

# Master S

POWERFUL, EFFICIENT, VALUE

23.04.2024



Designed for welders



## TECHNICAL SPECIFICATIONS

### Master S 400

|                                  |                        |
|----------------------------------|------------------------|
| Product code                     | 632140001              |
| Connection voltage 3~ 50/60 Hz   | 380 - 440 V $\pm 10\%$ |
| Fuse (delayed)                   | 25 A                   |
| Open circuit voltage in VRD mode | < 35 V                 |
| Output (TIG) 60% ED              | 400 A/26.0 V           |
| Output (TIG) 100% ED             | 310 A/22.4 V           |
| Output (MMA) 60% ED              | 400 A/36.0 V           |
| Output (MMA) 100% ED             | 310 A/32.4 V           |
| Open circuit voltage             | 80 – 95V               |
| Stick electrode sizes            | 1.6...6.0 mm           |
| Operating temperature range      | -20...+50 °C           |
| External dimensions LxWxH        | 570 × 270 × 340 mm     |
| Weight (no accessories)          | 20.5 kg                |
| Degree of protection             | IP23S                  |

### Master S 500

|                                  |                        |
|----------------------------------|------------------------|
| Product code                     | 632150001              |
| Connection voltage 3~ 50/60 Hz   | 380 - 440 V $\pm 10\%$ |
| Fuse (delayed)                   | 35 A                   |
| Open circuit voltage in VRD mode | < 35 V                 |
| Output (TIG) 60% ED              | 500 A/30.0 V           |
| Output (TIG) 100% ED             | 390 A/25.6 V           |
| Output (MMA) 60% ED              | 500 A/40.0 V           |
| Output (MMA) 100% ED             | 390 A/35.6 V           |
| Open circuit voltage             | 80 – 95 V              |
| Stick electrode sizes            | 1.6...7.0 mm           |
| Operating temperature range      | -20...+50 °C           |
| External dimensions LxWxH        | 570 × 270 × 340 mm     |
| Weight (no accessories)          | 23.5 kg                |
| Degree of protection             | IP23S                  |



## Master S 400 AU

|                                  |                        |
|----------------------------------|------------------------|
| Product code                     | 6321400AU              |
| Connection voltage 3~ 50/60 Hz   | 380 - 440 V $\pm 10\%$ |
| Fuse (delayed)                   | 25 A                   |
| Open circuit voltage in VRD mode | < 35V                  |
| Output (TIG) 60% ED              | 400 A/26.0 V           |
| Output (TIG) 100% ED             | 310 A/22.4 V           |
| Output (MMA) 60% ED              | 400 A/36.0 V           |
| Output (MMA) 100% ED             | 310 A/32.4 V           |
| Stick electrode sizes            | 1.6...6.0 mm           |
| Operating temperature range      | -20...+50 °C           |
| External dimensions LxWxH        | 570 × 270 × 340 mm     |
| Weight (no accessories)          | 20.5 kg                |
| Degree of protection             | IP23S                  |

## Master S 500 AU

|                                  |                        |
|----------------------------------|------------------------|
| Product code                     | 6321500AU              |
| Connection voltage 3~ 50/60 Hz   | 380 - 440 V $\pm 10\%$ |
| Fuse (delayed)                   | 35 A                   |
| Open circuit voltage in VRD mode | < 35V                  |
| Output (TIG) 60% ED              | 500 A/30 V             |
| Output (TIG) 100% ED             | 390 A/25.6 V           |
| Output (MMA) 60% ED              | 500 A/40 V             |
| Output (MMA) 100% ED             | 390 A/35.6 V           |
| Stick electrode sizes            | 1.6...6.0 mm           |
| Operating temperature range      | -20...+50 °C           |
| External dimensions LxWxH        | 570 × 270 × 340 mm     |
| Weight (no accessories)          | 23.5 kg                |
| Degree of protection             | IP23S                  |

## ACCESSORIES

### Welding cable 5 m 50 mm<sup>2</sup>

|              |         |
|--------------|---------|
| Product code | 6184501 |
|--------------|---------|

### Earth return cable 50 mm<sup>2</sup>, 10 m

|              |         |
|--------------|---------|
| Product code | 6184512 |
|--------------|---------|

### Earth return cable 70 mm<sup>2</sup>, 5 m

|              |         |
|--------------|---------|
| Product code | 6184711 |
|--------------|---------|



Earth return cable 70 mm², 10 m

|              |         |
|--------------|---------|
| Product code | 6184712 |
|--------------|---------|

Remote control R10

|              |                                             |
|--------------|---------------------------------------------|
| Product code | R10, 5 m - 6185409<br>R10, 10 m - 618540901 |
|--------------|---------------------------------------------|

Remote control R11T

|              |         |
|--------------|---------|
| Product code | 6185442 |
|--------------|---------|

Slide bars

|              |          |
|--------------|----------|
| Product code | SP007023 |
|--------------|----------|

Electrode holders

|              |                                                                                                                                                      |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description  | Electrode holders                                                                                                                                    |
| Product code | Kemppi 300 – 9871021, Kemppi 400 – 9871031, Urania 5 – 9871041, Urania 6 – 9871051, Myking 200 – 9871060, Myking 450 – 9871070, Myking 600 – 9871080 |

[WWW.KEMPPI.COM](http://WWW.KEMPPI.COM)

---

**Kemppi** is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

