H4H3
Product Specifications

EFFICIENT 13 SEER 3−PHASE HEAT PUMP
ENVIRONMENTALLY SOUND R−410A REFRIGERANT
3 THRU 5 TONS SPLIT SYSTEM
208 / 230 Volt, 3−phase, 60 Hz
460 Volt, 3−phase, 60 Hz



REFRIGERATION CIRCUIT
- Copeland Scroll™ compressors on all models
- Crankcase Heaters factory installed on all models
- Suction line accumulator factory installed
- Bi−flow filter−drier included for field installation
- Integrated solid state control with Time−Temperature Defrost
- High and Low pressure switches
- Copper tube / aluminum fin coil

PERFORMANCE
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE
- Comfort Alert™ Diagnostics device on all models
- Easy Access service valves on all models
- Innovative control box design
- External high and low refrigerant service ports
- Fan motor in−line disconnect plug
- Only two screws to access control panel
- Factory charged with R−410A refrigerant

BUILT TO LAST
- High gloss, baked−on powder coat finish over galvanized steel
- Post−painted (black) coil fins
- Coated, weather−resistant cabinet screws
- Coated inlet grille with ⅜" (10mm) spacing for extra protection
- Corner Posts for extra strength and style

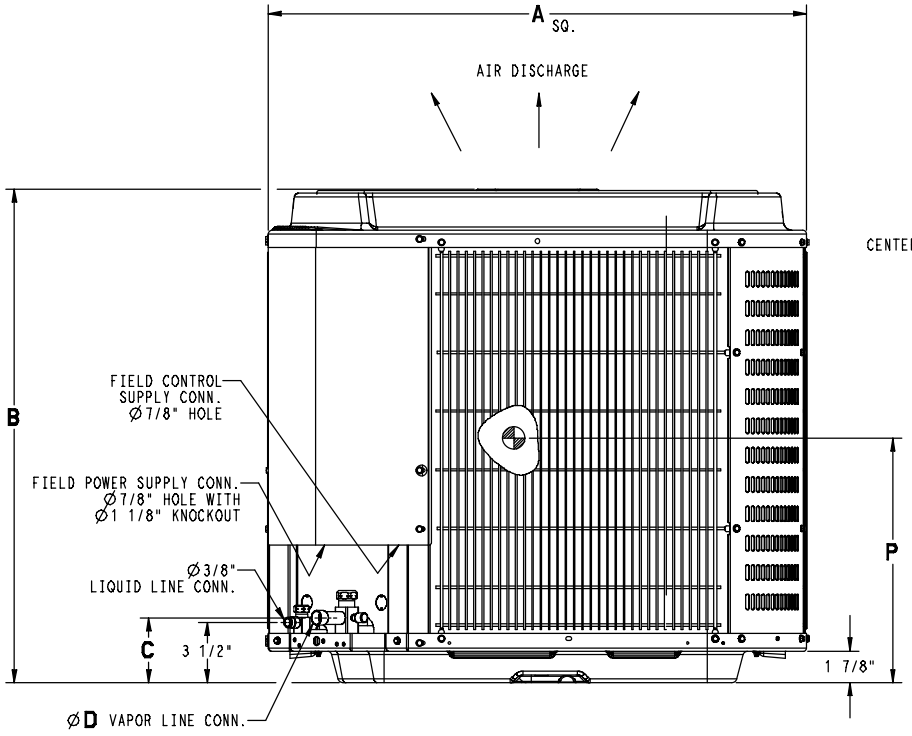
WARRANTY
- 5 year compressor limited warranty
- 1 year parts limited warranty

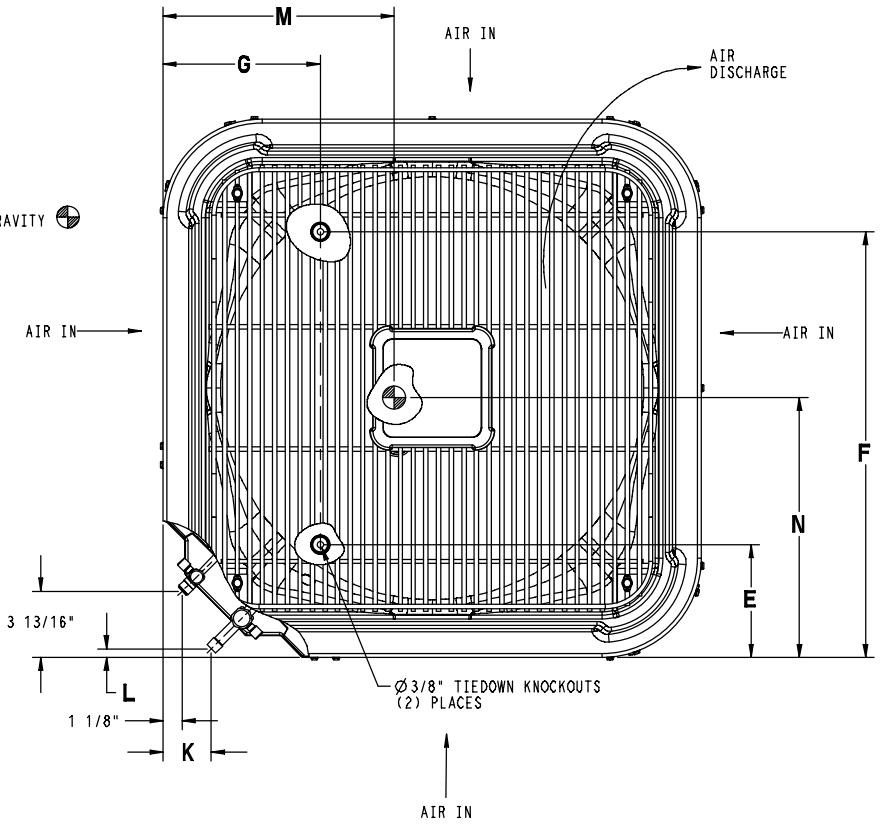
ARI PERFORMANCE CERTIFIED
ARI Standard 210/240
Unitary Heat Pumps

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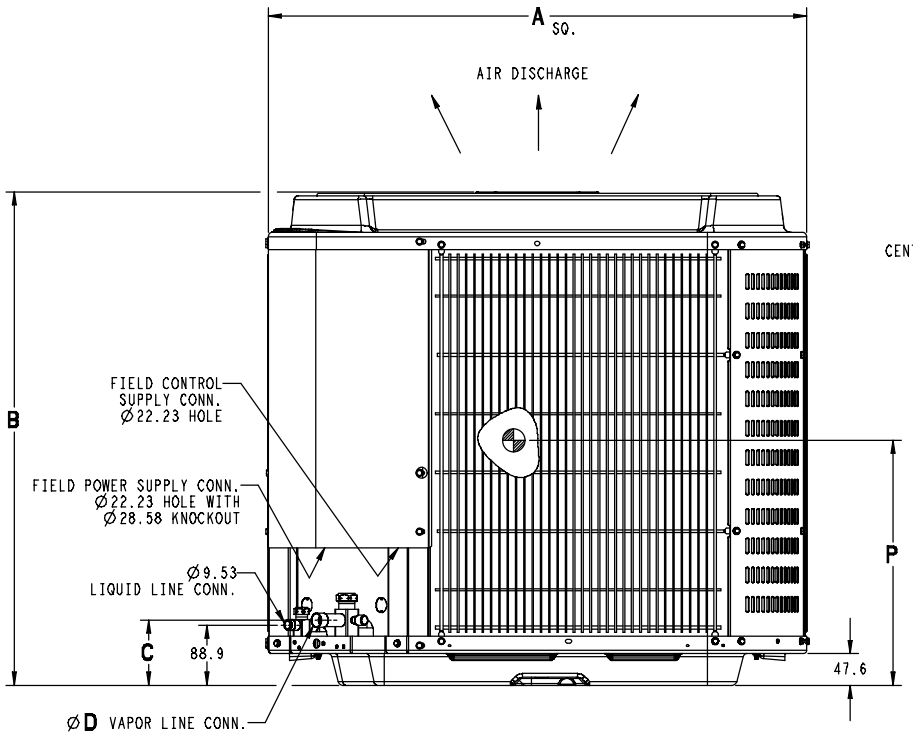
Rated in accordance with ARI Standard 210/240. Certification applies only when used with proper components as listed with ARI.

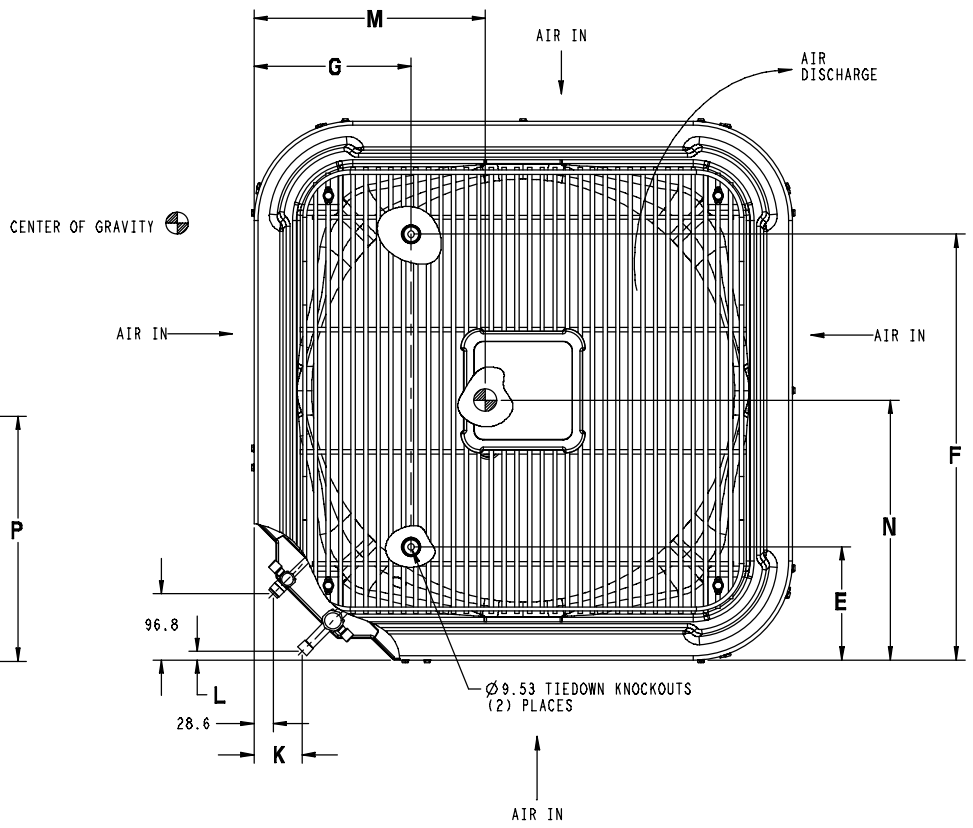
Model Number	Voltage	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dimensions height x width x depth in. (mm)	Ship / Operating Weight lbs. (kg)
H4H336GHD	208/230	3	36,000	15.5	25	29⅞ × 35 × 35 (760 x 889 x 889)	230 / 190 (104 / 86)
H4H336GLD	460			7.7	15		
H4H342GHD	208/230	3½	42,000	17.9	30	40⅛ × 35 × 35 (1019 x 889 x 889)	285 / 241 (129 / 109)
H4H342GLD	460			9.3	15		
H4H348GHD	208/230	4	48,000	18.6	30	29⅞ × 35 × 35 (760 x 889 x 889)	266 / 222 (121 / 101)
H4H348GLD	460			8.4	15		
H4H360GHD	208/230	5	60,000	21.1	30	29⅞ × 35 × 35 (760 x 889 x 889)	293 / 252 (133 / 114)
H4H360GLD	460			10.3	15		





Model * = H or L	Dimensions Inches												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		
H4H336G*D	35	29⅞	3¾	¾	6⁹⁄₁₆	28⁷⁄₁₆	9⅛	2¹³⁄₁₆	½	15	18	16	35 × 35	35¹⁵⁄₁₆ × 39¼ × 36⅛
H4H342G*D	35	40⅛	3⅞	⅞	6⁹⁄₁₆	28⁷⁄₁₆	9⅛	2¹⁵⁄₁₆	⅝	16	15	19	35 × 35	42¾ × 39¼ × 36⅛
H4H348G*D	35	29⅞	3⅞	⅞	6⁹⁄₁₆	28⁷⁄₁₆	9⅛	2¹⁵⁄₁₆	⅝	16	16	18	35 × 35	35¹⁵⁄₁₆ × 39¼ × 36⅛
H4H360G*D	35	29⅞	3⅞	⅞	6⁹⁄₁₆	28⁷⁄₁₆	9⅛	2¹⁵⁄₁₆	⅝	16	16	14	35 × 35	35¹⁵⁄₁₆ × 39¼ × 36⅛





Model * = H or L	Dimensions MM													
	A	B	C	D	E	F	G	K	L	M	N	P	Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x R(d)
H4H336G*D	889	760	95	19	167	722	232	71	13	381	457	406	889 x 889	913 x 997 x 918
H4H342G*D	889	1019	98	22	167	722	232	75	16	406	381	483	889 x 889	1172 x 997 x 918
H4H348G*D	889	760	98	22	167	722	232	75	16	406	406	457	889 x 889	913 x 997 x 918
H4H360G*D	889	760	98	22	167	722	232	75	16	406	406	356	889 x 889	913 x 997 x 918

PHYSICAL DATA				
Model Size	**36GH/GL**	**42GH/GL**	**48GH/GL**	**60GH/GL**
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)**	72	72	72	72
PSC Fan Motor HP	1/8	1/5	1/4	1/4
Fan RPM	825	847	811	802
Fan CFM	3300	3800	4000	4000
Coil Face Area ft^2 (m^2)	17.60 (1.64)	25.15 (2.34)	17.60 (1.64)	17.60 (1.64)
Coil Rows − fins per inch	1−20	1−20	2−20	2−20
Low Pressure Switch Open Pressure (psig) Close Pressure (psig)	23 ± 5 55 ± 5	23 ± 5 55 ± 5	23 ± 5 55 ± 5	23 ± 5 55 ± 5
High Pressure Switch Open Pressure (psig) Close Pressure (psig)	670 ± 10 470 ± 25	670 ± 10 470 ± 25	670 ± 10 470 ± 25	670 ± 10 470 ± 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)	3/4 (19)	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)*	3/4 (19)*	7/8 (22)*	7/8 (22)*	1⅛ (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)	6.49 (2.94)	8.14 (3.69)	11.12 (5.04)	11.00 (4.99)
Required Subcooling °F (°C)	9 (5)	11 (6)	11 (6)	12 (7)
Weight, shipping lbs. (kg)	230 (104)	285 (129)	266 (121)	293 (133)
Weight, operating lbs. (kg)	190 (86)	241 (109)	222 (101)	252 (114)

ELECTRICAL DATA								
Model Size	**36GH**	**36GL**	**42GH**	**42GL**	**48GH**	**48GL**	**60GH**	**60GL**
Supply Voltage, 3−phase 60 Hz.	208/230	460	208/230	460	208/230	460	208/230	460
Acceptable Voltage Range, min−max	197−253	414−506	197−253	414−506	197−253	414−506	197−253	414−506
Minimum Circuit Ampacity − **MCA** (amps)	15.50	7.70	17.90	9.30	18.60	8.40	21.10	10.30
Maximum OverCurrent Protective device − **MOCP** (amps)	25	15	30	15	30	15	30	15
Compressor **RLA** (Rated Load Amps) **LRA** (Locked Rotor Amps)	11.70 88.0	5.80 38.0	13.50 88.0	7.10 46.0	13.90 83.0	6.20 41.0	15.90 110.0	7.80 52.0
Fan Motor **FLA** (Full Load Amps)	0.9	0.5	1.1	0.5	1.2	0.6	1.2	0.6

**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)
36	3⁄8 (10)	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
		1⅛ (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.

ACCESSORY USAGE GUIDELINES

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)}
Evaporator Freeze Thermostat	No	**Yes**	No
Accumulator	Standard (factory installed)	Standard (factory installed)	Standard (factory installed)
Support Feet, 4” (102mm) tall	**Yes**	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.

ACCESSORIES

Part Number	Description	Used On Model Size
NASA001FS	Evaporator Freeze Thermostat	ALL
NASA001LS	Liquid Line Solenoid Valve, HP, R−22 or R−410A	ALL
NASA001TD	Time Delay Relay, Indoor Blower	ALL
NASA001AC	Anti−Cycle Timer (5 minute delay)	ALL
NASA001SF	Support Feet, 4” (102mm) tall	ALL
NASA00106SS	Snow Stand Kit	ALL
AXWR01DFC	Fossil Fuel Kit	ALL
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 & HEATING PERFORMANCE FOR COMBINATION RATINGS
Indoor Models

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H336GHD H4H336GLD	‡FSU4X36****	†	TDR&TXV	33,800	0.76	10.60	13.00		35,400	3.54	22,200	2.48	7.8
	ED*4X36B**	*8MPV050	TDR&TXV	33,000	0.76	10.80	13.00		34,800	3.46	21,600	2.46	7.7
	ED*4X36B**	MV08B15**B*	TDR&TXV	33,800	0.76	11.50	14.00		34,400	3.64	21,200	2.60	7.9
	ED*4X36B**	†	TXV	33,400	0.76	10.80		13.00	35,000	3.50	21,800	2.48	7.7
	ED*4X36F**	*8MPV075	TDR&TXV	33,800	0.76	11.20	13.50		34,600	3.62	21,400	2.56	7.9
	ED*4X36F**	*9MPV050	TDR&TXV	33,400	0.76	10.80	13.20		35,000	3.52	21,600	2.50	7.7
	ED*4X36F**	*9MPV075	TDR&TXV	33,400	0.76	11.00	13.50		34,800	3.56	21,600	2.52	7.8
	ED*4X36F**	*9MVX040	TDR&TXV	33,400	0.76	10.80	13.20		34,800	3.52	21,600	2.50	7.7
	ED*4X36F**	*9MVX060	TDR&TXV	33,600	0.76	11.00	13.50		34,800	3.58	21,600	2.54	7.9
	ED*4X36F**	MV12F19**B*	TDR&TXV	34,000	0.76	12.00	14.50		34,200	3.70	21,000	2.62	8.0
	ED*4X36F**	†	TXV	33,600	0.76	10.70		13.00	35,200	3.54	22,000	2.50	7.8
	ED*4X36J**	*8MPV100	TDR&TXV	34,200	0.76	11.50	14.00		34,600	3.74	21,400	2.64	8.2
	ED*4X36J**	*8MPV125	TDR&TXV	34,200	0.76	11.50	14.00		34,400	3.74	21,400	2.64	8.2
	ED*4X36J**	*9MPV100	TDR&TXV	34,000	0.76	11.50	14.00		34,600	3.70	21,600	2.60	8.1
	ED*4X36J**	*9MVX080	TDR&TXV	34,200	0.76	11.20	13.50		34,600	3.70	21,600	2.62	8.1
	ED*4X36J**	MV16J22**B*	TDR&TXV	34,000	0.76	12.00	14.50		34,200	3.72	21,000	2.64	8.0
	ED*4X36J**	†	TXV	33,600	0.76	10.70		13.00	35,200	3.54	22,000	2.50	7.8
	ED*4X42F**	*8MPV075	TDR&TXV	34,000	0.76	11.50	14.00		34,400	3.66	21,600	2.60	8.1
	ED*4X42F**	*9MPV050	TDR&TXV	33,600	0.76	11.00	13.20		34,800	3.56	21,800	2.52	7.8
	ED*4X42F**	*9MPV075	TDR&TXV	33,800	0.76	11.20	13.50		34,600	3.60	21,600	2.54	7.9
	ED*4X42F**	*9MVX040	TDR&TXV	33,600	0.76	10.80	13.20		34,600	3.56	21,800	2.52	7.8
	ED*4X42F**	*9MVX060	TDR&TXV	34,000	0.76	11.20	13.50		34,600	3.62	21,600	2.56	8.0
	ED*4X42F**	MV12F19**B*	TDR&TXV	34,200	0.76	12.00	14.50		34,000	3.74	21,000	2.66	8.2
	ED*4X42F**	†	TXV	33,800	0.76	10.80		13.00	35,000	3.58	22,200	2.52	7.9
	ED*4X42J**	*8MPV100	TDR&TXV	34,600	0.76	11.50	14.00		34,400	3.76	21,600	2.66	8.2
	ED*4X42J**	*8MPV125	TDR&TXV	34,600	0.76	11.50	14.00		34,200	3.78	21,400	2.66	8.3
	ED*4X42J**	*9MPV100	TDR&TXV	34,400	0.76	11.50	14.00		34,400	3.72	21,600	2.62	8.2
	ED*4X42J**	*9MVX080	TDR&TXV	34,400	0.76	11.50	14.00		34,400	3.74	21,600	2.64	8.2
	ED*4X42J**	MV16J22**B*	TDR&TXV	34,200	0.76	12.00	14.50		34,000	3.76	21,000	2.66	8.2
	ED*4X42J**	†	TXV	33,800	0.76	10.80		13.00	35,000	3.58	22,200	2.52	7.9

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H336GHD H4H336GLD (continued)	ED*4X42L**	*9MPV125	TDR&TXV	34,400	0.76	11.50	14.00		34,400	3.76	21,400	2.66	8.2
	ED*4X42L**	MV20L24**B*	TDR&TXV	34,200	0.76	12.00	14.50		34,000	3.76	21,000	2.66	8.2
	ED*4X42L**	†	TXV	33,800	0.76	10.80		13.00	35,000	3.58	22,200	2.52	7.9
	EHD4X36A**	*8MPV050	TDR&TXV	34,000	0.76	11.00	13.20		34,600	3.58	21,800	2.54	7.9
	EHD4X36A**	*8MPV075	TDR&TXV	34,600	0.76	11.50	14.00		34,200	3.72	21,600	2.62	8.2
	EHD4X36A**	*8MPV100	TDR&TXV	34,800	0.76	11.50	14.00		34,200	3.80	21,600	2.68	8.3
	EHD4X36A**	*8MPV125	TDR&TXV	34,800	0.76	11.70	14.50		34,000	3.80	21,400	2.68	8.3
	EHD4X36A**	*9MPV050	TDR&TXV	34,000	0.76	11.20	13.50		34,600	3.62	21,800	2.56	7.9
	EHD4X36A**	*9MPV075	TDR&TXV	34,200	0.76	11.20	13.50		34,400	3.64	21,600	2.58	8.0
	EHD4X36A**	*9MPV100	TDR&TXV	34,800	0.76	11.50	14.00		34,200	3.76	21,600	2.64	8.2
	EHD4X36A**	*9MPV125	TDR&TXV	34,800	0.76	11.50	14.00		34,200	3.78	21,600	2.66	8.3
	EHD4X36A**	*9MVX040	TDR&TXV	34,000	0.76	11.00	13.50		34,600	3.60	21,800	2.54	7.9
	EHD4X36A**	*9MVX060	TDR&TXV	34,400	0.76	11.20	13.50		34,400	3.68	21,800	2.60	8.1
	EHD4X36A**	*9MVX080	TDR&TXV	34,800	0.76	11.50	14.00		34,200	3.78	21,800	2.66	8.3
	EHD4X36A**	*9MVX100	TDR&TXV	34,600	0.76	11.50	14.00		34,200	3.76	21,400	2.66	8.2
	EHD4X36A**	MV08B15**B*	TDR&TXV	34,600	0.76	12.00	14.50		34,000	3.78	21,200	2.66	8.2
	EHD4X36A**	MV12F19**B*	TDR&TXV	34,600	0.76	12.00	14.50		34,000	3.80	21,200	2.70	8.3
	EHD4X36A**	MV16J22**B*	TDR&TXV	34,600	0.76	12.00	14.50		33,800	3.82	21,200	2.70	8.3
	EHD4X36A**	MV20L24**B*	TDR&TXV	34,600	0.76	12.00	14.50		34,000	3.80	21,200	2.70	8.3
	EHD4X36A**	†	TXV	34,400	0.76	11.00		13.20	34,600	3.62	22,200	2.56	8.0
	EHD4X42A**	*8MPV050	TDR&TXV	34,200	0.76	11.20	13.50		34,200	3.60	21,800	2.56	8.0
	EHD4X42A**	*8MPV075	TDR&TXV	34,800	0.76	11.50	14.00		34,000	3.74	21,600	2.66	8.2
	EHD4X42A**	*8MPV100	TDR&TXV	35,200	0.76	11.50	14.00		33,800	3.82	21,600	2.70	8.4
	EHD4X42A**	*8MPV125	TDR&TXV	35,200	0.76	12.00	14.50		33,600	3.84	21,600	2.72	8.4
	EHD4X42A**	*9MPV050	TDR&TXV	34,400	0.76	11.20	13.50		34,200	3.64	21,800	2.58	8.0
	EHD4X42A**	*9MPV075	TDR&TXV	34,400	0.76	11.20	13.50		34,000	3.68	21,800	2.60	8.1
	EHD4X42A**	*9MPV100	TDR&TXV	35,000	0.76	11.50	14.00		33,800	3.78	21,800	2.68	8.3
	EHD4X42A**	*9MPV125	TDR&TXV	35,000	0.76	11.50	14.00		33,800	3.80	21,600	2.70	8.4
	EHD4X42A**	*9MVX040	TDR&TXV	34,400	0.76	11.00	13.50		34,200	3.62	21,800	2.56	8.0
	EHD4X42A**	*9MVX060	TDR&TXV	34,600	0.76	11.20	13.50		34,000	3.70	21,800	2.62	8.1

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H336GHD H4H336GLD (continued)	EHD4X42A**	*9MVX080	TDR&TXV	35,200	0.76	11.50	14.00		33,800	3.80	21,800	2.68	8.3
	EHD4X42A**	*9MVX100	TDR&TXV	35,000	0.76	11.50	14.50		33,800	3.78	21,600	2.68	8.3
	EHD4X42A**	MV08B15**B*	TDR&TXV	34,800	0.76	12.00	14.50		33,600	3.80	21,200	2.68	8.3
	EHD4X42A**	MV12F19**B*	TDR&TXV	35,000	0.76	12.00	14.50		33,600	3.82	21,200	2.72	8.3
	EHD4X42A**	MV16J22**B*	TDR&TXV	35,000	0.76	12.00	15.00		33,600	3.84	21,200	2.72	8.3
	EHD4X42A**	MV20L24**B*	TDR&TXV	35,000	0.76	12.00	15.00		33,600	3.82	21,200	2.72	8.3
	EHD4X42A**	†	TXV	34,600	0.76	11.00		13.20	34,200	3.64	22,200	2.58	8.0
	EMA4X36D**	†	TXV	33,600	0.76	10.70		13.00	35,400	3.54	22,000	2.50	7.8
	FEM4X36****	†	TDR&TXV	34,800	0.76	11.50	14.00		33,800	3.72	21,800	2.64	8.2
	FEM4X42****	†	TDR&TXV	34,800	0.76	11.50	14.00		33,800	3.70	21,800	2.64	8.2
	FS(M,U)4X42****	†	TDR&TXV	34,200	0.76	10.80	13.00		34,200	3.54	22,200	2.52	7.9
	FSA4X36**A*	†	TDR&TXV	33,600	0.76	10.80	13.00		34,800	3.52	21,800	2.50	7.8
	FSM4X36****	†	TDR&TXV	34,200	0.76	10.80	13.00		34,200	3.56	22,200	2.54	7.9
	FVM4X24****	†	TDR&TXV	33,600	0.76	11.50	14.00		34,800	3.66	21,200	2.58	8.0
	FVM4X36****	†	TDR&TXV	34,000	0.76	11.70	14.50		34,400	3.70	21,000	2.62	8.1
H4H342GHD H4H342GLD	‡FS(M,U)4X42****	†	TDR&TXV	40,500	0.76	10.50	13.00		42,000	3.54	26,400	2.46	8.1
	ED*4X42F**	*8MPV075	TDR&TXV	40,000	0.76	11.00	13.20		41,500	3.48	25,600	2.48	8.0
	ED*4X42F**	*9MPV075	TDR&TXV	39,500	0.76	10.50	13.00		42,000	3.40	25,800	2.44	7.7
	ED*4X42F**	*9MVX060	TDR&TXV	40,000	0.76	10.80	13.00		42,000	3.44	25,800	2.46	7.9
	ED*4X42F**	MV12F19**B*	TDR&TXV	40,500	0.76	11.50	14.00		41,000	3.56	25,200	2.56	7.9
	ED*4X42F**	†	TXV	40,000	0.76	10.50		13.00	42,000	3.48	26,200	2.46	8.0
	ED*4X42J**	*8MPV100	TDR&TXV	41,000	0.76	11.15	13.50		42,000	3.62	26,000	2.52	8.3
	ED*4X42J**	*8MPV125	TDR&TXV	41,000	0.76	11.20	13.50		42,000	3.62	25,800	2.54	8.3
	ED*4X42J**	*9MPV100	TDR&TXV	40,500	0.76	11.00	13.50		42,000	3.54	25,800	2.50	8.1
	ED*4X42J**	*9MVX080	TDR&TXV	40,500	0.76	11.00	13.50		42,000	3.56	25,600	2.52	8.1
	ED*4X42J**	MV16J22**B*	TDR&TXV	40,500	0.76	11.50	14.00		41,000	3.58	25,000	2.56	7.9
	ED*4X42J**	†	TXV	40,000	0.76	10.50		13.00	42,000	3.50	26,200	2.46	8.0
	ED*4X42L**	*9MPV125	TDR&TXV	40,500	0.76	11.20	13.50		42,000	3.58	25,600	2.54	8.3
	ED*4X42L**	*9MVX100	TDR&TXV	40,000	0.76	11.20	13.50		41,500	3.54	25,400	2.52	8.1
	ED*4X42L**	MV20L24**B*	TDR&TXV	40,500	0.76	11.50	14.00		41,000	3.60	25,000	2.58	8.2

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H342GHD H4H342GLD (continued)	ED*4X42L**	†	TXV	40,000	0.76	10.50		13.00	42,000	3.50	26,200	2.46	7.9
	ED*4X48F**	*8MPV075	TDR&TXV	41,500	0.76	11.00	13.50		41,000	3.62	26,200	2.54	8.4
	ED*4X48F**	*9MPV075	TDR&TXV	41,000	0.76	11.00	13.50		41,000	3.56	26,000	2.52	8.1
	ED*4X48F**	*9MVX060	TDR&TXV	41,000	0.76	11.00	13.50		41,000	3.58	26,200	2.52	8.2
	ED*4X48F**	MV12F19**B*	TDR&TXV	41,500	0.76	11.50	14.50		40,500	3.74	25,400	2.62	8.5
	ED*4X48F**	†	TXV	41,500	0.76	10.80		13.00	41,000	3.60	26,600	2.54	8.3
	ED*4X48J**	*8MPV100	TDR&TXV	41,500	0.76	11.20	13.50		41,500	3.72	26,200	2.58	8.5
	ED*4X48J**	*8MPV125	TDR&TXV	41,500	0.76	11.20	13.50		41,500	3.74	26,000	2.60	8.6
	ED*4X48J**	*9MPV100	TDR&TXV	41,000	0.76	11.20	13.50		41,500	3.66	26,000	2.56	8.4
	ED*4X48J**	*9MVX080	TDR&TXV	41,000	0.76	11.20	13.50		41,500	3.68	25,800	2.58	8.4
	ED*4X48J**	MV16J22**B*	TDR&TXV	41,000	0.76	12.00	14.50		41,000	3.74	25,200	2.62	8.5
	ED*4X48J**	†	TXV	41,000	0.76	10.80		13.00	42,000	3.60	26,400	2.52	8.3
	ED*4X48L**	*9MPV125	TDR&TXV	41,500	0.76	11.20	13.50		41,500	3.70	25,800	2.58	8.5
	ED*4X48L**	*9MVX100	TDR&TXV	41,000	0.76	11.50	14.00		41,000	3.68	25,600	2.58	8.3
	ED*4X48L**	MV20L24**B*	TDR&TXV	41,000	0.76	12.00	14.50		41,000	3.76	25,200	2.62	8.5
	ED*4X48L**	†	TXV	41,000	0.76	10.80		13.00	42,000	3.60	26,400	2.52	8.3
	EHD4X42A**	*8MPV075	TDR&TXV	41,000	0.76	11.00	13.50		42,000	3.66	26,200	2.52	8.4
	EHD4X42A**	*8MPV100	TDR&TXV	41,000	0.76	11.20	13.50		42,000	3.74	26,200	2.58	8.5
	EHD4X42A**	*8MPV125	TDR&TXV	41,000	0.76	11.50	14.00		42,000	3.76	26,000	2.58	8.6
	EHD4X42A**	*9MPV075	TDR&TXV	40,500	0.76	11.00	13.50		42,000	3.58	26,000	2.50	8.2
	EHD4X42A**	*9MPV100	TDR&TXV	40,500	0.76	11.20	13.50		42,000	3.68	26,000	2.54	8.4
	EHD4X42A**	*9MPV125	TDR&TXV	40,500	0.76	11.20	13.50		42,000	3.72	25,800	2.58	8.5
	EHD4X42A**	*9MVX060	TDR&TXV	41,000	0.76	11.00	13.50		42,000	3.60	26,000	2.52	8.2
	EHD4X42A**	*9MVX080	TDR&TXV	41,500	0.76	11.20	13.50		42,000	3.70	25,800	2.56	8.4
	EHD4X42A**	*9MVX100	TDR&TXV	41,000	0.76	11.50	14.00		42,000	3.68	25,600	2.56	8.3
	EHD4X42A**	MV12F19**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.74	25,400	2.60	8.4
	EHD4X42A**	MV16J22**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.76	25,200	2.62	8.5
	EHD4X42A**	MV20L24**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.76	25,200	2.62	8.5
	EHD4X42A**	†	TXV	40,000	0.76	10.80		13.00	42,000	3.64	26,400	2.52	8.3
	EHD4X48A**	*8MPV075	TDR&TXV	41,500	0.76	11.20	13.50		41,500	3.68	26,200	2.54	8.4

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H342GHD H4H342GLD (continued)	EHD4X48A**	*8MPV100	TDR&TXV	41,500	0.76	11.20	13.50		41,500	3.76	26,200	2.58	8.6
	EHD4X48A**	*8MPV125	TDR&TXV	41,500	0.76	11.50	14.00		41,500	3.80	26,000	2.60	8.5
	EHD4X48A**	*9MPV075	TDR&TXV	41,000	0.76	11.00	13.50		41,500	3.62	26,000	2.52	8.3
	EHD4X48A**	*9MPV100	TDR&TXV	41,000	0.76	11.20	13.50		41,500	3.72	26,000	2.56	8.5
	EHD4X48A**	*9MPV125	TDR&TXV	41,500	0.76	11.50	14.00		41,500	3.76	26,000	2.58	8.5
	EHD4X48A**	*9MVX060	TDR&TXV	41,000	0.76	11.00	13.50		42,000	3.64	26,000	2.52	8.2
	EHD4X48A**	*9MVX080	TDR&TXV	41,500	0.76	11.20	14.00		42,000	3.74	25,800	2.58	8.4
	EHD4X48A**	*9MVX100	TDR&TXV	41,500	0.76	11.50	14.00		42,000	3.72	25,600	2.58	8.4
	EHD4X48A**	MV12F19**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.78	25,400	2.62	8.5
	EHD4X48A**	MV16J22**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.80	25,200	2.64	8.5
	EHD4X48A**	MV20L24**B*	TDR&TXV	41,500	0.76	12.00	14.50		41,500	3.78	25,200	2.64	8.5
	EHD4X48A**	†	TXV	41,000	0.76	10.80		13.00	42,000	3.66	26,400	2.52	8.4
	EMA4X48D**	†	TXV	40,500	0.76	10.80		13.00	42,000	3.58	26,400	2.50	8.2
	FEM4X42****	†	TDR&TXV	41,500	0.76	11.00	14.00		42,000	3.68	25,800	2.56	8.4
	FEM4X48****	†	TDR&TXV	42,000	0.76	12.00	14.50		40,000	3.74	25,800	2.64	8.5
	FS(M,U)4X48****	†	TDR&TXV	41,500	0.76	10.80	13.20		41,000	3.54	26,600	2.50	8.2
	FSM4X36****	†	TDR&TXV	41,000	0.76	10.80	13.00		42,000	3.56	26,400	2.48	8.2
	FVM4X48****	†	TDR&TXV	41,500	0.76	12.00	14.50		40,500	3.70	25,200	2.62	8.4
	FVM4X60****	†	TDR&TXV	42,000	0.76	12.00	15.00		39,000	3.74	25,400	2.66	8.5
H4H348GHD H4H348GLD	‡FS(M,U)4X48****	†	TDR&TXV	47,500	0.74	11.00	13.00		48,000	3.58	30,200	2.54	8.0
	ED*4X48F**	†	TXV	46,500	0.74	11.00		13.00	48,000	3.62	29,800	2.56	8.0
	ED*4X48J**	*8MPV100	TDR&TXV	47,000	0.74	12.00	14.00		48,000	3.68	29,400	2.62	8.0
	ED*4X48J**	*8MPV125	TDR&TXV	47,000	0.74	12.00	14.00		48,000	3.70	29,400	2.62	8.0
	ED*4X48J**	*9MPV100	TDR&TXV	46,500	0.74	11.50	13.50		48,000	3.64	29,600	2.58	8.0
	ED*4X48J**	*9MVX080	TDR&TXV	46,500	0.74	11.50	13.50		48,000	3.64	29,600	2.58	8.0
	ED*4X48J**	MV16J22**B*	TDR&TXV	47,000	0.74	12.00	14.50		47,500	3.74	28,800	2.66	8.2
	ED*4X48J**	†	TXV	47,000	0.74	11.00		13.00	48,000	3.64	30,000	2.56	8.0
	ED*4X48L**	*9MPV125	TDR&TXV	46,500	0.74	12.00	14.00		48,000	3.66	29,400	2.60	8.0
	ED*4X48L**	*9MVX100	TDR&TXV	46,500	0.74	11.20	13.50		48,000	3.64	29,400	2.60	8.0
	ED*4X48L**	MV20L24**B*	TDR&TXV	47,000	0.74	12.00	14.50		47,500	3.74	28,800	2.66	8.2

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H348GHD H4H348GLD (continued)	ED*4X48L**	†	TXV	47,000	0.74	11.00		13.00	48,000	3.64	30,000	2.56	8.0
	ED*4X60J**	*8MPV100	TDR&TXV	48,000	0.74	12.00	14.50		46,000	3.68	29,600	2.66	8.2
	ED*4X60J**	*8MPV125	TDR&TXV	48,000	0.74	12.00	14.50		46,000	3.70	29,400	2.68	8.2
	ED*4X60J**	*9MPV100	TDR&TXV	48,000	0.74	12.00	14.00		46,500	3.64	29,800	2.62	8.0
	ED*4X60J**	*9MVX080	TDR&TXV	48,000	0.74	11.50	14.00		46,500	3.64	29,800	2.62	8.1
	ED*4X60J**	MV16J22**B*	TDR&TXV	48,000	0.74	12.50	15.00		46,000	3.74	29,000	2.70	8.3
	ED*4X60J**	†	TXV	48,000	0.74	11.50		13.50	45,500	3.56	30,200	2.60	8.0
	ED*4X60L**	*9MPV125	TDR&TXV	48,000	0.74	12.00	14.00		46,500	3.64	29,600	2.64	8.0
	ED*4X60L**	*9MVX100	TDR&TXV	48,000	0.74	11.50	14.00		46,500	3.64	29,400	2.62	8.1
	ED*4X60L**	MV20L24**B*	TDR&TXV	48,000	0.74	12.50	15.00		46,000	3.74	29,000	2.70	8.2
	ED*4X60L**	†	TXV	48,000	0.74	11.50		13.50	45,500	3.56	30,200	2.60	8.0
	EHD4X48A**	*8MPV100	TDR&TXV	47,500	0.74	12.00	14.00		48,000	3.72	29,400	2.62	8.0
	EHD4X48A**	*8MPV125	TDR&TXV	47,500	0.74	12.00	14.00		48,000	3.74	29,400	2.64	8.2
	EHD4X48A**	*9MPV100	TDR&TXV	47,000	0.74	11.50	13.50		48,000	3.66	29,600	2.58	8.0
	EHD4X48A**	*9MPV125	TDR&TXV	47,000	0.74	12.00	14.00		48,000	3.68	29,600	2.60	8.0
	EHD4X48A**	*9MVX080	TDR&TXV	47,000	0.74	11.20	13.50		48,000	3.68	29,600	2.60	8.1
	EHD4X48A**	*9MVX100	TDR&TXV	47,000	0.74	11.50	14.00		48,000	3.66	29,400	2.60	8.1
	EHD4X48A**	MV16J22**B*	TDR&TXV	47,500	0.74	12.00	14.50		48,000	3.78	29,000	2.68	8.2
	EHD4X48A**	MV20L24**B*	TDR&TXV	47,500	0.74	12.00	14.50		48,000	3.78	29,000	2.68	8.2
	EHD4X48A**	†	TXV	47,500	0.74	11.00		13.00	48,000	3.70	30,000	2.58	8.0
	EHD4X60A**	*8MPV100	TDR&TXV	48,000	0.74	12.00	14.50		47,500	3.78	29,600	2.68	8.2
	EHD4X60A**	*8MPV125	TDR&TXV	48,000	0.74	12.00	14.50		47,500	3.78	29,400	2.68	8.2
	EHD4X60A**	*9MPV100	TDR&TXV	48,000	0.74	12.00	14.00		47,500	3.72	29,800	2.64	8.2
	EHD4X60A**	*9MPV125	TDR&TXV	48,000	0.74	12.00	14.00		47,500	3.74	29,600	2.66	8.2
	EHD4X60A**	*9MVX080	TDR&TXV	48,000	0.74	11.50	14.00		47,500	3.72	29,800	2.64	8.2
	EHD4X60A**	*9MVX100	TDR&TXV	48,000	0.74	11.50	14.00		47,500	3.72	29,600	2.64	8.2
	EHD4X60A**	MV16J22**B*	TDR&TXV	48,000	0.74	12.50	15.00		47,000	3.82	29,000	2.72	8.3
	EHD4X60A**	MV20L24**B*	TDR&TXV	48,000	0.74	12.50	15.00		47,000	3.82	29,000	2.72	8.3
	EHD4X60A**	†	TXV	48,000	0.74	11.50		13.50	48,000	3.68	30,200	2.62	8.2
	EMA4X48D**	†	TXV	46,000	0.74	11.00		13.00	48,000	3.46	29,600	2.52	7.7

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

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

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Specifications subject to change without notice.

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

Outdoor Model	Current Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool 95° F (35° C)			SEER		Heat 47° F (8.3° C)		Heat 17° F (−8.3° F)		HSPF
				BTU/hr	S / T	EER	Factory	With Field TDR	BTU/hr	COP	BTU/hr	COP	
H4H348GHD H4H348GLD (continued)	FEM4X48****	†	TDR&TXV	48,000	0.74	12.00	14.00		47,500	3.72	29,600	2.64	8.2
	FEM4X60****	†	TDR&TXV	48,000	0.74	12.00	14.50		46,000	3.76	29,600	2.72	8.2
	FS(M,U)4X60****	†	TDR&TXV	48,000	0.74	11.50	13.50		46,500	3.60	30,400	2.60	8.0
	FVM4X48****	†	TDR&TXV	47,500	0.74	12.00	14.50		47,000	3.72	29,000	2.66	8.2
	FVM4X60****	†	TDR&TXV	48,000	0.74	12.00	15.00		46,500	3.82	29,000	2.72	8.2
H4H360GHD H4H360GLD	‡FS(M,U)4X60****	†	TDR&TXV	58,500	0.75	10.80	13.00		58,000	3.52	37,000	2.50	7.7
	ED*4X60J**	*8MPV125	TDR&TXV	58,500	0.75	11.00	13.20		57,500	3.56	36,600	2.54	7.7
	ED*4X60J**	MV16J22**B*	TDR&TXV	59,000	0.75	11.00	13.50		57,000	3.62	36,000	2.58	7.8
	ED*4X60J**	†	TXV	58,000	0.75	10.80		13.00	57,500	3.52	36,600	2.50	7.7
	ED*4X60L**	MV20L24**B*	TDR&TXV	59,000	0.75	11.00	13.50		57,000	3.62	36,000	2.58	7.8
	ED*4X60L**	†	TXV	58,000	0.75	10.80		13.00	57,500	3.52	36,600	2.50	7.7
	EHD4X60A**	*8MPV125	TDR&TXV	58,500	0.75	11.00	13.20		58,500	3.62	36,600	2.54	7.7
	EHD4X60A**	MV16J22**B*	TDR&TXV	59,000	0.75	11.50	13.50		57,500	3.68	36,000	2.60	7.9
	EHD4X60A**	MV20L24**B*	TDR&TXV	59,000	0.75	11.50	13.50		57,500	3.68	36,000	2.60	7.9
	EHD4X60A**	†	TXV	58,500	0.75	10.80		13.00	58,000	3.56	36,600	2.52	7.7
	FEM4X60****	†	TDR&TXV	59,000	0.75	11.20	13.50		57,000	3.66	36,200	2.58	7.7
	FVM4X60****	†	TDR&TXV	59,500	0.75	11.50	14.00		57,000	3.68	36,000	2.60	8.0

ENERGY STAR (Light Commercial) compliance for combinations with both: SEER 13.00 or higher and HSPF 7.7 or higher.

† 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 (3−phase)

Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	**H**	**4**	**H**	**3**	**36**	**G**	**H**	**D**	**1**	**0**	**0**

Product Family

REFRIGERANT
- 2 = R−22
- 4 = R−410A

TYPE
- A = Air Conditioner
- H = Heat Pump

NOMINAL EFFICIENCY
- 3 = 13 SEER
- 4 = 14 SEER

NOMINAL CAPACITY
- 36 = 36,000 BTUH = 3 tons
- 42 = 42,000 BTUH = 3½ tons
- 48 = 48,000 BTUH = 4 tons
- 60 = 60,000 BTUH = 5 tons

FEATURES
- A = Standard Grille
- G = Coil Guard Grille

VOLTAGE
- H = 208/230−3−60
- L = 460−3−60

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**	**0 1**	**01**	**C H**

BRANDING
- N = Non−Branded

PRODUCT GROUP
- A = Accessory

KIT USAGE
- S = Split System (AC & HP)

MAJOR SERIES
- A = Original
- B = 2nd Generation

REFRIGERANT
- 0 = Generic or Not Applicable
- 2 = R−22
- 4 = R−410A

Product Identifier Number

Package Quantity

Type of Kit
(Example: CH = Crankcase Heater)