

qineo

CHAMP 451 PRO
CHAMP 601 PRO



QINEO CHAMP 451 PRO & QINEO CHAMP 601 PRO

Quantum leap in high-tech welding
DC MIG/MAG Welding
AC MIG/MAG Welding

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QINEO

CHAMP 451 PRO
CHAMP 601 PRO

QINEO CHAMP PRO – quantum leap in high-tech welding

Efficient, precise, versatile – this high-tech equipment meets the highest demands. In every performance category and under complex performance conditions. 450 A or 600 A: Every QINEO CHAMP PRO machine provides many different welding processes for a variety of possible applications, materials and plate thicknesses. Increased flexibility thanks to the free adjustment of characteristic curves, excellent welding properties, low-cost operation – the QINEO CHAMP PRO combines all these characteristics into one state-of-the-art solution for a new dimension in welding technology. The Cold Weld process with an AC arc is possible with the QINEO CHAMP PRO - particularly advantageous for aluminium welding.

Overview of your benefits

- 1. Utmost flexibility:** Free adjustment of the characteristic curves and control parameters in single parameter mode
- 2. Best process quality:** High-tech for excellent welding results
- 3. Simple and intuitive:** Clear operating panel with extensive functions
- 4. Low operating costs:** Energy saving standby mode
- 5. Compatible:** Secure communication with welding robots via standardised field bus systems
- 6. Various robot interfaces available**

Technical data

| | CHAMP 451 PRO | CHAMP 601 PRO |
|---------------------------------------|-----------------------------------|-----------------------------------|
| Welding current | 40 A - 450 A | 40 A - 600 A |
| Welding current at 60 % duty cycle | 450 A / 36.5 V | 600 A / 44 V |
| Welding current at 100 % duty cycle | 350 A / 31.5 V | 500 A / 39 V |
| Open circuit voltage | 75 V | 88 V |
| Mains voltage | 400 V / 50 Hz / 3 phases | 400 V / 50 Hz / 3 phases |
| Special voltages | 380 V, 415 V, 440 V, 480 V, 500 V | 380 V, 415 V, 440 V, 480 V, 500 V |
| Connection cable | 4 x 6 mm ² | 4 x 10 mm ² |
| Mains protection | 32 A | 50 A |
| Type of protection | IP 23 | IP 23 |
| Insulation class | F | F |
| Type of cooling | F | F |
| Dimensions L/W/H (without wire drive) | 1226 x 630 x 741 mm | 1226 x 630 x 741 mm |
| Weight (without wire drive) | 204 kg | 244 kg |
| Maximum track width | approx. 552 mm | approx. 552 mm |

| Wire drive units | QINEO QWD-AR | QINEO QWD-P4 |
|------------------|--------------------|--------------------|
| Wire feed speed | max. 24 m / min | max. 24 m / min |
| Dimensions L/W/H | 320 / 200 / 200 mm | 350 / 270 / 230 mm |
| Weight | 7.5 kg | 12.8 kg |
| Wire diameter | 0.8 - 2.0 mm | 0.8 - 2.0 mm |



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