

RSA1(B,Q)D Series

High Efficiency Air Conditioner

13+ SEER

1.5 - 4 Ton Capacity

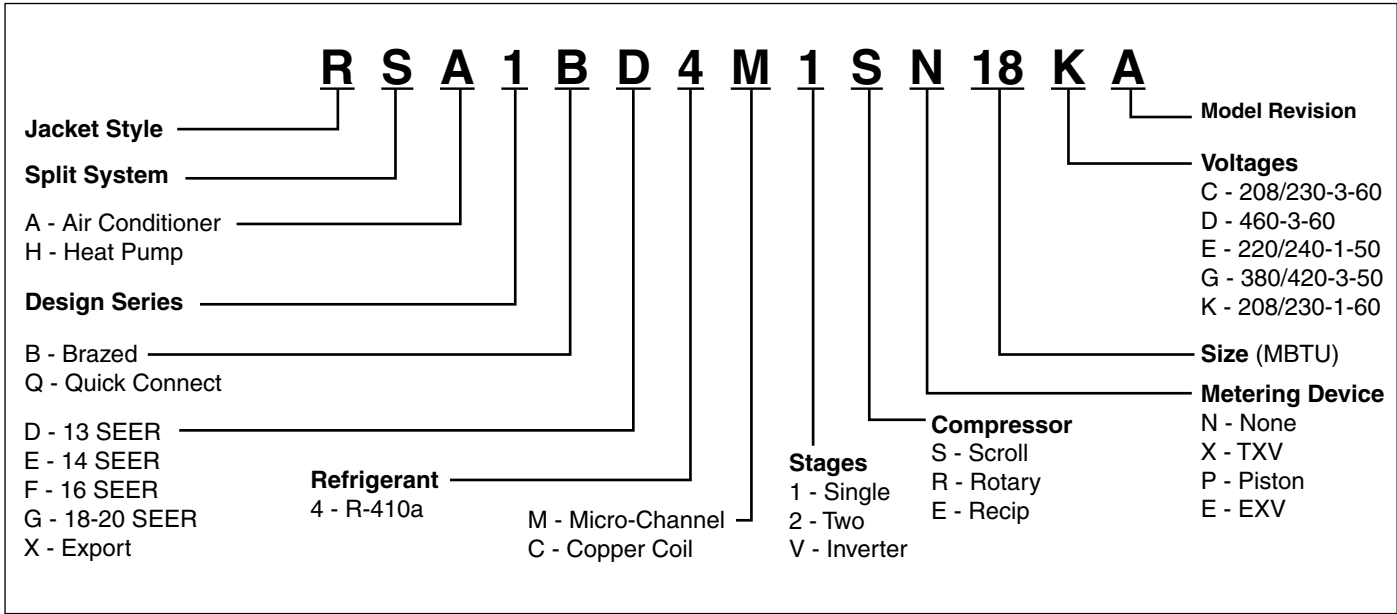
The RSA1(B,Q)D unit, when combined with our matched indoor coils, offers a full line of quality, split-system air conditioning systems. Units are ideally sized for manufactured housing applications.



FEATURES and BENEFITS

- **Designed Using Galvanized Steel:** With a polyester urethane coat finish, it passes 950 hours of salt spray per ASTM Std. B117.
- **Composite Base Pan:** Absorbs sound and is corrosion resistant. Composite is also stronger and lighter than steel.
- **Louvered Condenser Guard:** Durable metal guard protects the coil from yard hazards and extreme weather.
- **Removable Top Grille Assembly:** Allows ease of service from the top without disconnecting fan motor leads.
- **High Pressure Switch:** Protects against abnormally high system pressures. Auto-reset feature prevents nuisance service visits.
- **Liquid Line Filter Drier:** RSA1QD-Factory installed; RSA1BD-field installed
- **One Piece Top/Orifice:** Designed for maximum airflow and quiet operation.
- **Easy Compressor and Control Access:** Designed to make servicing easier for the contractor, access panels are provided to all controls and the compressor from the side of the unit.
- **Micro-Channel:** All aluminum coils in 1.5-5 ton models which provides high corrosion resistance.
- **Servicer-Friendly Jacket:** Side panels can be easily removed and replaced without removing the top grill.

MODEL IDENTIFICATION CODES

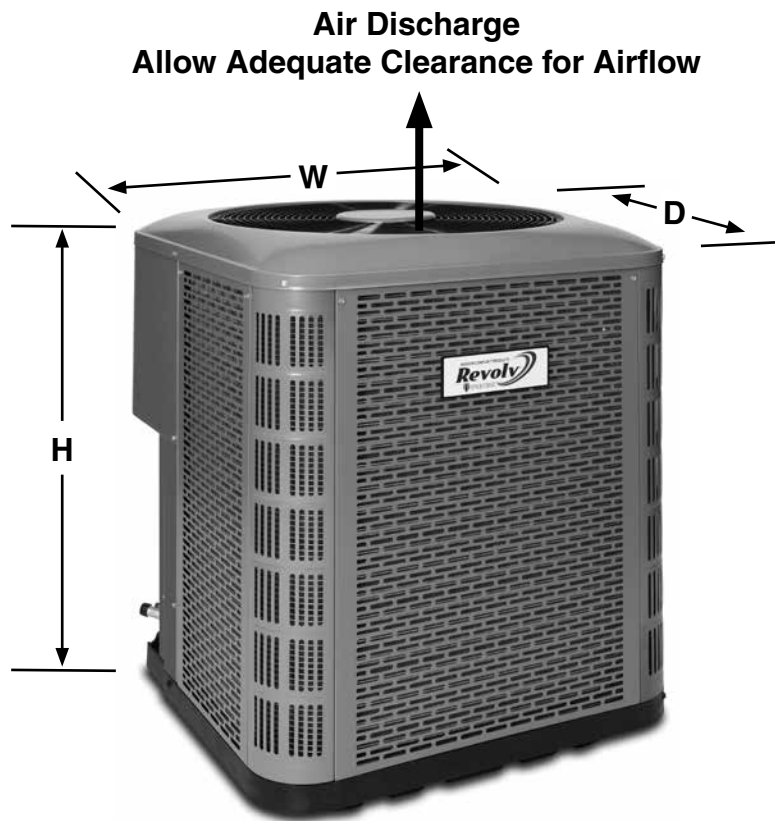


DIMENSIONS

AIR CONDITIONER OUTDOOR SECTION

RSA1BD	18K	24KA	30K	36K	42K	48K
H	24.5	24.5	28.5	28.5	29.25	29.25
W	23.75	23.75	23.75	23.75	31.75	31.75
D	23.75	23.75	23.75	23.75	31.75	31.75

RSA1QD	24KA	30KA	36KA	42K	48K
H	28.5	28.5	36.6	29.25	29.25
W	23.75	23.75	23.75	31.75	31.75
D	23.75	23.75	23.75	31.75	31.75



PHYSICAL AND ELECTRICAL SPECIFICATIONS / OUTDOOR UNITS

13 SEER — High Efficiency — Single Phase

Model Number RSA1BD			18K	24KA	30K	36K	42K	48K
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1
	Total Amps		9.7	11.6	14.8	17.8	19.3	23.2
	Max. Overcurrent Protection (2)		20	25	30	35	40	50
	Min. Circuit Ampacity		12.0	14.3	18.3	22.0	23.0	28.6
	Fan Motor	HP	0.13	0.10	0.13	0.25	0.25	0.25
Compressor Data		LRA	56.6	61.6	73	79	112	117
Refrigerant suction line O.D. NOTE: Liquid line is 3/8" O.D. for entire length		0-24 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"
		25-39 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
		40-75 ft.	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
Approximate Weight (lbs.)		Net	113	117	119	123	173	175
		Ship	126	136	133	137	194	196
Sound Rating db			74	74	74	76	79	78

Model Number RSA1QD			24K	24KA	30K	30KA	36K	36KA	42K	48K	
Electrical Data	Volts-Cycles-Phase (1)		208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	208/230-60-1	
	Max. Overcurrent Protection (2)		20	15	20	20	35	25	40	50	
	Min. Circuit Ampacity		12.7	11.1	13.3	13.1	20.1	16.4	23.0	28.6	
	Fan Motor	HP	0.1	0.1	0.1	0.1	0.25	0.25	0.25	0.25	
	Compressor Data		LRA	60	50	60	69	84	67	112	117
Refrigerant suction line O.D. NOTE: Liquid line is 3/8” O.D. for entire length			0-24 ft.	3/4"	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	
			25-39 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
			40-75 ft.	3/4"	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"
Approximate Weight (lbs.)			Net	119	136	122	140	139	143	172	172
			Ship	133	146	136	149	155	151	193	193
Sound Rating db			72	74	72	75	73	75	78	78	

(1) Operating Voltage Range: 187v min. - 253v max.

(2) HACR Type Circuit Breakers may be used.

(3) Requires 7/8" to 3/4" reducer from line to unit.

(4) Requires 7/8" to 1-1/8" reducer from line to unit.

(5) Additional charge for line sets above 20 feet.

Values based on suction line as follows with 3/8" liquid line.

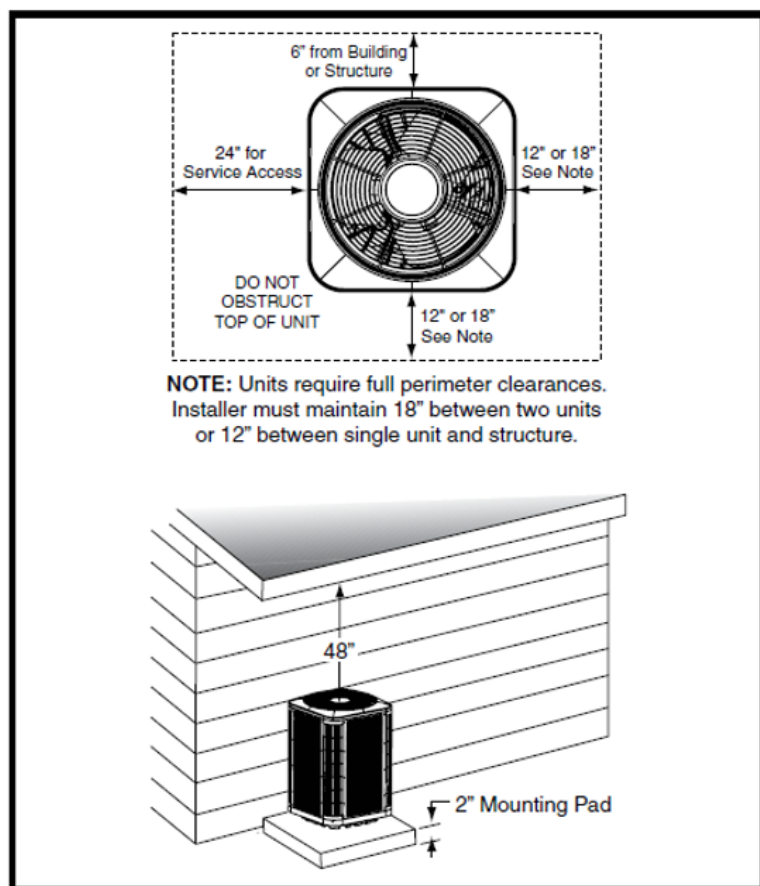
a) 3/4" = 0.6 oz. per additional foot.

b) 7/8" = 0.7 oz. per additional foot.

c) 1-1/8" = 0.8 oz. per additional foot.

(6) For additional charging instructions please refer to the QRD.

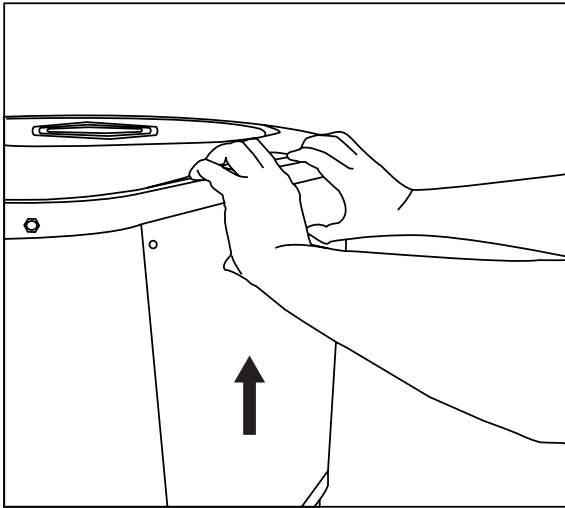
CLEARANCES



RSA1(B,Q)D ACCESSORIES

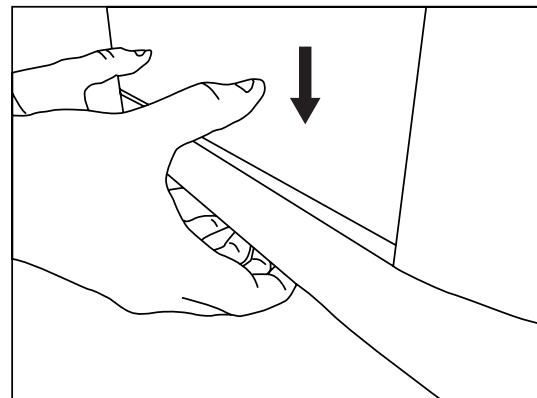
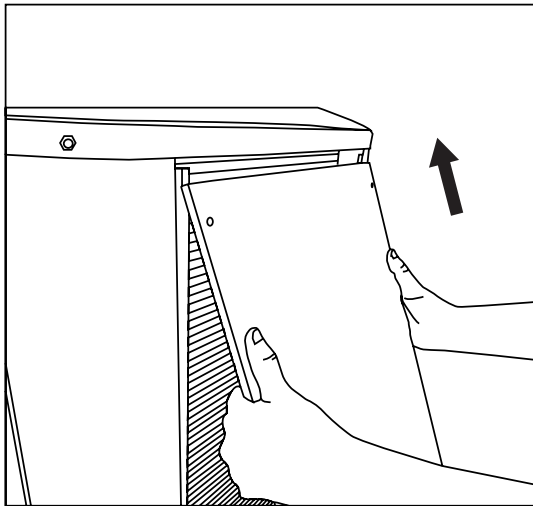
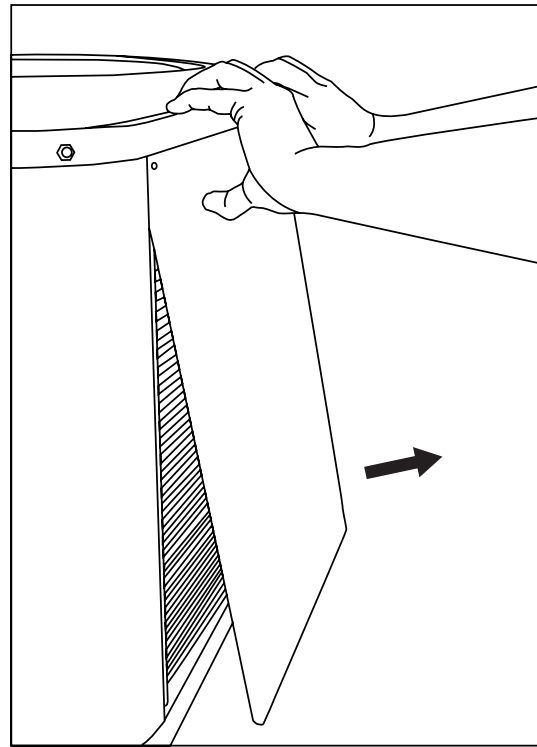
Description	Part Number
Start Assist Kit - Provides additional starting torque for the compressor motor when operating with low line voltage or high operating temperatures.	912933
Fan Delay Kit (TDR) - 80-second fan delay.	918476
Insulated Pre-Charged Line Sets - A line set consists of a liquid line, an insulated suction line, service gaugeports, and the quick-connect coupling. 15, 20, 25, 30, 40, and 50 ft. lengths are available. Lines are factory pre-charged such that no additional refrigerant charge is required on matched systems.	
Outdoor Thermostat - Two-stage logic provides ability to lock out electric strips down to balance point and bring on in stages.	913852

PANEL REMOVAL AND REPLACEMENT INSTRUCTIONS



Removing Panels:

1. Remove screws.
2. Pull up on panel.
3. Rotate bottom of panel out.
4. Pull panel off.



Reinstalling Panels:

1. Place panel back in towards top of unit.
2. Rotate bottom of panel inwards.
3. Push panel down until it fills gap at bottom of unit.
4. Replace screws.

SYSTEM HEATING & COOLING CAPACITIES

13 SEER — High Efficiency — Single Phase

With RG1 & RG7 Gas Furnace and M5 Oil Furnace						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
RSA1QD4M1RN24K	C8QAM024U-B	20"	23,400	13.0	10.5	705
RSA1QD4M1RN24KA	1854*4A+TXV+TDR	18 1/2"	22,000	13	10.5	850
RSA1QD4M1RN30K	C8QAM030U-B	20"	28,800	13.0	10.5	960
RSA1QD4M1RN30KA	1854*4A+TXV+TDR	18 1/2"	27,000	13	10.5	1000
RSA1QD4M1RN36K	C8QAM036U-B	20"	35,600	13.0	10.5	1190
RSA1QD4M1RN36KA	1845*4A+TXV+TDR	24"	32,000	13	10.5	1100
RSA1QD4M1RN36KA	1854*4A+TXV+TDR	18 1/2"	32,000	13	10.5	1100
RSA1QD4M1SN42K	CM4Q-53U	18.5"	39,500	13.0	10.2	1200
RSA1QD4M1SN48K	CM4Q-54U	18.5"	44,000	13.0	10.2	1415

RSA1BD4M1SN18K	C8(B,D)AM01830U-B	20"	18,000	13.0	10.5	535
RSA1BD4M1SN24KA	C8(B,D)AM01830U-B	20"	23,400	13.0	10.5	705
RSA1BD4M1SN30K	C8(B,D)AM01830U-B	20"	28,800	13.0	10.5	960
RSA1BD4M1SN36K	C8(B,D)AM036U-B	20"	35,600	13.0	10.5	1190
RSA1BD4M1SN42K	CM4B-53U	18.5"	39,500	13.0	10.2	1250
RSA1BD4M1SN48K	CM4B-54U	18.5"	44,500	13.0	10.2	1450
RSA1BD4M1SN48K	CM4B-56U	24.5" *	45,500	13.0	10.2	1500

* Requires 24" Coil Box

With RE9 Furnace						
Outdoor Unit	Indoor Coil	Coil Height	Cooling Capacity	SEER	EER	SCFM
RSA1QD4M1RN24K	C8QAM024U-B	20"	23,400	13.0	10.5	705
RSA1QD4M1RN24KA	1854*4A+TXV+TDR	18 1/2"	22,000	13	10.5	850
RSA1QD4M1RN30K	C8QAM030U-B	20"	28,800	13.0	10.5	960
RSA1QD4M1RN30KA	1854*4A+TXV+TDR	18 1/2"	27,000	13	10.5	1000
RSA1QD4M1RN36K	C8QAM036U-B	20"	35,600	13.0	10.5	1190
RSA1QD4M1RN36KA	1845*4A+TXV+TDR	24"	32,000	13	10.5	1100
RSA1QD4M1RN36KA	1854*4A+TXV+TDR	18 1/2"	32,000	13	10.5	1100
RSA1QD4M1SN42K	CM4Q-53U	18.5"	39,500	13.0	10.2	1200
RSA1QD4M1SN48K	CM4Q-54U	18.5"	44,000	13.0	10.2	1415

RSA1BD4M1SN18K	C8(B,D)AM01830U-B	20"	18,000	13.0	10.5	535
RSA1BD4M1SN24KA	C8(B,D)AM01830U-B	20"	23,400	13.0	10.5	705
RSA1BD4M1SN30K	C8(B,D)AM01830U-B	20"	28,800	13.0	10.5	960
RSA1BD4M1SN36K	C8(B,D)AM036U-B	20"	35,600	13.0	10.5	1190
RSA1BD4M1SN42K	CM4B-53U	18.5"	40,000	13.0	10.2	1250
RSA1BD4M1SN48K	CM4B-54U	18.5"	44,500	13.0	10.2	1450
RSA1BD4M1SN48K	CM4B-56U	24.5"	46,500	13.0	10.2	1500

See current AHRI Directory for certified combinations and ratings.
www.ahridirectory.org



GENERAL TERMS OF LIMITED WARRANTY

For complete details of the Limited Warranty, including applicable terms and conditions, see your local installer or contact the Style Crest® warranty department for a copy.

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer. Specifications and illustrations subject to change without notice and without incurring obligations. Printed in U.S.A (10/2020)