

Butt welders

Technical specifications



Product image

Pneumatic, microprocessor-controlled, water-cooled butt welding. AC: 12, 20, 30 and 60 kVA, 400 V, 2-phase, 50/60 Hz. MFDC: 111 kVA at 20% duty cycle, 500 V, 3-phase, 50/60 Hz.

Product features

- Can be manufactured with different power ratings and designs to suit the application.
- Welding capacity: suitable for Ø2-12 mm wire, profile and pipe welding.

Optional equipment

- Custom electrode

APB12 ac / APB20 ac / APB30 ac / APB60 ac

Values vary by model and application.

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Rated power (%50 DT)	12 kVA	20 kVA	30 kVA	60 kVA
Secondary voltage	3,8 V	5 V	5,9 V	7,1 V
Short-circuit welding current (max)	6 kA	7,5 kA	9 kA	11 kA
Jaw spacing	20 mm	20 mm	20 mm	20 mm
Welding jaw advancement	30 mm	30 mm	30 mm	30 mm
Air pressure	2 / 8 bar	2 / 8 bar	2 / 8 bar	2 / 8 bar
Electrode pressure force	120 daN	120 daN	240 daN	240 daN
Welding cylinder thrust force	190 daN	190 daN	300 daN	300 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)	6 lt/min	8 lt/min	10 lt/min	12 lt/min
Transformer cooling type	Air	Air	Air	Air
Weight	200±20 kg	220±20 kg	240±20 kg	270±20 kg
Dimensions (W×L×H)	400×800×1200 mm	400×800×1200 mm	400×800×1200 mm	400×800×1200 mm
Power supply voltage	400 V · 50/60 Hz · 2-phase	400 V · 50/60 Hz · 2-phase	400 V · 50/60 Hz · 2-phase	400 V · 50/60 Hz · 2-phase
Delayed circuit breakers	25 A	50 A	63 A	125 A
Mains cable (≤10 m)	2×6+4 mm ²	2×10+6 mm ²	2×16+10 mm ²	2×35+16 mm ²