ICP COMMERCIAL™

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
- Low ambient cooling feature allows safe cooling mode operation down to 0° F outdoor ambient*
- Copper tube / aluminum fin coil

PERFORMANCE

- 2–speed Fan Motors factory wired on all models
- Compressor Sound Jacket standard

EASY TO INSTALL AND SERVICE

- Comfort Alert™ Diagnostics device on all models*
- Easy Access service valves on all models
- Compressor access panel
- New, 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" spacing for extra protection
- Corner Posts for extra strength and style
- 5 year limited compressor, 1 year limited parts warranties

ARI PERFORMANCE CERTIFIED™
ARI Standard 210/240
Unitary Heat Pumps

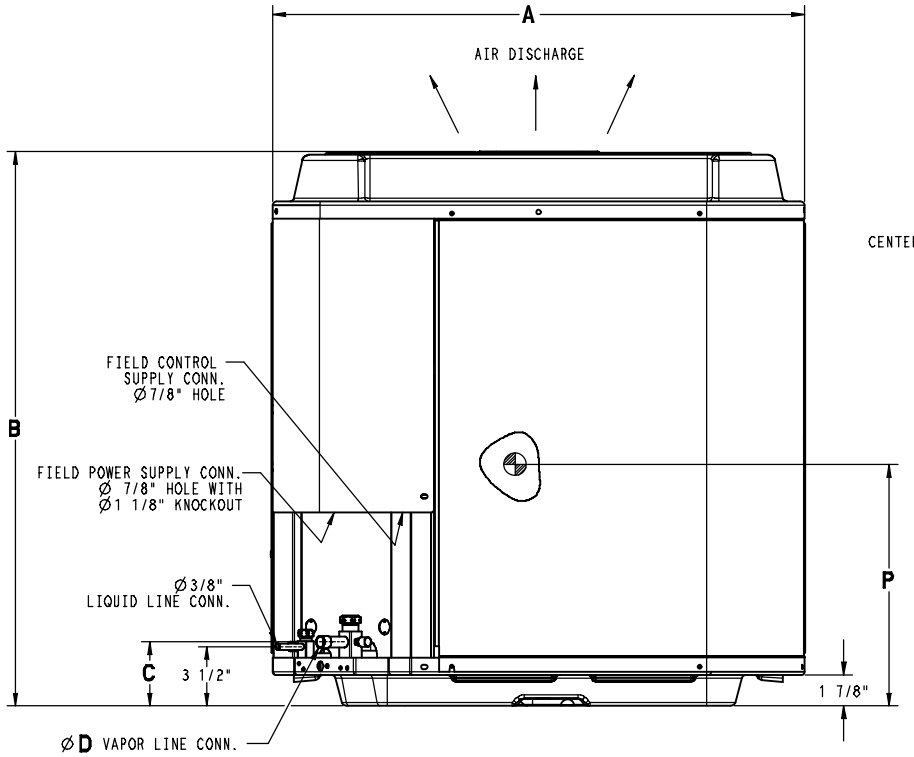
Rated in accordance with ARI Standard 240. Certification applies only when used with proper components as listed with ARI.

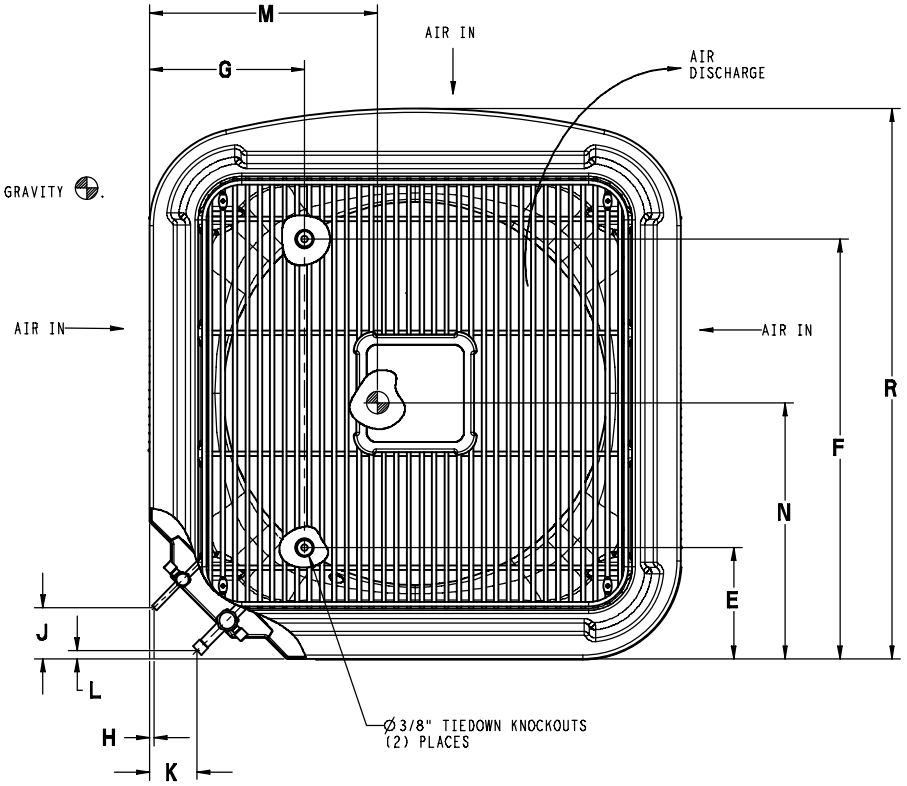
c UL us LISTED

Model Number	Voltage	Size (tons)	Nominal Btu/hr	Min. Circuit Ampacity	Max. Fuse or Breaker	Operating Dim's h x w x d (in)	Ship / Operating Weight (lbs)
H4H336GHB	208/230	3	36,000	16.48	25	29 15/16 × 35 × 36 9/16	279 / 251
H4H336GLB	460			7.81	15		
H4H342GHB	208/230	3½	42,000	18.10	30	33 5/16 × 35 × 36 9/16	289 / 260
H4H342GLB	460			8.23	15		
H4H348GHB	208/230	4	48,000	18.65	30	36¾ × 35 × 36 9/16	306 / 276
H4H348GLB	460			8.37	15		
H4H360GHB	208/230	5	60,000	22.90	40	43½ × 35 × 36 9/16	328 / 295
H4H360GLB	460			10.30	15		

*NOTE: Previous GHA/GLA models do not feature the Comfort Alert™ Diagnostics device or low ambient control.

Specifications subject to change without notice.





Model * = H or L	All Dimensions Inches																
	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	Minimum Mounting Pad Size	Crated Dimensions B(h) x A(w) x R(d)
H4H336G*B	35	29 15/16	3 3/4	3/4	6 9/16	28 7/16	9 1/8	1 1/8	3 13/16	2 13/16	1/2	16	19	14 3/4	36 9/16	35 × 36 1/2	35 15/16 × 39 5/16 × 36 1/8
H4H342G*B	35	33 5/16	3 7/8	7/8	6 9/16	28 7/16	9 1/8	1 1/8	3 13/16	2 15/16	5/8	17 1/2	16 1/2	16	36 9/16	35 × 36 1/2	39 3/8× 39 5/16 × 36 1/8
H4H348G*B	35	36 3/4	3 7/8	7/8	6 9/16	28 7/16	9 1/8	1 1/8	3 13/16	2 15/16	5/8	18	16 1/2	16 1/2	36 9/16	35 × 36 1/2	42 3/4 × 39 5/16 × 36 1/8
H4H360G*B	35	43 1/2	3 7/8	7/8	6 9/16	28 7/16	9 1/8	1 1/8	3 13/16	2 15/16	5/8	17 1/4	16 1/2	19	36 9/16	35 × 36 1/2	49 9/16 × 39 5/16 × 36 1/8

PHYSICAL DATA								
Model Size	**36GH**	**36GL**	**42GH**	**42GL**	**48GH**	**48GL**	**60GH**	**60GL**
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, High Spd Fan (dBA) Low Spd Fan (dBA)	76 74		74 73		74 72		74 74	
PSC Fan Motor HP	1/5		1/5		1/4		1/4	
Fan RPM High Fan RPM Low	825 750		825 750		825 750		825 750	
Fan CFM (High)	3265		3265		3673		3673	
Coil Face Area (ft^2)	14.23		16.26		30.6		37.4	
Coil Rows – fins per inch	2–20		2–20		2–20		2–20	
Low Pressure Switch Open Pressure Close Pressure	23 ± 5 PSIG 55 ± 5 PSIG		23 ± 5 PSIG 55 ± 5 PSIG		23 ± 5 PSIG 55 ± 5 PSIGG		23 ± 5 PSIG 55 ± 5 PSIG	
High Pressure Switch Open Pressure Close Pressure	670±° PSIG 470±25 PSIG		670±° PSIG 470±25 PSIG		670±° PSIG 470±25 PSIG		670±° PSIG 470±25 PSIG	
Liquid Line Connection Size (in.)	3/8		3/8		3/8		3/8	
Vapor Line Connection Size (in.)	3/4		7/8		7/8		7/8	
Recommended Line Set Liquid Tube Diameter (in.)	3/8		3/8		3/8		3/8	
Recommended Line Set Vapor Tube Diameter (in.) *	3/4 *		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.)	7.72		8.07		10.85		12.38	
Required Subcooling (˚F)	12		11		13		11	

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)	16.48	7.81	18.10	8.23	18.65	8.37	22.90	10.30
Maximum OverCurrent Protective device – **MOCP** (amps)	25	15	30	15	30	15	40	15
Compressor **RLA** (Rated Load Amps) **LRA** (Locked Rotor Amps)	12.3 88.0	5.8 38.0	13.6 83.1	6.1 41.0	13.8 83.1	6.2 41.0	17.2 110.0	7.8 52.0
Fan Motor **FLA** (Full Load Amps)	1.1	0.6	1.1	0.6	1.4	0.6	1.4	0.6

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.)										
			Standard Application			Long Line Application (Requires Accessories)							
			25’	50’	80’	81’	100’	125’	150’	175’	200’	225’	250’
36	3/8	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
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
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.

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)	REQUIRED FOR LONG–LINE APPLICATIONS* (Over 80 Ft.)
Evaporator Freeze Thermostat	No	**Yes**	No
Accumulator	Standard (factory installed)	Standard (factory installed)	Standard (factory installed)
Support Feet, 4” tall	**Yes**	Recommended	No
Liquid Line Solenoid Valve	No	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.

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” 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	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 ˚F)			SEER				Heat (47 ˚F)		Heat (17 ˚F)		HSPF
				BTU/hr	S / T	EER	factory	with field TDR	with field R–410A TXV	with field R–410A TXV+TDR	BTU/hr	COP	BTU/hr	COP	
H4H336GHB H4H336GLB	‡FS(M,U)4X42****	†	TDR&TXV	36,000	0.74	10.8	13.00				36,000	3.44	24,400	2.44	8.0
	ED*4X36B**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.26	23,800	2.38	7.7
	ED*4X36B**	MV08B15****	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.34	23,400	2.46	7.7
	ED*4X36F**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.32	24,200	2.40	7.7
	ED*4X36F**	*8MPV075	TDR&TXV	36,000	0.74	11.00	13.20				36,000	3.38	23,600	2.46	7.7
	ED*4X36F**	*9MPV050	TDR&TXV	36,000	0.74	10.80	13.00				36,000	3.24	23,600	2.38	7.5
	ED*4X36F**	*9MPV075	TDR&TXV	36,000	0.74	10.80	13.00				36,000	3.32	23,800	2.42	7.7
	ED*4X36F**	MV12F19****	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.42	23,400	2.50	7.8
	ED*4X36J**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.32	24,200	2.40	7.7
	ED*4X36J**	*8MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.42	23,400	2.50	7.8
	ED*4X36J**	*8MPV125	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.44	23,200	2.50	7.9
	ED*4X36J**	*9MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.40	23,600	2.48	7.8
	ED*4X36J**	MV16J22****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.40	23,000	2.50	7.8
	ED*4X42J**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.36	24,200	2.42	7.7
	ED*4X42J**	*8MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.48	23,400	2.52	7.9
	ED*4X42J**	*8MPV125	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.48	23,400	2.52	7.9
	ED*4X42J**	*9MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.46	23,600	2.50	7.9
	ED*4X42J**	MV16J22****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.46	23,000	2.54	7.9
	ED*4X42L**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.36	24,200	2.42	7.7
	ED*4X42L**	*9MPV125	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.52	23,600	2.54	8.0
	EHD4X36A**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.48	24,200	2.46	7.9
	EHD4X36A**	*8MPV075	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.48	23,600	2.52	7.9
	EHD4X36A**	*8MPV100	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.52	23,600	2.54	8.0
	EHD4X36A**	*8MPV125	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.54	23,400	2.54	8.0
	EHD4X36A**	*9MPV075	TDR&TXV	36,000	0.74	11.00	13.20				36,000	3.48	24,000	2.48	7.9
	EHD4X36A**	*9MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.52	23,600	2.52	8.0
	EHD4X36A**	*9MPV125	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.58	23,600	2.54	8.1
	EHD4X36A**	MV08B15****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.54	23,600	2.54	8.0
	EHD4X36A**	MV12F19****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.60	23,600	2.56	8.0
	EHD4X42A**	†	TXV	36,000	0.74	11.00		13.20			36,000	3.54	24,400	2.48	8.0
	EHD4X42A**	*8MPV075	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.56	23,600	2.54	8.0
	^EHD4X42A**	*8MPV100	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.62	23,600	2.56	8.2
	^EHD4X42A**	*8MPV125	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.62	23,400	2.58	8.2
	EHD4X42A**	*9MPV075	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.54	24,000	2.50	8.0
	EHD4X42A**	*9MPV100	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.60	23,800	2.54	8.0

^ Indicates ENERGY STAR compliance for combinations with all three: SEER 14.0 or higher and EER 11.5 or higher and HSPF 8.2 or higher.
† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

– continued on next page –

Specifications subject to change without notice.

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 ˚F)			SEER				Heat (47 ˚F)		Heat (17 ˚F)		HSPF
				BTU/hr	S / T	EER	factory	with field TDR	with field R–410A TXV	with field R–410A TXV+TDR	BTU/hr	COP	BTU/hr	COP	
H4H336GHB H4H336GLB (continued)	^EHD4X42A**	*9MPV125	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.66	23,800	2.58	8.2
	^EHD4X42A**	MV08B15****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.62	23,600	2.56	8.2
	^EHD4X42A**	MV12F19****	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.68	23,600	2.58	8.2
	EMA4X36D**	†	TXV	36,000	0.74	10.80		13.00			36,000	3.30	24,000	2.40	7.7
	FEM4X36****	†	TDR&TXV	36,000	0.74	11.20	13.50				36,000	3.58	23,600	2.54	8.0
	^FEM4X42****	†	TDR&TXV	36,000	0.74	11.50	14.00				36,000	3.60	23,600	2.56	8.2
	FSA2X36****	†	TDR&TXV	36,000	0.74	10.70			13.00		36,000	3.28	23,800	2.40	7.7
	FSM4X36****	†	TDR&TXV	36,000	0.74	11.00	13.00				36,000	3.46	24,200	2.44	7.9
	FSU4X36****	†	TDR&TXV	36,000	0.74	10.60	13.00				36,000	3.30	24,200	2.40	7.7
	FVM4X36****	†	TDR&TXV	35,800	0.74	11.50	14.00				35,800	3.38	23,000	2.48	7.7
	^FVM4X48****	†	TDR&TXV	37,400	0.74	12.00	14.00				36,000	3.62	23,200	2.58	8.2
H4H342GHB H4H342GLB	‡FS(M,U)4X42****	†	TDR&TXV	41,500	0.73	10.8	13.00				42,000	3.48	28,600	2.56	8.1
	ED*4X42J**	†	TXV	41,000	0.73	10.80		13.00			42,000	3.40	28,400	2.56	8.0
	ED*4X42J**	*8MPV100	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.46	27,600	2.62	8.1
	ED*4X42J**	*8MPV125	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.48	27,400	2.64	8.2
	ED*4X42J**	*9MPV100	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.44	28,000	2.60	8.1
	^ED*4X42J**	MV16J22****	TDR&TXV	41,500	0.73	11.50	14.00				42,000	3.52	27,200	2.68	8.3
	ED*4X42L**	†	TXV	41,000	0.73	10.80		13.00			42,000	3.40	28,400	2.56	8.0
	ED*4X42L**	*9MPV125	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.50	27,800	2.64	8.2
	ED*4X48F**	†	TXV	42,000	0.73	11.00		13.20			42,000	3.62	28,600	2.64	8.5
	ED*4X48F**	*8MPV075	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.62	28,400	2.66	8.5
	ED*4X48F**	*9MPV075	TDR&TXV	42,000	0.73	11.00	13.20				42,000	3.54	28,200	2.62	8.3
	ED*4X48J**	†	TXV	42,000	0.73	11.00		13.20			42,000	3.58	28,600	2.62	8.4
	^ED*4X48J**	*8MPV100	TDR&TXV	42,000	0.73	11.50	14.00				42,000	3.66	27,800	2.70	8.5
	^ED*4X48J**	*8MPV125	TDR&TXV	42,000	0.73	11.50	14.00				42,000	3.66	27,600	2.70	8.5
	ED*4X48J**	*9MPV100	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.62	28,200	2.66	8.5
	ED*4X48L**	†	TXV	42,000	0.73	11.00		13.20			42,000	3.58	28,600	2.62	8.4
	ED*4X48L**	*9MPV125	TDR&TXV	42,000	0.73	11.50	13.50				42,000	3.68	28,000	2.70	8.6
	EHD4X42A**	†	TXV	41,000	0.73	11.00		13.20			42,000	3.60	28,600	2.62	8.4
	EHD4X42A**	*8MPV075	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.58	28,000	2.64	8.3
	^EHD4X42A**	*8MPV100	TDR&TXV	41,500	0.73	11.50	14.00				42,000	3.64	27,800	2.70	8.5
	^EHD4X42A**	*8MPV125	TDR&TXV	41,500	0.73	11.50	14.00				42,000	3.64	27,800	2.70	8.5
	EHD4X42A**	*9MPV075	TDR&TXV	41,500	0.73	11.00	13.20				42,000	3.50	28,200	2.60	8.2
	EHD4X42A**	*9MPV100	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.62	28,200	2.66	8.4
	EHD4X42A**	*9MPV125	TDR&TXV	41,500	0.73	11.20	13.50				42,000	3.66	28,000	2.68	8.5

^ Indicates ENERGY STAR compliance for combinations with all three: SEER 14.0 or higher and EER 11.5 or higher and HSPF 8.2 or higher.
† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

– continued on next page –

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 ˚F)			SEER				Heat (47 ˚F)		Heat (17 ˚F)		HSPF
				BTU/hr	S / T	EER	factory	with field TDR	with field R–410A TXV	with field R–410A TXV+TDR	BTU/hr	COP	BTU/hr	COP	
H4H342GHB H4H342GLB (continued)	^EHD4X42A**	MV16J22****	TDR&TXV	41,500	0.73	11.70	14.50				42,000	3.70	27,400	2.74	8.6
	^EHD4X42A**	MV20N26****	TDR&TXV	41,500	0.73	11.70	14.50				42,000	3.70	27,400	2.74	8.6
	EHD4X48A**	†	TXV	42,000	0.73	11.00		13.20			42,000	3.64	28,600	2.64	8.4
	EHD4X48A**	*8MPV075	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.64	28,400	2.66	8.5
	^EHD4X48A**	*8MPV100	TDR&TXV	42,000	0.73	11.50	14.00				42,000	3.68	27,800	2.70	8.6
	^EHD4X48A**	*8MPV125	TDR&TXV	42,000	0.73	11.50	14.00				42,000	3.68	27,800	2.72	8.6
	EHD4X48A**	*9MPV075	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.54	28,200	2.62	8.3
	EHD4X48A**	*9MPV100	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.66	28,200	2.68	8.5
	^EHD4X48A**	*9MPV125	TDR&TXV	42,000	0.73	11.50	14.00				42,000	3.70	28,000	2.70	8.6
	EMA4X48D**	†	TXV	41,500	0.73	10.80		13.00			42,000	3.52	28,600	2.60	8.2
	FEM4X42****	†	TDR&TXV	42,000	0.73	11.20	13.50				42,000	3.62	28,000	2.68	8.4
	FS(M,U)4X48****	†	TDR&TXV	42,000	0.73	11.00	13.20				42,000	3.54	28,800	2.62	8.3
H4H348GHB H4H348GLB	‡FS(M,U)4X48****	†	TDR&TXV	47,000	0.76	10.7	13.00				48,000	3.58	31,000	2.54	8.0
	ED*4X48F**	†	TXV	46,000	0.76	10.80		13.00			47,000	3.56	30,400	2.54	7.9
	ED*4X48J**	†	TXV	46,000	0.76	10.70		13.00			48,000	3.60	30,800	2.56	8.0
	ED*4X48J**	*8MPV100	TDR&TXV	46,000	0.76	11.10	13.50				47,000	3.60	30,000	2.58	8.0
	ED*4X48J**	*8MPV125	TDR&TXV	46,500	0.76	11.10	13.50				47,500	3.66	30,400	2.60	8.1
	ED*4X48L**	†	TXV	46,000	0.76	10.70		13.00			48,000	3.60	30,800	2.56	8.0
	ED*4X48L**	*9MPV125	TDR&TXV	46,000	0.76	11.00	13.50				47,500	3.62	30,400	2.58	8.0
	ED*4X60J**	†	TXV	47,500	0.76	11.00		13.00			48,000	3.70	30,800	2.58	8.2
	^ED*4X60J**	*8MPV100	TDR&TXV	47,500	0.76	11.50	14.00				47,000	3.72	30,200	2.64	8.2
	ED*4X60J**	*9MPV100	TDR&TXV	47,000	0.76	11.00	13.50				48,000	3.68	30,800	2.58	8.1
	ED*4X60L**	†	TXV	47,500	0.76	11.00		13.00			48,000	3.70	30,800	2.58	8.2
	ED*4X60L**	*9MPV125	TDR&TXV	47,500	0.76	11.20	14.00				47,500	3.70	30,400	2.60	8.2
	EHD4X48A**	†	TXV	46,000	0.76	10.80		13.00			48,000	3.66	30,800	2.58	8.1
	EHD4X48A**	*8MPV100	TDR&TXV	46,000	0.76	11.20	14.00				47,000	3.64	30,000	2.60	8.1
	EHD4X48A**	*8MPV125	TDR&TXV	46,500	0.76	11.20	13.50				47,500	3.68	30,400	2.60	8.2
	EHD4X48A**	*9MPV125	TDR&TXV	46,500	0.76	11.00	13.50				47,500	3.64	30,400	2.58	8.1
	EHD4X60A**	†	TXV	47,500	0.76	11.00		13.50			48,000	3.70	31,000	2.60	8.2
	^EHD4X60A**	*8MPV100	TDR&TXV	47,500	0.76	11.50	14.00				47,000	3.74	30,200	2.64	8.3
	EHD4X60A**	*9MPV100	TDR&TXV	47,000	0.76	11.10	13.50				48,000	3.68	30,800	2.60	8.2
	EHD4X60A**	*9MPV125	TDR&TXV	47,000	0.76	11.30	14.00				48,000	3.74	30,600	2.62	8.3
	EMA4X48D**	†	TXV	45,000	0.76	10.70		13.00			47,000	3.44	30,200	2.50	7.7
	^FEM4X48****	†	TDR&TXV	47,500	0.76	11.50	14.00				47,500	3.76	30,200	2.66	8.2

^ Indicates ENERGY STAR compliance for combinations with all three: SEER 14.0 or higher and EER 11.5 or higher and HSPF 8.2 or higher.
† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

– continued on next page –

Specifications subject to change without notice.

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

Outdoor Model	Indoor Model (‡ tested combo)	Furnace Model	Factory Installed	Cool (95 ˚F)			SEER				Heat (47 ˚F)		Heat (17 ˚F)		HSPF
				BTU/hr	S / T	EER	factory	with field TDR	with field R–410A TXV	with field R–410A TXV+TDR	BTU/hr	COP	BTU/hr	COP	
H4H348GHB H4H348GLB (continued)	FS(M,U)4X60****	†	TDR&TXV	47,500	0.76	10.90	13.50				48,500	3.72	31,200	2.58	8.2
	^FVM4X48****	†	TDR&TXV	47,000	0.76	12.00	14.00				47,000	3.68	29,600	2.64	8.2
	^FVM4X60****	†	TDR&TXV	47,500	0.76	12.00	14.00				47,000	3.80	29,600	2.70	8.4
H4H360GHB H4H360GLB	‡FS(M,U)4X60****	†	TDR&TXV	59,500	0.76	10.6	13.00				60,000	3.56	37,800	2.52	8.0
	ED*4X60J**	†	TXV	59,000	0.76	10.80		13.00			59,500	3.54	36,800	2.54	8.0
	ED*4X60J**	*8MPV100	TDR&TXV	58,500	0.76	11.20	13.50				59,000	3.52	36,200	2.54	7.9
	ED*4X60J**	*8MPV125	TDR&TXV	59,000	0.76	11.10	13.50				59,000	3.56	36,600	2.54	8.0
	ED*4X60J**	MV16J22****	TDR&TXV	59,000	0.76	11.50	14.00				58,500	3.62	35,800	2.60	8.1
	ED*4X60L**	†	TXV	59,500	0.76	10.80		13.00			60,000	3.60	37,200	2.56	8.1
	EHD4X60A**	†	TXV	59,000	0.76	10.80		13.00			59,500	3.66	37,200	2.56	8.2
	EHD4X60A**	*8MPV100	TDR&TXV	58,500	0.76	11.20	13.50				59,000	3.56	36,200	2.54	8.0
	EHD4X60A**	*8MPV125	TDR&TXV	59,000	0.76	11.10	13.50				59,000	3.62	36,600	2.56	8.1
	^EHD4X60A**	MV16J22****	TDR&TXV	59,000	0.76	11.50	14.00				58,500	3.68	35,800	2.62	8.2
	^EHD4X60A**	MV20N26****	TDR&TXV	59,500	0.76	11.50	14.00				58,500	3.68	35,800	2.62	8.2
	FEM4X60****	†	TDR&TXV	60,500	0.76	11.20	13.50				59,500	3.72	37,000	2.62	8.3
	^FVM4X60****	†	TDR&TXV	59,500	0.76	11.50	14.00				59,000	3.70	36,000	2.62	8.3

^ Indicates ENERGY STAR compliance for combinations with all three: SEER 14.0 or higher and EER 11.5 or higher and HSPF 8.2 or higher.
† For coils not listed with a matching furnace or blower, coil rating applies with any indoor blower device.

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**	**B**	**1**	**0**	**0**

- Product Family
- 2 = R–22
- 4 = R–410A — **REFRIGERANT**
- A = Air Conditioner
- H = Heat Pump — **TYPE**
- 3 = 13 SEER
- 4 = 14 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**
- 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)