



V.0708

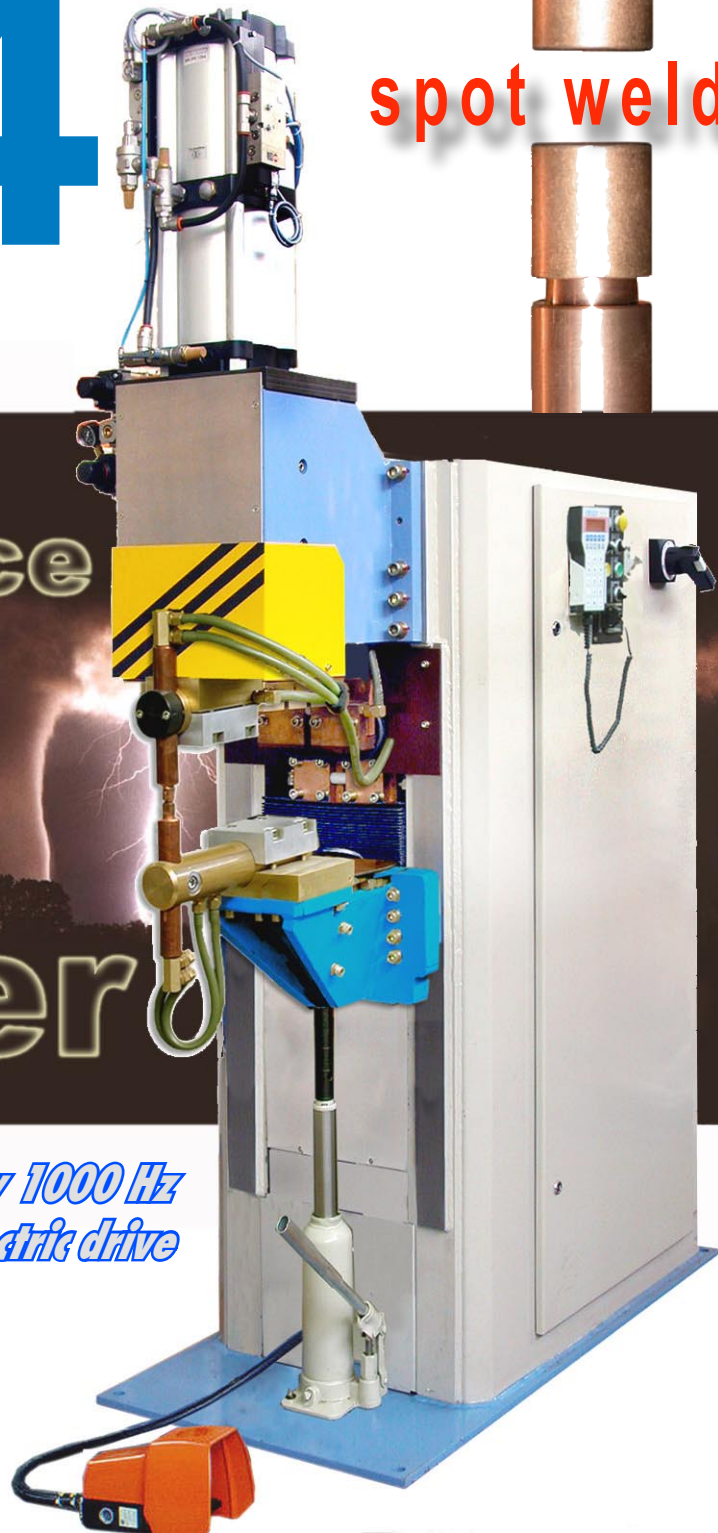
alfa 314

spot welding

resistance

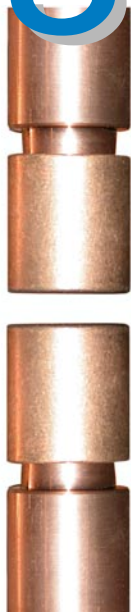
power

*AC - Medium Frequency 1000 Hz
Pneumatic or electric drive*



S6 SERRA

alfa 314



MFC-3000

Medium Frequency Inverter
with adaptative controller

Equipment:

- Pneumatic circuit with single pressure system
- I/O water valves 3/4"
- Air Inlet valve 3/4"
- Electric pedal
- Circuit breaker

Optionals:

- Servo driven head. Force 1500 daN
- Automation integration set
- Proportional valve
- Flowmeter
- Pneumatic circuit with counterpressure system
- Double stroke (75+25) for 750 daN
- Transformer 300 kVA (50Hz)

Technical features

Main Voltage	V	400 (50 Hz)
Electrode diameter (conical 10°)	mm	24
Electrode holder diameter	mm	40
Arms diameter	mm	80
Minimum distance between arms	mm	140
Maximum distance between arms	mm	500
Approach stroke	mm	0
Welding stroke	mm	120
Manoeuvres / minute (10 mm)	min ⁻¹	90

ORDER CODE

Welding type

- A- Spot welding (Alfa Series)
- B- Projection welding (Beta)
- C- Microwelding
- D- Seam welding (Gamma)

Structure dimensions

- 1- 300 daN (Alfa 10)
- 2- 900 daN (Alfa 209)
- 3- 1400 daN (Alfa 314)
- 4- 1800 daN

DIN Throat

- 1- 400 mm
- 2- 600 mm
- 3- 750 mm
- 4- 900 mm
- 5- 1050 mm

Transformer

- 1- 70 kVA - 50/60Hz
- 2- 100 kVA - 50/60Hz
- 3- 125 kVA - 50/60Hz
- 4- 100 kVA - 1000Hz
- 5- 150 kVA - 1000Hz
- 6- 2x100 kVA-1000Hz
- 7- 2x150 kVA-1000Hz

Force unit

- 1- 750 daN - Single pressure
- 2- 750 daN - Double pressure
- 3- 750 daN - Double stroke
- 4- 1400 daN - Single pressure
- 9- 1400 daN - Double pressure
- 0- Servo head

Alfa 314 - MACHINE CODES

		A3141	A3144	A3146	A3241	A3244	A3246	A3341	A3344	A3346
Welding frequency	Hz	50	1000	1000	50	1000	1000	50	1000	1000
Power at 50 % D.C.	kVA	200	2 x 100	4 x 100	200	2 x 100	4 x 100	200	2 x 100	4 x 100
Admissible power	kVA	500	250	500	500	250	500	500	250	500
Delayed fuses	A	500	250	500	500	250	500	500	250	500
Main supply section by phase	mm ²	240	120	240	240	120	240	240	120	240
Secondary voltage	V	8,5/10,5	10	10	8,5/10,5	10	10	8,5/10,5	10	10
Max. short circuit current (5 periods)	kA	60	45	80	50	42	72	40	38	64
Max. welding current (5 periods)	kA	48	45	80	40	42	72	32	38	64
DIN throat depth	mm	400	400	400	600	600	600	750	750	750
Force at 6 bar	daN	1400	1400	1400	1400	1400	1400	1400	1400	1400
Width	mm	640	640	640	640	640	640	640	640	640
Length	mm	1600	1600	1600	1800	1800	1800	1950	1950	1950
Height	mm	2333	2333	2333	2333	2333	2333	2333	2333	2333
Weight	Kgs	870	800	820	910	830	880	950	850	900



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