

EFFICIENT 13 SEER 3-PHASE AIR CONDITIONER

3 THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 3-phase, 60 Hz

460 Volt, 3-phase, 60 Hz

575 Volt, 3-phase, 60 Hz

REFRIGERATION CIRCUIT

- Copeland® compressors on all models
- Filter-Drier supplied with every unit for field installation
- 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-22 refrigerant

BUILT TO LAST

- Baked-on powder coat finish over galvanized steel
- Post-painted (black) coil fins
- Coated, weather-resistant cabinet screws
- 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
- 1 year coil and parts limited warranty

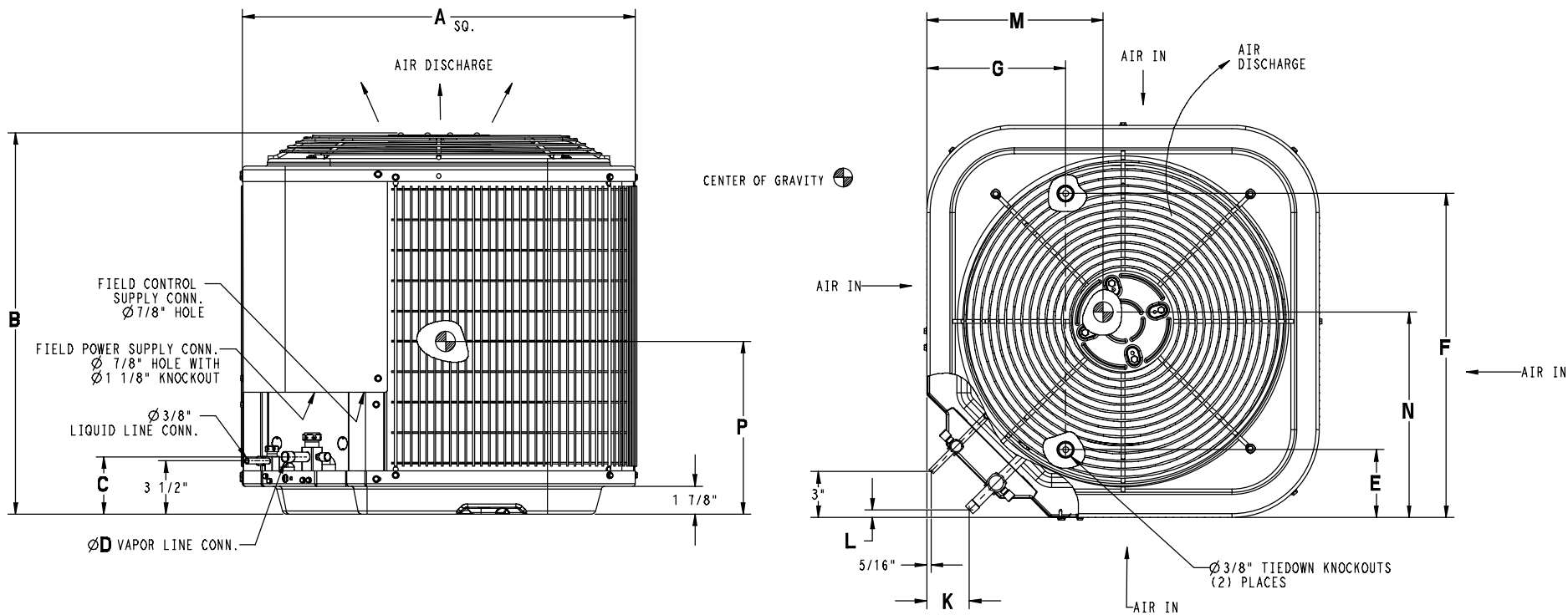


Rated in accordance with ARI Standard 210. Certification applies only when used with proper components as listed with ARI.

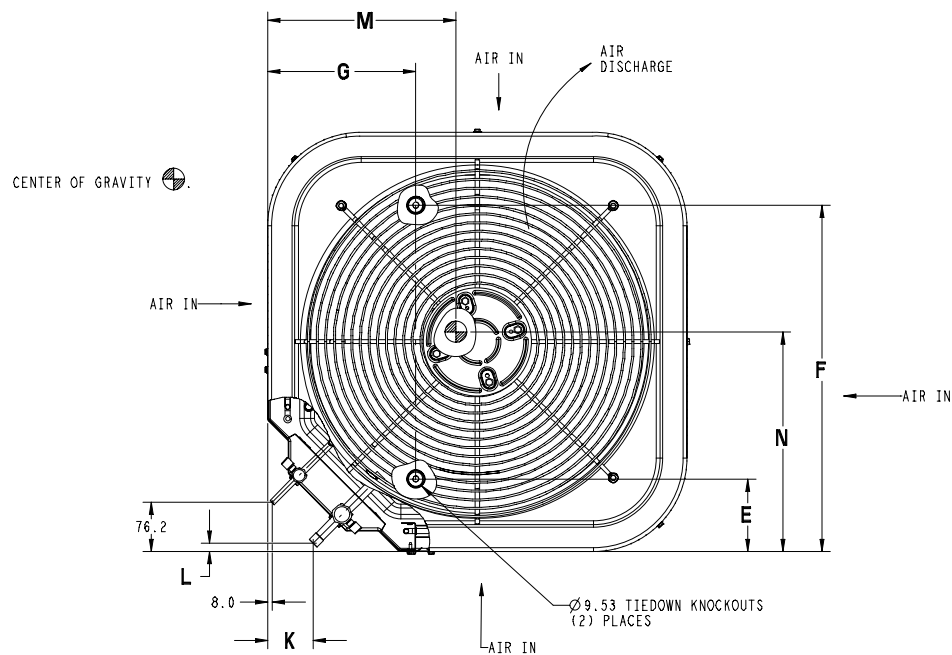
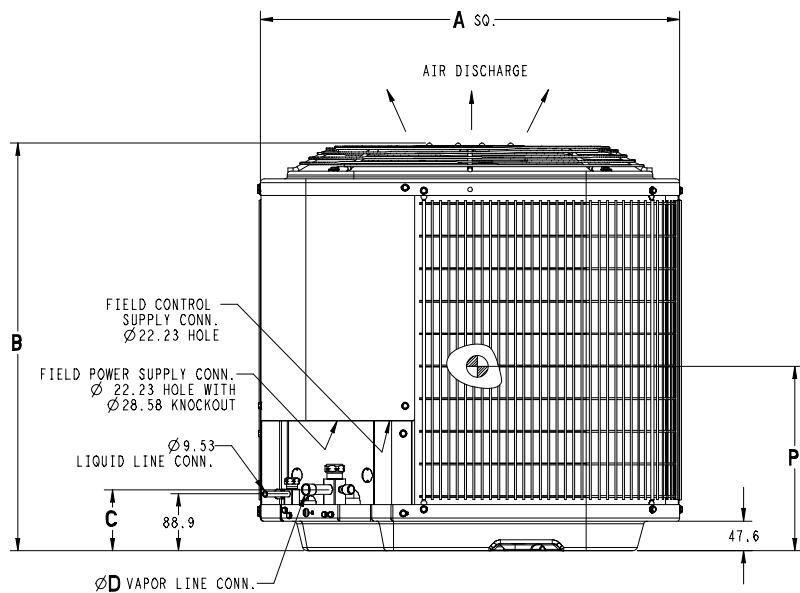


Model Number	Voltage	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dim's h x w x d in. (mm)	Ship / Operating Weight lbs. (kg)
N2A336*HB	208/230	3	36,000	13.6	20	25½ x 31¾ x 31¾ (648 x 792 x 792)	177 / 139 (80 / 63)
N2A336*LB	460			7.7	15		
N2A336*SB	575			5.5	15		
N2A342*HA	208/230	3½	42,000	17.4	25	39⅝ x 31¾ x 32⅝ (994 x 792 x 792)	217 / 189 (98 / 86)
N2A342*LA	460			8.2	15		
N2A348*HA	208/230	4	48,000	17.6	25	35¾ x 35 x 36⅞ (908 x 889 x 889)	246 / 212 (112 / 96)
N2A348*LA	460			8.2	15		
N2A348*SA	575			6.3	15		
N2A360*HB	208/230	5	60,000	21	30	39⅝ x 35 x 35 (994 x 889 x 889)	265 / 222 (120 / 101)
N2A360*LB	460			9.7	15		
N2A360*SB	575			7.6	15		

* = A for standard inlet grille, * = G for inlet grille with 3/8" (10mm) spacing for extra protection



Model (* = A or G)	Dimensions Inches (English)												Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x R(d)
	A	B	C	D	E	F	G	K	L	M	N	P		
N2A336*HB N2A336*LB N2A336*SB	31 ³ / ₁₆	25 ¹ / ₂	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	24 ¹¹ / ₁₆	9 ¹ / ₈	2 ¹³ / ₁₆	1 ¹ / ₂	16	15 ¹ / ₄	13	31 ¹ / ₂ x 31 ¹ / ₂	32 ⁹ / ₁₆ x 35 ¹ / ₂ x 32 ³ / ₈
N2A342*HA N2A342*LA	31 ³ / ₁₆	39 ¹ / ₈	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	24 ¹¹ / ₁₆	9 ¹ / ₈	2 ¹⁵ / ₁₆	5 ⁵ / ₈	16 ⁷ / ₈	16	18 ³ / ₄	31 ¹ / ₂ x 31 ¹ / ₂	42 ³ / ₄ x 35 ¹ / ₂ x 32 ³ / ₈
N2A348*HA N2A348*LA N2A348*SA	35	35 ³ / ₄	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	2 ¹⁵ / ₁₆	5 ⁵ / ₈	18 ¹ / ₄	18 ¹ / ₂	17 ¹ / ₂	35 x 35	39 ³ / ₈ x 39 ⁵ / ₁₆ x 36 ¹ / ₈
N2A360*HB N2A360*LB N2A360*SB	35	39 ¹ / ₈	3 ⁷ / ₈	7 ⁷ / ₈	6 ⁹ / ₁₆	28 ⁷ / ₁₆	9 ¹ / ₈	2 ¹⁵ / ₁₆	5 ⁵ / ₈	17 ¹ / ₄	16	15 ¹ / ₂	35 x 35	42 ³ / ₄ x 39 ⁵ / ₁₆ x 36 ¹ / ₈



Model (* = A or G)	Dimensions mm (SI Metric)												Minimum Mounting Pad Size	Crated Dimensions h x w x d
	A	B	C	D	E	F	G	K	L	M	N	P		
N2A336*HB N2A336*LB N2A336*SB	792	648	98	22	167	627	232	71	13	406	387	330	800 x 800	827 x 902 x 822
N2A342*HA N2A342*LA	792	994	98	22	167	627	232	75	16	429	406	476	800 x 800	1086 x 902 x 822
N2A348*HA N2A348*LA N2A348*SA	889	908	98	22	167	722	232	75	16	464	470	445	889 x 889	1000 x 999 x 918
N2A360*HB N2A360*LB N2A360*SB	889	994	98	22	167	722	232	75	16	438	406	394	889 x 889	1086 x 999 x 918

PHYSICAL DATA				
Model Size	36	42	48	60
Nominal Cooling Capacity (BTU/hr)	36,000	42,000	48,000	60,000
Nominal SEER	13.0	13.0	13.0	13.0
Sound Rating (dBA) **	78	79	80	80
PSC Fan Motor HP	1/5	1/4	1/4	1/4
Fan RPM (single speed)	1100	1100	800	800
Fan CFM	3170	3365	4050	4050
Coil Face Area ft ² (m ²)	12.93 (1.2)	21.56 (2)	22.63 (2.1)	25.15 (2.3)
Coil Rows – fins per inch	1 – 25	1 – 25	1 – 25	1 – 25
Liquid Line Connection Size in. (mm)	3/8 (10)	3/8 (10)	3/8 (10)	3/8 (10)
Vapor Line Connection Size in. (mm)	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) *
Recommended Line Set Vapor Tube Diameter in. (mm)	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-22 lbs. (kg)	5.4 (2.45)	6.8 (3.1)	7.5 (3.42)	9.2 (4.17)
Required Subcooling ° F (° C)	7 (4)	11 (6)	10 (6)	10 (6)
Weight, shipping lbs. (kg)	177 (80)	217 (98)	246 (112)	265 (120)
Weight, operating lbs. (kg)	139 (63)	189 (86)	212 (96)	222 (101)

ELECTRICAL DATA											
Model Size (* = A or G)	36*HB	36*LB	36*SB	42*HA	42*LA	48*HA	48*LA	48*SA	60*HB	60*LB	60*SB
Supply Voltage, 3-phase 60 Hz.	208/230	460	575	208/230	460	208/230	460	575	208/230	460	575
Acceptable Voltage Range, min-max	197-253	414-506	518-632	197-253	414-506	197-253	414-506	518-632	197-253	414-506	518-632
Minimum Circuit Ampacity MCA (amps)	13.6	7.7	5.5	17.4	8.2	17.6	8.2	6.4	21	9.7	7.6
Maximum OverCurrent Protective device MOCP (amps)	20	15	15	25	15	25	15	15	30	15	15
Compressor RLA (Rated Load Amps) LRA (Locked Rotor Amps)	10.0 73.0	5.8 38.0	4.0 27.8	12.8 88.0	6.0 44.0	13.1 83.1	6.1 41.0	4.7 33.0	15.8 110.0	5.8 38.0	5.6 38.9
Fan Motor FLA (Full Load Amps)	1.1	0.6	0.5	1.4	0.7	1.2	0.6	0.5	1.2	0.6	0.5

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

R-22 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 ft. (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)		
36	3/8 (10)	3/4 (19)	0.4	1.3	2.2	2.2	3.1	4.0	4.9	5.8	6.7	7.6	8.5		
		7/8 (22)	0.0	0.4	0.9	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0		
42		3/4 (19)	0.6	1.8	3.0	3.0	4.2	5.4	6.6	7.7	8.9	10.1	11.3		
		7/8 (22)	0.0	0.6	1.2	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4		
48		1 1/8 (29)	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.7	0.9	1.1		
		3/4 (19)	0.7	2.2	3.8	3.8	5.3	6.8	8.3	9.8	11.4	12.9	14.4		
		7/8 (22)	0.0	0.7	1.5	1.5	2.2	3.0	3.8	4.5	5.3	6.0	6.8		
60		1 1/8 (29)	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.7	0.9	1.1	1.3		
		7/8 (22)	0.8	2.0	3.1	3.1	4.3	5.4	6.6	7.7	8.8	10.0	11.1		
			1 1/8 (29)	0.0	0.3	0.6	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.9	

*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. Refer to the Long Line Application Guideline document for required piping and system modifications. Refer to Accessory Usage Guidelines below for required accessories.

Applications in this shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit. Refer to the Long Line Application Guideline document for instructions.

The maximum allowable total equivalent length is 250 feet (76.2m).

ACCESSORY USAGE GUIDELINES		
Accessory	REQUIRED FOR LOW-AMBIENT APPLICATIONS {Below 55°F (13°C)}	REQUIRED FOR LONG LINE APPLICATIONS* {Over 80 Ft. (24.4m)}
Crankcase Heater	Yes	Yes
Evaporator Freeze Thermostat	Yes	No
Winter Start Control	Yes **	No
Low Ambient Kit (Pressure Switch)	Yes	No
Support Feet, 4" (102mm) tall	Recommended	No
Liquid Line Solenoid Valve	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.

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

ACCESSORIES		
Part Number	Description	Used On Model Size
NASA00501CH	Crankcase Heater for Scroll Compressor (208/230 V)	42, 48 (factory installed on 60)
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V)	36
NASA00601CH	Crankcase Heater for Scroll Compressor (460 & 575 V)	42, 48 (factory installed on 60)
NASA004CH	Crankcase Heater for Scroll Compressor (460 & 575 V)	36
NASA001FS	Evaporator Freeze Thermostat	ALL
NASA203PS	Low Pressure Switch, AC, R-22	ALL
NASA204PS	High Pressure Switch, AC or HP, R-22	ALL
NASA201LS	Liquid Line Solenoid Valve, R-22	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001WS	Winter Start Control	ALL
NASA001AC	Anti-Cycle Timer (5 minute delay)	ALL
NASA201LA	Low Ambient Kit (Pressure Switch)	ALL
NASA001SF	Support Feet, 4" (102mm) tall	ALL
NASA001SJ	Sound Jacket, Compressor	36, 42, 48
NASA003SJ	Sound Jacket, Compressor	60
AMF153TKB	TXV Kit, R-22 (converts R-22 piston coils to R-22 TXV)	36
AMF355TKB	TXV Kit, R-22 (converts R-22 piston coils to R-22 TXV)	42, 48, 60

COOLING PERFORMANCE FOR COMBINATION RATINGS
Indoor Models

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A336*HB N2A336*LB N2A336*SB	‡EB*2X36F**	†	TXV	33,800	0.75	11.20		13.00
	EB*2X36B**	MV08B15**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	EB*2X36B**	†	TXV	33,600	0.75	11.20		13.00
	EB*2X36F**	*8MPV075	TDR&TXV	33,800	0.75	11.70	13.50	
	EB*2X36F**	*9MPV050	TDR&TXV	33,400	0.75	11.20	13.00	
	EB*2X36F**	*9MPV075	TDR&TXV	33,600	0.75	11.50	13.20	
	EB*2X36F**	*9MVX040	TDR&TXV	34,200	0.75	11.50	13.20	
	EB*2X36F**	*9MVX060	TDR&TXV	34,800	0.75	11.70	13.50	
	EB*2X36F**	MV12F19**B*	TDR&TXV	34,000	0.75	12.00	14.00	
	EB*2X36J**	*8MPV100	TDR&TXV	34,400	0.75	12.00	14.00	
	EB*2X36J**	*8MPV125	TDR&TXV	34,400	0.75	12.00	14.00	
	EB*2X36J**	*9MPV100	TDR&TXV	34,200	0.75	11.70	13.50	
	EB*2X36J**	*9MVX080	TDR&TXV	35,400	0.75	11.70	13.50	
	EB*2X36J**	MV16J22**B*	TDR&TXV	34,000	0.75	12.00	14.00	
	EB*2X36J**	†	TXV	33,800	0.75	11.20		13.00
	EB*2X42F**	*8MPV075	TDR&TXV	34,000	0.75	11.70	13.50	
	EB*2X42F**	*9MPV050	TDR&TXV	33,800	0.75	11.50	13.20	
	EB*2X42F**	*9MPV075	TDR&TXV	33,800	0.75	11.70	13.50	
	EB*2X42F**	*9MVX040	TDR&TXV	34,800	0.75	11.50	13.20	
	EB*2X42F**	*9MVX060	TDR&TXV	35,200	0.75	11.70	13.50	
	EB*2X42F**	MV12F19**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	EB*2X42F**	†	TXV	34,000	0.75	11.20		13.00
	EB*2X42J**	*8MPV100	TDR&TXV	34,600	0.75	12.00	14.00	
	EB*2X42J**	*8MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	EB*2X42J**	*9MPV100	TDR&TXV	34,600	0.75	11.70	13.50	
	EB*2X42J**	*9MVX080	TDR&TXV	35,600	0.75	12.00	14.00	
	EB*2X42J**	MV16J22**B*	TDR&TXV	34,200	0.75	12.00	14.00	
	EB*2X42J**	†	TXV	34,200	0.75	11.20		13.00
	EB*2X42L**	*9MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	EB*2X42L**	*9MVX100	TDR&TXV	35,600	0.75	12.00	14.00	
	EB*2X42L**	MV20L24**B*	TDR&TXV	34,200	0.75	12.00	14.00	
	EB*2X42L**	†	TXV	34,200	0.75	11.20		13.00
	ED*2X36B**	MV08B15**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	ED*2X36B**	†	TXV	33,600	0.75	11.20		13.00
	ED*2X36F**	*8MPV075	TDR&TXV	33,800	0.75	11.70	13.50	
	ED*2X36F**	*9MPV050	TDR&TXV	33,400	0.75	11.20	13.00	
	ED*2X36F**	*9MPV075	TDR&TXV	33,600	0.75	11.50	13.20	
	ED*2X36F**	*9MVX040	TDR&TXV	34,200	0.75	11.50	13.20	
	ED*2X36F**	*9MVX060	TDR&TXV	34,800	0.75	11.70	13.50	
	ED*2X36F**	MV12F19**B*	TDR&TXV	34,000	0.75	12.00	14.00	
	ED*2X36F**	†	TXV	33,800	0.75	11.20		13.00
	ED*2X36J**	*8MPV100	TDR&TXV	34,400	0.75	12.00	14.00	
ED*2X36J**	*8MPV125	TDR&TXV	34,400	0.75	12.00	14.00		
ED*2X36J**	*9MPV100	TDR&TXV	34,200	0.75	11.70	13.50		
ED*2X36J**	*9MVX080	TDR&TXV	35,400	0.75	11.70	13.50		
ED*2X36J**	MV16J22**B*	TDR&TXV	34,000	0.75	12.00	14.00		
ED*2X36J**	†	TXV	33,800	0.75	11.20		13.00	
ED*2X42F**	*8MPV075	TDR&TXV	34,200	0.75	11.70	13.50		
ED*2X42F**	*9MPV050	TDR&TXV	33,800	0.75	11.50	13.20		
ED*2X42F**	*9MPV075	TDR&TXV	33,800	0.75	11.70	13.50		
ED*2X42F**	*9MVX040	TDR&TXV	34,800	0.75	11.50	13.20		

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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COOLING PERFORMANCE FOR COMBINATION RATINGS (continued)								
Indoor Models								
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A336*HB N2A336*LB N2A336*SB (continued)	ED*2X42F**	*9MVX060	TDR&TXV	35,200	0.75	11.70	13.50	
	ED*2X42F**	MV12F19**B*	TDR&TXV	34,200	0.75	12.00	14.00	
	ED*2X42F**	†	TXV	34,200	0.75	11.20		13.00
	ED*2X42J**	*8MPV100	TDR&TXV	34,600	0.75	12.00	14.00	
	ED*2X42J**	*8MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	ED*2X42J**	*9MPV100	TDR&TXV	34,600	0.75	11.70	13.50	
	ED*2X42J**	*9MVX080	TDR&TXV	35,600	0.75	12.00	14.00	
	ED*2X42J**	MV16J22**B*	TDR&TXV	34,200	0.75	12.00	14.00	
	ED*2X42J**	†	TXV	34,200	0.75	11.20		13.00
	ED*2X42L**	*9MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	ED*2X42L**	*9MVX100	TDR&TXV	35,600	0.75	12.00	14.00	
	ED*2X42L**	MV20L24**B*	TDR&TXV	34,200	0.75	12.00	14.00	
	ED*2X42L**	†	TXV	34,200	0.75	11.20		13.00
	EHD2X36A**	*8MPV050	TDR&TXV	33,400	0.75	11.50	13.20	
	EHD2X36A**	*8MPV075	TDR&TXV	34,000	0.75	12.00	14.00	
	EHD2X36A**	*8MPV100	TDR&TXV	34,200	0.75	12.00	14.00	
	EHD2X36A**	*8MPV125	TDR&TXV	34,000	0.75	12.00	14.00	
	EHD2X36A**	*9MPV050	TDR&TXV	33,400	0.75	11.70	13.50	
	EHD2X36A**	*9MPV075	TDR&TXV	33,400	0.75	11.70	13.50	
	EHD2X36A**	*9MPV100	TDR&TXV	34,000	0.75	11.70	13.50	
	EHD2X36A**	*9MPV125	TDR&TXV	34,000	0.75	12.00	14.00	
	EHD2X36A**	*9MVX040	TDR&TXV	34,200	0.75	11.50	13.20	
	EHD2X36A**	*9MVX060	TDR&TXV	34,800	0.75	11.70	13.50	
	EHD2X36A**	*9MVX080	TDR&TXV	35,400	0.75	11.70	13.50	
	EHD2X36A**	*9MVX100	TDR&TXV	35,400	0.75	12.00	14.00	
	EHD2X36A**	MV08B15**B*	TDR&TXV	33,600	0.75	12.00	14.00	
	EHD2X36A**	MV12F19**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	EHD2X36A**	MV16J22**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	EHD2X36A**	MV20L24**B*	TDR&TXV	33,800	0.75	12.00	14.00	
	EHD2X36A**	†	TXV	33,800	0.75	11.20		13.00
	EHD2X42A**	*8MPV050	TDR&TXV	33,600	0.75	11.70	13.50	
	EHD2X42A**	*8MPV075	TDR&TXV	34,200	0.75	11.70	14.00	
	EHD2X42A**	*8MPV100	TDR&TXV	34,600	0.75	12.00	14.00	
	EHD2X42A**	*8MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	EHD2X42A**	*9MPV050	TDR&TXV	33,800	0.75	11.70	13.50	
	EHD2X42A**	*9MPV075	TDR&TXV	34,000	0.75	11.70	13.50	
	EHD2X42A**	*9MPV100	TDR&TXV	34,400	0.75	11.70	13.50	
	EHD2X42A**	*9MPV125	TDR&TXV	34,600	0.75	12.00	14.00	
	EHD2X42A**	*9MVX060	TDR&TXV	35,200	0.75	11.70	13.50	
	EHD2X42A**	*9MVX080	TDR&TXV	35,600	0.75	12.00	14.00	
	EHD2X42A**	*9MVX100	TDR&TXV	35,600	0.75	12.00	14.00	
	EHD2X42A**	MV08B15**B*	TDR&TXV	34,200	0.75	12.00	14.00	
EHD2X42A**	MV12F19**B*	TDR&TXV	34,200	0.75	12.00	14.00		
EHD2X42A**	MV16J22**B*	TDR&TXV	34,200	0.75	12.00	14.00		
EHD2X42A**	MV20L24**B*	TDR&TXV	34,200	0.75	12.00	14.00		
EHD2X42A**	†	TXV	34,200	0.75	11.20		13.00	
EMA2X36D**	†	TXV	33,800	0.75	11.20		13.00	
FEM2X35****	†	TDR&TXV	34,600	0.75	11.70	13.50		
FEM2X36****	†	TDR&TXV	35,200	0.75	12.00	14.00		
FEM2X42****	†	TDR&TXV	35,200	0.75	12.00	14.00		
FS(M,U)2X42****	†	TDR&TXV	34,400	0.75	11.20	13.00		

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
 † For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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COOLING PERFORMANCE FOR COMBINATION RATINGS (continued)								
Indoor Models								
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A336*HB N2A336*LB N2A336*SB (continued)	FSA2X36****	†	TDR&TXV	33,800	0.75	11.20	13.00	
	FSM2X36****	†	TDR&TXV	34,400	0.75	11.50	13.20	
	FSU2X36****	†	TDR&TXV	34,000	0.75	11.00	13.00	
	FVM2X24****	†	TDR&TXV	33,800	0.75	11.70	13.50	
	FVM2X36****	†	TDR&TXV	34,200	0.75	12.00	14.00	
	FVM2X48****	†	TDR&TXV	35,400	0.75	12.00	14.00	
	FVM2X60****	†	TDR&TXV	35,600	0.75	12.00	14.00	
N2A342*HA N2A342*LA	†EB*2X42J**	†	TXV	40,500	0.77	11.00		13.00
	EB*2X42F**	*9MVX060	TDR&TXV	40,000	0.77	11.00	13.00	
	EB*2X42J**	*8MPV100	TDR&TXV	40,500	0.77	11.20	13.50	
	EB*2X42J**	*8MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	EB*2X42J**	*9MPV100	TDR&TXV	40,500	0.77	11.00	13.20	
	EB*2X42J**	*9MVX080	TDR&TXV	40,500	0.77	11.50	13.50	
	EB*2X42J**	MV16J22**B*	TDR&TXV	40,500	0.77	12.00	14.00	
	EB*2X42L**	*9MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	EB*2X42L**	*9MVX100	TDR&TXV	40,000	0.77	11.50	13.50	
	EB*2X42L**	†	TXV	40,500	0.77	11.00		13.00
	EB*2X48F**	*8MPV075	TDR&TXV	40,500	0.77	11.00	13.20	
	EB*2X48F**	*9MPV075	TDR&TXV	40,000	0.77	11.00	13.20	
	EB*2X48F**	*9MVX060	TDR&TXV	41,000	0.77	11.50	13.00	
	EB*2X48F**	†	TXV	40,500	0.77	11.00		13.00
	EB*2X48J**	*8MPV100	TDR&TXV	41,000	0.77	11.20	13.50	
	EB*2X48J**	*8MPV125	TDR&TXV	41,000	0.77	11.50	14.00	
	EB*2X48J**	*9MPV100	TDR&TXV	41,000	0.77	11.20	13.50	
	EB*2X48J**	*9MVX080	TDR&TXV	41,000	0.77	11.50	13.50	
	EB*2X48J**	MV16J22**B*	TDR&TXV	41,000	0.77	12.00	14.00	
	EB*2X48J**	†	TXV	41,000	0.77	11.00		13.00
	EB*2X48L**	*9MPV125	TDR&TXV	41,500	0.77	11.20	13.50	
	EB*2X48L**	*9MVX100	TDR&TXV	40,500	0.77	12.00	14.00	
	EB*2X48L**	†	TXV	41,000	0.77	11.00		13.00
	EBV36****	†	TDR&TXV	39,500	0.77	11.20	13.50	
	EBV48****	†	TDR&TXV	42,000	0.77	11.50	14.00	
	EBV60****	†	TDR&TXV	43,000	0.77	11.50	14.00	
	EBX48****	†	TDR&TXV	41,000	0.77	11.00	13.00	
	ED*2X42F**	*9MVX060	TDR&TXV	40,000	0.77	11.00	13.00	
	ED*2X42J**	*8MPV100	TDR&TXV	40,500	0.77	11.20	13.50	
	ED*2X42J**	*8MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	ED*2X42J**	*9MPV100	TDR&TXV	40,500	0.77	11.00	13.20	
	ED*2X42J**	*9MVX080	TDR&TXV	40,000	0.77	11.50	13.50	
	ED*2X42J**	MV16J22**B*	TDR&TXV	40,500	0.77	12.00	14.00	
	ED*2X42J**	†	TXV	40,500	0.77	11.00		13.00
	ED*2X42L**	*9MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	ED*2X42L**	*9MVX100	TDR&TXV	40,000	0.77	11.50	13.50	
	ED*2X42L**	†	TXV	40,500	0.77	11.00		13.00
	ED*2X48F**	*8MPV075	TDR&TXV	40,500	0.77	11.00	13.20	
	ED*2X48F**	*9MPV075	TDR&TXV	40,000	0.77	11.00	13.20	
	ED*2X48F**	*9MVX060	TDR&TXV	41,000	0.77	11.50	13.00	
ED*2X48F**	†	TXV	40,500	0.77	11.00		13.00	
ED*2X48J**	*8MPV100	TDR&TXV	41,000	0.77	11.20	13.50		
ED*2X48J**	*8MPV125	TDR&TXV	41,500	0.77	11.20	13.50		
ED*2X48J**	*9MPV100	TDR&TXV	41,000	0.77	11.20	13.50		
ED*2X48J**	*9MVX080	TDR&TXV	41,000	0.77	11.50	13.50		

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
 † For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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COOLING PERFORMANCE FOR COMBINATION RATINGS (continued)								
Indoor Models								
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A342*HA N2A342*LA (continued)	ED*2X48J**	MV16J22**B*	TDR&TXV	41,000	0.77	12.00	14.00	
	ED*2X48J**	†	TXV	41,000	0.77	11.00		13.00
	ED*2X48L**	*9MPV125	TDR&TXV	41,500	0.77	11.20	13.50	
	ED*2X48L**	*9MVX100	TDR&TXV	40,500	0.77	11.50	14.00	
	ED*2X48L**	†	TXV	41,000	0.77	11.00		13.00
	EHD2X42A**	*8MPV075	TDR&TXV	40,500	0.77	11.00	13.20	
	EHD2X42A**	*8MPV100	TDR&TXV	40,500	0.77	11.20	13.50	
	EHD2X42A**	*8MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	EHD2X42A**	*9MPV075	TDR&TXV	40,500	0.77	11.00	13.20	
	EHD2X42A**	*9MPV100	TDR&TXV	40,500	0.77	11.20	13.50	
	EHD2X42A**	*9MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
	EHD2X42A**	*9MVX060	TDR&TXV	40,500	0.77	11.50	13.00	
	EHD2X42A**	*9MVX080	TDR&TXV	41,000	0.77	11.50	13.50	
	EHD2X42A**	*9MVX100	TDR&TXV	41,000	0.77	12.00	14.00	
	EHD2X42A**	MV16J22**B*	TDR&TXV	40,500	0.77	12.00	14.00	
	EHD2X42A**	MV20L24**B*	TDR&TXV	40,500	0.77	12.00	14.00	
	EHD2X42A**	†	TXV	40,500	0.77	11.00		13.00
	EHD2X48A**	*8MPV075	TDR&TXV	40,000	0.77	11.00	13.20	
	EHD2X48A**	*8MPV100	TDR&TXV	40,000	0.77	11.20	13.50	
	EHD2X48A**	*8MPV125	TDR&TXV	40,000	0.77	11.20	13.50	
	EHD2X48A**	*9MPV075	TDR&TXV	40,000	0.77	11.00	13.20	
	EHD2X48A**	*9MPV100	TDR&TXV	40,000	0.77	11.20	13.50	
	EHD2X48A**	*9MPV125	TDR&TXV	40,000	0.77	11.20	13.50	
	EHD2X48A**	*9MVX060	TDR&TXV	41,000	0.77	11.50	13.00	
	EHD2X48A**	*9MVX080	TDR&TXV	41,500	0.77	12.00	13.50	
	EHD2X48A**	*9MVX100	TDR&TXV	41,000	0.77	12.00	14.00	
	EHD2X48A**	MV16J22**B*	TDR&TXV	40,000	0.77	12.00	14.00	
	EHD2X48A**	MV20L24**B*	TDR&TXV	40,000	0.77	12.00	14.00	
	EHD2X48A**	†	TXV	40,000	0.77	11.00		13.00
	EL*42F****	†	TDR&TXV	38,000	0.77	10.70		
	EL*48F****	†	TDR&TXV	39,000	0.77	10.70		
	EMA2X48D**	†	TXV	40,000	0.77	11.00		13.00
	EMH42F****	†	TDR&TXV	38,000	0.77	10.70		
	EMH48F****	†	TDR&TXV	39,500	0.77	10.70		
	EP*42F****	†	TDR&TXV	38,000	0.77	10.70		
	EP*42J****	†	TDR&TXV	38,500	0.77	10.70		
	EP*48F****	†	TDR&TXV	39,000	0.77	10.70		
	EP*48J****	†	TDR&TXV	40,000	0.77	10.70		
	EP*48L****	†	TDR&TXV	40,000	0.77	10.70		
	EP*48N****	†	TDR&TXV	40,000	0.77	10.70		
	EX*42F****	*8MPV075	TDR&TXV	40,000	0.77	11.00	13.00	
	EX*42F****	*9MPV075	TDR&TXV	39,500	0.77	11.00	13.00	
	EX*42F****	†	TDR&TXV	39,500	0.77	11.00		
	EX*42J****	*8MPV100	TDR&TXV	40,500	0.77	11.00	13.20	
	EX*42J****	*8MPV125	TDR&TXV	40,500	0.77	11.20	13.50	
EX*42J****	*9MPV100	TDR&TXV	40,000	0.77	11.00	13.20		
EX*42J****	MV16J22****	TDR&TXV	41,000	0.77	11.20	13.50		
EX*42J****	†	TDR&TXV	39,500	0.77	11.00			
EX*48J****	*9MPV125	TDR&TXV	40,500	0.77	11.20	13.50		
EX*48J****	†	TDR&TXV	40,500	0.77	11.00			
EX*48L****	*9MPV125	TDR&TXV	40,500	0.77	11.00	13.45		

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
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COOLING PERFORMANCE FOR COMBINATION RATINGS (continued)								
Indoor Models								
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A342*HA N2A342*LA (continued)	EX*48L****	†	TDR&TXV	40,500	0.77	11.00		
	EX*48N****	MV20N26****	TDR&TXV	40,500	0.77	11.50	14.00	
	EX*48N****	†	TDR&TXV	40,500	0.77	11.00		
	FEM2X42****	†	TDR&TXV	41,500	0.77	11.20	13.50	
	FEM2X48****	†	TDR&TXV	42,000	0.77	11.50	14.00	
	FEM2X48****	†	TDR&TXV		0.77	12.15		
	FS(M,U)2X42****	†	TDR&TXV	40,500	0.77	11.00	13.00	
	FS(M,U)2X48****	†	TDR&TXV	41,000	0.77	11.00	13.00	
	FVM2X48****	†	TDR&TXV	42,000	0.77	12.00	14.00	
	FVM2X60****	†	TDR&TXV	42,000	0.77	12.00	14.00	
N2A348*HA N2A348*LA N2A348*SA	‡EB*2X48J**	†	TXV	46,000	0.76	11.00		13.00
	EB*2X48F**	†	TXV	45,000	0.76	11.00		13.00
	EB*2X48J**	*8MPV100	TDR&TXV	46,000	0.76	11.00	13.20	
	EB*2X48J**	*8MPV125	TDR&TXV	46,500	0.76	11.00	13.20	
	EB*2X48J**	*9MPV100	TDR&TXV	45,000	0.76	11.00	13.20	
	EB*2X48J**	MV16J22**B*	TDR&TXV	46,000	0.76	11.20	13.50	
	EB*2X48L**	*9MPV125	TDR&TXV	46,000	0.76	11.00	13.20	
	EB*2X48L**	†	TXV	46,000	0.76	11.00		13.00
	EB*2X60J**	*8MPV100	TDR&TXV	48,000	0.76	11.00	13.20	
	EB*2X60J**	*8MPV125	TDR&TXV	48,000	0.76	11.20	13.50	
	EB*2X60J**	*9MPV100	TDR&TXV	47,500	0.76	11.00	13.20	
	EB*2X60J**	MV16J22**B*	TDR&TXV	47,000	0.76	12.00	14.00	
	EB*2X60J**	†	TXV	47,500	0.76	11.00		13.00
	EB*2X60L**	*9MPV125	TDR&TXV	47,500	0.76	11.20	13.50	
	EB*2X60L**	†	TXV	47,500	0.76	11.00		13.00
	EBV48****	†	TDR&TXV	47,500	0.76	11.20	13.50	
	EBV60****	†	TDR&TXV	48,500	0.76	11.50	14.00	
	EBX48****	†	TDR&TXV	47,000	0.76	10.70	12.80	
	EBX60****	†	TDR&TXV	48,000	0.76	10.70	12.95	
	ED*2X48F**	†	TXV	45,000	0.76	11.00		13.00
	ED*2X48J**	*8MPV100	TDR&TXV	46,000	0.76	11.00	13.20	
	ED*2X48J**	*8MPV125	TDR&TXV	46,500	0.76	11.00	13.20	
	ED*2X48J**	*9MPV100	TDR&TXV	45,000	0.76	11.00	13.20	
	ED*2X48J**	MV16J22**B*	TDR&TXV	46,000	0.76	11.20	13.50	
	ED*2X48J**	†	TXV	46,000	0.76	11.00		13.00
	ED*2X48L**	*9MPV125	TDR&TXV	46,000	0.76	11.00	13.20	
	ED*2X48L**	†	TXV	46,000	0.76	11.00		13.00
	ED*2X60J**	*8MPV100	TDR&TXV	48,000	0.76	11.00	13.20	
	ED*2X60J**	*8MPV125	TDR&TXV	48,000	0.76	11.00	13.20	
	ED*2X60J**	*9MPV100	TDR&TXV	47,500	0.76	11.00	13.20	
	ED*2X60J**	MV16J22**B*	TDR&TXV	47,000	0.76	12.00	14.00	
	ED*2X60J**	†	TXV	47,500	0.76	11.00		13.00
	ED*2X60L**	*9MPV125	TDR&TXV	47,500	0.76	11.20	13.50	
	ED*2X60L**	†	TXV	47,500	0.76	11.00		13.00
ED*4X48J**	*9MVX080	TDR&TXV	46,000	0.76	11.50	13.00		
ED*4X48L**	*9MVX100	TDR&TXV	45,500	0.76	11.50	13.00		
ED*4X60J**	*9MVX080	TDR&TXV	47,500	0.76	11.50	13.00		
ED*4X60L**	*9MVX100	TDR&TXV	47,000	0.76	11.50	13.50		
EHD2X48A**	*8MPV100	TDR&TXV	45,500	0.76	11.20	13.50		
EHD2X48A**	*8MPV125	TDR&TXV	45,500	0.76	11.00	13.20		

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
 † For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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COOLING PERFORMANCE FOR COMBINATION RATINGS (continued)								
Indoor Models								
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling 95° F (35° C)			SEER	
				BTU/hr	S/T	EER	factory	w/ field TDR
N2A348*HA N2A348*LA N2A348*SA (continued)	EHD2X48A**	*9MPV100	TDR&TXV	45,500	0.76	11.00	13.20	
	EHD2X48A**	*9MPV125	TDR&TXV	45,500	0.76	11.00	13.20	
	EHD2X48A**	MV16J22**B*	TDR&TXV	45,500	0.76	11.20	13.50	
	EHD2X48A**	MV20L24**B*	TDR&TXV	45,500	0.76	11.20	13.50	
	EHD2X48A**	†	TXV	46,000	0.76	11.00		13.00
	EHD2X60A**	*8MPV100	TDR&TXV	47,000	0.76	11.20	13.50	
	EHD2X60A**	*8MPV125	TDR&TXV	47,000	0.76	11.20	13.50	
	EHD2X60A**	*9MPV100	TDR&TXV	47,000	0.76	11.00	13.20	
	EHD2X60A**	*9MPV125	TDR&TXV	47,000	0.76	11.20	13.50	
	EHD2X60A**	MV16J22**B*	TDR&TXV	47,000	0.76	12.00	14.00	
	EHD2X60A**	MV20L24**B*	TDR&TXV	47,000	0.76	12.00	14.00	
	EHD2X60A**	†	TXV	47,500	0.76	11.00		13.00
	EHD4X48A**	*9MVX080	TDR&TXV	46,500	0.76	11.50	13.00	
	EHD4X48A**	*9MVX100	TDR&TXV	46,000	0.76	11.50	13.00	
	EHD4X60A**	*9MVX080	TDR&TXV	47,500	0.76	11.50	13.50	
	EHD4X60A**	*9MVX100	TDR&TXV	47,500	0.76	12.00	13.50	
	EMA2X48D**	†	TXV	45,000	0.76	11.00		13.00
	EX*48J****	†	TXV	45,000	0.76	10.70		12.60
	EX*48L****	†	TXV	45,000	0.76	10.70		12.60
	EX*48N****	MV20N26****	TDR&TXV	46,000	0.76	11.20	13.50	
	EX*48N****	†	TXV	45,000	0.76	10.70		12.60
	EX*60L****	*9MPV125	TDR&TXV	47,500	0.76	11.20	13.50	
	EX*60L****	†	TXV	48,000	0.76	11.00		13.00
	EX*60N****	MV20N26****	TDR&TXV	48,500	0.76	11.50	14.00	
	EX*60N****	†	TXV	48,000	0.76	11.00		13.00
	FEM2X48****	†	TDR&TXV	47,500	0.76	11.20	13.50	
	FEM2X48****	†	TDR&TXV		0.76	0.00		
	FEM2X60****	†	TDR&TXV	48,500	0.76	11.50	14.00	
	FEM2X60****	†	TDR&TXV		0.76	12.45		
	FS(M,U)2X48****	†	TDR&TXV	47,000	0.76	11.00	13.00	
	FS(M,U)2X60****	†	TDR&TXV	48,000	0.76	11.00	13.00	
	FVM2X48****	†	TDR&TXV	47,000	0.76	12.00	14.00	
FVM2X60****	†	TDR&TXV	47,500	0.76	12.00	14.00		
N2A360*HB N2A360*LB N2A360*SB	‡EB*2X60L**	†	TXV	56,000	0.75	11.00		13.00
	EB*2X60J**	MV16J22**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	EB*2X60J**	†	TXV	56,000	0.75	11.00		13.00
	EB*2X60L**	MV20L24**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	ED*2X60J**	MV16J22**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	ED*2X60J**	†	TXV	56,000	0.75	11.00		13.00
	ED*2X60L**	MV20L24**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	ED*2X60L**	†	TXV	56,000	0.75	11.00		13.00
	EHD2X60A**	MV16J22**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	EHD2X60A**	MV20L24**B*	TDR&TXV	56,000	0.75	11.50	13.50	
	EHD2X60A**	†	TXV	56,000	0.75	11.00		13.00
	FEM2X60****	†	TDR&TXV	56,000	0.75	11.50	13.20	
	FS(M,U)2X60****	†	TDR&TXV	56,000	0.75	11.00	13.00	
	FVM2X60****	†	TDR&TXV	56,500	0.75	11.70	13.50	

2009 ENERGY STAR compliance for combinations with: SEER 13.00 or higher. (3-phase)
 † For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.



This product has been designed and manufactured to meet ENERGY STAR criteria for energy efficiency when matched with appropriate coil components. However, proper refrigerant charge and proper air flow are critical to achieve rated capacity and efficiency. Installation of this product should follow the manufacturer's refrigerant charging and air flow instructions. Failure to confirm proper charge and airflow may reduce energy efficiency and shorten equipment life.

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (3-phase)											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	N	2	A	3	36	A	H	A	1	0	0
Product Family											
2 = R-22		REFRIGERANT									
A = Air Conditioner											
H = Heat Pump			TYPE								
3 = 13 SEER			NOMINAL EFFICIENCY								
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons			NOMINAL CAPACITY								
A = Standard Grille											
G = Coil Guard Grille						FEATURES					
H = 208/230-3-60											
L = 460-3-60						VOLTAGE					
S = 575-3-60											
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									
B = 2nd Generation					MAJOR SERIES				
0 = Generic or Not Applicable									
2 = R-22					REFRIGERANT				
4 = R-410A					REFRIGERANT				
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									