

Table type spot welders

Technical specifications



Product image

Pneumatic, microprocessor-controlled table spot welding. AC models rated at 12, 20, 30 and 60 kVA (%50 DT); 400 V, 2-phase, 50/60 Hz.

Product features

- Our specially guided, high-force cylinders are manufactured in-house.
- Welding capacities:
- Steel sheet: 0.4+0.4 / 1.5+1.5 mm
- Steel wire: Ø2+Ø2 / Ø8+Ø8 mm
- M3-M6 nuts and bolts
- Stainless steel sheet: 0.4+0.4 / 2+2 mm
- Aluminium sheet: 0.5+0.5 mm

Optional equipment

- Blade electrode
- Two-hand control system
- S-type electrode
- Proportional pressure regulator
- PLC control system and touchscreen
- Constant-current welding control system

APT12 ac / APT20 ac / APT30 ac / APT60 ac

Values vary by model and application.

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Rated power (%50DT)	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)	14 kA	20 kA	23 kA	25 kA
Arm length	165 mm	165 mm	165 mm	165 mm
Arm spacing	40 mm	40 mm	40 mm	40 mm
Stroke	50 mm	50 mm	50 mm	50 mm
Piston diameter	Ø40 mm	Ø50 mm	Ø63 mm	Ø63 mm
Air pressure	2 / 8 bar	2 / 8 bar	2 / 8 bar	2 / 8 bar
Electrode pressure force	80 daN	120 daN	190 daN	190 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	185±30 kg	215±20 kg	235±20 kg	280±20 kg
Dimensions (W×L×H)	900×800×1240 mm	900×800×1240 mm	900×800×1240 mm	900×800×1240 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)	2×4+2,5 mm ²	2×6+4 mm ²	2×16+6 mm ²	2×35+10 mm ²