N4A3

Performance Series

Product Specifications

EFFICIENT 13 SEER AIR CONDITIONER

ENVIRONMENTALLY SOUND R–410A REFRIGERANT

1½ THRU 5 TONS SPLIT SYSTEM

208 / 230 Volt, 1–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–410A 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" spacing standard, alternate models available with ⅜" grille spacing for extra protection
- 5 year compressor, coil, and parts limited warranties

ARI PERFORMANCE CERTIFIED
ARI Standard 210/240
Unitary Air Conditioners

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

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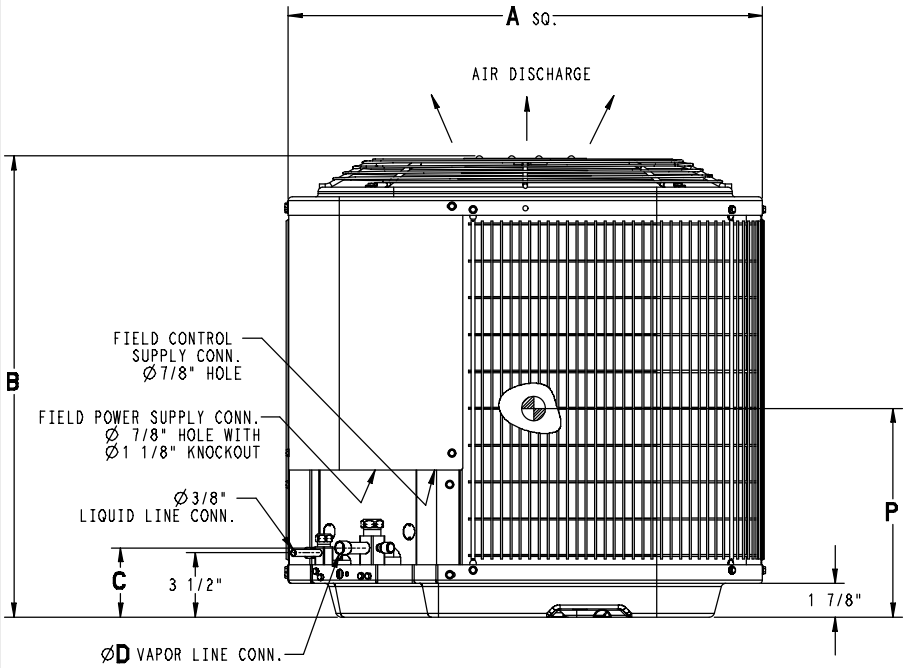
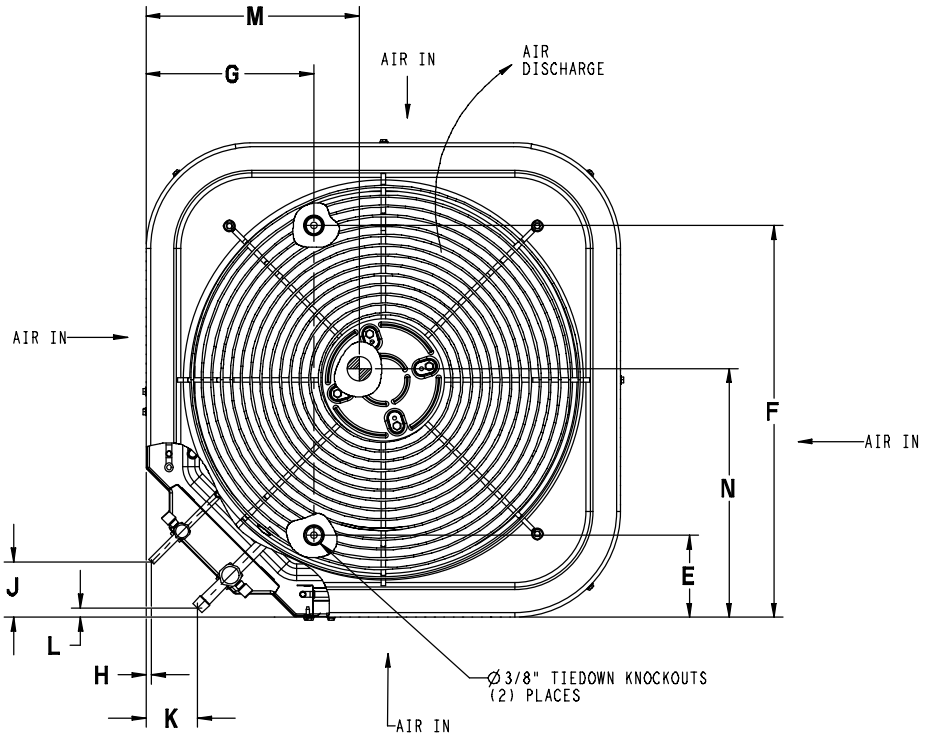
Model Number	Size (tons)	Nominal BTU/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth (in)	Ship / Operating Weight (lbs)
N4A318AKA	1½	18,000	11.7	15	25½ x 25¾ x 25¾	138 / 117
18GKA	same model with 3/8" spacing inlet grille					
N4A324AKA	2	24,000	17.6	25	25½ x 25¾ x 25¾	143 / 122
24GKA	same model with 3/8" spacing inlet grille					
N4A330AKB	2½	30,000	16.8	25	25½ x 25¾ x 25¾	148 / 127
30GKB	same model with 3/8" spacing inlet grille					
N4A336AKB	3	36,000	20.5	30	31 13/16 x 25¾ x 25¾	170 / 141
36GKB	same model with 3/8" spacing inlet grille					
N4A342AKA	3½	42,000	23.5	40	32 5/16 x 31 3/16 x 31 3/16	208 / 180
42GKA	same model with 3/8" spacing inlet grille					
N4A348AKB	4	48,000	26.2	40	35¾ x 31 3/16 x 31 3/16	216 / 179
48GKB	same model with 3/8" spacing inlet grille					
N4A360AKC	5	60,000	34.2	50	25½ x 31 3/16 x 31 3/16	218 / 184
60GKC	same model with 3/8" spacing inlet grille					

Specifications subject to change without notice.





Model (* = A or G)	All Dimensions Inches															
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x R(d)
N4A318*KA	25¾	25½	3¾	⅝	4⅞16	21¼	9⅛	5⁄16	3	2¹³⁄16	½	12½	12⅜	12⅜	26 × 26	32⁹⁄16 × 30¹⁄16 × 26⅞
N4A324*KA	25¾	25½	3¾	⅝	4⅞16	21¼	9⅛	5⁄16	3	2¹³⁄16	½	13	11⅞	12⅜	26 × 26	32⁹⁄16 × 30¹⁄16 × 26⅞
N4A330*KB	25¾	25½	3¾	¾	4⅞16	21¼	9⅛	5⁄16	3	2¹³⁄16	½	13	11⅞	12¾	26 × 26	32⁹⁄16 × 30¹⁄16 × 26⅞
N4A336*KB	25¾	31¹³⁄16	3⅞	⅞	6⁹⁄16	21¼	9⅛	5⁄16	3	2¹⁵⁄16	⅝	14¼	10½	16	26 × 26	35¹⁵⁄16 × 30¹⁄16 × 26⅞
N4A342*KA	31³⁄16	32⁵⁄16	3⅞	⅞	6⁹⁄16	24¹¹⁄16	9⅛	5⁄16	3	2¹⁵⁄16	⅝	15¾	16¼	13¾	31½ × 32½	35¹⁵⁄16 × 35½ × 32⅜
N4A348*KB	31³⁄16	35¾	3⅞	⅞	6⁹⁄16	24¹¹⁄16	9⅛	5⁄16	3	2¹⁵⁄16	⅝	14¾	15⅜	15	31½ × 31½	39⅜ × 35½ × 32⅜
N4A360*KC	31³⁄16	25½	3⅞	⅞	6⁹⁄16	24¹¹⁄16	9⅛	5⁄16	3	2¹⁵⁄16	⅝	14⅛	15⅜	11¾	31½ × 31½	32⁹⁄16 × 35½ × 32⅜

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	76	75	78	80	78
PSC Fan Motor HP	1/12	1/10	1/10	1/4	1/5	1/4	1/4
Fan RPM (single speed)	1100	1100	1100	1100	1100	1100	800
Fan CFM	1880	2200	2200	2954	3170	3644	3129
Coil Face Area (ft^2)	9.85	9.85	9.85	13.13	17.25	19.40	12.93
Coil Rows – fins per inch	1 – 20	1 – 20	1 – 25	1 – 25	1 – 25	1 – 25	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	7/8	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.)	3/4 *	3/4 *	7/8 *	7/8 *	7/8 *	7/8 *	1⅛ *
* 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–410A (lbs.)	3.57	3.72	4.00	5.34	5.84	7.00	8.19
Required Subcooling (˚F)	8	13	16	14	10	15	13
Weight, shipping (lbs.)	138	143	148	170	208	216	218
Weight, operating (lbs.)	117	122	127	141	180	179	184

ELECTRICAL DATA (208/230–1–60, voltage range 197V – 253V)							
Model Size	**18**	**24**	**30**	**36**	**42**	**48**	**60**
Minimum Circuit Ampacity – **MCA** (amps)	11.7	17.6	16.8	20.5	23.5	26.2	34.2
Maximum OverCurrent Protective device – **MOCP** (amps)	15	25	25	30	40	40	50
Compressor **RLA** (Rated Load Amps) **LRA** (Locked Rotor Amps)	9.0 48.0	13.5 58.3	12.8 64.0	14.1 77.0	17.9 112.0	19.9 109.0	26.4 134.0
Fan Motor **FLA** (Full Load Amps)	.5	.75	.75	1.4	1.1	1.4	1.2

R–410A 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.) Refer to Long Line Application Guideline to calculate equivalent length										
			Standard Application			Long Line Application (Requires Accessories) *							
			25’	50’	80’	81’	100’	125’	150’	175’	200’	225’	250’
18	3/8	1/2	1	2	3	3	4	6	7	8	9	10	12
		5/8	0	0	1	1	1	1	2	2	3	3	3
24		5/8	0	1	1	1	2	3	3	4	4	5	6
		3/4	0	0	0	0	0	1	1	1	1	1	2
		7/8	0	0	0	0	0	0	0	0	0	0	1
30		5/8	1	2	3	3	3	4	5	6	7	8	9
		3/4	0	0	1	1	1	1	2	2	2	3	3
		7/8	0	0	0	0	0	1	1	1	1	1	1
36		5/8	1	2	4	4	5	6	7	9	10	11	13
		3/4	0	0	1	1	1	2	2	3	3	4	4
		7/8	0	0	0	0	0	1	1	1	1	2	2
42		3/4	0	1	2	2	2	3	4	4	5	6	6
		7/8	0	0	1	1	1	1	2	2	2	3	3
		1 1/8	0	0	0	0	0	0	0	0	0	0	1
48		3/4	0	1	2	2	3	4	5	5	6	7	8
		7/8	0	0	1	1	1	2	2	2	3	3	4
		1 1/8	0	0	0	0	0	0	0	0	1	1	1
60		3/4	1	2	4	4	5	6	7	9	10	11	12
		7/8	0	1	2	2	2	3	4	4	5	5	6
		1 1/8	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 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. Refer to Table 1.

Applications in shaded area may have height restrictions that limit allowable total equivalent length when outdoor unit is below indoor unit. Refer to Table 5.

ACCESSORY USAGE GUIDELINES

Accessory	REQUIRED FOR LOW–AMBIENT APPLICATIONS (Below 55° F)	REQUIRED FOR LONG–LINE APPLICATIONS* (Over 80 ft.)
Crankcase Heater	**Yes**	**Yes**
Evaporator Freeze Thermostat	**Yes**	No
Winter Start Control	**Yes ****	No
Hard Start Kit (Capacitor & Relay)	**Yes**	**Yes**
Low Ambient Kit (Pressure Switch)	**Yes**	No
Support Feet, 4” tall	Recommended	No
Liquid Line Solenoid Valve	No	See Long–Line Application Guideline

* For Line Set lengths between 80 and 200 ft horizontal, or more than 20 ft 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**
NASA001CH	Crankcase Heater for Scroll Compressor (208/230 V)	42, 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
NASA403PS	Low Pressure Switch, AC, R–410A	ALL
NASA401LS	Liquid Line Solenoid Valve, R–410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001WS	Winter Start Control	ALL
NASA001AC	Anti–Cycle Timer (5 minute delay)	ALL
NASA404PS	High Pressure Switch, AC or HP, R–410A	ALL
NASA005SC	Hard Start Kit (Capacitor & Relay)	ALL
NASA401LA	Low Ambient Kit (Pressure Switch), R–410A	ALL
NASA001SF	Support Feet, 4” tall	ALL
NASA001SJ	Sound Jacket, Compressor	18, 24, 30, 36, 42, 48
NASA003SJ	Sound Jacket, Compressor	60
EBAC05TXVX	TXV Kit, R–410A *	18, 24, 30
EBAC06TXVX	TXV Kit, R–410A *	36, 42
EBAC07TXVX	TXV Kit, R–410A *	48, 60

* ONLY converts Fan Coils equipped with factory installed R–22 TXV.

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–410A TXV	w/ field R–410A TXV+TDR
N4A318AKA N4A318GKA	‡ED*4X18B**	†	TXV	17,300	0.77	11.00		13.00		
	^ED*4X18B**	*9MPV050	TDR&TXV	17,700	0.77	12.00	14.00			
	^ED*4X18B**	MV08B15****	TDR&TXV	17,900	0.77	11.70	14.00			
	^ED*4X24B**	MV08B15****	TDR&TXV	18,000	0.77	11.70	14.00			
	ED*4X24B**	†	TXV	17,700	0.77	11.00		13.00		
	^ED*4X24F**	MV12F19****	TDR&TXV	18,000	0.77	11.70	14.00			
	ED*4X24F**	†	TXV	17,700	0.77	11.00		13.00		
	^EHD4X24A**	*9MPV050	TDR&TXV	17,900	0.77	11.50	14.00			
	^EHD4X24A**	MV08B15****	TDR&TXV	17,900	0.77	11.70	14.00			
	^EHD4X24A**	MV12F19****	TDR&TXV	17,900	0.77	11.70	14.00			
	EHD4X24A**	†	TXV	17,600	0.77	11.00		13.00		
	EMA4X24D**	†	TXV	17,600	0.77	11.00		13.00		
	^FEM4X18****	†	TDR&TXV	17,700	0.77	11.70	14.00			
	^FEM4X24****	†	TDR&TXV	17,900	0.77	11.70	14.00			
	FS(M,U)4X18****	†	TDR&TXV	17,400	0.77	10.70	13.00			
	FS(M,U)4X24****	†	TDR&TXV	17,500	0.77	10.70	13.00			
	FSA2X18****	†	TDR&TXV	17,200	0.77	10.80			13.00	
	FSA2X24****	†	TDR&TXV	17,400	0.77	10.80			13.00	
	^FVM4X24****	†	TDR&TXV	17,800	0.77	12.00	14.00			
N4A324AKA N4A324GKA	‡ED*4X24B**	†	TXV	22,800	0.77	11.00		13.00		
	ED*4X24B**	*8MPV050	TDR&TXV	22,800	0.77	11.20	13.50			
	^ED*4X24B**	*8MPV075	TDR&TXV	23,000		12.00	14.00			
	^ED*4X24B**	MV08B15****	TDR&TXV	22,800	0.77	11.50	14.00			
	ED*4X24F**	†	TXV	23,000	0.77	11.00		13.00		
	^ED*4X24F**	*8MPV075	TDR&TXV	23,200		12.00	14.00			
	^ED*4X24F**	*9MPV050	TDR&TXV	22,800	0.77	11.50	14.00			
	ED*4X24F**	*9MPV075	TDR&TXV	22,600	0.77	11.20	14.00			
	^ED*4X24F**	MV12F19****	TDR&TXV	23,000	0.77	11.70	14.00			
	ED*4X30B**	†	TXV	23,200	0.77	11.00		13.00		
	ED*4X30B**	*8MPV050	TDR&TXV	22,800	0.77	11.20	13.50			
	^ED*4X30B**	*8MPV075	TDR&TXV	23,400		12.00	14.00			
	^ED*4X30B**	MV08B15****	TDR&TXV	23,000	0.77	11.70	14.00			
	ED*4X30F**	†	TXV	23,200	0.77	11.00		13.00		
	^ED*4X30F**	*8MPV075	TDR&TXV	23,400		12.00	14.00			
	^ED*4X30F**	*9MPV050	TDR&TXV	23,000	0.77	11.50	14.00			
	^ED*4X30F**	*9MPV075	TDR&TXV	23,000	0.77	11.50	14.00			
	^ED*4X30F**	MV12F19****	TDR&TXV	23,000	0.77	11.70	14.00			
	EHD4X24A**	†	TXV	23,000	0.77	11.00		13.00		
	EHD4X24A**	*8MPV050	TDR&TXV	22,800	0.77	11.20	13.50			
	EHD4X24A**	*8MPV075	TDR&TXV	23,200	0.77	11.20	14.00			
	^EHD4X24A**	*8MPV100	TDR&TXV	23,400	0.77	11.50	14.00			
	^EHD4X24A**	*8MPV125	TDR&TXV	23,200	0.77	11.50	14.00			
	EHD4X24A**	*9MPV050	TDR&TXV	23,200	0.77	11.20	13.50			
	EHD4X24A**	*9MPV075	TDR&TXV	22,800	0.77	11.20	13.50			
	^EHD4X24A**	*9MPV100	TDR&TXV	23,200	0.77	11.50	14.00			
	^EHD4X24A**	MV08B15****	TDR&TXV	23,200	0.77	11.70	14.00			
	^EHD4X24A**	MV12F19****	TDR&TXV	22,800	0.77	11.70	14.00			
	^EHD4X24A**	MV16J22****	TDR&TXV	23,200	0.77	11.70	14.00			
	^EHD4X24A**	MV20N26****	TDR&TXV	23,000	0.77	11.70	14.00			
	EHD4X30A**	†	TXV	23,000	0.77	11.00		13.00		
	EHD4X30A**	*8MPV050	TDR&TXV	23,000	0.77	11.20	13.50			
	EHD4X30A**	*9MPV050	TDR&TXV	23,000	0.77	11.20	13.50			

^ Indicates ENERGY STAR compliance for combinations with both: SEER 14.0 or higher and EER 11.5 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–410A TXV	w/ field R–410A TXV+TDR
N4A324AKA N4A324GKA (continued)	^EHD4X30A**	*9MPV075	TDR&TXV	22,800	0.77	11.50	14.00			
	^EHD4X30A**	*9MPV100	TDR&TXV	23,400	0.77	11.50	14.00			
	^EHD4X30A**	MV08B15****	TDR&TXV	23,200	0.77	11.70	14.00			
	^EHD4X30A**	MV12F19****	TDR&TXV	23,200	0.77	11.70	14.00			
	^EHD4X30A**	MV16J22****	TDR&TXV	23,600	0.77	11.70	14.00			
	^EHD4X30A**	MV20N26****	TDR&TXV	23,400	0.77	11.70	14.00			
	EMA4X24D**	†	TXV	22,800	0.77	11.00		13.00		
	^FEM4X24****	†	TDR&TXV	23,000	0.77	11.50	14.00			
	^FEM4X30****	†	TDR&TXV	23,200	0.77	11.50	14.00			
	FS(M,U)4X24****	†	TDR&TXV	22,600	0.77	10.80	13.00			
	FS(M,U)4X30****	†	TDR&TXV	22,800	0.77	11.00	13.20			
	FSA2X24****	†	TDR&TXV	22,000	0.77	10.90			13.00	
	^FVM4X24****	†	TDR&TXV	23,000	0.77	12.00	14.00			
	^FVM4X36****	†	TDR&TXV	23,000	0.77	12.00	14.00			
N4A330AKB N4A330GKB	‡ED*4X30B**	†	TXV	27,800	0.80	10.70		13.00		
	^ED*4X30B**	MV08B15****	TDR&TXV	28,200	0.80	11.50	14.00			
	^ED*4X30B**	*8MPV075	TDR&TXV	27,800	0.80	11.50	14.00			
	ED*4X30F**	†	TXV	27,800	0.80	10.70		13.00		
	^ED*4X30F**	*8MPV075	TDR&TXV	27,800	0.80	11.50	14.00			
	^ED*4X30F**	MV12F19****	TDR&TXV	28,600	0.80	11.50	14.00			
	ED*4X36B**	†	TXV	28,000	0.80	10.70		13.00		
	^ED*4X36B**	MV08B15****	TDR&TXV	28,200	0.80	11.50	14.00			
	^ED*4X36B**	*8MPV075	TDR&TXV	28,000	0.80	11.50	14.00			
	ED*4X36F**	†	TXV	28,000	0.80	10.70		13.00		
	^ED*4X36F**	*8MPV075	TDR&TXV	28,200	0.80	11.50	14.00			
	^ED*4X36F**	MV12F19****	TDR&TXV	28,600	0.80	11.50	14.00			
	ED*4X36J**	†	TXV	28,000	0.80	10.70		13.00		
	^ED*4X36J**	*8MPV100	TDR&TXV	28,200	0.80	11.50	14.00			
	^ED*4X36J**	*8MPV125	TDR&TXV	28,200	0.80	12.00	14.00			
	^ED*4X36J**	*9MPV100	TDR&TXV	27,400	0.80	11.50	14.00			
	^ED*4X36J**	MV16J22****	TDR&TXV	28,800	0.80	12.00	14.00			
	EHD4X30A**	†	TXV	28,000	0.80	10.70		13.00		
	^EHD4X30A**	*8MPV075	TDR&TXV	28,000	0.80	11.50	14.00			
	EHD4X30A**	*8MPV100	TDR&TXV	28,200	0.80	11.20	13.50			
	^EHD4X30A**	*8MPV125	TDR&TXV	28,600	0.80	11.50	14.00			
	EHD4X30A**	*9MPV075	TDR&TXV	28,200	0.80	11.00	13.20			
	^EHD4X30A**	*9MPV100	TDR&TXV	27,800	0.80	11.50	14.00			
	^EHD4X30A**	*9MPV125	TDR&TXV	28,200	0.80	11.50	14.00			
	^EHD4X30A**	MV08B15****	TDR&TXV	28,400	0.80	11.50	14.00			
	^EHD4X30A**	MV12F19****	TDR&TXV	28,600	0.80	11.50	14.00			
	^EHD4X30A**	MV16J22****	TDR&TXV	28,200	0.80	12.00	14.00			
	^EHD4X30A**	MV20N26****	TDR&TXV	28,400	0.80	12.00	14.00			
	EHD4X36A**	†	TXV	28,200	0.80	10.80		13.20		
	EHD4X36A**	*9MPV050	TDR&TXV	28,200	0.80	11.00	13.20			
	^EHD4X36A**	*9MPV100	TDR&TXV	28,000	0.80	11.50	14.00			
	^EHD4X36A**	*9MPV125	TDR&TXV	28,400	0.80	11.50	14.00			
	^EHD4X36A**	MV08B15****	TDR&TXV	28,600	0.80	11.70	14.00			
	^EHD4X36A**	MV12F19****	TDR&TXV	28,800	0.80	12.00	14.00			
	^EHD4X36A**	MV16J22****	TDR&TXV	28,600	0.80	12.00	14.00			
	^EHD4X36A**	MV20N26****	TDR&TXV	28,800	0.80	12.00	14.00			
	EMA4X36D**	†	TXV	27,800	0.80	10.70		13.00		
	FEM4X30****	†	TDR&TXV	28,000	0.80	11.20	13.50			
	^FEM4X36****	†	TDR&TXV	28,600	0.80	11.50	14.00			
	FS(M,U)4X30****	†	TDR&TXV	27,600	0.80	10.70	13.00			
	FSA2X30****	†	TDR&TXV	27,400	0.80	10.60			13.00	

^ Indicates ENERGY STAR compliance for combinations with both: SEER 14.0 or higher and EER 11.5 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–410A TXV	w/ field R–410A TXV+TDR
N4A330AKB N4A330GKB (continued)	FSA2X36****	†	TDR&TXV	28,000	0.80	10.80			13.00	
	^FVM4X24****	†	TDR&TXV	27,800	0.80	11.50	14.00			
	^FVM4X36****	†	TDR&TXV	28,000	0.80	12.00	14.00			
	^FVM4X48****	†	TDR&TXV	28,800	0.80	12.00	14.00			
N4A336AKB N4A336GKB	‡ED*4X36F**	†	TXV	33,800	0.77	10.90		13.00		
	ED*4X36B**	†	TXV	32,600	0.77	11.00		13.00		
	^ED*4X36B**	MV08B15**B*	TDR&TXV	32,800	0.77	11.70	14.00			
	ED*4X36F**	*8MPV075	TDR&TXV	33,600	0.77	11.50	13.50			
	ED*4X36F**	*9MPV050	TDR&TXV	33,200	0.77	11.00	13.20			
	ED*4X36F**	*9MPV075	TDR&TXV	33,400	0.77	11.20	13.20			
	^ED*4X36F**	MV12F19**B*	TDR&TXV	33,600	0.77	12.00	14.00			
	ED*4X36J**	†	TXV	33,800	0.77	10.90		13.00		
	^ED*4X36J**	*8MPV100	TDR&TXV	34,200	0.77	11.70	14.00			
	^ED*4X36J**	*8MPV125	TDR&TXV	34,200	0.77	11.70	14.00			
	ED*4X36J**	*9MPV100	TDR&TXV	34,000	0.77	11.50	13.50			
	^ED*4X36J**	MV16J22**B*	TDR&TXV	33,800	0.77	12.00	14.00			
	ED*4X42F**	†	TXV	33,800	0.77	11.00		13.00		
	ED*4X42F**	*8MPV075	TDR&TXV	34,000	0.77	11.50	13.50			
	ED*4X42F**	*9MPV050	TDR&TXV	33,600	0.77	11.20	13.20			
	ED*4X42F**	*9MPV075	TDR&TXV	33,600	0.77	11.20	13.50			
	^ED*4X42F**	MV12F19**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	ED*4X42J**	†	TXV	34,000	0.77	11.00		13.00		
	^ED*4X42J**	*8MPV100	TDR&TXV	34,400	0.77	11.70	14.00			
	^ED*4X42J**	*8MPV125	TDR&TXV	34,400	0.77	12.00	14.00			
	ED*4X42J**	*9MPV100	TDR&TXV	34,200	0.77	11.70	13.50			
	^ED*4X42J**	MV16J22**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	ED*4X42L**	†	TXV	34,000	0.77	11.00		13.00		
	^ED*4X42L**	*9MPV125	TDR&TXV	34,400	0.77	11.70	14.00			
	^ED*4X42L**	MV20L24**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	EHD4X36A**	†	TXV	34,000	0.77	11.00		13.00		
	EHD4X36A**	*8MPV050	TDR&TXV	33,800	0.77	11.20	13.20			
	EHD4X36A**	*8MPV075	TDR&TXV	33,400	0.77	11.70	13.50			
	^EHD4X36A**	*8MPV100	TDR&TXV	33,600	0.77	12.00	14.00			
	^EHD4X36A**	*8MPV125	TDR&TXV	33,400	0.77	12.00	14.00			
	EHD4X36A**	*9MPV050	TDR&TXV	33,800	0.77	11.20	13.20			
	EHD4X36A**	*9MPV075	TDR&TXV	33,400	0.77	11.50	13.50			
	^EHD4X36A**	*9MPV100	TDR&TXV	33,400	0.77	11.70	14.00			
	^EHD4X36A**	*9MPV125	TDR&TXV	33,400	0.77	12.00	14.00			
	^EHD4X36A**	MV08B15**B*	TDR&TXV	33,400	0.77	12.00	14.00			
	^EHD4X36A**	MV12F19**B*	TDR&TXV	33,400	0.77	12.00	14.00			
	^EHD4X36A**	MV16J22**B*	TDR&TXV	33,400	0.77	12.00	14.00			
	^EHD4X36A**	MV20L24**B*	TDR&TXV	33,400	0.77	12.00	14.00			
	EHD4X42A**	†	TXV	33,800	0.77	11.00		13.00		
	EHD4X42A**	*8MPV050	TDR&TXV	33,800	0.77	11.20	13.50			
	^EHD4X42A**	*8MPV075	TDR&TXV	34,000	0.77	11.70	14.00			
	^EHD4X42A**	*8MPV100	TDR&TXV	34,400	0.77	12.00	14.00			
	^EHD4X42A**	*8MPV125	TDR&TXV	34,200	0.77	12.00	14.00			
	EHD4X42A**	*9MPV050	TDR&TXV	34,000	0.77	11.20	13.50			
	EHD4X42A**	*9MPV075	TDR&TXV	34,000	0.77	11.50	13.50			
	^EHD4X42A**	*9MPV100	TDR&TXV	34,200	0.77	11.70	14.00			
	^EHD4X42A**	*9MPV125	TDR&TXV	34,200	0.77	12.00	14.00			
	^EHD4X42A**	MV08B15**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	^EHD4X42A**	MV12F19**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	^EHD4X42A**	MV16J22**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	^EHD4X42A**	MV20L24**B*	TDR&TXV	34,000	0.77	12.00	14.00			
	EMA4X36D**	†	TXV	33,800	0.77	10.90		13.00		

^ Indicates ENERGY STAR compliance for combinations with both: SEER 14.0 or higher and EER 11.5 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–410A TXV	w/ field R–410A TXV+TDR
N4A336AKB N4A336GKB (continued)	^FEM4X36****	†	TDR&TXV	34,600	0.77	11.70	14.00			
	^FEM4X42****	†	TDR&TXV	34,800	0.77	11.70	14.00			
	FS(M,U)4X42****	†	TDR&TXV	34,200	0.77	11.00	13.00			
	FSA4X36**A*	†	TDR&TXV	33,600	0.77	10.70	13.00			
	FSM4X36****	†	TDR&TXV	34,200	0.77	11.00	13.00			
	^FVM4X36****	†	TDR&TXV	33,600	0.77	12.00	14.00			
	^FVM4X48****	†	TDR&TXV	34,800	0.77	12.00	14.00			
	^FVM4X60****	†	TDR&TXV	34,800	0.77	12.00	14.00			
N4A342AKA N4A342GKA	‡ED*4X42J**	†	TXV	41,000	0.77	11.00		13.00		
	ED*4X42F**	†	TXV	40,500	0.77	10.80		13.00		
	ED*4X42F**	*8MPV075	TDR&TXV	40,000	0.77	11.20	13.50			
	ED*4X42F**	*9MPV075	TDR&TXV	40,000	0.77	10.90	13.00			
	ED*4X42J**	*8MPV100	TDR&TXV	41,500	0.77	11.20	13.50			
	^ED*4X42J**	*8MPV125	TDR&TXV	41,000	0.77	11.50	14.00			
	^ED*4X42J**	MV16J22****	TDR&TXV	41,500	0.77	11.50	14.00			
	ED*4X42L**	†	TXV	41,000	0.77	11.00		13.00		
	ED*4X42L**	*9MPV125	TDR&TXV	41,500	0.77	11.00	13.00			
	ED*4X48F**	†	TXV	41,500	0.77	11.00		13.00		
	ED*4X48F**	*8MPV075	TDR&TXV	41,500	0.77	11.20	13.50			
	ED*4X48F**	*9MPV075	TDR&TXV	41,000	0.77	11.00	13.20			
	ED*4X48J**	†	TXV	41,500	0.77	11.00		13.00		
	^ED*4X48J**	*8MPV100	TDR&TXV	41,500	0.77	11.50	14.00			
	^ED*4X48J**	*8MPV125	TDR&TXV	42,000	0.77	11.50	14.00			
	ED*4X48J**	*9MPV100	TDR&TXV	42,000	0.77	11.00	13.20			
	^ED*4X48J**	MV16J22****	TDR&TXV	42,500	0.77	11.50	14.00			
	ED*4X48L**	†	TXV	41,500	0.77	11.00		13.20		
	ED*4X48L**	*9MPV125	TDR&TXV	42,000	0.77	11.20	13.50			
	EHD4X42A**	†	TXV	41,000	0.77	11.00		13.20		
	EHD4X42A**	*8MPV075	TDR&TXV	41,000	0.77	11.20	13.50			
	^EHD4X42A**	*8MPV100	TDR&TXV	41,500	0.77	11.50	14.00			
	^EHD4X42A**	*8MPV125	TDR&TXV	41,500	0.77	11.50	14.00			
	EHD4X42A**	*9MPV075	TDR&TXV	40,500	0.77	11.20	13.50			
	^EHD4X42A**	*9MPV100	TDR&TXV	40,500	0.77	11.50	14.00			
	EHD4X42A**	*9MPV125	TDR&TXV	41,500	0.77	11.20	13.50			
	^EHD4X42A**	MV16J22****	TDR&TXV	42,000	0.77	11.70	14.00			
	^EHD4X42A**	MV20N26****	TDR&TXV	42,500	0.77	11.50	14.00			
	EHD4X48A**	†	TXV	41,500	0.77	11.00		13.00		
	EHD4X48A**	*8MPV075	TDR&TXV	41,500	0.77	11.20	13.50			
	^EHD4X48A**	*8MPV100	TDR&TXV	41,500	0.77	11.50	14.00			
	^EHD4X48A**	*8MPV125	TDR&TXV	42,000	0.77	11.50	14.00			
	EHD4X48A**	*9MPV075	TDR&TXV	41,000	0.77	11.20	13.50			
	^EHD4X48A**	*9MPV100	TDR&TXV	41,500	0.77	11.50	14.00			
	EHD4X48A**	*9MPV125	TDR&TXV	42,000	0.77	11.20	13.50			
	^EHD4X48A**	MV16J22****	TDR&TXV	42,000	0.77	11.70	14.00			
	^EHD4X48A**	MV20N26****	TDR&TXV	42,500	0.77	11.50	14.00			
	EMA4X48D**	†	TXV	41,500	0.77	11.00		13.20		
	^FEM4X42****	†	TDR&TXV	41,500	0.77	11.50	14.00			
	FEM4X42****	†	TDR&TXV		0.77	11.80				
	^FEM4X48****	†	TDR&TXV	42,500	0.77	11.70	14.00			
	FEM4X48****	†	TDR&TXV		0.77	12.15				
	FS(M,U)4X42****	†	TDR&TXV	41,000	0.77	10.80	13.00			
	FS(M,U)4X48****	†	TDR&TXV	42,000	0.77	11.00	13.20			

^ Indicates ENERGY STAR compliance for combinations with both: SEER 14.0 or higher and EER 11.5 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–410A TXV	w/ field R–410A TXV+TDR
N4A342AKA N4A342GKA (continued)	FSM4X36****	†	TDR&TXV	41,500	0.77	10.90	13.00			
	^FVM4X48****	†	TDR&TXV	41,500	0.77	12.00	14.00			
	^FVM4X60****	†	TDR&TXV	42,500	0.77	12.00	14.00			
N4A348AKB N4A348GKB	‡ED*4X48J**	†	TXV	46,000	0.71	11.00		13.20		
	ED*4X48F**	†	TXV	45,000	0.71	11.00		13.20		
	ED*4X48J**	*8MPV100	TDR&TXV	45,000	0.71	11.50	13.50			
	ED*4X48J**	*8MPV125	TDR&TXV	45,000	0.71	11.70	13.50			
	ED*4X48J**	*9MPV100	TDR&TXV	45,000	0.71	11.20	13.20			
	^ED*4X48J**	MV16J22**B*	TDR&TXV	45,000	0.71	12.00	14.00			
	ED*4X48L**	†	TXV	46,000	0.71	11.00		13.20		
	ED*4X48L**	*9MPV125	TDR&TXV	45,500	0.71	11.50	13.50			
	^ED*4X48L**	MV20L24**B*	TDR&TXV	45,500	0.71	12.00	14.00			
	ED*4X60J**	†	TXV	46,000	0.71	11.20		13.20		
	^ED*4X60J**	*8MPV100	TDR&TXV	46,000	0.71	11.70	14.00			
	^ED*4X60J**	*8MPV125	TDR&TXV	46,000	0.71	12.00	14.00			
	ED*4X60J**	*9MPV100	TDR&TXV	46,000	0.71	11.70	13.50			
	ED*4X60L**	†	TXV	46,500	0.71	11.20		13.20		
	ED*4X60L**	*9MPV125	TDR&TXV	46,500	0.71	11.70	13.50			
	EHD4X48A**	†	TXV	46,000	0.71	11.00		13.20		
	EHD4X48A**	*8MPV100	TDR&TXV	46,000	0.71	11.50	13.50			
	EHD4X48A**	*8MPV125	TDR&TXV	46,000	0.71	11.70	13.50			
	EHD4X48A**	*9MPV100	TDR&TXV	45,500	0.71	11.20	13.20			
	EHD4X48A**	*9MPV125	TDR&TXV	45,500	0.71	11.50	13.50			
	^EHD4X48A**	MV16J22**B*	TDR&TXV	46,000	0.71	12.00	14.00			
	^EHD4X48A**	MV20L24**B*	TDR&TXV	46,000	0.71	12.00	14.00			
	EHD4X60A**	†	TXV	46,500	0.71	11.20		13.20		
	^EHD4X60A**	*8MPV100	TDR&TXV	46,500	0.71	11.70	14.00			
	^EHD4X60A**	*8MPV125	TDR&TXV	46,500	0.71	12.00	14.00			
	EHD4X60A**	*9MPV100	TDR&TXV	46,500	0.71	11.70	13.50			
	EHD4X60A**	*9MPV125	TDR&TXV	46,500	0.71	11.70	13.50			
	EMA4X48D**	†	TXV	45,000	0.71	11.00		13.20		
	FEM4X48****	†	TDR&TXV	46,500	0.71	11.70	13.50			
	^FEM4X60****	†	TDR&TXV	47,500	0.71	12.00	14.00			
	FS(M,U)4X48****	†	TDR&TXV	45,500	0.71	11.20	13.20			
	FS(M,U)4X60****	†	TDR&TXV	46,500	0.71	11.20	13.20			
	^FVM4X48****	†	TDR&TXV	46,000	0.71	12.00	14.00			
N4A360AKC N4A360GKC	‡ED*4X60L**	†	TXV	57,500	0.74	11.00		13.00		
	ED*4X60J**	MV16J22**B*	TDR&TXV	57,000	0.74	11.20	13.50			
	ED*4X60J**	†	TXV	57,500	0.74	11.00		13.00		
	ED*4X60L**	MV20L24**B*	TDR&TXV	57,000	0.74	11.20	13.20			
	EHD4X60A**	MV16J22**B*	TDR&TXV	57,500	0.74	11.50	13.50			
	EHD4X60A**	MV20L24**B*	TDR&TXV	57,000	0.74	11.20	13.20			
	EHD4X60A**	†	TXV	57,500	0.74	11.00		13.00		
	FEM4X60****	†	TDR&TXV	57,500	0.74	11.20	13.20			
	FVM4X60****	†	TDR&TXV	57,500	0.74	11.50	13.50			

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

ENERGY STAR PARTNER

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 (single phase)

Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	**N**	**4**	**A**	**3**	**18**	**A**	**K**	**B**	**1**	**0**	**0**

- H = ICP Commercial Mainline
- N = ICP Commercial Entry **BRANDING**
- 2 = R-22
- 4 = R-410A **REFRIGERANT**
- A = Air Conditioner
- H = Heat Pump **TYPE**
- 3 = 13 SEER
- 4 = 14 SEER **NOMINAL EFFICIENCY**
- 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 **NOMINAL CAPACITY**
- A = Standard Grille
- G = Coil Guard Grille
- C = Coastal **FEATURES**
- K = 208/230-1-60 **VOLTAGE**
- Sales Code
- Engineering Revision
- Extra Digit
- Extra Digit

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11
Example Part Number:	**N**	**A**	**S**	**A**	**0**	**0 1**	**01**	**C H**

- 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
- 4 = R-410A **REFRIGERANT**
- Product Identifier Number
- Package Quantity
- Type of Kit
(Example: CH = Crankcase Heater)