

Performance Data @ AHRI Standard Conditions—Cooling

Outdoor Unit 14AJM	Model Numbers Indoor Coil and/or Air Handler	80°F (26.5°C) DB/67°F (19.5°C) WB Indoor Air 95°F (35°C) DB Outdoor Air					Sound Rating dB	Indoor CFM (L/s)
		Total Capacity BTU/h (kW)	Net Sensible BTU/h (kW)	Net Latent BTU/h (kW)	EER	SEER		
Rev. 8/2/12	RBHP-25(RCHL-60A1)	64,500 [16.0]	35,000 [10.3]	19,500 [5.7]	11.50	14.00	77	1,800 [849]
	RBHM-26J(RCQD-6024)	69,500 [17.4]	42,000 [12.3]	17,500 [5.1]	12.00	14.50	77	1,700 [802]
60	RCQD-6024(RGFE-12?RCM?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,625 [767]
	RCQD-6024(RGFG-12?RCM?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,625 [767]
	RCQD-6024(RGJF-09?ZCM?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,600 [755]
	RCQD-6024(RGJF-12?RCM?)	66,500 [16.8]	36,100 [10.6]	19,400 [5.7]	11.00	13.50	77	1,675 [743]
	RCQD-6024(RGPE-07?BRQ?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,600 [755]
	RCQD-6024(RGPE-10?BRM?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,625 [767]
	RCQD-6024(RGPE-12?ARM?)	66,000 [16.4]	38,000 [11.1]	18,000 [5.3]	11.50	14.00	77	1,625 [767]
	RCQD-6024(RGPT-07?BRQ?)	69,000 [17.8]	41,500 [12.2]	17,500 [5.1]	11.00	13.50	77	1,725 [814]
	RCQD-6024(RGPT-10?BRM?)	69,000 [17.8]	41,500 [12.2]	17,500 [5.1]	11.00	13.50	77	1,725 [814]
	RCQD-6024(RGPT-12?ARM?)	69,000 [17.8]	41,500 [12.2]	17,500 [5.1]	12.00	14.00	77	1,725 [814]
	RCQD-6024(RGRM-12?RAJ?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,625 [767]
	RCQD-6024(RGTM-07?RBJ?)	68,000 [17.0]	40,000 [11.7]	18,000 [5.3]	11.00	13.50	77	1,675 [790]
	RCQD-6024(RGTM-09?ZAJ?)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,600 [755]
	RCQD-6024(RGTM-10?RBJ?)	68,500 [17.1]	40,500 [11.9]	18,000 [5.3]	11.00	13.50	77	1,675 [790]
	RCQD-6024(RHWP-09WRX60A)	67,000 [16.7]	39,800 [11.7]	17,200 [5.0]	11.50	13.50	77	1,675 [790]
	RCQD-6024(RHWP-10WRX60A)	67,500 [16.8]	40,700 [11.9]	16,800 [4.9]	11.50	14.00	77	1,725 [814]
	RCQD-6024(ROLA-07E04)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,600 [755]
	RCQD-6024(ROLA-11E05)	68,000 [17.0]	39,500 [11.6]	18,500 [5.4]	11.00	13.50	77	1,600 [755]
	RCQD-6024+RXMD-C04	66,500 [16.6]	39,500 [11.6]	17,000 [5.0]	11.00	13.50	77	1,600 [755]
	RHKL-HM6024(RCSL-H*6024)	61,500 [16.0]	44,000 [12.9]	17,500 [5.1]	12.50	15.00	77	1,800 [849]
RHLL-HM6024(RCSL-H*6024)	61,500 [16.0]	44,000 [12.9]	17,500 [5.1]	12.50	15.00	77	1,800 [849]	
RHSL-HM6024(RCSL-H*6024)	60,000 [17.6]	42,850 [12.6]	17,150 [5.0]	11.50	13.50	77	1,750 [826]	

① Highest sales volume tested combination required by D.O.E. test procedures.

[ ] Designates Metric Conversions

DAMMON ENGINEERING INC

Date: 9-17-12 Project: COMMUNITY CENTER  
 Reviewed: \_\_\_\_\_  
 Reviewed as Noted: \_\_\_\_\_  
 Revise and Resubmit: \_\_\_\_\_  
 Rejected:  \_\_\_\_\_  
 Other: \_\_\_\_\_

Corrections or comments made on the shop drawings during this review do not relieve the contractor from compliance with requirements of the drawings and specifications. This check is only for review of the general conformance with the design concept of the project and general compliance with the information given in the contract documents. This contractor is responsible for confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his or her work with that at all other trades and performing all in a safe and satisfactory manner.

Submittal Item: COUNTRY GARDEN COMMUNITY CENTER  
 Comments: A/C





### Electrical and Physical Data

Model Number 14AJM	ELECTRICAL							PHYSICAL						
	Phase Frequency (Hz) Voltage (Volts)	Compressor		Fan Motor Full Load Amperes (FLA)	Minimum Circuit Capacity Amperes	Fuse or HACR Circuit Breaker		Outdoor Coil			Refrig. Per Circuit Oz. (g)	Weight		
		Rated Load Amperes (RLA)	Locked Rotor Amperes (LRA)			Minimum Amperes	Maximum Amperes	Face Area Sq. Ft. (m <sup>2</sup> )	No. Rows	CFM (L/s)		Net Lbs. (kg)	Shipping Lbs. (kg)	
Rev. 6/14/2012														
19	1-60-208/230	9/9	46	0.5	12/12	15/15	20/20	11.82 (1.10)	1	2805(1924)	87 (2466)	140 (63.6)	167 (71.2)	
25	1-60-208/230	13.6	58.3	.36	18/18	25/25	30/30	13.72 (1.27)	1	2805(1924)	91 (2580)	154 (69.9)	171 (77.6)	
30	1-60-208/230	12.8/12.8	64	1.4	18/18	25/25	30/30	16.59 (1.52)	1	2915(1976)	112 (3175)	157 (71.2)	175 (79.4)	
36	1-60-208/230	16.7/16.7	79	1.9	23/23	30/30	35/35	21.85 (2.03)	1	3436(1621)	130.4 (3697)	181 (82.1)	201 (91.2)	
42	1-60-208/230	17.9/17.9	112	2.8	26/26	30/30	40/40	21.85 (2.03)	1	3550(1675)	145.12 (4114)	205 (93)	225 (102)	
48	1-60-208/230	21.8/21.8	117	2.8	31/31	40/40	50/50	21.85 (2.03)	2	4310(2034)	216 (6124)	249 (112.9)	269 (122)	
48	1-60-208/230	19.9/19.9	109	1.9	27/27	35/35	45/45	21.85 (2.03)	2	3615(1706)	213 (6039)	249 (112.9)	269 (122)	
56	1-60-208/230	21.4/21.4	135	1.9	28/28	35/35	50/50	21.85 (2.03)	2	3615(1706)	241 (6832)	254 (115.2)	274 (124.3)	
60	1-60-208/230	26.4/26.4	134	2.8	38/38	45/45	60/60	21.85 (2.03)	2	4310(2034)	240 (6804)	254 (115.2)	274 (124.3)	

NOTE: Factory Refrigerant Charge includes refrigerant for 15 feet of standard line set.

[ ] Designates Metric Conversions

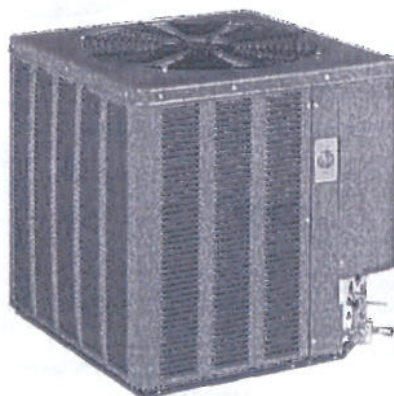




The new degree of comfort.™

 Air | Air Conditioners  
14AJM Series

## Rheem Value Series Air Conditioners



### 14AJM- Series

Efficiencies up to 16 SEER/13 EER

Nominal Sizes 1 1/2-5 Ton [5.28 to 17.6 kW]

Cooling Capacities 17.3 to 60.5 kBTU  
[5.7 to 17.7 kW]



*"Proper sizing and installation of equipment is critical to achieve optimal performance. Ask your Contractor for details or visit [www.energystar.gov](http://www.energystar.gov)."*

Note: Above image does not show deep drawn basepan.

- Outdoor air conditioner designed for ground level or rooftop installations. These units offer comfort and dependability for single, multi-family and light commercial applications.
- Painted louvered steel cabinet
- Easily accessible control box
- Condenser coils constructed with copper tubing and enhanced aluminum fins
- Grille/Motor mount for quiet fan operation
- Filter Drier (shipped – not installed)



INTEGRATED HOME COMFORT

FORM NO. A11-215 REV. 1



## Condensing Unit Refrigerant Line Size Information

Liquid Line Sizing (R-410A)														
System Capacity	Liquid Line Connection Size (Inch I.D.)	Line Size (Inch O.D.) (mm)	Liquid Line Size - Outdoor Unit Above Indoor Coil (Cooling Only—Does not apply to Heat Pumps)						Liquid Line Size - Outdoor Unit Below Indoor Coil					
			Total Equivalent Length—Feet (m)						Total Equivalent Length—Feet (m)					
			25 (7.62)	50 (15.24)	75 (22.86)	100 (30.48)	125 (38.10)	150 (45.72)	25 (7.62)	50 (15.24)	75 (22.86)	100 (30.48)	125 (38.10)	150 (45.72)
			Minimum Vertical Separation—Feet (m)						Maximum Vertical Separation—Feet (m)					
1 1/2 Ton	3/8" (9.53)	1/4 (6.35)	0	0	0	0	8 (2.44)	24 (7.32)	25 (7.62)	40 (12.19)	25 (7.62)	9 (2.74)	N/A	N/A
		5/16 (7.94)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	62 (18.90)	58 (17.68)	53 (16.15)	49 (14.94)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	75 (22.86)	72 (21.95)	70 (21.34)	68 (20.73)
2 Ton	3/8" (9.53)	1/4 (6.35)	0	3 (0.91)	29 (8.84)	55 (16.76)	81 (24.69)	108 (32.92)	23 (7.01)	N/A	N/A	N/A	N/A	N/A
		5/16 (7.94)	0	0	0	0	0	0	25 (7.62)	36 (10.97)	29 (8.84)	23 (7.01)	16 (4.88)	9 (2.74)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	72 (21.95)	70 (21.34)	68 (20.73)	65 (19.81)
2 1/2 Ton	3/8" (9.53)	1/4 (6.35)	0	14 (4.27)	56 (17.07)	98 (29.87)	N/A	N/A	25 (7.62)	N/A	N/A	N/A	N/A	N/A
		5/16 (7.94)	0	0	0	0	0	0	25 (7.62)	49 (14.94)	38 (11.58)	27 (8.23)	17 (5.18)	6 (1.83)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	68 (20.73)	65 (19.81)	62 (18.90)	58 (17.68)
3 Ton	3/8" (9.53)	5/16 (7.94)	0	0	0	0	9 (2.74)	25 (7.62)	50 (15.24)	37 (11.28)	22 (6.71)	7 (2.13)	N/A	
		3/8* (9.53)	0	0	0	0	0	25 (7.62)	50 (15.24)	68 (20.73)	63 (19.20)	58 (17.68)	53 (16.15)	
		5/16 (7.94)	0	0	0	16 (4.88)	35 (10.67)	54 (16.46)	25 (7.62)	23 (7.01)	4 (1.22)	N/A	N/A	N/A
3 1/2 Ton	3/8" (9.53)	3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	43 (13.11)	36 (10.97)	30 (9.14)	24 (7.32)
		5/16 (7.94)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	46 (14.02)	38 (11.58)	30 (9.14)	22 (6.71)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	56 (17.07)	55 (16.76)	53 (16.15)	52 (15.85)
4 Ton	3/8" (9.53)	1/2 (12.57)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	56 (17.07)	44 (13.41)	32 (9.75)	20 (6.10)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	56 (17.07)	44 (13.41)	32 (9.75)	20 (6.10)
5 Ton	3/8" (9.53)	1/2 (12.57)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	75 (22.86)	81 (24.69)	79 (24.08)	76 (23.16)
		3/8* (9.53)	0	0	0	0	0	0	25 (7.62)	50 (15.24)	75 (22.86)	81 (24.69)	79 (24.08)	76 (23.16)

NOTES: \*Standard line size  
N/A = Application not recommended.

Suction Line Length/Size versus Capacity Multiplier (R-410A)								
Unit Size	1 1/2 Ton	2 Ton	2 1/2 Ton	3 Ton	3 1/2 Ton	4 Ton	5 Ton	
Suction Line Connection Size	3/4" (19.05) I.D.				7/8" (22.23) I.D.			
Suction Line Run—Feet (m)	5/8" (15.88 mm) O.D. Optional 3/4" (19.05 mm) O.D. Standard*		5/8" (15.88 mm) O.D. Optional 3/4" (19.05 mm) O.D. Standard* 7/8" (22.23 mm) O.D. Optional		3/4" (19.05 mm) O.D. Optional 7/8" (22.23 mm) O.D. Standard*		7/8" (22.23 mm) O.D. Optional 1 1/8" (28.58 mm) O.D. Standard*	
25' (7.62)	Optional Standard Optional	1.00 1.00 —	1.00 1.00 —	1.00 1.00 1.00	1.00 1.00 —	1.00 1.00 —	1.00 1.00 —	1.00 1.00 —
50' (15.24)	Optional Standard Optional	.98 .99 —	.98 .99 —	.96 .96 .99	.98 .99 —	.99 .99 —	.99 .99 —	.99 .99 —
100' (30.48)	Optional Standard Optional	.95 .96 —	.95 .96 —	.94 .96 .97	.96 .97 —	.96 .98 —	.96 .98 —	.97 .98 —
150' (45.72)	Optional Standard Optional	.92 .93 —	.92 .94 —	.91 .93 .95	.94 .96 —	.94 .96 —	.95 .96 —	.94 .97 —

NOTES: \*Standard line size  
Using suction line larger than shown in chart will result in poor oil return and is not recommended.  
3 Ton Suction Line Connection is 3/4"

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