

R4A4

Product Specifications

EFFICIENT 14 SEER AIR CONDITIONER

ENVIRONMENTALLY SOUND R-410A REFRIGERANT

1-1/2 THRU 5 TONS SPLIT SYSTEM

208/230 Volt, 1-phase, 60 Hz

REFRIGERATION CIRCUIT

- Scroll compressors on all models
- Copper tube / aluminum fin coil

EASY TO INSTALL AND SERVICE

- Easy Access service valves on all models
- External high and low refrigerant service ports
- Only two screws to access control panel
- Factory charged with R-410A refrigerant

BUILT TO LAST

- Pre-painted cabinet finish over galvanized steel
- Coated inlet grille with 2" (51mm) spacing standard, alternate models available with 3/8" (10mm) grille spacing for extra protection (hail guard)

LIMITED WARRANTY*

- 10 year parts limited warranty (including compressor and coil) with timely registration
- 5 year parts limited warranty if not registered within 90 days of original installation.

* See warranty certificate for complete details and restrictions



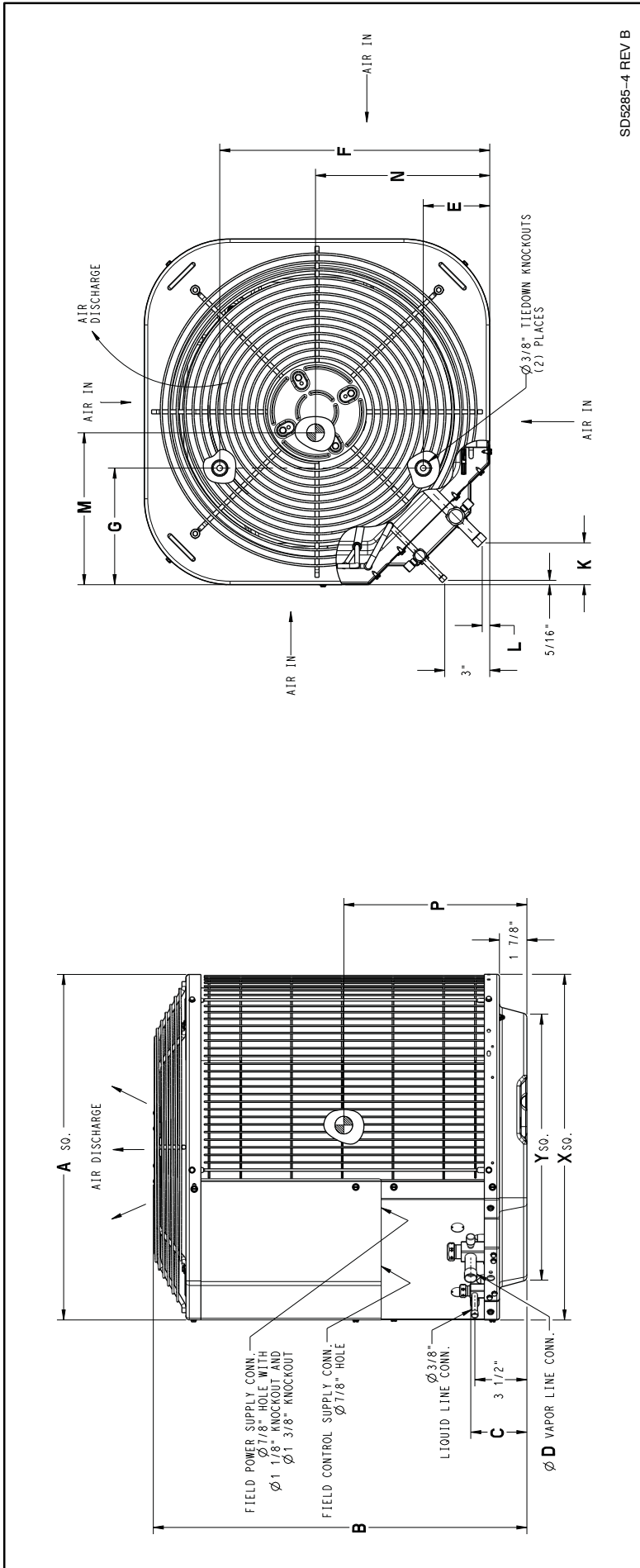
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Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
R4A418*KA	1-1/2	18,000	11.7	20	23-1/8 x 23-1/8 x 24-13/16 (587 x 587 x 630)	134/123 (61/56)
R4A424*KA	2	24,000	14.1	20	25-3/4 x 25-3/4 x 25 (654 x 654 x 635)	140/119 (84/54)
R4A430*KA	2-1/2	30,000	16.8	25	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	186/151 (84/68)
R4A436*KA	3	36,000	18.1	30	31-3/16 x 31-3/16 x 24-13/16 (792 x 792 x 630)	151/134 (68/87)
R4A442*KA	3-1/2	42,000	22.3	35	31-3/16 x 31-3/16 x 39-1/8 (792 x 792 x 994)	232/192 (105/87)
R4A448*KA	4	48,000	20.9	35	31-3/16 x 31-3/16 x 28-7/16 (792 x 792 x 722)	200/182 (91/82)
R4A460*KA	5	60,000	27.5	40	31-3/16 x 31-3/16 x 31-13/16 (792 x 792 x 808)	218/197 (99/89)

* A = 2" (51mm) spacing inlet grille or
. G = 3/8" (10mm) spacing inlet grille

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	R	4	A	4	18	A	K	A	2	0	0
4 = R-410A		REFRIGERANT									
A = Air Conditioner		TYPE									
H = Heat Pump											
4 = 14 SEER		NOMINAL EFFICIENCY									
18 = 18,000 BTUH = 1-1/2 tons 24 = 24,000 BTUH = 2 tons 30 = 30,000 BTUH = 2-1/2 tons 36 = 36,000 BTUH = 3 tons 42 = 42,000 BTUH = 3-1/2 tons 48 = 48,000 BTUH = 4 tons 60 = 60,000 BTUH = 5 tons											
				NOMINAL CAPACITY							
A = Wide Grille						FEATURES					
G = Coil Guard Grille											
K = 208/230-1-60								VOLTAGE			
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	N	A	S	A	0	01	01	CH	
N = Non-Branded		BRANDING							
A = Accessory		PRODUCT GROUP							
S = Split System (AC & HP)		KIT USAGE							
A = Original						MAJOR SERIES			
B = 2nd Generation									
0 = Generic or Not Applicable									
2 = R-22									
4 = R-410A						REFRIGERANT			
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									

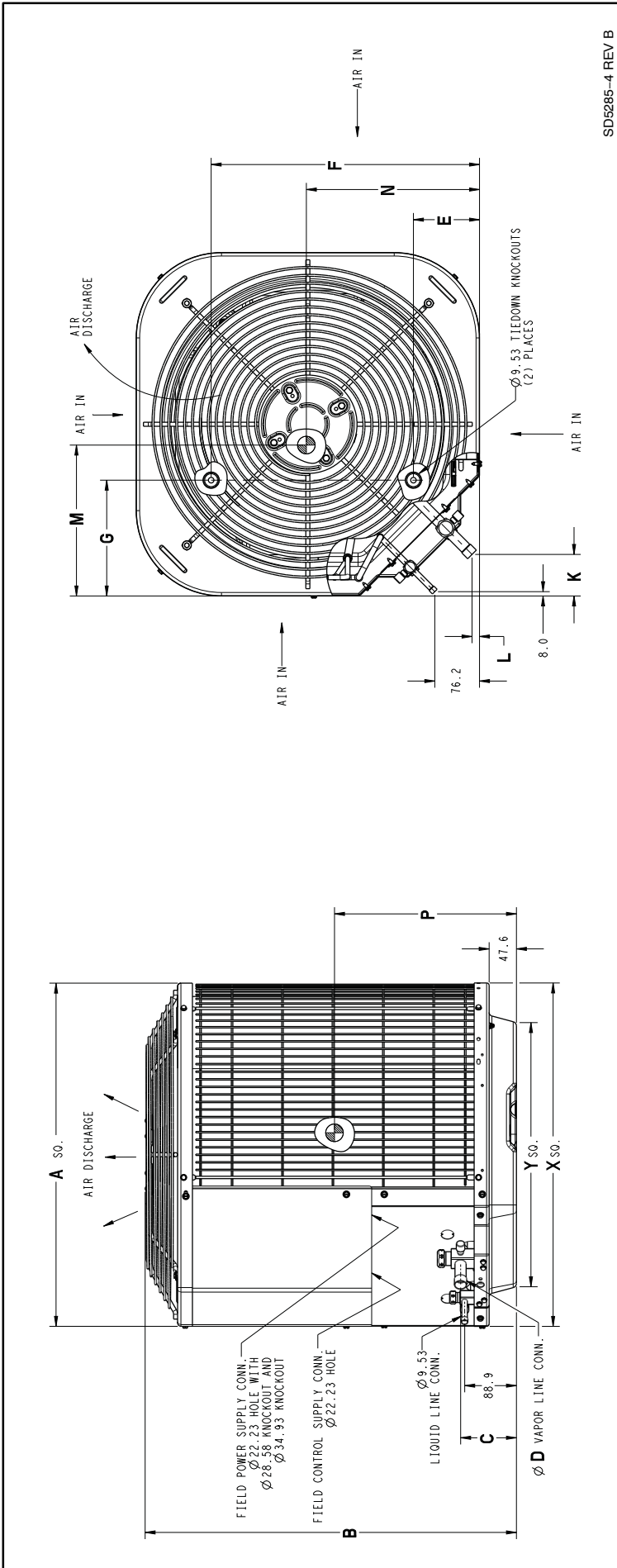


SD5285-4 REV B

1. Allow 24" clearance to service side of unit, 48" above unit, 6" on one side, 12" on remaining sides.
2. Maintain a distance of 24" between units or 18" if no overhang within 12'.
3. Minimum outdoor operating ambient in cooling mode is 55°F, max 125°F.
4. Center of Gravity

Model	Dimensions Inches (English)																Minimum Rooftop Mounting Pad Size Y	Shipping Dimensions L x W x H
	A	B	C	D	E	F	G	K	L	M	N	P	X	Y				
R4A418*KA	23-1/8	24-13/16	3-3/4	3/4	4-7/16	18-1/16	7-13/16	2-13/16	1/2	13	11-1/8	10-1/4	23-1/8 x 23-1/8	17-3/4 x 17-3/4	24-1/8 x 24-1/8 x 27-3/16			
R4A424*KA	25-3/4	25	3-3/4	3/4	4-7/16	21-1/4	9-1/8	2-13/16	1/2	13-5/8	12-1/8	9-7/8	25-3/4 x 25-3/4	20-7/16 x 20-7/16	26-7/8 x 26-7/8 x 32-9/16			
R4A430*KA	31-3/16	31-13/16	3-3/4	3/4	6-9/16	24-11/16	9-1/8	2-13/16	1/2	16-1/8	15-1/16	12-5/8	31-3/16 x 31-3/16	23 x 23	32-3/16 x 32-3/16 x 34			
R4A436*KA	31-3/16	24-13/16	3-7/8	7/8	6-9/16	24-11/16	9-1/8	2-15/16	5/8	15-9/16	16-1/2	10-1/4	31-3/16 x 31-3/16	23 x 23	32-3/16 x 32-3/16 x 27-3/16			
R4A442*KA	31-3/16	39-1/8	3-7/8	7/8	6-9/16	24-11/16	9-1/8	2-15/16	5/8	16-1/8	16-11/16	14	31-3/16 x 31-3/16	23 x 23	32-3/16 x 32-3/16 x 40-5/8			
R4A448*KA	31-3/16	28-7/16	3-7/8	7/8	6-9/16	24-11/16	9-1/8	2-15/16	5/8	16-3/16	16-1/4	10-1/4	31-3/16 x 31-3/16	23 x 23	32-3/16 x 32-3/16 x 30-5/8			
R4A460*KA	31-3/16	31-13/16	3-7/8	7/8	6-9/16	24-11/16	9-1/8	2-15/16	5/8	15-1/2	16	10-7/8	35 x 35	26-3/4 x 26-3/7	32-3/16 x 32-3/16 x 34			

* A = 2" (51mm) spacing inlet grille or
 . G = 3/8" (10mm) spacing inlet grille



1. Allow 610 mm clearance to service side of unit, 1219 mm above unit, 152 mm on one side, 305 mm on remaining sides
2. Maintain a distance of 610mm between units or 457mm if no overhang within 3.7m.
3. Minimum outdoor operating ambient in cooling mode is 13°C, max 52°C.
4. Center of Gravity

Model	Dimensions mm (SI Metric)																Minimum Rooftop Mounting Pad Size Y	Shipping Dimensions L x W x H
	A	B	C	D	E	F	G	K	L	M	N	P	X					
R4A418*KA	587	630	95	19	113	459	198	71	13	330	283	260	587 x 587	451 x 451	613 x 613 x 691			
R4A424*KA	654	635	95	19	113	540	232	71	13	346	308	251	654 x 654	518 x 518	683 x 683 x 827			
R4A430*KA	792	808	95	19	113	627	232	71	13	410	383	321	792 x 792	583 x 583	818 x 818 x 864			
R4A436*KA	792	630	98	22	167	627	232	75	16	395	419	260	792 x 792	583 x 583	818 x 818 x 691			
R4A442*KA	792	994	98	22	167	627	232	75	16	410	424	356	792 x 792	583 x 583	818 x 818 x 1031			
R4A448*KA	792	722	98	22	167	627	232	75	16	411	413	260	792 x 792	583 x 583	818 x 818 x 778			
R4A460*KA	792	808	98	22	167	627	232	75	16	394	406	276	792 x 792	583 x 583	818 x 818 x 864			

* A = 2" (51mm) spacing inlet grille or
 . G = 3/8" (10mm) spacing inlet grille

PHYSICAL DATA (1-phase)							
Model Size	18	24	30	36	42	48	60
Nominal Cooling Capacity (BTU/hr)	18,000	24,000	30,000	36,000	42,000	48,000	60,000
Nominal SEER	14.0						
Compressor Type	Scroll						
REFRIGERANT	R-410A						
Charge - lb(kg)	3.2(1.45)	3.87(1.76)	5.67(2.57)	4.95(2.25)	7.90(3.58)	8.31(3.77)	9.39(4.26)
Required Subcooling ° F (° C)	16 (8.8)	10 (5.5)	12(6.6)	11 (6)	9 (5)	11 (6)	13 (7.2)
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1600	1881	2614	3167	3700	3454	3700
Motor HP	1/12	1/12	1/10	1/5	1/4	1/4	1/4
Motor RPM	1100	1100	1100	1100	1110	1110	1100
COND COIL							
Face Area (Sq ft)	8.4	9.9	17.24	12.9	21.6	15.1	17.25
Fins per In.	25	25	25	25	25	20	25
Rows	1	1	1	1	1	2	2
Circuits	3	4	4	5	7	6	8
VALVE CONNECT. (In. ID)							
Vapor - in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)
Liquid - in. (mm)	3/8 (10)						
REFRIGERANT TUBES* (In. OD)							
Vapor (0-80 Ft Tube Length) in. (mm)	3/4 (19)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	1 1/8 (29)
Liquid (0-80 Ft Tube Length) in. (mm)	3/8 (10)						

* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to "Long Line" installations. Consult the Long Line Application Guideline document before purchasing/installing line sets.

ELECTRICAL DATA (208/230-1-60, voltage range 197V - 253V)							
Model Size	18	24	30	36	42	48	60
Minimum Circuit Ampacity - MCA (amps)	11.7	14.1	16.8	18.1	22.3	20.9	27.5
Maximum OverCurrent Protective device - MOCP (amps)	20	20	25	30	35	35	40
Compressor RLA (Rated Load Amps)	9	10.9	12.8	13.6	16.7	15.6	20.8
LRA (Locked Rotor Amps)	47.5	62.9	67.8	79.0	109.0	105.7	127.1
Fan Motor FLA (Full Load Amps)	.40	.50	.75	1.10	1.40	1.40	1.52

A-Weighted Sound Power Level - Without Sound Jacket								
Model	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
R4A418*KA	75	45	53	57	62	60	53	48
R4A424*KA	72	46	57	60	64	61	56	50
R4A430*KA	73	50	56	63	64	61	58	54
R4A436*KA	75	51	61	65	67	63	60	53
R4A442*KA	73	49	58	63	64	59	56	50
R4A448*KA	76	53	61	64	66	62	60	51
R4A460*KA	75	54	57	63	64	62	58	51

Note: Tested in accordance with AHRI Standard 270-2008 (not listed in AHRI).

A-Weighted Sound Power Level - With Sound Jacket								
Model	Standard Rating (dBA)	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
R4A418*KA	75	45	53	58	62	61	55	49
R4A424*KA	73	47	59	61	64	61	55	48
R4A430*KA	72	49	57	62	63	60	57	52
R4A436*KA	75	51	62	65	66	62	60	52
R4A442*KA	72	50	58	62	63	58	55	47
R4A448*KA	73	55	61	64	63	60	57	48
R4A460*KA	73	54	59	63	63	60	56	48

Note: Tested in accordance with AHRI Standard 270-2008 (not listed in AHRI).

* **A** = 2" (51mm) spacing inlet grille or
 . **G** = 3/8" (10mm) spacing inlet grille

R-410A COOLING CAPACITY LOSS FOR VARIOUS LINE LENGTHS & TUBE DIAMETERS															
Model Size	Liquid Line in.(mm)	Acceptable Vapor Line Sizes in. (mm)	Cooling Capacity Loss (%) at Total Equivalent Line Length, feet (m) Refer to Long Line Application Guideline to calculate equivalent length												
			Standard Application			Long Line Application (Requires Accessories)									
			25' (7.6)	50' (15.2)	80' (24.4)	81' (24.7)	100' (30.5)	125' (38.1)	150' (45.7)	175' (53.3)	200' (61)	225' (68.6)	250' (76.2)		
18	3/8 (10)	1/2 (13)	1	2	3	3	4	6	7	8	9	10	12		
		5/8 (16)	0	0	1	1	1	1	2	2	3	3	3		
		3/4 (19)	0	0	0	0	0	1	1	1	1	1	1		
24		5/8 (16)	0	1	1	1	2	3	3	4	4	5	6		
		3/4 (19)	0	0	0	0	0	1	1	1	1	1	2		
		7/8 (22)	0	0	0	0	0	0	0	0	0	0	1		
30		5/8 (16)	1	2	3	3	3	4	5	6	7	8	9		
		3/4 (19)	0	0	1	1	1	1	2	2	2	3	3		
		7/8 (22)	0	0	0	0	0	1	1	1	1	1	1		
36		5/8 (16)	1	2	4	4	5	6	7	9	10	11	13		
		3/4 (19)	0	0	1	1	1	2	2	3	3	4	4		
		7/8 (22)	0	0	0	0	0	1	1	1	1	2	2		
42		3/4 (19)	0	1	2	2	2	3	4	4	5	6	6		
		7/8 (22)	0	0	1	1	1	1	2	2	2	3	3		
	1-1/8 (29)	0	0	0	0	0	0	0	0	0	0	1			
48	3/4 (19)	0	1	2	2	3	4	5	5	6	7	8			
	7/8 (22)	0	0	1	1	1	2	2	2	3	3	4			
	1-1/8 (29)	0	0	0	0	0	0	0	0	1	1	1			
60	3/4 (19)	1	2	4	4	5	6	7	9	10	11	12			
	7/8 (22)	0	1	2	2	2	3	4	4	5	5	6			
	1-1/8 (29)	0	0	0	0	1	1	1	1	1	1	2			

Consult the Long Line Application Guideline document before purchasing/installing line sets.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit.

COOLING PERFORMANCE FOR COMBINATION RATINGS Indoor Models

For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org.
New ratings may be listed online before Specification Sheets are updated.

Unit Size	INDOOR MODEL	AHRI STANDARD RATINGS						FURNACE MODEL
		COOLING				EER		
		CAPACITY	FACTORY ENHANCE	SEER				
STANDARD	TDR			TXV				
R4A418*KA	EA*4X19L17A*	17,500	TXV		14.00		11.70	
R4A424*KA	EA*4X25L17A*	23,400	TXV		14.00		11.70	
R4A430*KA	EA*4X37L21A*	29,600	TXV		14.50		12.00	
R4A436*KA	EA*4X37L21A*	34,200	TXV		14.00		12.00	
R4A442*KA	EA*4X43L21A*	38,500	TXV		14.00		12.00	
R4A448*KA	EA*4X61L24A*	45,000	TXV		14.50		11.70	
R4A460*KA	EA*4X60L24A*	56,500	TXV		14.00		11.70	

* A = 2" (51mm) spacing inlet grille or
. G = 3/8" (10mm) spacing inlet grille

TESTED AHRI COMBINATION RATINGS*

NOTE: Ratings contained in this document are subject to change at any time.

For AHRI ratings certificates, please refer to the AHRI directory. www.ahridirectory.org

Additional ratings and system combinations can be accessed via the Maratherm database:
<http://www.icpeqp.com/AHRIratings/ratings.aspx?Brand=Maratherm>

Or scan this QR code:



EXPANDED COOLING PERFORMANCE RATINGS For Outdoor / Indoor Models #

For complete ratings information, use the AHRI website directory search: www.AHRIdirectory.org.
New ratings may be listed online before Specification Sheets are updated.

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
R4A418GKA Outdoor Section With EA*4X30L17** Indoor Section																			
525	72	20.84	11.15	1.18	20.08	10.86	1.33	19.26	10.56	1.49	18.34	10.22	1.67	17.28	9.84	1.89	16.07	9.40	2.13
	67	19.05	13.80	1.19	18.30	13.49	1.34	17.50	13.16	1.50	16.60	12.80	1.68	15.58	12.39	1.89	14.40	11.93	2.13
	63††	17.78	13.32	1.20	17.04	12.99	1.34	16.24	12.64	1.50	15.35	12.25	1.68	14.35	11.82	1.89	13.21	11.33	2.14
	62	17.42	16.39	1.20	16.70	16.06	1.34	15.92	15.68	1.50	15.12	15.12	1.68	14.34	14.34	1.89	13.45	13.45	2.13
	57	17.00	17.00	1.20	16.41	16.41	1.34	15.79	15.79	1.50	15.10	15.10	1.68	14.32	14.32	1.89	13.43	13.43	2.13
600	72	21.18	11.76	1.21	20.40	11.48	1.35	19.56	11.17	1.52	18.61	10.83	1.70	17.52	10.45	1.92	16.27	10.01	2.16
	67	19.36	14.78	1.22	18.61	14.48	1.36	17.78	14.15	1.52	16.86	13.79	1.71	15.81	13.37	1.92	14.62	12.90	2.16
	63††	18.10	14.24	1.23	17.35	13.91	1.37	16.53	13.56	1.53	15.62	13.17	1.71	14.59	12.73	1.92	13.42	12.24	2.16
	62	17.79	17.69	1.23	17.14	17.14	1.37	16.49	16.49	1.53	15.76	15.76	1.71	14.94	14.94	1.92	14.00	14.00	2.16
	57	17.72	17.72	1.23	17.11	17.11	1.37	16.46	16.46	1.53	15.74	15.74	1.71	14.92	14.92	1.92	13.98	13.98	2.16
675	72	21.42	12.36	1.23	20.63	12.08	1.38	19.76	11.77	1.55	18.80	11.43	1.73	17.69	11.05	1.94	16.41	10.61	2.19
	67	19.60	15.75	1.25	18.83	15.44	1.39	17.99	15.11	1.55	17.05	14.75	1.73	15.99	14.33	1.95	14.77	13.85	2.19
	63††	18.34	15.14	1.26	17.57	14.81	1.40	16.74	14.45	1.56	15.82	14.06	1.74	14.77	13.61	1.95	13.59	13.10	2.19
	62	18.33	18.33	1.25	17.71	17.71	1.40	17.04	17.04	1.55	16.28	16.28	1.74	15.43	15.43	1.95	14.46	14.46	2.19
	57	18.31	18.31	1.25	17.68	17.68	1.40	17.01	17.01	1.55	16.26	16.26	1.74	15.41	15.41	1.95	14.44	14.44	2.19

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
CFM	EWB °F	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
R4A424GKA Outdoor Section With EA*4X25L17** Indoor Section																			
700	72	27.81	14.89	1.62	26.74	14.49	1.80	25.61	14.07	2.00	24.39	13.62	2.23	23.06	13.14	2.51	21.56	12.60	2.83
	67	25.46	18.45	1.62	24.46	18.04	1.80	23.40	17.61	2.00	22.25	17.13	2.23	21.01	16.63	2.51	19.58	16.06	2.83
	63††	23.79	17.82	1.62	22.84	17.40	1.80	21.83	16.94	2.00	20.74	16.47	2.24	19.53	15.94	2.52	18.16	15.36	2.85
	62	23.31	21.92	1.62	22.38	21.48	1.80	21.40	21.01	2.00	20.37	20.37	2.24	19.43	19.43	2.51	18.33	18.33	2.84
	57	22.74	22.74	1.62	22.00	22.00	1.80	21.20	21.20	2.00	20.34	20.34	2.24	19.39	19.39	2.51	18.30	18.30	2.84
800	72	28.26	15.70	1.66	27.15	15.30	1.84	25.97	14.87	2.04	24.70	14.42	2.27	23.33	13.94	2.54	21.80	13.40	2.87
	67	25.87	19.75	1.66	24.84	19.33	1.84	23.75	18.90	2.04	22.56	18.42	2.27	21.27	17.91	2.55	19.81	17.34	2.87
	63††	24.22	19.04	1.66	23.25	18.61	1.84	22.19	18.15	2.04	21.05	17.67	2.28	19.82	17.14	2.55	18.40	16.54	2.88
	62	23.79	23.64	1.66	22.94	22.94	1.84	22.09	22.09	2.04	21.17	21.17	2.27	20.16	20.16	2.55	19.00	19.00	2.87
	57	23.69	23.69	1.66	22.90	22.90	1.84	22.06	22.06	2.04	21.14	21.14	2.27	20.13	20.13	2.55	18.98	18.98	2.87
900	72	28.57	16.50	1.70	27.42	16.10	1.87	26.21	15.67	2.08	24.91	15.21	2.31	23.51	14.73	2.58	21.94	14.19	2.90
	67	26.18	21.03	1.70	25.11	20.60	1.88	23.99	20.16	2.08	22.77	19.68	2.31	21.46	19.16	2.58	19.98	18.58	2.91
	63††	24.53	20.22	1.70	23.52	19.79	1.88	22.44	19.33	2.08	21.28	18.83	2.32	20.02	18.30	2.59	18.58	17.68	2.92
	62	24.50	24.50	1.70	23.67	23.67	1.88	22.78	22.78	2.08	21.82	21.82	2.31	20.76	20.76	2.59	19.55	19.55	2.91
	57	24.47	24.47	1.70	23.64	23.64	1.88	22.75	22.75	2.08	21.79	21.79	2.31	20.73	20.73	2.59	19.52	19.52	2.91

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
CFM	EWB °F	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**						
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†							
R4A430GKA Outdoor Section With EA*4X37L21A* Indoor Section																									
875	72	34.17	17.94	1.96	32.63	17.38	2.16	31.02	16.79	2.40	29.33	16.18	2.66	27.51	15.54	2.98	25.57	14.86	3.35						
	67	31.02	22.10	1.97	29.61	21.53	2.17	28.14	20.94	2.40	26.58	20.31	2.66	24.91	19.66	2.98	23.13	18.96	3.35						
	63††	28.77	21.25	1.97	27.46	20.67	2.17	26.08	20.08	2.40	24.62	19.45	2.67	23.07	18.79	2.98	21.39	18.09	3.35						
	62	28.19	26.15	1.97	26.92	25.56	2.17	25.60	25.36	2.40	24.34	24.34	2.66	23.11	23.11	2.98	21.76	21.76	3.35						
	57	27.51	27.51	1.97	26.51	26.51	2.17	25.45	25.45	2.40	24.30	24.30	2.66	23.07	23.07	2.98	21.73	21.73	3.35						
1000	72	34.79	18.95	2.01	33.19	18.37	2.21	31.51	17.78	2.44	29.73	17.16	2.71	27.85	16.51	3.03	25.85	15.82	3.40						
	67	31.61	23.69	2.01	30.13	23.11	2.21	28.60	22.50	2.44	26.98	21.87	2.71	25.25	21.19	3.03	23.42	20.49	3.40						
	63††	29.34	22.73	2.02	27.97	22.14	2.22	26.53	21.53	2.45	25.01	20.89	2.71	23.40	20.21	3.03	21.68	19.49	3.40						
	62	28.87	28.71	2.01	27.71	27.71	2.22	26.56	26.56	2.45	25.33	25.33	2.71	24.00	24.00	3.03	22.57	22.57	3.40						
	57	28.75	28.75	2.01	27.66	27.66	2.22	26.52	26.52	2.45	25.29	25.29	2.71	23.97	23.97	3.03	22.54	22.54	3.40						
1125	72	35.24	19.93	2.06	33.57	19.35	2.26	31.84	18.74	2.49	30.02	18.11	2.76	28.08	17.45	3.08	26.02	16.75	3.45						
	67	32.05	25.24	2.06	30.53	24.64	2.26	28.94	24.02	2.49	27.27	23.37	2.76	25.51	22.69	3.08	23.63	21.95	3.45						
	63††	29.77	24.16	2.06	28.34	23.56	2.26	26.86	22.94	2.49	25.30	22.28	2.76	23.65	21.59	3.08	21.90	20.83	3.45						
	62	29.83	29.83	2.06	28.67	28.67	2.26	27.45	27.45	2.49	26.15	26.15	2.76	24.74	24.74	3.07	23.23	23.23	3.45						
	57	29.79	29.79	2.06	28.63	28.63	2.26	27.41	27.41	2.49	26.11	26.11	2.76	24.71	24.71	3.07	23.20	23.20	3.45						

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
CFM	EWB °F	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**						
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†							
R4A436GKA Outdoor Section With EA*4X37L17A* Indoor Section																									
1050	72	41.01	22.33	2.30	39.34	21.71	2.58	37.16	20.92	2.85	34.76	20.05	3.16	32.31	19.19	3.53	29.95	18.38	4.00						
	67	38.18	28.11	2.30	36.67	27.49	2.57	34.60	26.64	2.84	32.34	25.73	3.14	30.03	24.81	3.50	27.81	23.93	3.98						
	63††	35.95	27.24	2.31	34.52	26.60	2.58	32.59	25.75	2.84	30.42	24.81	3.13	28.19	23.85	3.50	26.15	22.98	3.98						
	62	35.34	33.63	2.31	33.97	32.97	2.57	32.13	32.02	2.83	30.31	30.31	3.13	28.47	28.47	3.50	26.72	26.72	3.98						
	57	34.72	34.72	2.32	33.59	33.59	2.58	32.04	32.04	2.84	30.27	30.27	3.13	28.43	28.43	3.50	26.69	26.69	3.98						
1200	72	41.38	23.50	2.36	39.65	22.88	2.64	37.35	22.06	2.91	34.95	21.21	3.22	32.45	20.34	3.59	30.04	19.50	4.06						
	67	38.62	30.04	2.36	37.06	29.41	2.63	34.94	28.56	2.90	32.63	27.64	3.20	30.27	26.71	3.56	27.99	25.80	4.04						
	63††	36.46	29.05	2.37	34.99	28.41	2.63	32.98	27.54	2.89	30.76	26.59	3.19	28.46	25.61	3.55	26.38	24.71	4.04						
	62	36.09	35.91	2.37	34.84	34.84	2.63	33.16	33.16	2.89	31.29	31.29	3.19	29.34	29.34	3.56	27.44	27.44	4.04						
	57	36.00	36.00	2.37	34.79	34.79	2.63	33.12	33.12	2.89	31.24	31.24	3.19	29.30	29.30	3.56	27.42	27.42	4.04						
1350	72	41.60	24.63	2.42	39.82	24.00	2.70	37.54	23.20	2.97	35.04	22.33	3.28	32.50	21.46	3.65	30.06	20.63	4.12						
	67	38.92	31.92	2.41	37.32	31.28	2.68	35.15	30.42	2.95	32.81	29.49	3.26	30.41	28.52	3.62	28.13	27.55	4.10						
	63††	36.82	30.81	2.42	35.31	30.16	2.69	33.26	29.28	2.95	31.00	28.31	3.25	28.69	27.30	3.62	26.56	26.31	4.10						
	62	37.07	37.07	2.42	35.77	35.77	2.68	33.98	33.98	2.95	32.01	32.01	3.25	29.98	29.98	3.62	27.99	27.99	4.10						
	57	37.02	37.02	2.42	35.73	35.73	2.68	33.95	33.95	2.95	31.98	31.98	3.25	29.95	29.95	3.62	27.97	27.97	4.10						

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																							
		75 (23.9)				85 (29.4)				95 (35)				105 (40.6)				115 (46.1)				125 (51.7)			
CFM	EWB °F	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**						
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†							
R4A442GKA Outdoor Section With EA*4X43L21 Indoor Section																									
1225	72	46.79	25.57	2.60	44.65	24.77	2.86	42.40	23.95	3.15	40.04	23.09	3.47	37.52	22.19	3.84	34.83	21.24	4.26						
	67	42.38	31.68	2.61	40.45	30.89	2.86	38.42	30.07	3.15	36.27	29.20	3.47	33.99	28.29	3.84	31.54	27.32	4.25						
	63††	39.24	30.38	2.61	37.46	29.59	2.86	35.58	28.77	3.15	33.58	27.91	3.47	31.47	26.99	3.83	29.19	26.02	4.24						
	62	38.60	37.63	2.61	36.93	36.70	2.86	35.35	35.35	3.14	33.75	33.75	3.47	32.02	32.02	3.83	30.14	30.14	4.24						
	57	38.17	38.17	2.61	36.78	36.78	2.86	35.29	35.29	3.14	33.70	33.70	3.47	31.98	31.98	3.83	30.10	30.10	4.24						
1400	72	47.55	27.01	2.67	45.33	26.20	2.93	42.99	25.37	3.21	40.52	24.49	3.54	37.91	23.57	3.91	35.15	22.61	4.32						
	67	43.11	33.98	2.67	41.10	33.17	2.93	38.99	32.32	3.21	36.77	31.44	3.54	34.41	30.50	3.90	31.91	29.50	4.32						
	63††	39.94	32.51	2.67	38.08	31.70	2.93	36.14	30.86	3.21	34.06	29.97	3.54	31.88	29.03	3.90	29.56	28.02	4.31						
	62	39.87	39.87	2.67	38.37	38.37	2.93	36.76	36.76	3.21	35.04	35.04	3.54	33.19	33.19	3.90	31.17	31.17	4.32						
	57	39.81	39.81	2.67	38.31	38.31	2.93	36.71	36.71	3.21	34.99	34.99	3.54	33.14	33.14	3.90	31.13	31.13	4.31						
1575	72	48.11	28.39	2.74	45.80	27.57	2.99	43.39	26.72	3.28	40.85	25.83	3.61	38.17	24.91	3.98	35.33	23.93	4.39						
	67	43.66	36.19	2.74	41.58	35.36	2.99	39.41	34.49	3.28	37.13	33.57	3.60	34.73	32.60	3.97	32.20	31.50	4.38						
	63††	40.46	34.55	2.74	38.54	33.72	2.99	36.53	32.85	3.28	34.42	31.93	3.60	32.20	30.94	3.97	29.88	29.72	4.38						
	62	41.18	41.18	2.74	39.58	39.58	2.99	37.88	37.88	3.28	36.06	36.06	3.60	34.10	34.10	3.97	31.98	31.98	4.38						
	57	41.12	41.12	2.74	39.53	39.53	2.99	37.83	37.83	3.28	36.01	36.01	3.60	34.05	34.05	3.97	31.94	31.94	4.38						

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
CFM	EWB °F	Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
R4A448GKA Outdoor Section With EA*4X61L24A* Indoor Section																			
1400	72	53.91	26.70	3.12	51.70	25.95	3.46	49.29	25.14	3.81	46.61	24.25	4.20	43.50	23.23	4.66	39.94	22.07	5.22
	67	49.07	33.08	3.15	47.03	32.30	3.47	44.83	31.48	3.81	42.36	30.56	4.19	39.52	29.52	4.65	36.26	28.33	5.22
	63††	45.60	31.80	3.16	43.67	31.02	3.48	41.61	30.19	3.81	39.31	29.27	4.18	36.66	28.22	4.64	33.61	27.02	5.22
	62	44.81	39.26	3.16	42.96	38.43	3.48	41.03	40.90	3.80	39.14	39.14	4.18	36.99	36.99	4.64	34.49	34.49	5.22
	57	44.02	44.02	3.16	42.51	42.51	3.48	40.91	40.91	3.80	39.08	39.08	4.18	36.94	36.94	4.64	34.44	34.44	5.22
1600	72	54.74	28.18	3.20	52.46	27.42	3.54	49.97	26.60	3.89	47.17	25.68	4.28	43.95	24.64	4.74	40.30	23.48	5.30
	67	49.91	35.43	3.22	47.78	34.64	3.55	45.50	33.80	3.89	42.95	32.87	4.27	40.01	31.79	4.73	36.67	30.58	5.30
	63††	46.41	33.99	3.23	44.41	33.19	3.55	42.28	32.35	3.89	39.89	31.40	4.26	37.15	30.32	4.72	34.04	29.09	5.30
	62	45.97	45.97	3.23	44.36	44.36	3.55	42.62	42.62	3.89	40.65	40.65	4.27	38.35	38.35	4.73	35.68	35.68	5.30
	57	45.90	45.90	3.23	44.29	44.29	3.55	42.56	42.56	3.89	40.59	40.59	4.27	38.30	38.30	4.73	35.63	35.63	5.30
1800	72	55.35	29.59	3.27	53.00	28.82	3.62	50.43	27.99	3.97	47.55	27.07	4.35	44.26	26.02	4.82	40.51	24.83	5.38
	67	50.51	37.70	3.29	48.34	36.90	3.63	45.99	36.05	3.97	43.37	35.09	4.35	40.38	33.98	4.81	37.00	32.68	5.38
	63††	47.02	36.10	3.31	44.97	35.29	3.63	42.77	34.42	3.97	40.33	33.45	4.34	37.54	32.33	4.81	34.39	30.98	5.38
	62	47.51	47.51	3.31	45.80	45.80	3.63	43.96	43.96	3.97	41.87	41.87	4.35	39.44	39.44	4.81	36.63	36.63	5.38
	57	47.45	47.45	3.31	45.74	45.74	3.63	43.91	43.91	3.97	41.82	41.82	4.35	39.40	39.40	4.81	36.58	36.58	5.38

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F (°C)																	
		75 (23.9)			85 (29.4)			95 (35)			105 (40.6)			115 (46.1)			125 (51.7)		
		Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**	Capacity MBtuh		Total System KW**
CFM	EWB °F	Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
R4A460GKA Outdoor Section With EA*4X60L24A* Indoor Section																			
1750	72	68.41	35.82	4.01	65.35	34.67	4.39	62.15	33.49	4.86	58.70	32.23	5.39	55.01	30.89	5.96	50.87	29.41	6.55
	67	62.24	44.04	4.01	59.41	42.88	4.38	56.50	41.69	4.83	53.38	40.43	5.35	50.00	39.08	5.91	46.23	37.59	6.49
	63††	57.78	42.37	4.02	55.13	41.19	4.37	52.41	39.99	4.81	49.54	38.75	5.32	46.39	37.40	5.87	42.89	35.91	6.45
	62	56.92	52.17	4.02	54.40	50.96	4.37	51.84	49.69	4.81	49.16	49.16	5.32	46.64	46.64	5.88	43.73	43.73	6.46
	57	55.64	55.64	4.02	53.56	53.56	4.37	51.43	51.43	4.81	49.13	49.13	5.32	46.56	46.56	5.88	43.68	43.68	6.46
2000	72	69.54	37.55	4.10	66.36	36.39	4.49	63.04	35.18	4.96	59.50	33.91	5.49	55.63	32.53	6.06	51.36	31.03	6.66
	67	63.30	46.83	4.11	60.35	45.64	4.47	57.34	44.44	4.93	54.11	43.16	5.45	50.61	41.77	6.01	46.74	40.24	6.60
	63††	58.79	44.95	4.11	56.04	43.76	4.47	53.23	42.55	4.91	50.24	41.27	5.42	47.00	39.89	5.98	43.39	38.33	6.56
	62	58.25	55.83	4.11	55.72	55.33	4.47	53.37	53.37	4.91	50.91	50.91	5.43	48.16	48.16	5.99	45.09	45.09	6.58
	57	57.80	57.80	4.11	55.59	55.59	4.47	53.30	53.30	4.91	50.84	50.84	5.43	48.11	48.11	5.99	45.03	45.03	6.58
2250	72	70.37	39.17	4.20	67.10	37.99	4.59	63.67	36.77	5.06	60.02	35.48	5.59	56.04	34.08	6.17	51.66	32.55	6.76
	67	64.08	49.47	4.20	61.08	48.28	4.57	57.95	47.04	5.03	54.64	45.73	5.55	51.07	44.31	6.12	47.12	42.69	6.70
	63††	59.56	47.41	4.20	56.73	46.20	4.56	53.82	44.95	5.01	50.77	43.65	5.52	47.44	42.21	6.08	43.78	40.57	6.66
	62	59.69	59.69	4.20	57.32	57.32	4.56	54.90	54.90	5.02	52.28	52.28	5.53	49.41	49.41	6.10	46.17	46.17	6.69
	57	59.58	59.58	4.20	57.25	57.25	4.56	54.83	54.83	5.02	52.23	52.23	5.53	49.35	49.35	6.10	46.12	46.12	6.69

† Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kW) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

Expanded cooling capacities are based on indoor and outdoor unit at the same elevation per AHRI standard 210/240-2008. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

** System kw is total of indoor and outdoor unit kilowatts.

†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F edb.

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

EWB — Entering Wet Bulb

CONDENSER ONLY RATINGS

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
R4A418(A,G)KA									
30 (-1.11)	TCG	16.00	14.90	13.90	12.90	12.00	10.90	9.80	8.60
	SDT	73.60	83.20	92.80	102.60	112.40	122.40	132.30	142.40
	KW	0.77	0.88	0.99	1.12	1.27	1.44	1.65	1.88
35 (1.67)	TCG	17.60	16.50	15.40	14.40	13.40	12.20	11.00	9.80
	SDT	75.00	84.60	94.30	104.00	113.80	123.50	133.50	143.50
	KW	0.77	0.88	1.00	1.13	1.28	1.46	1.66	1.90
40 (4.44)	TCG	19.40	18.20	17.10	16.00	14.90	13.70	12.40	11.00
	SDT	76.50	86.10	95.80	105.40	115.00	124.80	134.60	144.60
	KW	0.77	0.88	1.00	1.14	1.29	1.47	1.67	1.91
45 (7.22)	TCG	21.20	20.00	18.90	17.70	16.50	15.20	13.80	12.30
	SDT	78.00	87.50	97.10	106.70	116.40	126.10	135.90	145.70
	KW	0.77	0.88	1.01	1.14	1.30	1.48	1.69	1.93
50 (10.0)	TCG	23.20	22.00	20.80	19.50	18.30	16.90	15.40	13.80
	SDT	79.30	88.90	98.50	108.10	117.70	127.40	137.10	146.90
	KW	0.76	0.88	1.01	1.15	1.30	1.49	1.70	1.94
55 (12.78)	TCG	25.30	24.00	22.80	21.50	20.10	18.70	17.10	15.40
	SDT	80.80	90.40	100.00	109.50	119.10	128.80	138.40	148.00
	KW	0.75	0.87	1.00	1.15	1.31	1.50	1.71	1.95
R4A424(A,G)KA									
30 (-1.11)	TCG	21.30	20.10	18.90	17.70	16.60	15.40	14.20	13.00
	SDT	69.90	79.40	88.80	98.30	107.80	117.30	126.70	136.10
	KW	1.05	1.21	1.37	1.54	1.74	1.96	2.22	2.52
35 (1.67)	TCG	23.40	22.10	20.80	19.60	18.30	17.10	15.80	14.40
	SDT	71.10	80.60	90.00	99.50	108.90	118.20	127.50	136.90
	KW	1.06	1.21	1.37	1.54	1.74	1.96	2.22	2.52
40 (4.44)	TCG	25.60	24.20	22.90	21.50	20.20	18.80	17.40	15.90
	SDT	72.40	81.80	91.20	100.60	109.80	119.10	128.40	137.70
	KW	1.06	1.21	1.37	1.55	1.74	1.97	2.22	2.53
45 (7.22)	TCG	28.00	26.50	25.10	23.60	22.10	20.60	19.00	17.40
	SDT	73.80	83.20	92.40	101.70	110.90	120.20	129.40	138.60
	KW	1.07	1.22	1.37	1.55	1.74	1.97	2.23	2.53
50 (10.0)	TCG	30.50	28.90	27.30	25.80	24.10	22.50	20.80	19.00
	SDT	75.20	84.40	93.70	102.90	112.10	121.20	130.40	139.60
	KW	1.07	1.22	1.37	1.55	1.74	1.97	2.23	2.53
55 (12.78)	TCG	33.20	31.50	29.80	28.00	26.20	24.40	22.60	20.70
	SDT	76.70	85.80	95.00	104.20	113.30	122.40	131.50	140.60
	KW	1.07	1.22	1.38	1.55	1.75	1.97	2.23	2.53
R4A430(A,G)KA									
30 (-1.11)	TCG	24.90	23.60	22.30	21.00	19.60	18.30	16.80	15.20
	SDT	68.80	78.20	87.70	97.20	106.60	116.00	125.40	134.80
	KW	1.22	1.39	1.56	1.74	1.95	2.19	2.47	2.80
35 (1.67)	TCG	27.40	26.00	24.60	23.20	21.70	20.20	18.60	16.90
	SDT	70.00	79.40	88.80	98.10	107.50	116.90	126.20	135.50
	KW	1.23	1.39	1.56	1.75	1.96	2.20	2.48	2.81
40 (4.44)	TCG	30.10	28.60	27.00	25.50	23.90	22.20	20.50	18.70
	SDT	71.30	80.60	89.90	99.20	108.50	117.80	127.10	136.40
	KW	1.24	1.40	1.57	1.76	1.97	2.21	2.49	2.82
45 (7.22)	TCG	33.10	31.40	29.70	28.00	26.30	24.50	22.60	20.60
	SDT	72.70	81.90	91.10	100.40	109.60	118.90	128.10	137.30
	KW	1.24	1.40	1.57	1.76	1.97	2.22	2.50	2.83
50 (10.0)	TCG	36.20	34.40	32.50	30.70	28.80	26.80	24.80	22.60
	SDT	74.20	83.20	92.40	101.60	110.80	120.00	129.10	138.20
	KW	1.25	1.41	1.58	1.77	1.98	2.22	2.51	2.84
55 (12.78)	TCG	39.60	37.60	35.60	33.50	31.50	29.30	27.10	24.80
	SDT	75.70	84.70	93.80	102.90	112.00	121.10	130.20	139.20
	KW	1.25	1.41	1.58	1.77	1.98	2.23	2.52	2.85
R4A436(A,G)KA									
30 (-1.11)	TCG	26.10	27.90	27.70	26.40	24.50	22.40	20.20	18.30
	SDT	67.10	78.20	88.40	98.00	107.30	116.50	125.70	135.10
	KW	1.34	1.73	2.00	2.24	2.48	2.75	3.08	3.51
35 (1.67)	TCG	29.80	31.20	30.80	29.30	27.20	24.90	22.60	20.50
	SDT	68.60	79.50	89.50	98.90	108.10	117.30	126.50	135.80
	KW	1.33	1.71	1.99	2.23	2.47	2.74	3.07	3.51
40 (4.44)	TCG	33.60	34.60	33.90	32.20	30.00	27.50	25.10	22.80
	SDT	70.00	80.80	90.50	99.80	109.10	118.20	127.30	136.60
	KW	1.31	1.69	1.97	2.21	2.46	2.73	3.07	3.50
45 (7.22)	TCG	37.30	38.00	37.10	35.20	32.70	30.10	27.50	25.10
	SDT	71.40	81.80	91.50	100.80	110.00	119.00	128.10	137.30
	KW	1.30	1.67	1.95	2.20	2.45	2.73	3.07	3.50
50 (10.0)	TCG	41.00	41.30	40.10	38.00	35.40	32.60	29.80	27.30
	SDT	72.60	82.80	92.40	101.70	110.80	119.80	128.90	138.00
	KW	1.28	1.65	1.94	2.19	2.45	2.74	3.08	3.51
55 (12.78)	TCG	44.50	44.50	43.00	40.70	37.90	34.90	32.00	29.20
	SDT	73.70	83.80	93.40	102.60	111.70	120.60	129.60	138.70
	KW	1.26	1.64	1.94	2.20	2.46	2.75	3.09	3.53

See notes on page 11

CONDENSER ONLY RATINGS CONTINUED

SST °F (°C)		CONDENSER ENTERING AIR TEMPERATURES °F (°C)							
		55 (12.78)	65 (18.33)	75 (23.89)	85 (29.44)	95 (35.0)	105 (40.56)	115 (46.11)	125 (51.67)
R4A442(A,G)KA									
30 (-1.11)	TCG	33.60	32.00	30.40	28.70	26.90	25.00	23.10	21.00
	SDT	67.80	77.30	86.90	96.50	106.00	115.50	125.00	134.40
	KW	1.73	1.92	2.14	2.39	2.66	2.97	3.31	3.70
35 (1.67)	TCG	37.10	35.30	33.50	31.60	29.70	27.60	25.50	23.30
	SDT	69.00	78.50	88.00	97.50	107.00	116.40	125.70	135.10
	KW	1.73	1.93	2.15	2.40	2.67	2.98	3.33	3.71
40 (4.44)	TCG	40.80	38.90	36.90	34.80	32.70	30.50	28.10	25.70
	SDT	70.20	79.70	89.10	98.60	108.00	117.30	126.50	135.80
	KW	1.74	1.94	2.16	2.41	2.68	2.99	3.34	3.73
45 (7.22)	TCG	44.90	42.70	40.50	38.20	35.90	33.50	31.00	28.30
	SDT	71.60	80.90	90.30	99.60	108.90	118.20	127.40	136.60
	KW	1.74	1.94	2.17	2.41	2.69	3.00	3.35	3.74
50 (10.0)	TCG	49.30	46.90	44.40	42.00	39.40	36.70	34.00	31.10
	SDT	73.00	82.30	91.50	100.70	110.00	119.20	128.30	137.50
	KW	1.75	1.95	2.17	2.42	2.70	3.01	3.36	3.76
55 (12.78)	TCG	54.00	51.40	48.70	45.90	43.10	40.20	37.20	34.10
	SDT	74.50	83.60	92.80	101.90	111.10	120.20	129.30	138.40
	KW	1.75	1.95	2.17	2.42	2.71	3.02	3.38	3.77
R4A448(A,G)KA									
30 (-1.11)	TCG	40.80	38.00	35.60	33.50	31.40	29.10	26.60	23.70
	SDT	69.00	78.10	87.30	96.60	106.00	115.30	124.50	133.70
	KW	2.01	2.38	2.69	2.97	3.28	3.65	4.13	4.75
35 (1.67)	TCG	44.70	41.80	39.30	37.10	34.80	32.30	29.50	26.40
	SDT	70.30	79.30	88.50	97.70	107.00	116.30	125.40	134.60
	KW	1.99	2.37	2.69	2.99	3.30	3.67	4.14	4.75
40 (4.44)	TCG	48.90	45.90	43.30	40.90	38.40	35.70	32.60	29.20
	SDT	71.70	80.60	89.80	99.00	108.20	117.30	126.50	135.50
	KW	1.97	2.36	2.69	3.00	3.32	3.69	4.16	4.76
45 (7.22)	TCG	53.30	50.30	47.60	45.00	42.20	39.30	35.90	32.20
	SDT	73.10	82.10	91.10	100.30	109.40	118.50	127.50	136.40
	KW	1.94	2.35	2.69	3.01	3.34	3.71	4.18	4.76
50 (10.0)	TCG	58.10	55.00	52.10	49.30	46.30	43.10	39.40	35.30
	SDT	74.70	83.60	92.60	101.70	110.70	119.70	128.60	137.40
	KW	1.90	2.32	2.68	3.01	3.35	3.73	4.19	4.77
55 (12.78)	TCG	63.30	60.00	57.00	53.90	50.60	47.00	43.00	38.60
	SDT	76.40	85.20	94.20	103.20	112.20	121.00	129.80	138.40
	KW	1.86	2.30	2.67	3.01	3.36	3.74	4.20	4.77
R4A460(A,G)KA									
30 (-1.11)	TCG	26.10	27.90	27.70	26.40	24.50	22.40	20.20	18.30
	SDT	67.10	78.20	88.40	98.00	107.30	116.50	125.70	135.10
	KW	1.34	1.73	2.00	2.24	2.48	2.75	3.08	3.51
35 (1.67)	TCG	29.80	31.20	30.80	29.30	27.20	24.90	22.60	20.50
	SDT	68.60	79.50	89.50	98.90	108.10	117.30	126.50	135.80
	KW	1.33	1.71	1.99	2.23	2.47	2.74	3.07	3.51
40 (4.44)	TCG	33.60	34.60	33.90	32.20	30.00	27.50	25.10	22.80
	SDT	70.00	80.80	90.50	99.80	109.10	118.20	127.30	136.60
	KW	1.31	1.69	1.97	2.21	2.46	2.73	3.07	3.50
45 (7.22)	TCG	37.30	38.00	37.10	35.20	32.70	30.10	27.50	25.10
	SDT	71.40	81.80	91.50	100.80	110.00	119.00	128.10	137.30
	KW	1.30	1.67	1.95	2.20	2.45	2.73	3.07	3.50
50 (10.0)	TCG	41.00	41.30	40.10	38.00	35.40	32.60	29.80	27.30
	SDT	72.60	82.80	92.40	101.70	110.80	119.80	128.90	138.00
	KW	1.28	1.65	1.94	2.19	2.45	2.74	3.08	3.51
55 (12.78)	TCG	44.50	44.50	43.00	40.70	37.90	34.90	32.00	29.20
	SDT	73.70	83.80	93.40	102.60	111.70	120.60	129.60	138.70
	KW	1.26	1.64	1.94	2.20	2.46	2.75	3.09	3.53

* AHRI listing applies only to systems shown in Combination Ratings table.

KW – Outdoor Unit Kilowatts Only.

SDT – Saturated Temperature Leaving Compressor (°F)

SST – Saturated Temperature Entering Compressor (°F/°C)

TCG – Gross Cooling Capacity (1000 Btuh)

ACCESSORY USAGE GUIDELINES

ACCESSORY	REQUIRED FOR LOW-AMBIENT COOLING APPLICATIONS (Below 55°F/12.8°C)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 ft./24.38 m)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles/ 3.22 km)
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Hard Shut-Off TXV	Yes	Yes	Yes
Liquid Line Solenoid Valve	No	No	No
Low-ambient Pressure Switch	Yes	No	No
Support Feet	Recommended	No	Recommended
Winter Start Control	Yes**	No	No

* For tubing line sets between 80 and 200 ft. (24.38 and 60.96 m) and/or 20 ft. (6.09 m) vertical differential, refer to Residential Split-System Longline Application Guideline.

** Can only be installed in conjunction with Low Pressure Switch.

ACCESSORIES

Accessory Kit Number	Description	18	24	30	36	42	48	60
NASA003CH	Crankcase Heater for Scroll Compressor					X	X	X
NASA001CH	Crankcase Heater for Scroll Compressor	X	X	X	X			
NASA001SC	Start Component – PTC Device	X	X	X	X	X	X	X
NASA00201FS	Evaporator Freeze Thermostat	X	X	X	X	X	X	X
NASA404PS	High Pressure Switch	X	X	X	X	X	X	X
NASA403PS	Low Pressure Switch, AC, R-410A	X	X	X	X	X	X	X
NASA401LS	Liquid Line Solenoid Valve, R-410A	X	X	X	X	X	X	X
NASA001TD	Time Delay Relay, Indoor Blower	X	X	X	X	X	X	X
NASA00201WS	Winter Start Control	X	X	X	X	X	X	X
NASA001AC	Anti-Cycle Timer (5 minute delay)	X	X	X	X	X	X	X
NASA404PS	High Pressure Switch, AC or HP, R-410A	X	X	X	X	X	X	X
NASA401LA	Low Ambient Kit (Pressure Switch), R-410A	X	X	X	X	X	X	X
NASA001SJ	Sound Jacket, Compressor					X	X	
NASA002SJ	Sound Jacket, Compressor	X	X	X				
NASA003SJ	Sound Jacket, Compressor							X
NAEA40501TX	TXV Kit for use with copper or tin fan coils	X	X	X				
NAEA40601TX	TXV Kit for use with copper or tin fan coils				X	X		
NAEA40701TX	TXV Kit for use with copper or tin fan coils						X	
NAEB40501TX	TXV Kit for use with aluminum fan coils	X	X	X				
NAEB40601TX	TXV Kit for use with aluminum fan coils				X	X		
NAEB40701TX	TXV Kit for use with aluminum fan coils						X	
NASA00201SF	Support Feet, 4" (102mm) tall (5 blocks)	X	X	X	X	X	X	X