

# EVO Plasma CUT 45 PFC Compressor

ORDER CODE **EP-45SC**

**JASIC®** | EVO Series



The Jasic EVO CUT 45SC is a high-performance digital inverter plasma cutter, engineered with advanced PFC technology for outstanding cutting performance.

The EP-45SC comes complete with integrated compressor making it the ideal mobile solution where workshop compressed air is not available. Its ClearVision display ensures excellent visibility in any lighting, while the digital encoder allows precise and effortless parameter adjustment.

Built with a unique electrical architecture and Active Balancing Air Passage, the EVO CUT 45 delivers an extended duty cycle and exceptional reliability, even in the harshest conditions—further reinforced by its IP23 protection rating.

An auto sleep mode provides industry-leading energy efficiency, while the mesh cutting facility ensures smooth, consistent performance on mesh and perforated materials.

Optional extras include a TFT-LCD display, CNC wiring kit, and trolley, offering maximum flexibility for site or workshop applications.



## KEY FEATURES

- With in-built compressor
- Rugged, ergonomic design
- **ClearVision** technology
- Adaptable wide voltage range
- Welding engineer mode
- **SurePlasma** technology for consistent arc ignition performance with different torch lengths
- Mesh cutting, 2T/4T, non HF arc ignition and pilot arc
- Gas check, postflow time setting, cutting torch length setting
- Power factor correction (PFC), generator friendly
- Quick factory reset; auto sleep mode
- **ABAP: Active Balancing Air Passage**
- Fan on demand
- Key power electronic component protection
- Overcurrent and overheat protection
- TFT screen (optional)

## TECHNICAL DATA

|                                     | AC 95-265V, 50/60 Hz |                   |
|-------------------------------------|----------------------|-------------------|
|                                     | AC 115V              | AC 230V           |
| Input voltage                       |                      |                   |
| No load voltage                     |                      | 300V              |
| I <sub>eff</sub>                    | 26A                  | 15A               |
| Rated input power                   | 10kVA                | 6.2kVA            |
| Current range                       | 20-30A               | 20-45A            |
| Arc starting                        |                      | Non HF            |
| Rated duty cycle @ 40°C             |                      | 25%               |
| Clean cut (carbon steel)/@400mm/min | 5mm                  | 12mm              |
| Severance (carbon steel)            | 10mm                 | 20mm              |
| Efficiency                          |                      | 86%               |
| Power factor                        |                      | 0.99              |
| Idle state power                    |                      | <50W              |
| Protection class                    |                      | IP23S             |
| Insulation class                    |                      | H                 |
| Dimensions LxWxH                    |                      | 548 x 187 x 558mm |
| Weight                              |                      | 26.5Kg            |
| Recommended generator size          | 10kVA                | 9.5kVA            |

## STANDARD ACCESSORIES

6m Hand Plasma Torch (JE60-6),  
3m Earth Clamp, Compressor

## OPTIONAL ACCESSORIES

TFT Screen (TFT- EP-45P), Circle Cutting Kit (51865),  
Trolley (TR-01/TR-02)