

# X5 FastMig Pulse

## TECHNICAL SPECIFICATIONS

| X5 FastMig Pulse Power sources 400 A   | X5 Power Source 400 Pulse | X5 Power Source 400 Pulse WP | X5 Power Source 400 Pulse+ | X5 Power Source 400 Pulse+ WP | X5 Power Source 400 MV Pulse+                 | X5 Power Source 400 MV Pulse+ WP              |
|--|---------------------------|------------------------------|----------------------------|-------------------------------|---|---|
| Product code                           | X5130400000               | X5130400010                  | X5100400000                | X5100400010                   | X5100400100                                   | X5100400110                                   |
| Connection voltage 3~50/60 Hz          | 380 - 460 ±10 %           | 380 - 460 ±10 %              | 380 - 460 ±10 %            | 380 - 460 ±10 %               | 220 - 230 ±10 %<br>380 - 460 ±10 %            | 220 - 230 ±10 %<br>380 - 460 ±10 %            |
| Fuse                                   | 25 A                      | 25 A                         | 25 A                       | 25 A                          | 25 A @ [220 - 230 V];<br>32 A @ [380 - 460 V] | 25 A @ [220 - 230 V];<br>32 A @ [380 - 460 V] |
| Output 40% ED                          |                           |                              |                            |                               | 400 @ [220 - 230 V]                           | 400 @ [220 - 230 V]                           |
| Output 60% ED                          | 400 A                     | 400 A                        | 400 A                      | 400 A                         | 400 @ [380 - 460 V]                           | 400 @ [380 - 460 V]                           |
| Output 100% ED                         | 350 A                     | 350 A                        | 350 A                      | 350 A                         | 350 A   | 350 A   |
| Rated power at max. current            | 20 kVA                    | 20 kVA                       | 20 kVA                     | 20 kVA                        | 19 kVA  | 19 kVA  |
| Recommended generator power (min)      | 25 kVA                    | 25 kVA                       | 25 kVA                     | 25 kVA                        | 25 kVA  | 25 kVA  |
| Welding current and voltage range, MIG | 15 A/10 V ... 400 A/50V   | 15 A/10 V ... 400 A/50V      | 15 A/10 V ... 400 A/50V    | 15 A/10 V ... 400 A/50V       | 15 A/10 V ... 400 A/50V                       | 15 A/10 V ... 400 A/50V                       |
| Welding current and voltage range, TIG | 15 A/1 V ... 400 A/50V    | 15 A/1 V ... 400 A/50V       | 15 A/1 V ... 400 A/50V     | 15 A/1 V ... 400 A/50V        | 15 A/1 V ... 400 A/50V                        | 15 A/1 V ... 400 A/50V                        |
| Welding current and voltage range, MMA | 15 A/10 V ... 400 A/50V   | 15 A/10 V ... 400 A/50V      | 15 A/10 V ... 400 A/50V    | 15 A/10 V ... 400 A/50V       | 15 A/10 V ... 400 A/50V                       | 15 A/10 V ... 400 A/50V                       |
| External dimensions LxWxH              | 750 x 263 x 456 mm        | 750 x 263 x 456 mm           | 750 x 263 x 456 mm         | 750 x 263 x 456 mm            | 750 x 263 x 456 mm                            | 750 x 263 x 456 mm                            |
| Weight (no accessories)                | 39.5 kg                   | 39.5 kg                      | 39.5 kg                    | 39.5 kg                       | 39.5 kg                                       | 39.5 kg                                       |
| Degree of protection                   | IP23S                     | IP23S                        | IP23S                      | IP23S                         | IP23S   | IP23S   |
| EMC class                              | A                         | A                            | A                          | A                             | A   | A   |
| Operating temperature range            | -20...+40 °C              | -20...+40 °C                 | -20...+40 °C               | -20...+40 °C                  | -20...+40 °C                                  | -20...+40 °C                                  |
| Storage temperature range              | -40...+60 °C              | -40...+60 °C                 | -40...+60 °C               | -40...+60 °C                  | -40...+60 °C                                  | -40...+60 °C                                  |

| X5 FastMig Pulse Power sources 500 A | X5 Power Source 500 Pulse | X5 Power Source 500 Pulse WP | X5 Power Source 500 Pulse+ | X5 Power Source 500 Pulse+ WP |
|--------------------------------------|---------------------------|------------------------------|----------------------------|-------------------------------|
| Product code                         | X5130500000               | X5130500010                  | X5100500000                | X5100500010                   |
| Connection voltage 3~50/60 Hz        | 380...460 V ±10 %         | 380...460 V ±10 %            | 380...460 V ±10 %          | 380...460 V ±10 %             |
| Fuse                                 | 32 A                      | 32 A                         | 32 A                       | 32 A                          |
| Output 60% ED                        | 500 A                     | 500 A                        | 500 A                      | 500 A                         |
| Output 100% ED                       | 400 A                     | 400 A                        | 400 A                      | 400 A                         |
| Rated power at max. current          | 27 kVA                    | 27 kVA                       | 27 kVA                     | 27 kVA                        |

| <b>X5 FastMig Pulse Power sources 500 A</b> | <b>X5 Power Source 500 Pulse</b> | <b>X5 Power Source 500 Pulse WP</b> | <b>X5 Power Source 500 Pulse+</b> | <b>X5 Power Source 500 Pulse+ WP</b> |
|---|----------------------------------|-------------------------------------|-----------------------------------|--------------------------------------|
| Recommended generator power (min)           | 35 kVA                           | 35 kVA                              | 35 kVA                            | 35 kVA                               |
| Welding current and voltage range, MIG      | 15 A/10 V ... 500 A/50 V         | 15 A/10 V ... 500 A/50 V            | 15 A/10 V ... 500 A/50 V          | 15 A/10 V ... 500 A/50 V             |
| Welding current and voltage range, TIG      | 15 A/1 V ... 500 A/50 V          | 15 A/1 V ... 500 A/50 V             | 15 A/1 V ... 500 A/50 V           | 15 A/1 V ... 500 A/50 V              |
| Welding current and voltage range, MMA      | 15 A/10 V ... 500 A/50 V         | 15 A/10 V ... 500 A/50 V            | 15 A/10 V ... 500 A/50 V          | 15 A/10 V ... 500 A/50 V             |
| External dimensions LxWxH                   | 750 x 263 x 456 mm               | 750 x 263 x 456 mm                  | 750 x 263 x 456 mm                | 750 x 263 x 456 mm                   |
| Weight (no accessories)                     | 39.5 kg                          | 39.5 kg                             | 39.5 kg                           | 39.5 kg                              |
| Degree of protection                        | P23S                             | P23S                                | P23S                              | P23S                                 |
| EMC class                                   | A                                | A                                   | A                                 | A                                    |
| Operating temperature range                 | -20...+40 °C                     | -20...+40 °C                        | -20...+40 °C                      | -20...+40 °C                         |
| Storage temperature range                   | -40...+60 °C                     | -40...+60 °C                        | -40...+60 °C                      | -40...+60 °C                         |

#### **X5 FastMig Pulse**

| <b>Wire feeders and Coolers</b> | <b>X5 Wire Feeder 300 AP</b>  | <b>X5 Wire Feeder 300 APC</b>   | <b>X5 Wire Feeder HD300 AP</b>  | <b>X5 Wire Feeder HD300 APC</b>   | <b>X5 Cooler</b>          | <b>X5 Cooler MV</b>       |
|---------------------------------|---|---|---|---|---------------------------|---------------------------|
| Product code                    | X5240300000   | X5250300000   | X5270300000   | X5280300000   | X5600000000               | X5600000100               |
| Wire feed mechanism             | 4-roll, single-motor  | 4-roll, single-motor  | 4-roll, single-motor  | 4-roll, single-motor  |                           |                           |
| Wire feed speed                 | 0.5 ... 25 m/min  | 0.5 ... 25 m/min  | 0.5 ... 25 m/min  | 0.5 ... 25 m/min  |                           |                           |
| Rated cooling power at 1 l/min  |   |   |   |   | 1.1 kW                    | 1.0 kW                    |
| Recommended coolant             |   |   |   |   | MGP 4456 (Kemppi mixture) | MGP 4456 (Kemppi mixture) |
| Gun connection                  | Euro  | Euro  | Euro  | Euro  |                           |                           |
| Wire spool weight, max.         | 20 kg   | 20 kg   | 20 kg   | 20 kg   |                           |                           |
| Wire spool diameter, max.       | 300 mm  | 300 mm  | 300 mm  | 300 mm  |                           |                           |
| Filler wires                    | Fe 0.8 ... 2.0 mm Ss<br>0.8 ... 2.0 mm Mc/Fc<br>0.8 ... 2.4 mm Al 0.8 ...<br>2.4 mm | Fe 0.8 ... 2.0 mm Ss<br>0.8 ... 2.0 mm Mc/Fc<br>0.8 ... 2.4 mm Al 0.8 ...<br>2.4 mm | Fe 0.8 ... 2.0 mm Ss<br>0.8 ... 2.0 mm Mc/Fc<br>0.8 ... 2.4 mm Al 0.8 ...<br>2.4 mm | Fe 0.8 ... 2.0 mm Ss<br>0.8 ... 2.0 mm Mc/Fc<br>0.8 ... 2.4 mm Al 0.8 ...<br>2.4 mm |                           |                           |
| Diameter of feed rolls          | 32 mm   | 32 mm   | 32 mm   | 32 mm   |                           |                           |
| Shielding gas pressure (max)    | 0.5 MPa   | 0.5 MPa   | 0.5 MPa   | 0.5 MPa   |                           |                           |
| Welding current, 60 %           | 500 A   | 500 A   | 500 A   | 500 A   |                           |                           |
| Welding current, 100 %          | 430 A   | 430 A   | 430 A   | 430 A   |                           |                           |
| External dimensions LxWxH       | 650 x 230 x 410 mm  | 650 x 230 x 410 mm  | 670 x 240 x 465 mm  | 670 x 240 x 465 mm  |                           |                           |

**X5 FastMig Pulse****Wire feeders and Coolers**

|  | <b>X5 Wire Feeder 300 AP</b> | <b>X5 Wire Feeder 300 APC</b> | <b>X5 Wire Feeder HD300 AP</b> | <b>X5 Wire Feeder HD300 APC</b> | <b>X5 Cooler</b> | <b>X5 Cooler MV</b> |
|--|------------------------------|-------------------------------|--------------------------------|---------------------------------|------------------|---------------------|
| Weight (no accessories)                                | 10.9 kg                      | 10.9 kg                       | 14.4 kg                        | 14.4 kg                         | 14.3 kg          | 15.7 kg             |
| Degree of protection                                   | IP23S                        | IP23S                         | IP23S                          | IP23S                           |                  |                     |
| Tank volume  |                              |                               |                                |                                 | 3 l              | 3 l                 |
| EMC class  | A                            | A                             | A                              | A                               | A                | A                   |
| Operating temperature range                            | -20...+40 °C                 | -20...+40 °C                  | -20...+40 °C                   | -20...+40 °C                    |                  |                     |
| Storage temperature range                              | -40...+60 °C                 | -40...+60 °C                  | -40...+60 °C                   | -40...+60 °C                    | -40...+60 °C     | -40...+60 °C        |
| Operating temperature range (with recommended coolant) |                              |                               |                                |                                 | -10...+40 °C     | -10...+40 °C        |
| Degree of protection (when mounted)                    |                              |                               |                                |                                 | IP23S            | IP23S               |