

HIGH PERFORMANCE ELECTRIC RESISTANCE WELDERS

AD SERIES BUTT WELDERS • 6

ALUMINUM • COPPER • SOLID OR STRANDED CONDUCTORS

Featuring a robust design and extra heavy-duty transformers, all 6 models of AD Series butt welders are engineered for cost-effective welding of aluminum, copper and brass, allowing continuous processing of wire, rod and cable products. They offer excellent welds on a consistent basis.

THE AD SERIES OFFERS MANY SUPERIOR FEATURES, INCLUDING:

- Welding of stranded conductors without sleeves - save on consumables
- Unique two-stage upset (low to high pressure) mechanism
- Convenient controls for precise selection of heat and spacing
- Foot controlled dual clamping pedals for easy placement and adjustment
- Pneumatically controlled heavy duty clamping mechanism for positive positioning
- Welding die sets with special "Stellite" inserts for alignment and clamping prevent slippage
- SCR electronic weld heat control for precise heat settings



SEE BACK FOR TECHNICAL SPECIFICATIONS AND FEATURES

MICROWELD CUSTOMER SERVICE & SUPPORT WORLDWIDE

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Specifications Weld Solid or Stranded Conductors Without Sleeves

Stock Size Range	AD3	AD4	AD5	AD6	AD8
Aluminum-Solid	.250"-.500"	.375"-.750"	.500"-.875"	.625"-1.375"	.625"-1.500"
Copper-Solid	.187"-.375"	.250"-.500"	.375"-.750"	.500"-1.000"	.500"-1.250"
Aluminum Strand	#2-250 MCM	#2/0-550 MCM	250 MCM-750 MCM	400 MCM-1250 MCM	500 MCM-2000MCM
Copper Strand	#4-#2/0	#2/0-250 MCM	#2/0-550 MCM	250 MCM-1000 MCM	250 MCM-1250 MCM

Line Demand Electrical	AD3	AD4	AD5	AD6	AD8
Aluminum 380 Volts	210 Amps	280 Amps	350 Amps	720 Amps	840 Amps
Aluminum 480 Volts	170 Amps	225 Amps	280 Amps	665 Amps	775 Amps
Aluminum 600 Volts	135 Amps	180 Amps	225 Amps	530 Amps	715 Amps
KVA Rating Aluminum	82 KVA	108 KVA	135 KVA	320 KVA	375 KVA
Copper 380 Volts	350 Amps	465 Amps	580 Amps	1200 Amps	1400 Amps
Copper 480 Volts	280 Amps	370 Amps	460 Amps	1100 Amps	1290 Amps
Copper 600 Volts	225 Amps	295 Amps	370 Amps	885 Amps	1190 Amps
KVA Rating Copper	135 KVA	177.6 KVA	220.8 KVA	530 KVA	620 KVA
Weld Duration-Maximum	3 sec.	5 sec.	7 sec.	15 sec.	20 sec.
Cycle	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz	50 Hz or 60 Hz
Power Contactor Type	Magnetic	Magnetic	Magnetic	Magnetic	Solid State
Welding Die Configuration	Rectangular 2 Grooves	Rectangular 2 Grooves	Rectangular 2 Grooves	Circular 2 Grooves	Circular 2 Grooves
Welder Mounting	4 Wheels	4 Wheels	4 Wheels	Stationary	Stationary

Dimensions & Weights

	AD3	AD4	AD5	AD6	AD8
Welding-Across Front	42"	62"	62"	85"	85"
Welding-Dimensions Depth	36"	36"	36"	40"	40"
Welder-Overall Height	50"	50"	50"	50"	50"
Welding Die Height	143"	43"	43"	43"	44"
Welder Weight	1350 lbs	1500 lbs	1700 lbs	4800 lbs	5400 lbs

Standard Features

- Rugged construction
- Low maintenance costs
- Safety flash guard system
- Water-cooled components
- Dual-stage upset mechanism
- Heavy-duty straight slide movable headpiece
- Dual foot-controlled clamping mechanism
- Electronic weld heat selection switch for precision
- Self-sustained safety control circuits
- Four-piece welding die set with stellite inserts to prevent slippage
- Mounted on heavy-duty truck with caster wheels

Optional Features

- Machinist vise with mounting bracket
- CAL annealing device with mounting brackets
- Pneumatically operated shear for stranded conductor

MODEL AD-10:
Weld Up To 5000MCM or 2500mm2
Contact Micro-Weld for Complete Details & Specifications

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