



# R4H3

## Product Specifications

### EFFICIENT 13 SEER HEAT PUMP ENVIRONMENTALLY SOUND R-410A REFRIGERANT 1-1/2 THRU 5 TONS SPLIT SYSTEM 208 / 230 Volt, 1-phase, 60 Hz

#### REFRIGERATION CIRCUIT

- Copeland Scroll™ compressors on all models
- Suction line accumulator factory installed
- Integrated solid state control with Time-Temperature Defrost
- High and Low pressure switches
- 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

#### WARRANTY\*

- 5 year compressor limited warranty
- 5 year parts limited warranty (including compressor and coil)
  - With timely registration, an additional 5 year parts limited warranty (including compressor and coil)
- \* Applies to original purchaser/homeowner, some limitations may apply. See Warranty certificate for complete details.



Use of the AHRI Certified TM Mark indicates a manufacturer's participation in the program. For verification of certification for individual products, go to [www.ahridirectory.org](http://www.ahridirectory.org).

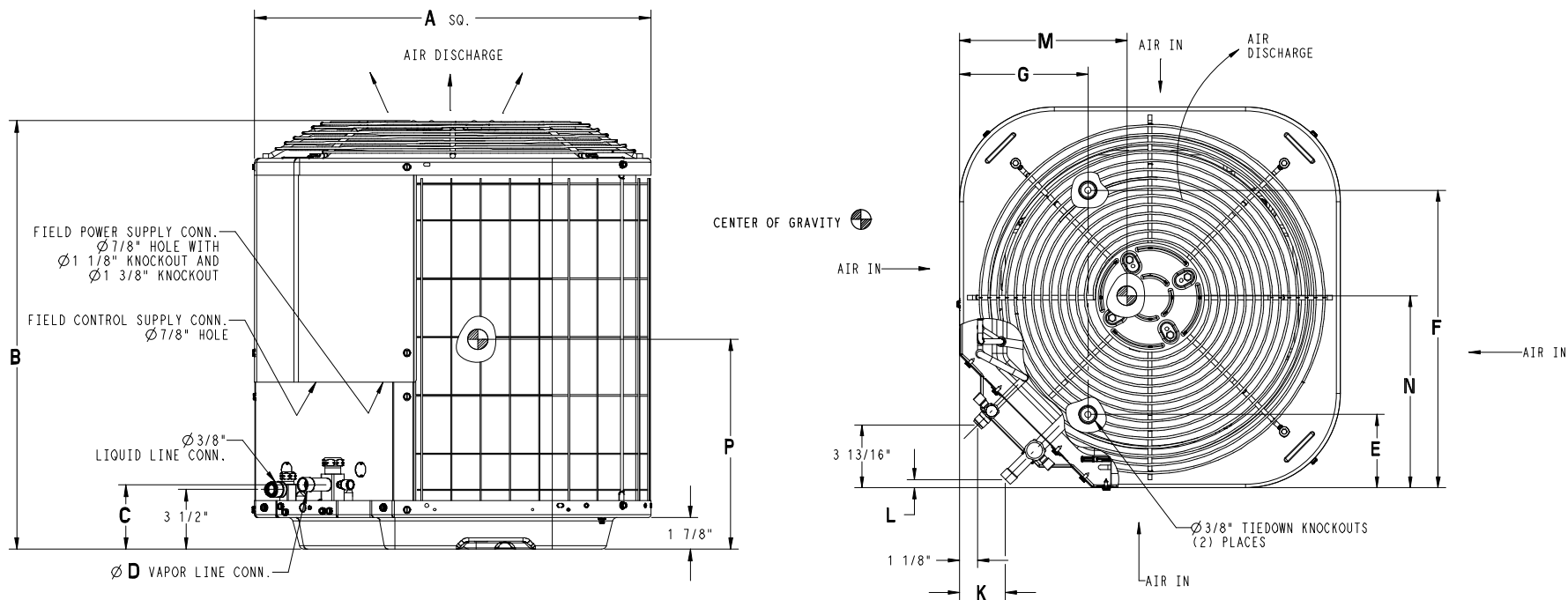


Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Shipping/Operating Weight lbs.(kg)
R4H318AKA	1-1/2	18,000	12.9	20	28-7/16 x 23-1/8 x 23-1/8 (722 x 587 x 587)	131 / 117 (59 / 53)
18GKA	same model with 3/8" spacing inlet grille					136 / 123 (62 / 56)
R4H324AKA	2	24,000	16.8	25	28-7/16 x 23-1/8 x 23-1/8 (722 x 587 x 587)	132 / 118 (60 / 54)
24GKA	same model with 3/8" spacing inlet grille					137 / 124 (62 / 56)
R4H330AKA	2-1/2	30,000	20.8	30	35-3/16 x 23-1/8 x 23-1/8 (894 x 587 x 587)	147 / 132 (67 / 60)
30GKA	same model with 3/8" spacing inlet grille					155 / 139 (70 / 63)
R4H336AKA	3	36,000	22.2	35	28-7/16 x 31-3/16 x 31-3/16 (722 x 792 x 792)	175 / 151 (79 / 69)
36GKA	same model with 3/8" spacing inlet grille					180 / 159 (82 / 72)
R4H342AKA	3-1/2	42,000	26.2	40	31-13/16 x 31-3/16 x 31-3/16 (808 x 792 x 792)	205 / 182 (93 / 83)
42GKA	same model with 3/8" spacing inlet grille					217 / 193 (98 / 88)
R4H348AKA	4	48,000	28.7	40	38-5/8 x 31-3/16 x 31-3/16 (981 x 792 x 792)	220 / 198 (100 / 90)
48GKA	same model with 3/8" spacing inlet grille					232 / 209 (105 / 95)
R4H360AKA	5	60,000	34.3	50	31-13/16 x 31-3/16 x 31-3/16 (808 x 792 x 792)	243 / 220 (110 / 100)
60GKA	same model with 3/8" spacing inlet grille					247 / 225 (112 / 102)

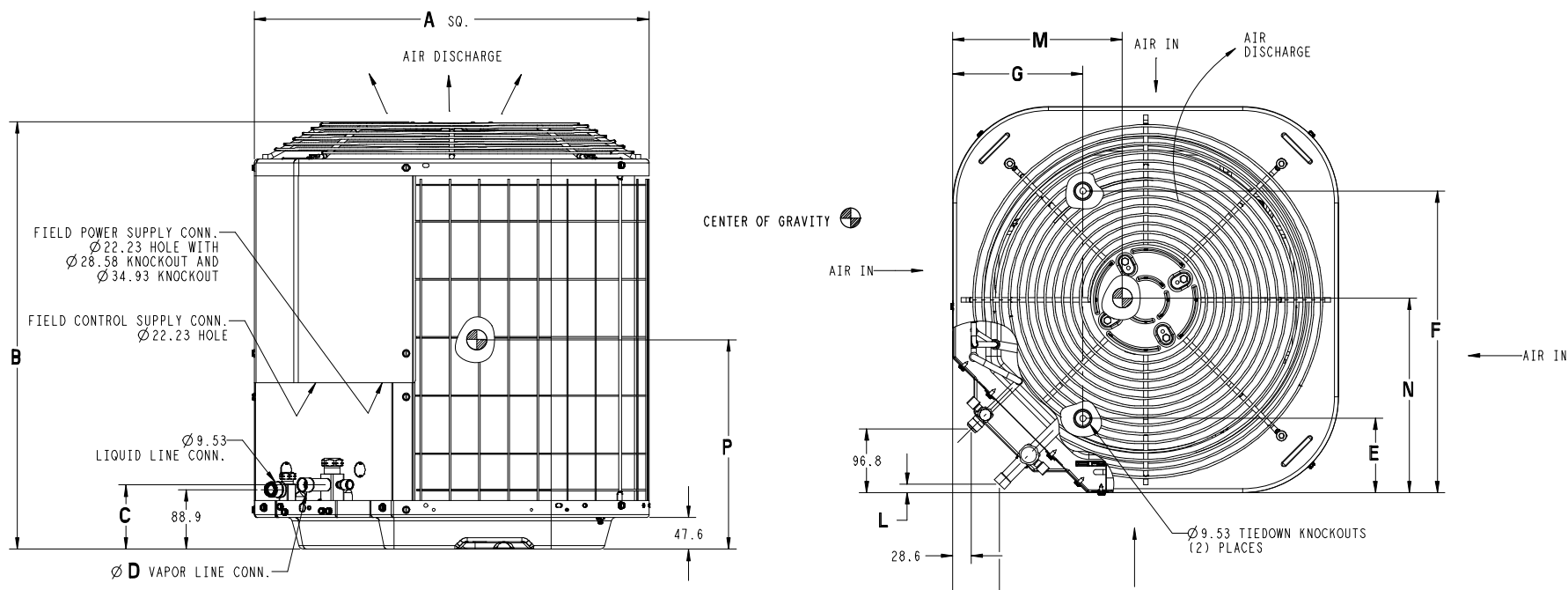
Specifications subject to change without notice.

<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>R</b>	<b>4</b>	<b>H</b>	<b>3</b>	<b>18</b>	<b>A</b>	<b>K</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>0</b>
Product Family	<b>REFRIGERANT</b>		<b>TYPE</b>		<b>NOMINAL EFFICIENCY</b>		<b>NOMINAL CAPACITY</b>		<b>FEATURES</b>		
4 = R-410A		A = Air Conditioner		3 = 13 SEER		A = Standard Grille		K = 208/230-1-60			
H = Heat Pump		4 = 14 SEER		18 = 18,000 BTUH = 1-1/2 tons		G = Coil Guard Grille		Sales Code			
3 = 13 SEER		3 = 13 SEER		24 = 24,000 BTUH = 2 tons		K = 208/230-1-60		Engineering Revision			
4 = 14 SEER		3 = 13 SEER		30 = 30,000 BTUH = 2-1/2 tons		K = 208/230-1-60		Extra Digit			
3 = 13 SEER		3 = 13 SEER		36 = 36,000 BTUH = 3 tons		K = 208/230-1-60		Extra Digit			
4 = 14 SEER		3 = 13 SEER		42 = 42,000 BTUH = 3-1/2 tons		K = 208/230-1-60		Extra Digit			
18 = 18,000 BTUH = 1-1/2 tons		3 = 13 SEER		48 = 48,000 BTUH = 4 tons		K = 208/230-1-60		Extra Digit			
24 = 24,000 BTUH = 2 tons		3 = 13 SEER		60 = 60,000 BTUH = 5 tons		K = 208/230-1-60		Extra Digit			
30 = 30,000 BTUH = 2-1/2 tons		3 = 13 SEER		A = Standard Grille		K = 208/230-1-60		Extra Digit			
36 = 36,000 BTUH = 3 tons		3 = 13 SEER		G = Coil Guard Grille		K = 208/230-1-60		Extra Digit			
42 = 42,000 BTUH = 3-1/2 tons		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
48 = 48,000 BTUH = 4 tons		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
60 = 60,000 BTUH = 5 tons		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
A = Standard Grille		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
G = Coil Guard Grille		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
K = 208/230-1-60		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
Sales Code		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
Engineering Revision		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
Extra Digit		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			
Extra Digit		3 = 13 SEER		K = 208/230-1-60		K = 208/230-1-60		Extra Digit			

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



Model * = A or G	All Dimensions Inches (English)												Minimum Mounting Pad Size	Crated Dimensions h x w x d
	A	B	C	D	E	F	G	K	L	M	N	P		
R4H318*KA	23-1/8	28-7/16	3-3/4	5/8	4-7/16	18-1/16	7-13/16	2-13/16	1/2	11-1/2	10-1/2	12-1/2	23-1/2 X 23-1/2	30-5/8 X 24-1/8 x 24-1/8
R4H324*KA	23-1/8	28-7/16	3-3/4	3/4	4-7/16	18-1/16	7-13/16	2-13/16	1/2	11-1/2	10-1/2	12-1/2	23-1/2 X 23-1/2	30-5/8 X 24-1/8 x 24-1/8
R4H330*KA	23-1/8	35-3/16	3-3/4	3/4	4-7/16	18-1/16	7-13/16	2-13/16	1/2	11-1/2	10-1/2	13-1/2	23-1/2 X 23-1/2	37-7/16 X 24-1/8 x 24-1/8
R4H336*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	15	15	12	31-1/2 X 31-1/2	30-5/8 X 32-3/16 x 32-3/16
R4H342*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	15	11-1/2	31-1/2 X 31-1/2	34 X 32-3/16 x 32-3/16
R4H348*KA	31-3/16	38-5/8	3-7/8	7/8	6-9/16	24-11/16	9-1/8	2-15/16	5/8	15	15	15-1/2	31-1/2 X 31-1/2	40-13/16 X 32-3/16 x 32-3/16
R4H360*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	15	11-1/2	31-1/2 X 31-1/2	34 X 32-3/16 x 32-3/16



All Dimensions mm (SI Metric)

Model * = A or G	All Dimensions mm (SI Metric)												Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x A(d)
	A	B	C	D	E	F	G	K	L	M	N	P		
R4H318*KA	587	722	95	16	113	459	198	71	13	292	267	318	597 x 597	778 x 613 x 613
R4H324*KA	587	722	95	19	113	459	198	71	13	292	267	318	597 x 597	778 x 613 x 613
R4H330*KA	587	894	95	19	113	459	198	71	13	292	267	343	597 x 597	951 x 613 x 613
R4H336*KA	792	722	98	22	167	627	232	75	16	381	381	305	800 x 800	778 x 818 x 818
R4H342*KA	792	808	98	22	167	627	232	75	16	381	381	292	800 x 800	864 x 818 x 818
R4H348*KA	792	981	98	22	167	627	232	75	16	381	381	394	800 x 800	1037 x 818 x 818
R4H360*KA	792	808	98	22	167	627	232	75	16	381	381	292	800 x 800	864 x 818 x 818

PHYSICAL DATA								
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	13.0	13.0	13.0	13.0	13.0	13.0	13.0	
Sound Rating (dBA)**	76	76	77	78	80	80	80	
PSC Fan Motor HP	1/12	1/10	1/10	1/4	1/4	1/4	1/4	
Fan RPM (single speed)	1100	1100	1100	1100	1100	1100	1100	
Fan CFM	1700	2000	2000	3400	3400	3400	3400	
Coil Face Area ft <sup>2</sup> (m <sup>2</sup> )	9.8 (0.91)	9.8 (0.91)	12.6 (1.17)	15.14 (1.41)	17.30 (1.61)	21.63 (2.01)	17.30 (1.61)	
Coil Rows – fins per inch	1 – 20	1 – 20	1 – 25	1 – 20	1 – 20	1 – 25	2 – 20	
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	
Vapor Line Connection Size in. (mm)	5/8 (16)	3/4 (19)	3/4 (19)	7/8 (22)	7/8 (22)	7/8 (22)	7/8 (22)	
Recommended Line Set Liquid Tube Diameter in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)	
Recommended Line Set Vapor Tube Diameter in. (mm)	5/8 (16)*	3/4 (19)*	3/4 (19)*	7/8 (22)*	7/8 (22)*	7/8 (22)*	1 1/8 (29)*	
* Recommended Vapor Tube Line size is for standard installations. These recommendations may not apply to “Long Line” installations. When the total equivalent line length exceeds 80 feet (24.4m) or there is more than 20 feet (6.1m) vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.								
Factory Charge R-410A lbs. (kg)	4.00 (1.81)	4.38 (1.99)	4.59 (2.08)	6.25 (2.83)	6.75 (3.06)	7.72 (3.50)	9.40 (4.26)	
Required Subcooling ° F (° C)	15 (8)	16 (9)	12 (7)	16 (9)	16 (9)	16 (9)	15 (8)	
Models AKA	Weight, shipping lbs. (kg)	131 (59)	132 (60)	147 (67)	175 (79)	205 (93)	220 (100)	243 (110)
	Weight, operating lbs. (kg)	117 (53)	117 (54)	132 (60)	151 (69)	182 (83)	198 (90)	220 (100)
Models GKA	Weight, shipping lbs. (kg)	136 (62)	137 (62)	155 (70)	180 (82)	217 (98)	232 (105)	247 (112)
	Weight, operating lbs. (kg)	123 (56)	124 (56)	139 (63)	159 (72)	193 (88)	209 (95)	225 (102)

ELECTRICAL DATA (208/230-1-60, voltage range 197V – 253V)							
Model Size	18	24	30	36	42	48	60
Minimum Circuit Ampacity – <b>MCA</b> (amps)	12.9	16.8	20.8	22.2	26.2	28.7	34.3
Maximum OverCurrent Protective device – <b>MOCP</b> (amps)	20	25	30	35	40	40	50
Compressor <b>RLA</b> (Rated Load Amps) <b>LRA</b> (Locked Rotor Amps)	9.9 48.0	12.8 53.0	16.0 77.0	16.7 79.0	19.9 109.0	21.8 117.0	26.3 134.0
Fan Motor <b>FLA</b> (Full Load Amps)	0.5	0.77	0.77	1.4	1.4	1.4	1.4

\*\*Sound Rating tested in accordance with ARI Standard 270-95 (not listed with ARI).

**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
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
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
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
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	

\* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet (24.4m) or there is more than 20 foot (6.1m) vertical separation between indoor and outdoor units. These applications require additional accessories and system modifications for reliable system operation.

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

## COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS Indoor Models

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

Outdoor Model	Indoor Model († tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP	
R4H318AKA R4H318GKA	‡FEM4X18****	—	TDR&TXV	17,000	0.76	10.80	13.00		16,400	3.56	9,900	2.32	7.7
	EN(A,D)4X18*14**	*8MV*0701412**	TDR&TXV	17,000	0.76	10.80		13.50	16,400	3.56	9,900	2.32	7.7
	ED*4X18B**	MV08B15**B*	TDR&TXV	17,000	0.76	10.80	13.00		16,400	3.48	9,700	2.30	7.7
	EN(A,D)4X18*14**	*8MX*0451408**	TDR&TXV	17,000	0.76	11.00	14.00		16,400	3.64	9,900	2.38	8.0
	FEM4P18**A*+TXV	—	TDR	17,000	0.76	10.80		13.50	16,400	3.48	9,800	2.28	7.7
	FEA4X18**A*	—	TDR&TXV	17,000	0.76	10.50	13.00		16,400	3.56	10,000	2.30	7.7
	FXM4X18**A*	—	TDR&TXV	17,400	0.76	10.80	13.50		16,400	3.52	9,900	2.30	7.7
R4H324AKA R4H324GKA	‡FEM4X24****	—	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.54	13,000	2.30	7.7
	ED*4X24B**	MV08B15**B*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.60	12,700	2.34	7.7
	ED*4X24F**	*8MPV075	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.66	13,100	2.36	7.7
	ED*4X24F**	MV12F19**B*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.62	12,700	2.34	7.7
	EHD4X24A**	*8MPV075	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.58	13,100	2.34	7.7
	EHD4X24A**	*8MPV100	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.66	13,100	2.38	7.7
	EHD4X24A**	*8MPV125	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.66	13,100	2.38	7.7
	EHD4X24A**	*8MV*0701412**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.54	12,800	2.30	7.7
	EHD4X24A**	*8MV*0901716**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,800	2.32	7.7
	EHD4X24A**	*8MV*1102120**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.54	12,900	2.32	7.7
	EHD4X24A**	*8MV*1352422**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,800	2.32	7.7
	EHD4X24A**	*8MX*0451408**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,900	2.32	7.7
	EHD4X24A**	*9MPV125	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.62	13,100	2.36	7.7
	EHD4X24A**	*9MVX080	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.64	13,200	2.36	7.7
	EHD4X24A**	*9MVX100	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.62	13,100	2.36	7.7
	EHD4X24A**	MV08B15**B*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.62	12,800	2.36	7.7
	EHD4X24A**	MV12F19**B*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.62	12,800	2.36	7.7
	EHD4X24A**	NOMV106D12*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.52	12,800	2.30	7.7
	EN(A,D)4X24*14**	*8MX*0451408**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,900	2.32	7.7
	EN(A,D)4X24*17**	*8MV*0901716**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,700	2.32	7.7
	EN(A,D)4X24*17**	NOMV106D12*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.52	12,800	2.30	7.7
	ENH4X24*17**	*8MV*0701412**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.52	12,800	2.30	7.7
	ENH4X24*17**	*8MV*0901716**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,700	2.32	7.7
	ENH4X24*17**	*8MV*1102120**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.54	12,800	2.30	7.7
	ENH4X24*17**	*8MV*1352422**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,800	2.32	7.7
	ENH4X24*17**	*8MX*0451408**	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.56	12,900	2.32	7.7
	ENH4X24*17**	NOMV106D12*	TDR&TXV	22,400	0.76	10.60	13.00		21,000	3.52	12,800	2.30	7.7
	FEA4X24**A	—	TDR&TXV	22,400	0.76	10.50	13.00		21,000	3.50	12,800	2.28	7.7
	FXM4X24**A*	—	TDR&TXV	23,000	0.76	10.60	13.00		21,000	3.64	13,000	2.34	7.8
	R4H330AKA	‡FEM4X30****	—	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.54	16,100	2.42
R4H330GKA	ED*4X30B**	MV08B15**B*	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.48	15,800	2.44	7.7

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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## COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued) Indoor Models

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP	
R4H330AKA R4H330GKA (continued)	ED*4X30F**	MV12F19**B*	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.50	15,700	2.46	7.7
	EHD4X30A**	*8MPV100	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.44	15,900	2.44	7.7
	EHD4X30A**	*8MPV125	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.44	15,900	2.44	7.7
	EHD4X30A**	*8MV*0701412**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.42	15,900	2.40	7.7
	EHD4X30A**	*8MV*0901716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.44	15,800	2.42	7.7
	EHD4X30A**	*8MV*1102120**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,800	2.42	7.7
	EHD4X30A**	*8MV*1352422**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,800	2.44	7.7
	EHD4X30A**	*8MX*0701716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.42	16,000	2.40	7.7
	EHD4X30A**	*8MX*0902116**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.44	15,900	2.42	7.7
	EHD4X30A**	*9MPV125	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.44	15,900	2.42	7.7
	EHD4X30A**	*9MVX100	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.42	15,900	2.42	7.7
	EHD4X30A**	MV08B15**B*	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.46	15,900	2.44	7.7
	EHD4X30A**	MV12F19**B*	TDR&TXV	28,600	0.77	10.50	13.00		26,800	3.48	15,800	2.46	7.7
	EHD4X30A**	NOMV106D12*	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.40	15,800	2.40	7.7
	EN(A,D)4X30*14**	*8MV*0701412**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.42	15,900	2.40	7.7
	EN(A,D)4X30*17**	*8MV*0901716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,700	2.42	7.7
	EN(A,D)4X30*17**	*8MX*0701716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.44	16,000	2.40	7.7
	EN(A,D)4X30*17**	NOMV106D12*	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.42	15,700	2.40	7.7
	ENH4X30*17**	*8MV*0701412**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.44	15,800	2.40	7.7
	ENH4X30*17**	*8MV*0901716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,700	2.42	7.7
	ENH4X30*17**	*8MV*1102120**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,800	2.42	7.7
	ENH4X30*17**	*8MV*1352422**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.48	15,800	2.44	7.7
	ENH4X30*17**	*8MX*0701716**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.44	16,000	2.40	7.7
ENH4X30*17**	*8MX*0902116**	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.46	15,900	2.42	7.7	
ENH4X30*17**	NOMV106D12*	TDR&TXV	28,600	0.77	10.50	13.00		27,000	3.42	15,700	2.40	7.7	
FEA4X30**A*	—	TDR&TXV	28,400	0.77	10.50	13.00		27,000	3.46	15,800	2.38	7.7	
FXM4X30**A*	—	TDR&TXV	29,000	0.77	10.50	13.00		27,000	3.52	16,100	2.46	8.0	
R4H336AKA R4H336GKA	‡FEM4X36****	—	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.58	20,400	2.36	7.7
ED*4X36B**	MV08B15**B*	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.52	20,000	2.36	7.7	
ED*4X36F**	MV12F19**B*	TDR&TXV	33,800	0.79	10.60	13.00		32,600	3.56	19,800	2.38	7.7	
ED*4X36J**	*8MPV100	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.62	20,400	2.40	7.7	
ED*4X36J**	*8MPV125	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.64	20,200	2.40	7.7	
ED*4X36J**	*9MPV100	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.58	20,400	2.36	7.7	
ED*4X36J**	MV16J22**B*	TDR&TXV	33,800	0.79	10.60	13.00		32,600	3.58	19,700	2.40	7.7	
ED*4X36J**	*9MVX080	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.60	20,400	2.38	7.7	
EHD4X36A**	*8MPV075	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.62	20,400	2.38	7.7	
EHD4X36A**	*8MPV100	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.70	20,400	2.42	7.7	
EHD4X36A**	*8MPV125	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.70	20,400	2.44	7.7	

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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## COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued) Indoor Models

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

Outdoor Model	Indoor Model († tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP	
R4H336AKA R4H336GKA (continued)	EHD4X36A**	*8MV*0701412**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.50	19,900	2.34	7.7
	EHD4X36A**	*8MV*0901716**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.54	19,800	2.36	7.7
	EHD4X36A**	*8MV*1102120**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.56	19,800	2.36	7.7
	EHD4X36A**	*8MV*1352422**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.56	19,800	2.36	7.7
	EHD4X36A**	*8MX*0701716**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.50	20,200	2.32	7.7
	EHD4X36A**	*8MX*0902116**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.60	19,900	2.38	7.7
	EHD4X36A**	*8MX*1102120**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.62	19,900	2.40	7.7
	EHD4X36A**	*9MPV100	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.66	20,400	2.40	7.7
	EHD4X36A**	*9MPV125	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.68	20,400	2.42	7.7
	EHD4X36A**	*9MVX080	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.68	20,600	2.42	7.7
	EHD4X36A**	*9MVX100	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.66	20,200	2.40	7.7
	EHD4X36A**	MV08B15**B*	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.66	20,000	2.42	7.7
	EHD4X36A**	MV12F19**B*	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.68	20,000	2.44	7.7
	EHD4X36A**	MV16J22**B*	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.70	19,900	2.44	7.7
	EHD4X36A**	MV20L24**B*	TDR&TXV	34,000	0.79	10.60	13.00		32,600	3.68	20,000	2.44	7.7
	EHD4X36A**	NOMV106D12*	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.48	19,800	2.32	7.7
	EHD4X36A**	NOMV156E19*	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.52	19,800	2.34	7.7
	EN(A,D)4X36*21**	*8MV*1102120**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.42	19,700	2.30	7.7
	EN(A,D)4X36*21**	*8MX*0902116**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.46	19,700	2.32	7.7
	EN(A,D)4X36*21**	*8MX*1102120**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.48	19,700	2.32	7.7
	EN(A,D)4X36*21**	NOMV156E19*	TDR&TXV	33,600	0.79	10.60	13.00		33,000	3.38	19,700	2.28	7.7
	EN(A,D,W)4X36*17**	*8MV*0901716**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.40	19,600	2.30	7.7
	EN(A,D,W)4X36*17**	NOMV106D12*	TDR&TXV	33,400	0.79	10.50	13.00		33,000	3.34	19,700	2.26	7.7
	ENH4X36*17**	*8MV*0701412**	TDR&TXV	33,600	0.79	10.50	13.00		33,000	3.38	19,800	2.28	7.7
	ENH4X36*17**	*8MV*0901716**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.40	19,600	2.30	7.7
	ENH4X36*17**	*8MV*1102120**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.42	19,700	2.30	7.7
	ENH4X36*17**	*8MV*1352422**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.42	19,600	2.30	7.7
	ENH4X36*17**	*8MX*0902116**	TDR&TXV	33,800	0.79	10.60	13.00		33,000	3.44	19,700	2.32	7.7
	ENH4X36*17**	*8MX*1102120**	TDR&TXV	34,000	0.79	10.60	13.00		33,000	3.46	19,700	2.32	7.7
	ENH4X36*17**	NOMV156E19*	TDR&TXV	33,600	0.79	10.60	13.00		33,000	3.38	19,700	2.28	7.7
	FXM4X36**A*	—	TDR&TXV	34,600	0.79	11.00	13.50		33,400	3.64	20,200	2.40	8.0
	FEA4X36**A*	—	TDR&TXV	34,000	0.79	10.50	13.00		33,000	3.44	20,000	2.32	7.7
FVM4X36****	—	TDR&TXV	33,800	0.79	10.60	13.00		32,600	3.56	19,800	2.38	7.7	
R4H342AKA	‡FEM4X42****	—	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.62	24,600	2.44	7.8
R4H342GKA	ED*4X42F**	MV12F19**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.58	23,800	2.44	7.8
	ED*4X42J**	*8MPV125	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.60	24,200	2.44	7.8
	ED*4X42J**	MV16J22**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.60	23,800	2.46	7.8

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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## COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued) Indoor Models

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP	
R4H342AKA R4H342GKA (continued)	ED*4X42L**	*8MV*1352422**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.54	23,600	2.44	7.8
	ED*4X42L**	*8MX*1352420**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.56	23,800	2.44	7.8
	ED*4X42L**	MV20L24**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.60	23,800	2.46	7.8
	EHD4X42A**	*8MPV100	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.68	24,400	2.48	7.8
	EHD4X42A**	*8MPV125	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.68	24,200	2.48	7.8
	EHD4X42A**	*8MV*0701412**	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.56	24,200	2.42	7.8
	EHD4X42A**	*8MV*0901716**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.62	24,000	2.46	7.8
	EHD4X42A**	*8MV*1102120**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.62	24,000	2.46	7.8
	EHD4X42A**	*8MV*1352422**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.64	24,000	2.48	7.8
	EHD4X42A**	*8MX*0902116**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.64	24,000	2.48	7.8
	EHD4X42A**	*8MX*1102120**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.66	24,000	2.48	7.8
	EHD4X42A**	*8MX*1352420**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.64	24,000	2.48	7.8
	EHD4X42A**	*9MPV100	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.64	24,400	2.46	7.8
	EHD4X42A**	*9MPV125	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.66	24,400	2.46	7.8
	EHD4X42A**	*9MVX080	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.64	24,600	2.46	7.8
	EHD4X42A**	*9MVX100	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.64	24,200	2.46	7.8
	EHD4X42A**	MV12F19**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.70	24,000	2.50	7.8
	EHD4X42A**	MV16J22**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.72	24,000	2.52	7.8
	EHD4X42A**	MV20L24**B*	TDR&TXV	39,500	0.76	10.60	13.00		39,000	3.72	24,000	2.52	7.8
	EHD4X42A**	NOMV156E19*	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.60	24,000	2.44	7.8
	EN(A,D,W)4X42*21**	*8MV*1102120**	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.50	24,000	2.40	7.8
	EN(A,D,W)4X42*21**	*8MX*0902116**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.52	23,800	2.42	7.8
	EN(A,D,W)4X42*21**	*8MX*1102120**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.54	23,800	2.42	7.8
	EN(A,D,W)4X42*21**	NOMV156E19*	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.48	23,800	2.40	7.8
	END4X42*17**	*8MV*0901716**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.54	24,000	2.42	7.8
	ENH4X42*21**	*8MV*0901716**	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.50	23,800	2.40	7.8
	ENH4X42*21**	*8MV*1102120**	TDR&TXV	40,000	0.76	10.55	13.00		39,000	3.50	24,000	2.40	7.8
	ENH4X42*21**	*8MV*1352422**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.54	23,800	2.42	7.8
	ENH4X42*21**	*8MX*0902116**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.52	23,800	2.42	7.8
	ENH4X42*21**	*8MX*1102120**	TDR&TXV	40,000	0.76	10.60	13.00		39,000	3.54	23,800	2.42	7.8
ENH4X42*21**	*8MX*1352420**	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.52	23,800	2.42	7.8	
ENH4X42*21**	NOMV156E19*	TDR&TXV	40,000	0.76	10.50	13.00		39,000	3.48	23,800	2.40	7.8	
FEM4P42**A*+TXV	—	TDR	40,500	0.76	10.50			13.00	39,500	3.62	24,600	2.46	7.8
FVM4X36****	—	TDR&TXV	39,500	0.76	10.60	13.00			39,000	3.50	23,800	2.40	7.8
FXM4X42**A*	—	TDR&TXV	40,500	0.76	10.60	13.00			39,500	3.64	24,400	2.46	7.8
R4H348AKA R4H348GKA	‡FEM4X48****	—	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.66	27,400	2.56	7.8
	ED*4X48J**	*8MPV125	TDR&TXV	44,000	0.78	10.40	13.00		43,500	3.68	27,000	2.54	7.8
	ED*4X48L**	MV16J22**B*	TDR&TXV	44,000	0.78	10.60	13.00		43,500	3.72	26,600	2.58	7.8
	ED*4X48L**	*8MV*1352422**	TDR&TXV	44,500	0.78	10.60	13.00		43,500	3.58	26,600	2.54	7.8

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

‡ For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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**COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued) Indoor Models**

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

Outdoor Model	Indoor Model († tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF	
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP		
R4H348AKA R4H348GKA (continued)	ED*4X48L**	*8MX*1352420**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.58	26,800	2.54	7.8	
	ED*4X48L**	MV20L24**B*	TDR&TXV	44,000	0.78	10.60	13.00		43,500	3.74	26,600	2.58	7.8	
	EHD4X48A**	*8MPV100	TDR&TXV	44,000	0.78	10.40	13.00		43,500	3.72	27,200	2.54	7.8	
	EHD4X48A**	*8MPV125	TDR&TXV	44,000	0.78	10.50	13.00		43,500	3.74	27,200	2.56	7.8	
	EHD4X48A**	*8MV*0901716**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.54	27,000	2.52	7.8	
	EHD4X48A**	*8MV*1102120**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.56	27,000	2.52	7.8	
	EHD4X48A**	*8MV*1352422**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,800	2.56	7.8	
	EHD4X48A**	*8MX*0902116**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.58	27,000	2.54	7.8	
	EHD4X48A**	*8MX*1102120**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.60	26,800	2.56	7.8	
	EHD4X48A**	*8MX*1352420**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,800	2.54	7.8	
	EHD4X48A**	MV16J22**B*	TDR&TXV	44,000	0.78	10.60	13.00		43,500	3.80	26,800	2.60	7.8	
	EHD4X48A**	MV20L24**B*	TDR&TXV	44,000	0.78	10.60	13.00		43,500	3.78	26,800	2.60	7.8	
	EHD4X48A**	NOMV156E19*	TDR&TXV	45,000	0.78	10.40	13.00		43,500	3.54	27,000	2.52	7.8	
	EN(A,D)4X48*24**	*8MV*1352422**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.56	26,600	2.54	7.8	
	EN(A,D)4X48*24**	*8MX*1352420**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,800	2.54	7.8	
	EN(A,D,W)4X48*21**	*8MV*1102120**	TDR&TXV	44,500	0.78	10.50	13.00		43,500	3.54	26,800	2.52	7.8	
	EN(A,D,W)4X48*21**	*8MX*0902116**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.56	27,000	2.54	7.8	
	EN(A,D,W)4X48*21**	*8MX*1102120**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,600	2.56	7.8	
	EN(A,D,W)4X48*21**	NOMV156E19*	TDR&TXV	44,500	0.78	10.40	13.00		43,500	3.52	26,800	2.52	7.8	
	ENH4X48*21**	*8MV*0901716**	TDR&TXV	44,500	0.78	10.50	13.00		43,500	3.52	26,800	2.52	7.8	
	ENH4X48*21**	*8MV*1102120**	TDR&TXV	44,500	0.78	10.50	13.00		43,500	3.54	26,800	2.52	7.8	
	ENH4X48*21**	*8MV*1352422**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.56	26,600	2.54	7.8	
	ENH4X48*21**	*8MX*0902116**	TDR&TXV	45,000	0.78	10.50	13.00		43,500	3.56	27,000	2.54	7.8	
	ENH4X48*21**	*8MX*1102120**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,600	2.56	7.8	
	ENH4X48*21**	*8MX*1352420**	TDR&TXV	45,000	0.78	10.60	13.00		43,500	3.58	26,800	2.54	7.8	
	ENH4X48*21**	NOMV156E19*	TDR&TXV	44,500	0.78	10.40	13.00		43,500	3.52	26,800	2.52	7.8	
	FEM4P48**A*+ TXV	—	TDR	45,000	0.78	10.30		13.00		43,500	3.54	27,400	2.50	7.8
	FVM4X48***	—	TDR&TXV	44,000	0.78	10.60	13.00			43,000	3.68	26,800	2.58	7.8
	FXM4X48**A*	—	TDR&TXV	46,000	0.78	10.70	13.50			43,500	3.72	27,200	2.60	8.0

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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## COOLING & HEATING PERFORMANCE FOR COMBINATION RATINGS (continued) Indoor Models

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95°F (35° C)			SEER	SEER	Heat 47°F (8.3° C)		Heat 17°F (-8.3° C)		HSPF
				BTU/hr	S / T	EER	factory	with field R-410A TXV	BTU/hr	COP	BTU/hr	COP	
R4H360AKA	‡FEM4X60****	—	TDR&TXV	57,000	0.76	11.00	13.00		55,000	3.60	35,200	2.54	7.8
R4H360GKA	ED*4X60J**	MV16J22**B*	TDR&TXV	56,000	0.76	11.00	13.00		54,000	3.58	35,000	2.54	7.8
	ED*4X60L**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.50	35,000	2.50	7.8
	ED*4X60L**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.48	35,000	2.48	7.8
	ED*4X60L**	MV20L24**B*	TDR&TXV	56,000	0.76	11.00	13.00		54,000	3.58	35,000	2.54	7.8
	EHD4X60A**	*8MV*1102120**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.48	35,400	2.48	7.8
	EHD4X60A**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.52	35,000	2.52	7.8
	EHD4X60A**	*8MX*1102120**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.52	35,200	2.52	7.8
	EHD4X60A**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.50	35,200	2.50	7.8
	EHD4X60A**	MV16J22**B*	TDR&TXV	56,000	0.76	11.00	13.00		54,000	3.66	35,000	2.56	7.8
	EHD4X60A**	MV20L24**B*	TDR&TXV	56,000	0.76	11.00	13.00		54,000	3.66	35,000	2.56	7.8
	EN(A,D)4X61*24**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.56	35,200	2.54	7.8
	EN(A,D)4X61*24**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.54	35,200	2.52	7.8
	EN(A,D,W)4X60*24**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.48	35,000	2.50	7.8
	EN(A,D,W)4X60*24**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.46	35,000	2.48	7.8
	ENH4X60*24**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.48	35,000	2.50	7.8
	ENH4X60*24**	*8MX*1102120**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.48	35,000	2.50	7.8
	ENH4X60*24**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.46	35,000	2.48	7.8
	ENH4X61*24**	*8MV*1352422**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.58	35,200	2.50	7.8
	ENH4X61*24**	*8MX*1102120**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.58	35,200	2.50	7.8
	ENH4X61*24**	*8MX*1352420**	TDR&TXV	57,000	0.76	10.80	13.00		55,000	3.54	35,200	2.48	7.8
FVM4X60****	—	TDR&TXV	56,000	0.76	11.00	13.00		54,000	3.64	35,000	2.56	7.8	
FXM4X60**A*	—	TDR&TXV	58,000	0.76	11.00	13.50		55,000	3.64	35,000	2.56	8.0	

2009 ENERGY STAR compliance for combinations with all three: SEER 14.50 or higher and EER 12.00 or higher and HSPF 8.2 or higher.

† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

<b>ACCESSORY USAGE GUIDELINES</b>			
Accessory	REQUIRED FOR APPLICATIONS IN SNOW-BELT REGION	REQUIRED FOR LOW-AMBIENT APPLICATIONS {Below 55°F (13°C)}	REQUIRED FOR LONG-LINE APPLICATIONS* {Over 80 Ft. (24.4m)}
Crankcase Heater	Standard (if required)	<b>Yes</b>	<b>Yes</b>
Evaporator Freeze Thermostat	No	<b>Yes</b>	No
Accumulator	Standard (factory installed)	Standard (factory installed)	Standard (factory installed)
Hard Start Kit (Capacitor & Relay)	No	<b>Yes</b>	<b>Yes</b>
Low Ambient Kit (Pressure Switch)	No	<b>Yes</b>	No
Support Feet, 4" (102mm) tall	<b>Yes</b>	Recommended	No
Liquid Line Solenoid Valve	No	No	See Long-Line Application Guideline

\* For Line Set lengths between 80 and 200 ft (24.4 and 61m) horizontal. or more than 20 ft (6.1m) indoor-outdoor vertical separation, refer to the Long Line Application Guideline document.

<b>ACCESSORIES</b>		
Part Number	Description	Used On Model Size
NASA001SC	Start Component - PTC Device	ALL
NASA001FS	Evaporator Freeze Thermostat	ALL
NASA001LS	Liquid Line Solenoid Valve	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL
NASA401LA	Low Ambient Kit (Pressure Switch)	ALL
AMF002OTA	Outdoor Thermometer Kit	ALL
NASA404PS	High Pressure Switch	ALL
AXWR01DFC	Fossil Fuel Kit	ALL
NASA001SF	Support Feet, 4" (102mm) tall	ALL
NASA003CH	Crankcase Heater for Compressor	18, 24, 30, 36
NASA001CH	Crankcase Heater for Compressor	42, 48, 60
NASA003SC	Hard Start Kit (Capacitor & Relay)	18, 24, 30, 36, 42, 48
NASA004SC	Hard Start Kit (Capacitor & Relay)	60
NASA002SJ	Sound Jacket, Compressor	18, 24, 30
NASA001SJ	Sound Jacket, Compressor	36, 42, 48
NASA003SJ	Sound Jacket, Compressor	60
EBAC05TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	18, 24, 30
EBAC06TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	36, 42
EBAC07TXVX	TXV Kit, R-410A - 2005-2009 R-22 TXV Fancoils (air handlers)	48, 60
NAEA40501TX	TXV Kit, R-410A - 2010 and later Piston Coils	18, 24, 30
NAEA40601TX	TXV Kit, R-410A - 2010 and later Piston Coils	36, 42
NAEA40701TX	TXV Kit, R-410A - 2010 and later Piston Coils	48, 60

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