

Profile corner butt welding

Technical specifications



Product image

PLC-controlled profile corner welding. AC versions: 60, 90, 120 and 150 kVA (%50 DT), 400 V, 3-phase, 50/60 Hz. MFDC versions: 188, 266 and 350 kVA (%20 DT), 500 V, 3-phase, 50/60 Hz. Custom power ratings and designs are available.

Product features

- Standard equipment:
- PLC control unit
- Air conditioning unit
- Standard electrode
- Foot pedal
- Water distribution manifold

Optional equipment

- Special electrode
- Proportional pressure regulator

APB/PC60 ac / APB/PC90 ac / APB/PC120 ac / APB/PC150 ac

Values vary by model and application.

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Technical specifications	APB/PC60 ac	APB/PC90 ac	APB/PC120 ac	APB/PC150 ac
Rated power (%50DT)	60 kVA	90 kVA	120 kVA	150 kVA
Secondary voltage	6 V	7 V	8,3 V	8,9 V
Short-circuit welding current (max)	16 kA	18 kA	21 kA	23 kA
Jaw spacing	45 mm	45 mm	65 mm	65 mm
Welding jaw advancement	25 mm	25 mm	25 mm	25 mm
Air pressure	2 / 8 bar	2 / 8 bar	2 / 8 bar	2 / 8 bar
Electrode pressure force	190 daN	190 daN	380 daN	380 daN
Welding cylinder thrust force	300 daN	300 daN	480 daN	480 daN
Cooling water inlet temp. (min-max)	16 / 21 °C	16 / 21 °C	16 / 21 °C	16 / 21 °C
Cooling water inlet flow rate (min)	10 lt/min	12 lt/min	15 lt/min	18 lt/min
Transformer cooling type	Water	Water	Water	Water
Weight	780±20 kg	840±20 kg	900±20 kg	990±20 kg
Dimensions (W×L×H)	950×1000×1800 mm	950×1000×1800 mm	950×1000×1800 mm	950×1000×1800 mm
Power supply voltage	400 V · 50/60 Hz · 3-phase	400 V · 50/60 Hz · 3-phase	400 V · 50/60 Hz · 3-phase	400 V · 50/60 Hz · 3-phase
Delayed circuit breakers	115 A	160 A	250 A	320 A
Mains cable (≤10 m)	3×50+25 mm ²	3×70+25 mm ²	3×95+50 mm ²	3×120+70 mm ²