

RBW-50PN WELDING DATA CARD
Electroweld Pneumatic Air Operated Semi-Automatic Rod Butt Welder
 What can this Electroweld Pneumatic Rod Butt Welder Model Weld?



WELDING RANGE (DIAMETER)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
10-20 mm 0.394-0.787 "	8-15 mm 0.315-0.591 "	
Copper	Brass	Aluminium
8-12 mm 0.315-0.472 "	9-14 mm 0.354-0.551 "	9-16 mm 0.354-0.630 "

WELDING RANGE (CROSS-SECTIONAL AREA mm²)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
79-314 mm ²	50-177 mm ²	
Copper	Brass	Aluminium
50-113 mm ²	64-154 mm ²	64-201 mm ²

WELDING RANGE (FLAT AWG)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
2/0 AWG - 600 MCM	1 AWG - 6/0 AWG	
Copper	Brass	Aluminium
1 AWG-4/0 AWG	1/0 AWG - 5/0 AWG	1/0 AWG - 400 MCM

WELDING RANGE (FLAT SWG)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
1 SWG - 500 MCM	1 SWG - 350 MCM	
Copper	Brass	Aluminium
1 SWG - 6/0 SWG	2/0 SWG - 300 MCM	2/0 SWG - 400 MCM

WELDING RANGE (BANDSAW BLADE WIDTH)

Carbon Steel Bandsaw Blade	BiMetal Bandsaw Blade
	35-60 mm

INPUT VOLTAGE (Customizable Per Region)

415V AC (± 10%)
 2 Phase
 50 / 60 Hz

* Butt Welders upto 30KVA can operate on either 2 Line/ 2 Phase 220V (± 10%) or 415V (± 10%) 50/60 Hz
 * Butt Welders greater than 30KVA can only operate on 2 Line/2 Phase 415V (± 10%) 50/60 Hz
 * Prices Include customization for USA Power Supply 3-Phase 2-Line 220V AC (± 10%) or 440V AC (± 10%) 50/60 Hz
 * Prices Include customization for Specific Power Supply requirements for other Regions

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Model:	RBW-15PN	RBW-20PN	RBW-25PN	RBW-30PN	RBW-40PN	RBW-50PN	RBW-60PN	RBW-75PN	RBW-100PN	RBW-150PN	RBW-200PN	
Max. Rating (KVA):	15	20	25	30	40	50	60	75	100	150	200	
Input Volts (V) (Welder Duty Cycle 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	
Phases (nos.)	2	2	2	2	2	2	2	2	2	2	2	
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	
Weldable Material	Diameter (mm)											
Low Carbon Mild Steel < 0.25%C (mm ²)	3-12	4-14	5-16	6-17	8-18	10-20	16-22	18-25	19-28	20-31	25-35	
High Carbon Steel > 0.25%C (mm)	3-9	4-11	5-12	6-13	7-14	8-15	10-16	12-17	12-18	13-20	15-25	
Copper (mm):	3-7	4-8	5-9	6-10	7-11	8-12	10-14	12-15	12-18	13-20	15-25	
Brass (mm):	4-9	5-10	6-11	7-12	8-13	9-14	10-16	12-17	13-19	14-22	16-27	
Aluminium (mm):	5-9	6-10	7-11	8-12	8-15	9-16	10-18	12-19	13-21	14-24	16-29	
Carbon Steel Blade (width mm):	20-40	30-50	30-60	35-75	--	--	--	--	--	--	--	
Bimetal Blade (width mm):	5-27	20-37	25-41	30-45	35-50	35-60	40-65	--	--	--	--	
Fuse (Amps):	30	40	50	75	100	125	150	180	250	375	500	
Machine Duty Cycle:	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Dimensions (mm):	900 x 800 x 1300	900 x 800 x 1300	950 x 850 x 1450	950 x 850 x 1450	1100 x 900 x 1500	1100 x 950 x 1500	1100 x 900 x 1500	1100 x 950 x 1500	1100 x 950 x 1500	1550 x 1050 x 1600	1550 x 1050 x 1600	775 x 525 x 1050

Model:	RBW-15PN	RBW-20PN	RBW-25PN	RBW-30PN	RBW-40PN	RBW-50PN	RBW-60PN	RBW-75PN	RBW-100PN	RBW-150PN	RBW-200PN	
Max. Rating (KVA):	15	20	25	30	40	50	60	75	100	150	200	
Input Volts (V) (Welder Duty Cycle 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	415V AC (± 10%)	
Phases (nos.)	2	2	2	2	2	2	2	2	2	2	2	
Frequency (Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	
Weldable Material	Cross Sectional Area (mm²)											
Low Carbon Mild Steel < 0.25%C (mm ²)	7-113	13-154	20-201	28-227	50-254	79-314	201-380	254-491	284-616	314-755	491-962	
High Carbon Steel > 0.25%C (mm ²)	7-64	13-95	20-113	28-133	38-154	50-177	79-201	113-227	113-254	133-314	177-491	
Copper (mm ²):	7-38	13-50	20-64	28-79	38-95	50-113	79-154	113-177	113-254	133-314	177-491	
Brass (mm ²):	13-64	20-79	28-95	38-113	50-133	64-154	79-201	113-227	133-284	154-380	201-573	
Aluminium (mm ²):	20-64	28-79	38-95	50-113	50-177	64-201	79-254	113-284	133-346	154-452	201-661	
Carbon Steel Blade (width mm):	20-40	30-50	30-60	35-75	--	--	--	--	--	--	--	
Bimetal Blade (width mm):	5-27	20-37	25-41	30-45	35-50	35-60	40-65	--	--	--	--	
Fuse (Amps):	30	40	50	75	100	125	150	180	250	375	500	
Machine Duty Cycle:	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Dimensions (mm):	900 x 800 x 1300	900 x 800 x 1300	950 x 850 x 1450	950 x 850 x 1450	1100 x 900 x 1500	1100 x 950 x 1500	1100 x 900 x 1500	1100 x 950 x 1500	1100 x 950 x 1500	1550 x 1050 x 1600	1550 x 1050 x 1600	775 x 525 x 1050

Note: Maximum material welding thicknesses or Machine weldability data are always estimates.

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