and piece as well as by the torch travelling speed.
- Its standard equipment includes a **6 metre-long torch** and a grounding cable.

## INVERTER POWER SOURCE FOR PLASMA CUTTING

### TECHNICAL DATA

|  |                            | <b>PLASMA 100-50 INVERTER</b>              |  |
|--|----------------------------|--|--|
|  | Item                       |  |  |
|  | Code                       | <b>P00456</b>                              |  |
|  | Input voltage              | 3x208-220-230V 50-60Hz                     | 3x400-440V 50-60Hz                         |
|  | Absorbed power             | 35% 60% 100%<br>13,9 kVA 11,3 kVA 10,1 kVA | 50% 60% 100%<br>16,6 kVA 15,8 kVA 14,1 kVA |
|  | Cutting current            | 20 ÷ 80 A                                  | 20 ÷ 100 A                                 |
|  | Duty cycle                 | 35% 60% 100%<br>80A 65A 58A                | 50% 60% 100%<br>100A 95A 85A               |
|  | Max. cut thickness (steel) | 32 – 38 mm                                 |  |
|  | Coarse cutting capacity    | 50 mm                                      |  |
|  | Maximum piercing capacity  | 20 mm                                      |  |
|  | Compressed air consumption | 295 l/min.                                 |  |
|  | Protection class           | IP 23                                      |  |
|  | Construction standards     | EN60974-1 EN60974-7 EN60974-10             |  |
|  | Dimensions                 | 330x450x540h mm                            |  |
|  | Weight                     | 36 kg                                      |  |

We reserve the right to introduce changes without notice