

RBW-100PN 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%)	
19-28 mm 0.709-1.1 "	12-18 mm 0.472-0.709 "	
Copper	Brass	Aluminium
12-18 mm 0.472-0.709 "	13-19 mm 0.512-0.748 "	13-21 mm 0.512-0.827 "

WELDING RANGE (CROSS-SECTIONAL AREA mm²)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
284-616 mm ²	113-254 mm ²	
Copper	Brass	Aluminium
113-254 mm ²	133-284 mm ²	133-346 mm ²

WELDING RANGE (FLAT AWG)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
550 MCM - 1200 MCM	4/0 AWG- 500 MCM	
Copper	Brass	Aluminium
4/0 AWG- 500 MCM	5/0 AWG- 550 MCM	5/0 AWG- 680 MCM

WELDING RANGE (FLAT SWG)

Mild Steel (C<0.25%)	High Carbon Steel (C>0.25%)	
550 MCM - 1200 MCM	6/0 SWG- 500 MCM	
Copper	Brass	Aluminium
6/0 SWG- 500 MCM	7/0 SWG - 550 MCM	7/0 SWG - 680 MCM

WELDING RANGE (BANDSAW BLADE WIDTH)

Carbon Steel Bandsaw Blade	BiMetal Bandsaw Blade

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

RBW-100PN Electroweld Pneumatic Rod Butt Welder

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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	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	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.

Electroweld Industries assumes no responsibility for any errors that may appear on this document. Product, pricing, and feature information contained herein is subject to change without notice.

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