

## Features

|                                   | Sigma Select C 400  <br>400 IAC | Omega <sup>2</sup> 300 | PI TIG 350 AC/DC |
|-----------------------------------|---------------------------------|------------------------|------------------|
| Advanced control panel            |                                 | ✓                      |                  |
| Graphic control panel             | ✓                               |                        |                  |
| Intelligent Gas Control®          | ✓                               | ✓                      | ✓                |
| Synergic welding programs         | ✓                               | ✓                      | ✓                |
| DUO Plus™                         | ✓                               |                        |                  |
| Sequence                          | ✓                               |                        |                  |
| Sequence Repeat™                  | ✓                               |                        |                  |
| MigaLog                           | ✓                               |                        |                  |
| Intelligent Arc Control™          | ✓                               |                        |                  |
| Pulse                             | ✓                               |                        | ✓                |
| TIG-A-Tack™                       |                                 |                        | ✓                |
| Synergy Plus                      |                                 |                        | ✓                |
| Dynamic Oxide Control (D.O.C.)    |                                 |                        | ✓                |
| HF (Ignition with high-frequency) |                                 |                        | ✓                |
| Cold wire feeder                  |                                 |                        | ✓                |

## Technical specifications

|                                 | <b>Sigma Select C 400  <br/>400 IAC</b><br>Air cooled or water cooled | <b>Omega<sup>2</sup> 300</b><br>Air cooled      | <b>PI TIG 350 AC/DC</b><br>Water cooled                         |
|---------------------------------|---|---|---|
| Current range                   | 15-400 A  | 15-300 A  | 5-350 A   |
| Mains voltage +/- 15 %          | 3 × 400 V   | 3 × 400 V                                       | 3 × 400 V   |
| Fuse type C                     | 20 A  | 10 A  | 25 A  |
| Duty cycle 100 %/40 °C<br>(MIG) | 300 A/29.0 V   280 A/28.0 V   | 175 A/22.8 V                                    | 290 A/21.6 V  |
| Duty cycle 60 %/40 °C<br>(MIG)  | 370 A/32.5 V   350 A/31.5 V   | 195 A/23.8 V                                    | 350 A/24.0 V  |
| Duty cycle max./40 °C<br>(MIG)  | 400 A/50 %/34.0 V   400 A/40<br>%/34.0 V                              | 300 A/24 %/29.0 V                               | 350 A/60 %/24.0 V   |
| Duty cycle 100 %/20 °C<br>(MIG) | 345 A/31.5 V   310 A/29.5 V   | 230 A/25.5 V                                    | 340 A   |
| Duty cycle 60 %/20 °C<br>(MIG)  | 400 A/50 %/34.0 V   | 245 A/26.3 V                                    | 350 A   |
| Open circuit voltage            | 65-70 V   | 52 V  | 95 V  |
| Protection class                | IP 23   | IP 23S  | IP 23   |
| Standard                        | IEC60974-1, IEC60974-5,<br>IEC60974-10 Cl. A                          | EN/IEC60974-1, EN/IEC60974-5,<br>EN/IEC60974-10 | EN/IEC60974-1. EN/IEC60974-2. EN/IEC60974-3.<br>EN/IEC60974-10. |
| Dimensions (H × W × L)          | 700 mm × 260 mm × 735 mm  | 550 mm × 250 mm × 640 mm                        | 980 mm × 545 mm × 1090 mm                                       |
| Weight                          | 52 kg   53 kg   | 26 kg   | 72 kg   |

## Water cooling - Sigma Select C 400

|                                       |                          |
|---------------------------------------|--------------------------|
| Cooling output 1 l/min.               | 1300 W                   |
| Tank capacity                         | 5 L                      |
| Max. pressure in cooling system - bar | 5 bar                    |
| Dimensions (H × W × L)                | 207 mm × 260 mm × 680 mm |
| Weight incl. fluid                    | 20 kg                    |

## CoWelder Robot

### CoWelder™ UR5

6-jointed robot arm

### CoWelder™ UR10

6-jointed robot arm

|                                     |  |  |
|-------------------------------------|--|--|
| Weight                              | 18.4 kg  | 28.9 kg  |
| Weight, total (ex. welding machine) | 105 kg   | 115.5 kg   |
| Lifting ability                     | 5 kg   | 10 kg  |
| Working radius                      | 850 mm   | 1300 mm  |
| Degree of freedom, rotating joints  | 6 rotating joints                                | 6 rotating joints                                |
| Rotation of joints, +/- °           | 360 °  | 360 °  |
| Speed of rotating joints            | ≤ 180 °/s  | ≤ 180 °/s  |
| Repetitive accuracy, +/- mm         | 0.1 mm   | 0.1 mm   |
| Graphic touchscreen size            | 12"  | 12"  |
| Collaborative operation             | EN ISO 13849:2008 PL d EN ISO 10218-1:2011, 5.43 | EN ISO 13849:2008 PL d EN ISO 10218-1:2011, 5.43 |
| Safety functions                    | 15   | 15   |
| Power supply, VAC/Hz                | 100-240 VAC, 50-60 Hz                            | 100-240 VAC, 50-60 Hz                            |
| Power consumption                   | 200 W  | 300 W  |