

# SPOT WELDERS

MACHINES

SAFETY

GAS EQUIPMENT

TORCHES

ACCESSORIES

FILLER METALS



**TECNA® 4640 Foot-Operated Spot Welder**



**TECNA® 4643 Foot-Operated Spot Welder**



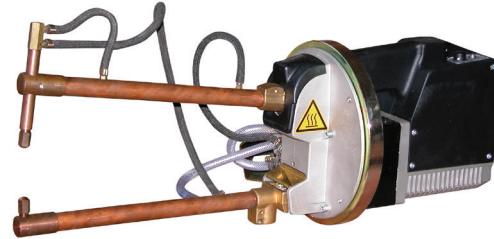
**TECNA® 4648 Pneumatic Spot Welder**

## PEDESTAL SPOT WELDER SPECIFICATIONS

SKU	4640/415/50	4643/415/50	4648/415/50
Nominal power at 50%	16 kVA	25 kVA	25 kVA
Maximum welding power	35 kVA	68 kVA	68 kVA
No load secondary voltage	3.4 V	4.6 V	4.6 V
Maximum short circuit current	12.5 kA	18 kA	18 kA
Maximum welding current on light alloys	N/A	16.3 kA	16.3 kA
Maximum welding current on steel	10 kA	14.4 kA	14.4 kA
Thermal current 100%	3300 A	3800 A	3800 A
Supply voltage 50Hz *	415 V	415 V	400 V
Cables section L=10 m	6 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>
Cables section L=30 m	10 mm <sup>2</sup>	16 mm <sup>2</sup>	16 mm <sup>2</sup>
Delayed fuses	32 A	50 A	50 A
Min. electrodes throat depth	230 mm	230 mm	230 mm
Max. electrode force (6 bar)	240 daN	240 daN	240 daN
Electrode stroke	8-44 mm	8-44 mm	8-44 mm
Max. electrodes throat depth	550 mm	550 mm	550 mm
Max. electrode force (6 bar)	95 daN	95 daN	115 daN
Electrode stroke	15-85 mm	15-85 mm	15-85 mm
Short circuit current with L max.	8.4 kA	13 kA	13 kA
Arms diameter	36 mm	40 mm	40 mm
Electrode-holders diameter	19 mm	22 mm	22 mm
Standard electrodes cone diameter	12.7 mm	14.8 mm	14.8 mm
Water cooling	2.5 l/min	3.7 l/min	3.7 l/min
Compressed air supply	N/A	N/A	6,5 bar
Air for 1000 spots (6 bar)	N/A	N/A	4.3 Nm <sup>3</sup>
Aerial noise produced	< 70 dB(A)	< 70 dB(A)	< 70 dB(A)
Measure conditions			
Working stroke	20 mm	20 mm	20 mm
Welding time	21 cycles	14 cycles	14 cycles
Welding current	9.4 kA	13.5 kA	13.5 kA
Working rating in welds/min	10	10	10
Net weight (approximately)	135 kg	145 kg	143 kg



**TECNA® 7900 Handheld Spot Welder**



**TECNA® 7913 Handheld Spot Welder**

### HANDHELD SPOT WELDER SPECIFICATIONS

SKU	7900	7913/240/50	7913/415/50
Power Supply	240V Single-Phase	240V Single-Phase	415V Three-Phase
Nominal Power	50% @ 2kVA	50% @ 6kVA	50% @ 6kVA
Maximum Welding Power	13kVA	16kVA	16kVA
Secondary No Load Voltage (V)	2.3V	2.5V	2.5V
Main Fuse (A)	16A	25A	16A
Arm Length	125-500mm (125mm Standard)	125-500mm (125mm Standard)	125-500mm (125mm Standard)
Arms Gap	96mm	94mm	94mm
Maximum Thickness	2+2mm	2+2mm	2+2mm
Dimensions	90x370x230mm	108x475x203mm	108x475x203mm
Weight	12kg	20kg	20kg
Additional Functions	Timer	Timer + Water Cooled Arms	Timer + Water Cooled Arms
Warranty	1 Year	1 Year	1 Year