

## EFFICIENT 13 SEER AIR CONDITIONER

### FOR COASTAL APPLICATIONS

### 1½ to 5 TONS SPLIT SYSTEM

### 208 / 230 Volt, 1-phase, 60 Hz

#### REFRIGERATION CIRCUIT

- Copeland Scroll™ 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

- All chasis panels powder coat painted on both sides
- Pre-painted, epoxy-phenolic fins
- ⅜" grille spacing for extra protection
- Coated, weather-resistant cabinet screws

#### WARRANTY

- 5 year parts limited warranty (including compressor and coil)



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



Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth (in)	Ship / Operating Weight (lbs)
N2A318CKA100	1½	18,000	10.1	15	35¼ x 25¾ x 26⅝	165 / 149
N2A324CKA100	2	24,000	13.8	20	39⅞ x 31⅜ x 32⅝	202 / 173
N2A330CKA100	2½	30,000	18.4	30	39⅞ x 31⅜ x 32⅝	206 / 177
N2A336CKA100	3	36,000	19.2	30	39⅞ x 31⅜ x 32⅝	206 / 177
N2A342CKA100	3½	42,000	25.4	40	28⅟16 x 35 x 36⅞	247 / 236
N2A348CKA100	4	48,000	26.4	40	39⅞ x 35 x 36⅞	307 / 273
N2A360CKA100	5	60,000	32.9	50	45⅟16 x 35 x 36⅞	337 / 302



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)**	75	78	77	77	77	78	76
PSC Fan Motor HP	1/12	1/10	1/10	1/5	1/5	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	1100	800	800	800
Fan CFM	1880	2615	2615	3170	3810	4050	4050
Coil Face Area (ft <sup>2</sup> )	14.77	21.56	21.56	21.56	17.60	25.15	30.18
Coil Rows - Fins per inch	1 - 20	1 - 20	1 - 20	1 - 20	2 - 20	2 - 20	2 - 20
Liquid Line Connection Size (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Connection Size (in.)	5/8	5/8	3/4	3/4	7/8	7/8	7/8
Recommended Line Set Liquid Tube Diameter (in.)	3/8	3/8	3/8	3/8	3/8	3/8	3/8
Recommended Line Set Vapor Tube Diameter (in.) *	5/8 *	5/8 *	3/4 *	3/4 *	7/8 *	7/8 *	1 1/8 *
*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 or there is more than 20 feet vertical separation between indoor and outdoor units, consult the Long Line Application Guideline document before purchasing/installing line sets.							
Factory Charge R-22 (lbs.)	5.20	7.00	7.70	7.10	10.10	13.30	14.75
Required Subcooling (°F)	9	11	10	8	10	10	10
Weight, shipping (lbs.)	165	202	206	206	247	307	337
Weight, operating (lbs.)	149	173	177	177	236	273	302

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)	10.1	13.8	18.4	19.2	25.2	26.4	32.9
Maximum OverCurrent Protective device - <b>MOCP</b> (amps)	15	20	30	30	40	40	50
Compressor <b>RLA</b> (Rated Load Amps)	7.7	10.4	14.1	14.4	19.2	20.2	25.3
<b>LRA</b> (Locked Rotor Amps)	40.3	54.0	68.0	77.0	104.0	137.0	141.0
Fan Motor <b>FLA</b> (Full Load Amps)	.50	.70	.75	1.2	1.2	1.2	1.2

\*\*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.)	Acceptable Vapor Line Sizes (in.)	Cooling Capacity Loss (%) at Total Equivalent Line Length (ft.)												
			Standard Application			Long Line Application (Requires Accessories) *									
			25'	50'	80'	81'	100'	125'	150'	175'	200'	225'	250'		
18	3/8	5/8	0	1	1	1	2	3	3	4	5	5	6		
		3/4	0	0	0	0	0	1	1	1	1	2	2		
24		5/8	0	1	3	3	3	5	6	7	8	9	10		
		3/4	0	0	0	0	1	1	1	2	2	3	3		
30		3/4	0	1	1	1	2	3	3	4	5	5	6		
		7/8	0	0	0	0	1	1	1	2	2	2	3		
36		3/4	0	1	2	2	3	4	5	6	7	8	9		
		7/8	0	0	1	1	1	2	2	3	3	4	4		
42		3/4	1	2	3	3	4	5	7	8	9	10	11		
		7/8	0	1	1	1	2	2	3	4	4	5	5		
48		3/4	1	2	4	4	5	7	8	10	11	13	14		
		7/8	0	1	2	2	2	3	4	5	5	6	7		
		1 1/8	0	0	0	0	0	0	1	1	1	1	1		
60		7/8	1	2	3	3	4	5	7	8	9	10	11		
	1 1/8	0	0	1	1	1	1	2	2	2	3	3			

\* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet or there is more than 20 foot 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.

ACCESSORY USAGE GUIDELINES			
Accessory	REQUIRED FOR LOW-AMBIENT APPLICATIONS (Below 55° F)	REQUIRED FOR LONG LINE APPLICATIONS* (Over 80 Ft.)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 miles)
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Winter Start Control	Yes **	No	No
Hard Start Kit (Capacitor & Relay)	Yes	Yes	No
Low Ambient Kit (Pressure Switch)	Yes	No	No
Support Feet, 4" tall	Recommended	No	Recommended
Liquid Line Solenoid Valve	No	See Long Line Application Guideline	No

\* Applications are considered "Long Line" if the total equivalent tubing length exceeds 80 feet or there is more than 20 foot vertical separation between indoor and outdoor units. For Line Set lengths, 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
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	42 (factory installed on 48, 60)
NASA003CH	Crankcase Heater for Scroll Compressor (208/230 V)	18, 24, 30, 36
NASA001SC	Start Component - PTC Device	ALL
NASA001FS	Evaporator Freeze Thermostat	ALL
NASA201PS	Low Pressure Switch, AC, 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
NASA202PS	High Pressure Switch, AC or HP, R-22	ALL
NASA003SC	Hard Start Kit (Capacitor & Relay)	18, 24, 36, 42, 48, 60
NASA005SC	Hard Start Kit (Capacitor & Relay)	30
NASA201LA	Low Ambient Kit (Pressure Switch), R-22	ALL
NASA001SF	Support Feet, 4" tall	ALL
NASA001SJ	Sound Jacket, Compressor	18, 24, 30, 36, 42, 48
NASA003SJ	Sound Jacket, Compressor	60
AMF153TKB	TXV Kit, R-22 (converts R-22 piston coils to R-22 TXV)	18, 24, 30, 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)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A318CKA	†EB*2X18B**	†	TXV	17,100	0.75	11.20		13.00		
	EB*2X18B**	*8MPV050	TDR&TXV	17,300	0.75	12.00	14.00			
	EB*2X24B**	†	TXV	17,300	0.75	11.20		13.00		
	EB*2X24F**	†	TXV	17,300	0.75	11.20		13.00		
	ED*2X18B**	†	TXV	17,100	0.75	11.20		13.00		
	ED*2X18B**	*8MPV050	TDR&TXV	17,300	0.75	12.00	14.00			
	ED*2X24B**	†	TXV	17,300	0.75	11.20		13.00		
	ED*2X24F**	†	TXV	17,300	0.75	11.20		13.00		
	EMA2X24D**	†	TXV	17,300	0.75	11.20		13.00		
	EHD2X24A**	†	TXV	17,300	0.75	11.20		13.00		
	FS(M,U)2X18****	†	TDR&TXV	17,100	0.75	11.20	13.00			
	FS(M,U)2X24****	†	TDR&TXV	17,100	0.75	11.20	13.00			
	FSA2X18****	†	TDR&TXV	17,100	0.75	11.20	13.00			
	FSA2X24****	†	TDR&TXV	17,300	0.75	11.20	13.00			
N2A324CKA	†EB*2X24B**	†	TXV	22,800	0.79	11.20		13.00		
	EB*2X24B**	*8MPV050	TDR&TXV	23,200	0.79	11.70	13.50			
	EB*2X24B**	MV08B15****	TDR&TXV	23,400	0.79	12.00	14.00			
	EB*2X24F**	†	TXV	22,800	0.79	11.20		13.00		
	EB*2X24F**	*9MPV050	TDR&TXV	23,200	0.79	12.00	14.00			
	EB*2X24F**	*9MPV075	TDR&TXV	23,400	0.79	12.00	14.00			
	EB*2X24F**	MV12F19****	TDR&TXV	23,400	0.79	12.00	14.00			
	EB*2X30B**	†	TXV	23,000	0.79	11.20		13.00		
	EB*2X30B**	*8MPV050	TDR&TXV	23,200	0.79	12.00	14.00			
	EB*2X30B**	MV08B15****	TDR&TXV	23,600	0.79	12.00	14.00			
	EB*2X30F**	†	TXV	23,000	0.79	11.20		13.00		
	EB*2X30F**	*9MPV050	TDR&TXV	23,200	0.79	12.00	14.00			
	EB*2X30F**	*9MPV075	TDR&TXV	23,400	0.79	12.00	14.00			
	EB*2X30F**	MV12F19****	TDR&TXV	23,800	0.79	12.00	14.00			
	ED*2X24B**	†	TXV	23,000	0.79	11.20		13.00		
	ED*2X24B**	*8MPV050	TDR&TXV	23,400	0.79	11.70	13.50			
	ED*2X24B**	MV08B15****	TDR&TXV	23,600	0.79	12.00	14.00			
	ED*2X24F**	†	TXV	23,000	0.79	11.20		13.00		
	ED*2X24F**	*9MPV050	TDR&TXV	23,400	0.79	12.00	14.00			
	ED*2X24F**	*9MPV075	TDR&TXV	23,600	0.79	12.00	14.00			
	ED*2X24F**	MV12F19****	TDR&TXV	23,600	0.79	12.00	14.00			
	ED*2X30B**	†	TXV	23,200	0.79	11.20		13.00		
	ED*2X30B**	*8MPV050	TDR&TXV	23,400	0.79	12.00	14.00			
	ED*2X30B**	MV08B15****	TDR&TXV	23,800	0.79	12.00	14.00			
	ED*2X30F**	†	TXV	23,200	0.79	11.20		13.00		
	ED*2X30F**	*9MPV050	TDR&TXV	23,400	0.79	12.00	14.00			
	ED*2X30F**	*9MPV075	TDR&TXV	23,400	0.79	12.00	14.00			
	ED*2X30F**	MV12F19****	TDR&TXV	23,800	0.79	12.00	14.00			
	EMA2X24D**	†	TXV	22,800	0.79	11.20		13.00		
	EHD2X24A**	†	TXV	22,800	0.79	11.20		13.00		
	EHD2X24A**	*8MPV050	TDR&TXV	23,200	0.79	12.00	14.00			
	EHD2X24A**	*8MPV075	TDR&TXV	23,400	0.79	12.00	14.00			
	EHD2X24A**	*8MPV100	TDR&TXV	23,600	0.79	12.00	14.00			
	EHD2X24A**	*8MPV125	TDR&TXV	23,400	0.79	12.00	14.00			
EHD2X24A**	*9MPV050	TDR&TXV	23,000	0.79	12.00	14.00				
EHD2X24A**	*9MPV075	TDR&TXV	23,000	0.79	12.00	14.00				
EHD2X24A**	*9MPV100	TDR&TXV	23,400	0.79	12.00	14.00				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)										
Indoor Models										
Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A324CKA (continued)	EHD2X24A**	MV08B15****	TDR&TXV	23,400	0.79	12.00	14.00			
	EHD2X24A**	MV12F19****	TDR&TXV	23,600	0.79	12.00	14.00			
	EHD2X24A**	MV16J22****	TDR&TXV	23,600	0.79	12.00	14.00			
	EHD2X24A**	MV20N26****	TDR&TXV	23,800	0.79	12.00	14.00			
	EHD2X30A**	†	TXV	23,000	0.79	11.20		13.00		
	EHD2X30A**	*8MPV050	TDR&TXV	23,200	0.79	12.00	14.00			
	EHD2X30A**	*9MPV050	TDR&TXV	23,400	0.79	12.00	14.00			
	EHD2X30A**	*9MPV075	TDR&TXV	23,400	0.79	12.00	14.00			
	EHD2X30A**	*9MPV100	TDR&TXV	23,600	0.79	12.00	14.00			
	EHD2X30A**	MV08B15****	TDR&TXV	23,600	0.79	12.00	14.00			
	EHD2X30A**	MV12F19****	TDR&TXV	23,400	0.79	12.00	14.00			
	EHD2X30A**	MV16J22****	TDR&TXV	23,800	0.79	12.00	14.00			
	EHD2X30A**	MV20N26****	TDR&TXV	23,400	0.79	12.00	14.00			
	FS(M,U)2X24****	†	TDR&TXV	22,600	0.79	11.20	13.00			
	FS(M,U)2X30****	†	TDR&TXV	23,000	0.79	11.50	13.20			
	FEM2X24****	†	TDR&TXV	23,000	0.79	12.00	14.00			
	FEM2X30****	†	TDR&TXV	23,200	0.79	12.00	14.00			
	FSA2X24****	†	TDR&TXV	22,400	0.79	11.50	13.20			
FSA2X30****	†	TDR&TXV	22,400	0.79	11.20	13.00				
N2A330CKA	†ED*4X30B**	†	TXV	28,800	0.76	11.20		13.00		
	EB*2X30B**	†	TXV	28,800	0.76	11.20		13.00		
	EB*2X30B**	*8MPV050	TDR&TXV	28,800	0.76	11.50	13.20			
	EB*2X30B**	MV08B15**B*	TDR&TXV	28,800	0.76	12.00	14.00			
	EB*2X30F**	†	TXV	28,800	0.76	11.20		13.00		
	EB*2X30F**	*8MPV075	TDR&TXV	29,000	0.76	12.00	14.00			
	EB*2X30F**	*9MPV050	TDR&TXV	28,600	0.76	11.70	13.50			
	EB*2X30F**	*9MPV075	TDR&TXV	28,800	0.76	11.70	13.50			
	EB*2X30F**	MV12F19**B*	TDR&TXV	28,800	0.76	12.00	14.00			
	EB*2X36B**	†	TXV	28,000	0.76	11.20		13.00		
	EB*2X36B**	*8MPV050	TDR&TXV	27,800	0.76	11.70	13.50			
	EB*2X36B**	MV08B15**B*	TDR&TXV	28,200	0.76	12.00	14.00			
	EB*2X36F**	†	TXV	29,000	0.76	11.20		13.00		
	EB*2X36F**	*8MPV075	TDR&TXV	29,200	0.76	12.00	14.00			
	EB*2X36F**	*9MPV050	TDR&TXV	28,800	0.76	11.70	13.50			
	EB*2X36F**	*9MPV075	TDR&TXV	28,800	0.76	11.70	13.50			
	EB*2X36F**	MV12F19**B*	TDR&TXV	29,000	0.76	12.00	14.00			
	EB*2X36J**	†	TXV	29,000	0.76	11.20		13.00		
	EB*2X36J**	*8MPV100	TDR&TXV	29,400	0.76	12.20	14.50			
	EB*2X36J**	*8MPV125	TDR&TXV	29,400	0.76	12.20	14.50			
	EB*2X36J**	*9MPV100	TDR&TXV	29,400	0.76	12.20	14.50			
	ED*4X30B**	*8MPV050	TDR&TXV	28,800	0.76	11.50	13.20			
	ED*4X30B**	MV08B15**B*	TDR&TXV	28,800	0.76	12.00	14.00			
	ED*4X30F**	†	TXV	28,800	0.76	11.20		13.00		
	ED*4X30F**	*8MPV075	TDR&TXV	29,000	0.76	12.00	14.00			
	ED*4X30F**	*9MPV050	TDR&TXV	28,600	0.76	11.70	13.50			
	ED*4X30F**	*9MPV075	TDR&TXV	28,800	0.76	11.70	13.50			
	ED*4X30F**	MV12F19**B*	TDR&TXV	28,800	0.76	12.00	14.00			
	ED*4X36B**	†	TXV	28,000	0.76	11.20		13.00		
	ED*4X36B**	*8MPV050	TDR&TXV	27,800	0.76	11.70	13.50			
	ED*4X36B**	MV08B15**B*	TDR&TXV	28,200	0.76	12.00	14.00			

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)**  
**Indoor Models**

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A330CKA (continued)	ED*4X36F**	†	TXV	29,000	0.76	11.20		13.00		
	ED*4X36F**	*8MPV075	TDR&TXV	29,200	0.76	12.00	14.00			
	ED*4X36F**	*9MPV050	TDR&TXV	28,800	0.76	11.70	13.50			
	ED*4X36F**	*9MPV075	TDR&TXV	28,800	0.76	11.70	13.50			
	ED*4X36F**	MV12F19**B*	TDR&TXV	29,000	0.76	12.00	14.00			
	ED*4X36J**	†	TXV	29,000	0.76	11.20		13.00		
	ED*4X36J**	*8MPV100	TDR&TXV	29,400	0.76	12.20	14.50			
	ED*4X36J**	*8MPV125	TDR&TXV	29,400	0.76	12.20	14.50			
	ED*4X36J**	*9MPV100	TDR&TXV	29,400	0.76	12.20	14.50			
	ED*4X36J**	MV16J22****	TDR&TXV	29,800	0.76	12.20	14.50			
	EMA4X36D**	†	TXV	28,800	0.76	11.20		13.00		
	EHD4X30A**	†	TXV	28,800	0.76	11.20		13.00		
	EHD4X30A**	*8MPV050	TDR&TXV	28,800	0.76	11.70	13.50			
	EHD4X30A**	*8MPV075	TDR&TXV	28,800	0.76	12.00	14.00			
	EHD4X30A**	*8MPV100	TDR&TXV	28,800	0.76	12.20	14.50			
	EHD4X30A**	*8MPV125	TDR&TXV	28,800	0.76	12.20	14.50			
	EHD4X30A**	*9MPV050	TDR&TXV	28,600	0.76	11.70	13.50			
	EHD4X30A**	*9MPV075	TDR&TXV	28,600	0.76	11.70	13.50			
	EHD4X30A**	*9MPV100	TDR&TXV	28,800	0.76	12.00	14.00			
	EHD4X30A**	*9MPV125	TDR&TXV	28,800	0.76	12.00	14.00			
	EHD4X30A**	MV08B15**B*	TDR&TXV	29,000	0.76	12.00	14.00			
	EHD4X30A**	MV12F19**B*	TDR&TXV	29,000	0.76	12.00	14.00			
	EHD4X30A**	MV16J22****	TDR&TXV	29,200	0.76	12.20	14.50			
	EHD4X30A**	MV20N26****	TDR&TXV	29,200	0.76	12.20	14.50			
	EHD4X36A**	†	TXV	29,000	0.76	11.20		13.00		
	EHD4X36A**	*8MPV050	TDR&TXV	29,000	0.76	11.70	13.50			
	EHD4X36A**	*8MPV075	TDR&TXV	29,200	0.76	12.20	14.50			
	EHD4X36A**	*8MPV100	TDR&TXV	29,200	0.76	12.20	14.50			
	EHD4X36A**	*8MPV125	TDR&TXV	29,200	0.76	12.20	14.50			
	EHD4X36A**	*9MPV050	TDR&TXV	28,800	0.76	12.00	14.00			
	EHD4X36A**	*9MPV075	TDR&TXV	29,000	0.76	12.00	14.00			
	EHD4X36A**	*9MPV100	TDR&TXV	29,000	0.76	12.20	14.50			
	EHD4X36A**	*9MPV125	TDR&TXV	29,000	0.76	12.20	14.50			
	EHD4X36A**	MV08B15**B*	TDR&TXV	29,400	0.76	12.00	14.00			
	EHD4X36A**	MV12F19**B*	TDR&TXV	29,600	0.76	12.00	14.00			
	EHD4X36A**	MV16J22****	TDR&TXV	29,400	0.76	12.20	14.50			
	EHD4X36A**	MV20N26****	TDR&TXV	29,600	0.76	12.20	14.50			
	FS(M,U)4X30****	†	TDR&TXV	28,800	0.76	11.20	13.00			
	FSU4X36****	†	TDR&TXV	29,000	0.76	11.20	13.00			
	FEM4X30****	†	TDR&TXV	29,200	0.76	12.00	14.00			
FSM4X36****	†	TDR&TXV	29,400	0.76	11.50	13.20				
FEM4X36****	†	TDR&TXV	29,800	0.76	12.00	14.00				
FVM4X24****	†	TDR&TXV	29,000	0.76	12.20	14.50				
FVM4X36****	†	TDR&TXV	29,000	0.76	12.20	14.50				
FVM4X48****	†	TDR&TXV	30,000	0.76	12.50	15.00				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)**

**Indoor Models**

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A336CKA	‡EB*2X36F**	†	TXV	33,800	0.76	11.10		13.00		
	EB*2X36B**	†	TXV	33,600	0.76	11.20		13.00		
	EB*2X36B**	MV08B15****	TDR&TXV	34,200	0.76	11.50	13.20			
	EB*2X36F**	*8MPV075	TDR&TXV	34,000	0.76	11.50	13.20			
	EB*2X36F**	MV12F19****	TDR&TXV	34,200	0.76	11.70	13.50			
	EB*2X36J**	†	TXV	33,800	0.76	11.15		13.00		
	EB*2X36J**	*8MPV100	TDR&TXV	34,200	0.76	11.70	13.50			
	EB*2X36J**	*8MPV125	TDR&TXV	34,200	0.76	12.00	14.00			
	EB*2X36J**	*9MPV100	TDR&TXV	34,200	0.76	11.70	13.50			
	EB*2X36J**	MV16J22****	TDR&TXV	34,800	0.76	12.00	14.00			
	EB*2X42J**	†	TXV	34,200	0.76	11.20		13.00		
	EB*2X42J**	*8MPV100	TDR&TXV	34,400	0.76	12.00	14.00			
	EB*2X42J**	*8MPV125	TDR&TXV	34,600	0.76	12.00	14.00			
	EB*2X42J**	*9MPV100	TDR&TXV	34,400	0.76	11.70	13.50			
	EB*2X42J**	MV16J22****	TDR&TXV	34,400	0.76	12.00	14.00			
	EB*2X42L**	†	TXV	34,200	0.76	11.20		13.00		
	EB*2X42L**	*9MPV125	TDR&TXV	34,600	0.76	11.70	13.50			
	ED*2X36B**	†	TXV	33,600	0.76	11.20		13.00		
	ED*2X36B**	MV08B15****	TDR&TXV	34,200	0.76	11.50	13.20			
	ED*2X36F**	†	TXV	33,800	0.76	11.15		13.00		
	ED*2X36F**	*8MPV075	TDR&TXV	34,000	0.76	11.50	13.20			
	ED*2X36F**	MV12F19****	TDR&TXV	34,200	0.76	11.70	13.50			
	ED*2X36J**	†	TXV	33,800	0.76	11.15		13.00		
	ED*2X36J**	*8MPV100	TDR&TXV	34,200	0.76	11.70	13.50			
	ED*2X36J**	*8MPV125	TDR&TXV	34,200	0.76	12.00	14.00			
	ED*2X36J**	*9MPV100	TDR&TXV	34,200	0.76	11.70	13.50			
	ED*2X36J**	MV16J22****	TDR&TXV	34,000	0.76	12.00	14.00			
	ED*2X42J**	†	TXV	34,200	0.76	11.20		13.00		
	ED*2X42J**	*8MPV100	TDR&TXV	34,400	0.76	12.00	14.00			
	ED*2X42J**	*8MPV125	TDR&TXV	34,600	0.76	12.00	14.00			
	ED*2X42J**	*9MPV100	TDR&TXV	34,400	0.76	11.70	13.50			
	ED*2X42J**	MV16J22****	TDR&TXV	35,200	0.76	12.00	14.00			
	ED*2X42L**	†	TXV	34,200	0.76	11.20		13.00		
	ED*2X42L**	*9MPV125	TDR&TXV	34,600	0.76	11.70	13.50			
	EMA2X36D**	†	TXV	33,800	0.76	11.15		13.00		
	EHD2X36A**	†	TXV	34,800	0.76	11.20		13.00		
	EHD2X36A**	*8MPV050	TDR&TXV	34,400	0.76	11.50	13.20			
	EHD2X36A**	*8MPV075	TDR&TXV	35,000	0.76	11.70	13.50			
	EHD2X36A**	*8MPV100	TDR&TXV	34,800	0.76	12.00	14.00			
	EHD2X36A**	*8MPV125	TDR&TXV	34,800	0.76	12.00	14.00			
	EHD2X36A**	*9MPV050	TDR&TXV	34,400	0.76	11.50	13.20			
	EHD2X36A**	*9MPV075	TDR&TXV	34,800	0.76	11.50	13.20			
EHD2X36A**	*9MPV100	TDR&TXV	34,800	0.76	11.70	13.50				
EHD2X36A**	*9MPV125	TDR&TXV	35,000	0.76	12.00	14.00				
EHD2X36A**	MV08B15****	TDR&TXV	35,000	0.76	12.00	14.00				
EHD2X36A**	MV12F19****	TDR&TXV	35,200	0.76	12.00	14.00				
EHD2X36A**	MV16J22****	TDR&TXV	35,600	0.76	12.00	14.00				
EHD2X36A**	MV20N26****	TDR&TXV	34,800	0.76	12.00	14.00				
EHD2X42A**	†	TXV	35,000	0.76	11.20		13.00			
EHD2X42A**	*8MPV050	TDR&TXV	34,600	0.76	11.50	13.20				
EHD2X42A**	*8MPV075	TDR&TXV	35,200	0.76	11.70	13.50				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)**  
**Indoor Models**

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A336CKA (continued)	EHD2X42A**	*8MPV100	TDR&TXV	35,200	0.76	12.00	14.00			
	EHD2X42A**	*8MPV125	TDR&TXV	35,200	0.76	12.00	14.00			
	EHD2X42A**	*9MPV050	TDR&TXV	34,600	0.76	11.50	13.20			
	EHD2X42A**	*9MPV075	TDR&TXV	35,000	0.76	11.50	13.20			
	EHD2X42A**	*9MPV100	TDR&TXV	35,200	0.76	12.00	14.00			
	EHD2X42A**	*9MPV125	TDR&TXV	35,400	0.76	12.00	14.00			
	EHD2X42A**	MV08B15****	TDR&TXV	35,200	0.76	12.00	14.00			
	EHD2X42A**	MV12F19****	TDR&TXV	35,400	0.76	12.00	14.00			
	EHD2X42A**	MV16J22****	TDR&TXV	35,000	0.76	12.00	14.00			
	EHD2X42A**	MV20N26****	TDR&TXV	35,000	0.76	12.00	14.00			
	FS(M,U)2X42****	†	TDR&TXV	34,200	0.76	11.20	13.00			
	FEM2X35****	†	TDR&TXV	34,200	0.76	12.00	14.00			
	FSM2X36****	†	TDR&TXV	34,200	0.76	11.20	13.00			
	FEM2X36****	†	TDR&TXV	34,800	0.76	12.00	14.00			
	FEM2X42****	†	TDR&TXV	34,600	0.76	11.70	13.50			
	FSA2X36****	†	TDR&TXV	33,600	0.76	11.20	13.00			
N2A342CKA	†EB*2X48J**	†	TXV	41,000	0.73	11.20		13.00		
	EB*2X48F**	†	TXV	40,500	0.73	11.20		13.00		
	EB*2X48F**	*8MPV075	TDR&TXV	40,500	0.73	11.70	13.50			
	EB*2X48F**	MV12F19**B*	TDR&TXV	40,500	0.73	12.00	14.00			
	EB*2X48J**	*8MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	EB*2X48J**	*8MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	EB*2X48J**	*9MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	EB*2X48J**	MV16J22**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	EB*2X48L**	†	TXV	41,000	0.73	11.20		13.00		
	EB*2X48L**	*9MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	EB*2X48L**	MV20L24**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	ED*2X48F**	†	TXV	40,500	0.73	11.20		13.00		
	ED*2X48F**	*8MPV075	TDR&TXV	40,500	0.73	11.70	13.50			
	ED*2X48F**	MV12F19**B*	TDR&TXV	40,500	0.73	12.00	14.00			
	ED*2X48J**	†	TXV	41,000	0.73	11.20		13.00		
	ED*2X48J**	*8MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	ED*2X48J**	*8MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	ED*2X48J**	*9MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	ED*2X48J**	MV16J22**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	ED*2X48L**	†	TXV	41,000	0.73	11.20		13.00		
	ED*2X48L**	*9MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	ED*2X48L**	MV20L24**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	EMA2X48D**	†	TXV	40,000	0.73	11.20		13.00		
	EHD2X48A**	†	TXV	41,000	0.73	11.20		13.00		
	EHD2X48A**	*8MPV075	TDR&TXV	41,000	0.73	11.70	13.50			
	EHD2X48A**	*8MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	EHD2X48A**	*8MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	EHD2X48A**	*9MPV100	TDR&TXV	41,000	0.73	11.70	13.50			
	EHD2X48A**	*9MPV125	TDR&TXV	41,000	0.73	11.70	13.50			
	EHD2X48A**	MV12F19**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	EHD2X48A**	MV16J22**B*	TDR&TXV	41,000	0.73	12.00	14.00			
	EHD2X48A**	MV20L24**B*	TDR&TXV	41,000	0.73	12.00	14.00			
FS(M,U)2X48****	†	TDR&TXV	41,500	0.73	11.20	13.00				
FEM2X42****	†	TDR&TXV	41,000	0.73	11.70	13.50				
FEM2X48****	†	TDR&TXV	42,000	0.73	11.70	13.50				
FVM2X36****	†	TDR&TXV	39,500	0.73	11.70	13.50				
FVM2X48****	†	TDR&TXV	41,500	0.73	12.00	14.00				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)**

**Indoor Models**

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A348CKA	‡EB*2X48J**	†	TXV	46,000	0.75	11.20		13.00		
	EB*2X48F**	†	TXV	45,500	0.75	11.20		13.00		
	EB*2X48J**	*8MPV100	TDR&TXV	46,500	0.75	11.50	13.20			
	EB*2X48J**	*8MPV125	TDR&TXV	46,500	0.75	11.70	13.50			
	EB*2X48J**	*9MPV100	TDR&TXV	46,000	0.75	11.50	13.20			
	EB*2X48J**	MV16J22****	TDR&TXV	47,000	0.75	12.00	14.00			
	EB*2X48L**	†	TXV	46,000	0.75	11.20		13.00		
	EB*2X48L**	*9MPV125	TDR&TXV	46,000	0.75	11.70	13.50			
	EB*2X60J**	†	TXV	46,500	0.75	11.20		13.00		
	EB*2X60J**	*8MPV100	TDR&TXV	47,000	0.75	11.70	13.50			
	EB*2X60J**	*8MPV125	TDR&TXV	47,000	0.75	12.00	14.00			
	EB*2X60J**	*9MPV100	TDR&TXV	46,500	0.75	11.70	13.50			
	EB*2X60J**	MV16J22****	TDR&TXV	46,500	0.75	12.00	14.00			
	EB*2X60L**	†	TXV	47,500	0.75	11.20		13.00		
	EB*2X60L**	*9MPV125	TDR&TXV	47,500	0.75	11.70	13.50			
	ED*2X48F**	†	TXV	45,500	0.75	11.20		13.00		
	ED*2X48J**	†	TXV	46,000	0.75	11.20		13.00		
	ED*2X48J**	*8MPV100	TDR&TXV	46,500	0.75	11.50	13.20			
	ED*2X48J**	*8MPV125	TDR&TXV	46,500	0.75	11.70	13.50			
	ED*2X48J**	*9MPV100	TDR&TXV	46,000	0.75	11.50	13.20			
	ED*2X48J**	MV16J22****	TDR&TXV	46,000	0.75	12.00	14.00			
	ED*2X48L**	†	TXV	46,000	0.75	11.20		13.00		
	ED*2X48L**	*9MPV125	TDR&TXV	46,000	0.75	11.70	13.50			
	ED*2X60J**	†	TXV	46,500	0.75	11.20		13.00		
	ED*2X60J**	*8MPV100	TDR&TXV	47,000	0.75	11.70	13.50			
	ED*2X60J**	*8MPV125	TDR&TXV	47,000	0.75	11.70	13.50			
	ED*2X60J**	*9MPV100	TDR&TXV	46,500	0.75	11.70	13.50			
	ED*2X60J**	MV16J22****	TDR&TXV	46,500	0.75	12.00	14.00			
	ED*2X60L**	†	TXV	47,500	0.75	11.20		13.00		
	ED*2X60L**	*9MPV125	TDR&TXV	47,500	0.75	11.70	13.50			
	EMA2X48D**	†	TXV	45,000	0.75	11.20		13.00		
	EHD2X48A**	†	TXV	47,000	0.75	11.20		13.00		
	EHD2X48A**	*8MPV100	TDR&TXV	47,000	0.75	11.70	13.50			
	EHD2X48A**	*8MPV125	TDR&TXV	47,000	0.75	11.70	13.50			
	EHD2X48A**	*9MPV100	TDR&TXV	46,500	0.75	11.50	13.20			
	EHD2X48A**	*9MPV125	TDR&TXV	46,500	0.75	11.70	13.50			
	EHD2X48A**	MV16J22****	TDR&TXV	46,500	0.75	12.00	14.00			
	EHD2X48A**	MV20N26****	TDR&TXV	47,500	0.75	12.00	14.00			
	EHD2X60A**	†	TXV	48,000	0.75	11.70	13.50			
	EHD2X60A**	*8MPV100	TDR&TXV	47,500	0.75	12.00	14.00			
	EHD2X60A**	*8MPV125	TDR&TXV	47,500	0.75	12.00	14.00			
	EHD2X60A**	*9MPV100	TDR&TXV	47,500	0.75	11.70	13.50			
	EHD2X60A**	*9MPV125	TDR&TXV	48,000	0.75	12.00	14.00			
	EHD2X60A**	MV16J22****	TDR&TXV	48,000	0.75	12.00	14.00			
	EHD2X60A**	MV20N26****	TDR&TXV	49,000	0.75	12.00	14.00			
	FS(M,U)2X48****	†	TDR&TXV	46,000	0.75	11.20	13.00			
	FS(M,U)2X60****	†	TDR&TXV	47,500	0.75	11.70	13.50			
	FEM2X48****	†	TDR&TXV	47,500	0.75	12.00	14.00			
FEM2X60****	†	TDR&TXV	48,500	0.75	12.00	14.00				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 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 PERFORMANCE FOR COMBINATION RATINGS (continued)**  
**Indoor Models**

Outdoor Model	Current Indoor Model († tested combo)	Furnace Model	Factory Installed	Cooling (95 ° F)			SEER			
				BTU/hr	S/T	EER	Factory	W/ Field TDR	W/ Field R-22 TXV	W/ Field R-22 TXV + TDR
N2A360CKA	†EB*2X60L**	†	TXV	57,000	0.77	11.20		13.00		
	EB*2X60J**	†	TXV	56,000	0.77	11.20		13.00		
	EB*2X60J**	*8MPV100	TDR&TXV	56,000	0.77	11.75	13.20			
	EB*2X60J**	*8MPV125	TDR&TXV	56,000	0.77	11.70	13.50			
	EB*2X60J**	MV16J22****	TDR&TXV	57,000	0.77	11.70	13.50			
	EB*2X60L**	*9MPV125	TDR&TXV	55,000	0.77	11.50	13.20			
	ED*2X60J**	†	TXV	56,000	0.77	11.20		13.00		
	ED*2X60J**	*8MPV100	TDR&TXV	56,000	0.77	11.50	13.20			
	ED*2X60J**	*8MPV125	TDR&TXV	56,000	0.77	11.70	13.50			
	ED*2X60J**	MV16J22****	TDR&TXV	57,000	0.77	11.70	13.50			
	ED*2X60L**	†	TXV	57,000	0.77	11.20		13.00		
	ED*2X60L**	*9MPV125	TDR&TXV	55,500	0.77	11.50	13.20			
	EHD2X60A**	†	TXV	57,000	0.77	11.20		13.00		
	EHD2X60A**	*8MPV100	TDR&TXV	56,000	0.77	11.80	13.20			
	EHD2X60A**	*8MPV125	TDR&TXV	56,500	0.77	11.70	13.50			
	EHD2X60A**	*9MPV100	TDR&TXV	55,500	0.77	11.50	13.20			
	EHD2X60A**	*9MPV125	TDR&TXV	56,000	0.77	11.70	13.50			
	EHD2X60A**	MV16J22****	TDR&TXV	57,000	0.77	11.70	13.50			
	EHD2X60A**	MV20N26****	TDR&TXV	57,500	0.77	11.70	13.50	XCZ		
	FS(M,U)2X60****	†	TDR&TXV	56,000	0.77	11.20	13.00			
FEM2X60****	†	TDR&TXV	57,500	0.77	11.70	13.50				

2009 ENERGY STAR compliance for combinations with both: SEER 14.50 or higher and EER 12.00 or higher.

† 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.

<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>N</b>	<b>2</b>	<b>A</b>	<b>3</b>	<b>18</b>	<b>C</b>	<b>K</b>	<b>A</b>	<b>1</b>	<b>0</b>	<b>0</b>
H = Heil Mainline N = Heil Entry <b>BRANDING</b>											
2 = R-22 4 = R-410A <b>REFRIGERANT</b>											
A = Air Conditioner H = Heat Pump <b>TYPE</b>											
3 = 13 SEER 4 = 14 SEER <b>NOMINAL EFFICIENCY</b>											
18 = 18,000 BTUH = 1½ tons 24 = 24,000 BTUH = 2 tons 30 = 30,000 BTUH = 2½ tons 36 = 36,000 BTUH = 3 tons 42 = 42,000 BTUH = 3½ tons 48 = 48,000 BTUH = 4 tons 60 = 60,000 BTUH = 5 tons <b>NOMINAL CAPACITY</b>											
A = Standard Grille G = Coil Guard Grille C = Coastal <b>FEATURES</b>											
K = 208/230-1-60 <b>VOLTAGE</b>											
Sales Code											
Engineering Revision											
Extra Digit											
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>									
A = Accessory <b>PRODUCT GROUP</b>									
S = Split System (AC & HP) <b>KIT USAGE</b>									
A = Original B = 2nd Generation <b>MAJOR SERIES</b>									
0 = Generic or Not Applicable 2 = R-22 4 = R-410A <b>REFRIGERANT</b>									
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									