

# TECHNICAL SUPPORT MANUAL

## Split System Heat Pump

### H4H3, 3-Phase

#### Safety Labeling and Signal Words

##### DANGER, WARNING, CAUTION, and NOTE

The signal words **DANGER**, **WARNING**, **CAUTION**, and **NOTE** are used to identify levels of hazard seriousness. The signal word **DANGER** is only used on product labels to signify an immediate hazard. The signal words **WARNING**, **CAUTION**, and **NOTE** will be used on product labels and throughout this manual and other manuals that may apply to the product.

**DANGER** – Immediate hazards which **will** result in severe personal injury or death.

**WARNING** – Hazards or unsafe practices which **could** result in severe personal injury or death.

**CAUTION** – Hazards or unsafe practices which **may** result in minor personal injury or product or property damage.

**NOTE** – Used to highlight suggestions which **will** result in enhanced installation, reliability, or operation.

##### Signal Words in Manuals

The signal word **WARNING** is used throughout this manual in the following manner:



The signal word **CAUTION** is used throughout this manual in the following manner:



##### Signal Words on Product Labeling

Signal words are used in combination with colors and/or pictures on product labels.

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#### MODELS

H4H336G\*D200  
H4H342G\*D200  
H4H348G\*D200  
H4H360G\*D200  
\* = H or L



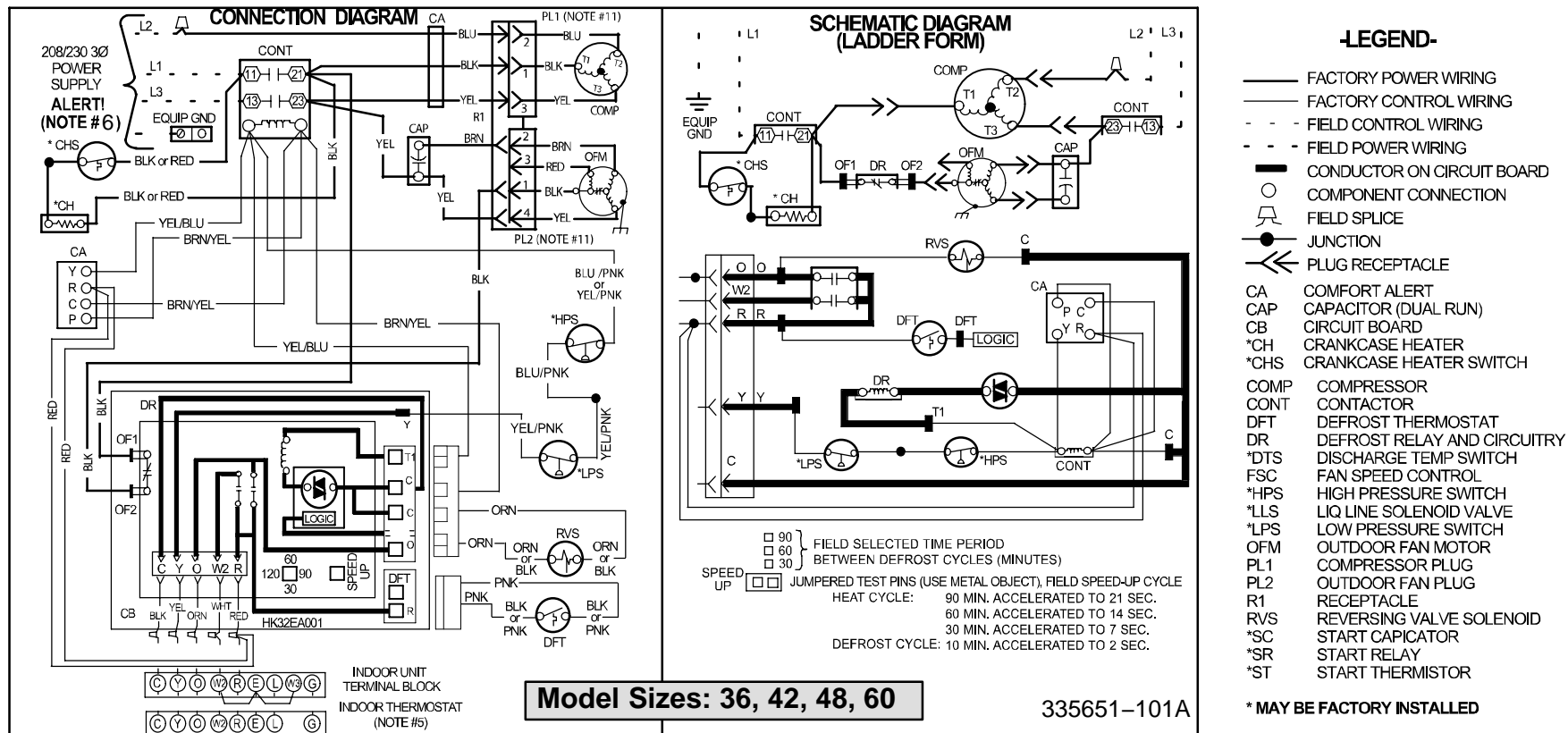
**DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD**

**Failure to carefully read and follow this warning could result in equipment malfunction, property damage, personal injury and/or death.**

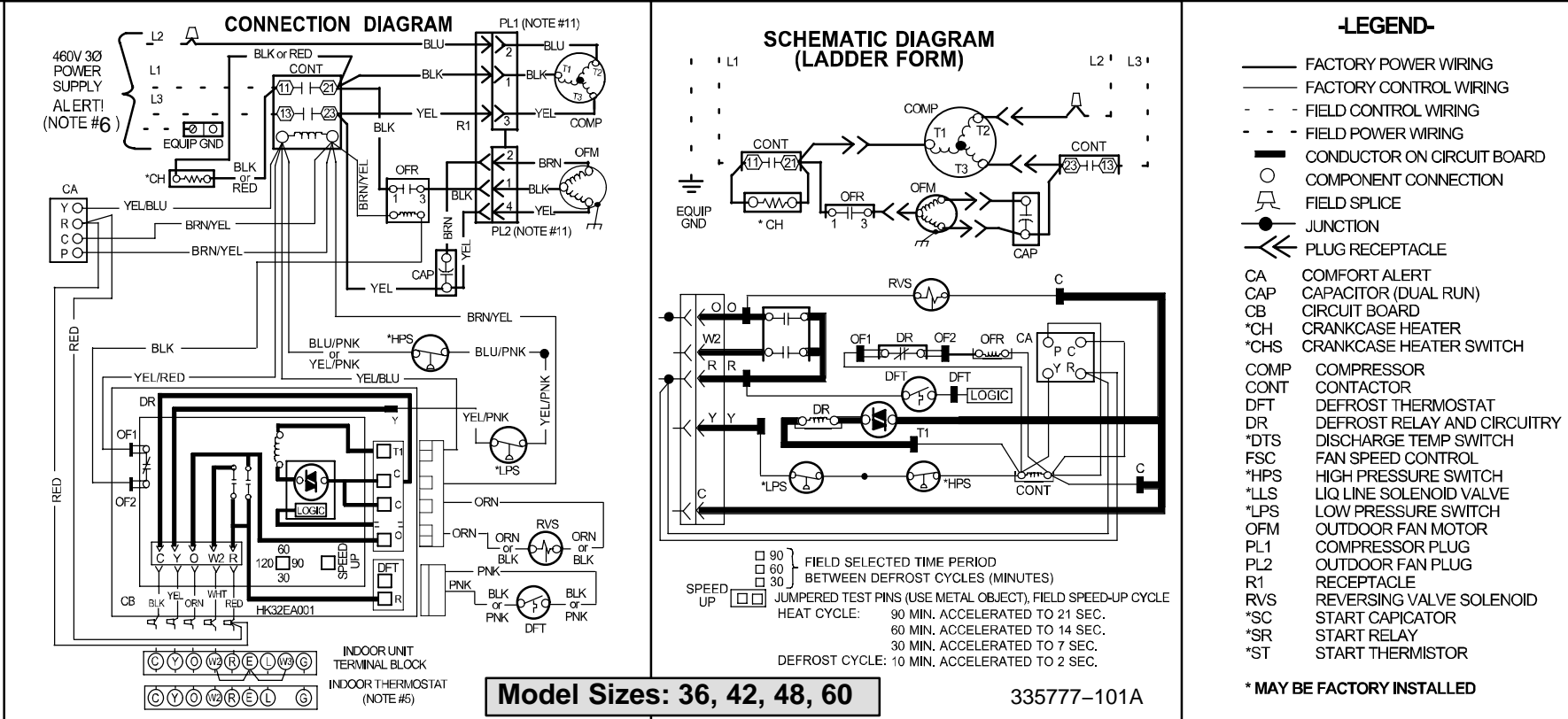
**Installation or repairs made by unqualified persons could result in equipment malfunction, property damage, personal injury and/or death.**

**The information contained in this manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.**

**Installation must conform with local building codes and with the National Electrical Code NFPA70 current edition or Canadian Electrical Code Part 1 CSA C.22.1.**



1. Symbols are electrical representation only.
2. Compressor and fan motor furnished with inherent thermal protection.
3. To be wired in accordance with National Electric N.E.C. and local codes.
4. N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
5. Connection for typical heat pump thermostat. For other arrangements see installation instructions.
6. Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
7. If indoor section has a transformer with a grounded secondary, connect the grounded side to "C" on the circuit board.
8. When start capacitor and relay are installed, start thermistor (PTC) is not used.
9. CH not used on all units.
10. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
11. Check all electrical connections inside control box for tightness.
12. Do not attempt to operate unit until service valves have been opened.
13. Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
14. It is imperative to connect 3-phase field power to unit with correct phasing. If phasing is reversed, interchange any two of the three power connections on field side.



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<b>R-410A CHARGING CHART</b>												
Measured Liquid Pressure (psig)	Rating Plate (required) Subcooling Temperature °F (°C)											
	°F	(°C)	°F	(°C)	°F	(°C)	°F	(°C)	F	(°C)	F	(°C)
	6	3	8	4	10	6	12	7	14	8	16	9
R-410A Required Liquid Line Temperature °F (°C)												
<b>251</b>	78	26	76	24	74	23	72	22	70	21	68	20
<b>259</b>	80	27	78	26	76	24	74	23	72	22	70	21
<b>266</b>	82	28	80	27	78	26	76	24	74	23	72	22
<b>274</b>	84	29	82	28	80	27	78	26	76	24	74	23
<b>283</b>	86	30	84	29	82	28	80	27	78	26	76	24
<b>291</b>	88	31	86	30	84	29	82	28	80	27	78	26
<b>299</b>	90	32	88	31	86	30	84	29	82	28	80	27
<b>308</b>	92	33	90	32	88	31	86	30	84	29	82	28
<b>317</b>	94	34	92	33	90	32	88	31	86	30	84	29
<b>326</b>	96	36	94	34	92	33	90	32	88	31	86	30
<b>335</b>	98	37	96	36	94	34	92	33	90	32	88	31
<b>345</b>	100	38	98	37	96	36	94	34	92	33	90	32
<b>364</b>	104	40	102	39	100	38	98	37	96	36	94	34
<b>374</b>	106	41	104	40	102	39	100	38	98	37	96	36
<b>384</b>	108	42	106	41	104	40	102	39	100	38	98	37
<b>395</b>	110	43	108	42	106	41	104	40	102	39	100	38
<b>406</b>	112	44	110	43	108	42	106	41	104	40	102	39
<b>416</b>	114	46	112	44	110	43	108	42	106	41	104	40
<b>427</b>	116	47	114	46	112	44	110	43	108	42	106	41
<b>439</b>	118	48	116	47	114	46	112	44	110	43	108	42
<b>450</b>	120	49	118	48	116	47	114	46	112	44	110	43
<b>462</b>	122	50	120	49	118	48	116	47	114	46	112	44
<b>474</b>	124	51	122	50	120	49	118	48	116	47	114	46

## MULTIPLYING FACTORS

### (Refer to pages 6–9)

- † Total capacities are net (I.D. blower heat subtracted) system capacities based on 25 foot (7.6m) line set.  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
- †† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db  
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.
- \* System amps are total of indoor and outdoor amps.
- ‡ Chart data is for 80° F indoor dry bulb. For indoor db temperatures other than 80° F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below.  
(Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

$$\text{Sensible Capacity at Indoor db LOWER than } 80^{\circ}\text{F} = (\text{MBh} \times \text{S/T}) - \left( \frac{(80 - \text{Indoor db}) \times 835 \times \text{Indoor CFM}}{1000} \right)$$

$$\text{Sensible Capacity at Indoor db HIGHER than } 80^{\circ}\text{F} = (\text{MBh} \times \text{S/T}) + \left( \frac{(\text{Indoor db} - 80) \times 835 \times \text{Indoor CFM}}{1000} \right)$$

COOLING		36 Size Outdoor With FSU4X36 Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1050	MBh†	33.16	33.94	34.54	37.01	40.35	31.86	32.35	32.90	35.27	38.48	30.46	30.69	31.16	33.42	36.50	28.98	28.99	29.32	31.48	34.43	27.35	27.35	27.34	29.38	32.16
	S/T†	1.00	0.91	0.72	0.69	0.50	1.00	0.93	0.73	0.70	0.51	1.00	0.95	0.75	0.72	0.52	1.00	1.00	0.77	0.74	0.53	1.00	1.00	0.79	0.77	0.54
	AMPS*	10.88	10.88	10.89	10.91	10.93	12.11	12.11	12.12	12.14	12.16	13.47	13.47	13.48	13.49	13.52	14.96	14.96	14.97	14.99	15.01	16.58	16.58	16.58	16.60	16.63
	HI PR	276	277	278	280	284	319	320	320	323	327	366	366	367	370	374	418	418	418	421	425	474	474	474	477	481
	LO PR	121	124	125	135	147	124	126	127	137	150	127	128	130	139	152	131	131	132	142	154	135	135	134	144	157
1200	MBh†	34.28	34.55	35.04	37.51	40.87	32.89	32.93	33.34	35.71	38.95	31.42	31.42	31.54	33.80	36.90	29.86	29.85	29.65	31.81	34.76	28.15	28.14	27.61	29.64	32.43
	S/T†	1.00	0.95	0.75	0.72	0.52	1.00	1.00	0.76	0.74	0.53	1.00	1.00	0.78	0.76	0.54	1.00	1.00	0.80	0.78	0.55	1.00	1.00	0.83	0.81	0.56
	AMPS*	11.15	11.15	11.15	11.17	11.20	12.38	12.38	12.39	12.40	12.43	13.74	13.74	13.74	13.76	13.78	15.23	15.23	15.23	15.25	15.28	16.85	16.85	16.85	16.87	16.90
	HI PR	278	278	279	281	285	321	321	321	324	328	367	367	368	370	374	419	419	419	422	426	475	475	475	478	481
	LO PR	126	127	128	138	150	129	129	130	140	152	132	132	132	142	155	136	136	134	144	157	140	140	137	147	159
1350	MBh†	35.18	35.17	35.42	37.88	41.26	33.73	33.73	33.67	36.03	39.28	32.19	32.18	31.82	34.08	37.18	30.55	30.55	29.89	32.04	34.99	28.77	28.77	27.81	29.83	32.60
	S/T†	1.00	1.00	0.78	0.75	0.53	1.00	1.00	0.80	0.77	0.54	1.00	1.00	0.82	0.79	0.55	1.00	1.00	0.84	0.82	0.57	1.00	1.00	0.87	0.85	0.58
	AMPS*	11.41	11.41	11.42	11.44	11.46	12.65	12.65	12.65	12.67	12.69	14.01	14.01	14.01	14.02	14.05	15.50	15.50	15.50	15.52	15.54	17.12	17.12	17.11	17.13	17.16
	HI PR	279	279	279	282	285	322	322	322	325	328	369	369	368	371	375	420	420	419	422	426	477	477	475	478	482
	LO PR	130	130	130	140	153	133	133	132	142	155	136	136	134	144	157	140	140	136	146	159	144	144	139	149	161

HEATING		36 Size Outdoor With FSU4X36 Indoor Heating																							
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature – Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75			
1050	MBh†	14.67	14.11	13.50	18.39	17.89	17.35	22.34	21.87	21.37	26.52	26.08	25.61	31.22	30.68	30.14	35.59	35.26	34.88	39.80	39.46	39.08	44.00	43.69	43.32
	T/R	13.80	13.40	12.90	17.40	17.10	16.70	21.30	21.10	20.70	25.50	25.30	25.10	30.30	30.00	29.70	34.80	34.80	34.70	39.20	39.20	39.20	43.70	43.80	43.80
	AMPS*	9.60	9.97	10.35	10.07	10.50	10.93	10.54	11.02	11.50	11.09	11.60	12.13	11.73	12.27	12.82	12.22	12.82	13.44	12.81	13.43	14.08	13.43	14.09	14.77
	HI PR	233	249	265	248	265	282	266	283	302	287	306	325	312	331	351	332	354	376	356	378	401	381	405	429
	LO PR	38	38	38	49	49	49	61	61	62	75	75	76	90	91	91	104	105	106	117	118	120	130	132	134
1200	MBh†	14.99	14.43	13.81	18.74	18.24	17.71	22.71	22.26	21.76	26.92	26.48	26.02	31.69	31.18	30.65	35.68	35.40	35.10	39.71	39.47	39.17	43.61	43.45	43.19
	T/R	12.30	12.00	11.50	15.50	15.20	14.90	18.90	18.70	18.40	22.50	22.40	22.20	26.70	26.50	26.30	30.30	30.30	30.30	33.90	34.00	34.10	37.50	37.70	37.80
	AMPS*	9.75	10.14	10.52	10.18	10.61	11.05	10.61	11.08	11.57	11.10	11.61	12.13	11.63	12.20	12.77	12.06	12.65	13.26	12.57	13.19	13.82	13.07	13.73	14.40
	HI PR	229	245	261	243	260	277	259	276	295	278	296	316	299	319	340	317	338	360	338	360	383	359	382	407
	LO PR	38	38	38	48	49	49	61	61	61	74	75	75	90	90	91	102	103	104	114	116	118	126	129	130
1350	MBh†	15.28	14.73	14.11	19.04	18.56	18.03	23.03	22.59	22.10	27.30	26.85	26.38	31.99	31.58	31.06	35.69	35.47	35.21	39.57	39.45	39.15	43.09	43.06	42.93
	T/R	11.10	10.80	10.50	13.90	13.70	13.40	17.00	16.80	16.60	20.20	20.10	19.90	23.90	23.80	23.60	26.80	26.80	26.90	29.80	30.00	30.10	32.70	32.90	33.10
	AMPS*	9.93	10.32	10.70	10.32	10.76	11.20	10.71	11.18	11.67	11.17	11.67	12.19	11.62	12.18	12.76	12.01	12.59	13.19	12.45	13.06	13.69	12.86	13.51	14.18
	HI PR	226	242	258	239	255	273	253	271	289	271	290	309	290	310	330	306	327	349	325	347	369	342	365	389
	LO PR	38	38	38	48	49	49	61	61	61	74	75	75	89	90	91	100	102	103	112	114	116	123	125	127

COOLING		42 Size Outdoor With FS(M,U)4X42**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1225	MBh†	39.05	40.45	41.23	44.21	48.26	37.54	38.56	39.29	42.14	46.00	35.93	36.58	37.24	39.96	43.63	34.22	34.53	35.09	37.67	41.15	32.37	32.38	32.79	35.20	38.47
	S/T†	1.00	0.91	0.72	0.69	0.51	1.00	0.93	0.73	0.71	0.52	1.00	0.95	0.75	0.72	0.52	1.00	0.97	0.77	0.74	0.53	1.00	1.00	0.79	0.76	0.54
	AMPS*	13.22	13.25	13.26	13.31	13.40	14.67	14.68	14.69	14.74	14.81	16.27	16.28	16.29	16.33	16.39	18.03	18.04	18.05	18.08	18.14	19.98	19.98	19.99	20.01	20.05
	HI PR	277	278	279	281	284	320	321	321	324	327	367	367	368	371	374	418	419	419	422	426	475	475	475	478	482
	LO PR	125	129	131	141	154	128	131	133	143	156	131	133	135	145	159	135	136	137	148	161	139	139	140	150	164
1400	MBh†	40.48	41.22	41.93	44.93	48.98	38.87	39.28	39.91	42.77	46.64	37.16	37.28	37.78	40.50	44.18	35.34	35.34	35.55	38.12	41.64	33.38	33.37	33.17	35.57	38.84
	S/T†	1.00	0.95	0.75	0.72	0.52	1.00	0.97	0.77	0.74	0.53	1.00	0.99	0.78	0.76	0.54	1.00	1.00	0.80	0.78	0.55	1.00	1.00	0.83	0.80	0.56
	AMPS*	13.57	13.58	13.59	13.64	13.72	15.01	15.01	15.02	15.07	15.14	16.60	16.60	16.61	16.65	16.72	18.37	18.37	18.37	18.41	18.47	20.31	20.31	20.31	20.33	20.36
	HI PR	278	279	279	282	285	321	321	322	325	328	368	368	369	372	375	420	420	420	423	427	476	476	476	478	482
	LO PR	130	132	134	144	158	133	134	136	146	160	136	137	138	148	162	140	140	140	150	164	144	144	142	153	167
1575	MBh†	41.65	41.88	42.44	45.43	49.51	39.96	39.96	40.35	43.21	47.10	38.15	38.15	38.16	40.87	44.56	36.24	36.24	35.87	38.43	41.96	34.18	34.17	33.43	35.82	39.08
	S/T†	1.00	0.99	0.78	0.75	0.54	1.00	1.00	0.80	0.77	0.55	1.00	1.00	0.82	0.79	0.56	1.00	1.00	0.84	0.82	0.57	1.00	1.00	0.87	0.84	0.58
	AMPS*	13.90	13.91	13.91	13.97	14.05	15.34	15.34	15.34	15.40	15.47	16.93	16.93	16.93	16.97	17.04	18.69	18.69	18.69	18.73	18.79	20.63	20.63	20.62	20.65	20.68
	HI PR	279	280	280	282	286	322	322	323	325	329	369	369	369	372	376	421	421	421	423	428	477	477	476	479	483
	LO PR	135	135	137	147	160	138	138	138	149	162	141	141	140	151	164	144	144	142	153	166	148	148	145	155	169

HEATING		42 Size Outdoor With FS(M,U)4X42**** Indoor Heating																							
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature – Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75			
1225	MBh†	17.53	17.06	16.54	21.61	21.17	20.69	26.00	25.58	25.13	30.74	30.29	29.85	36.21	35.68	35.03	42.09	41.58	41.04	47.60	47.11	46.60	53.07	52.62	52.13
	T/R	14.50	14.30	13.90	18.00	17.80	17.60	21.80	21.70	21.50	26.00	25.90	25.70	30.90	30.70	30.40	36.30	36.10	36.00	41.40	41.30	41.20	46.60	46.60	46.50
	AMPS*	11.81	12.34	12.88	12.28	12.86	13.45	12.81	13.42	14.05	13.41	14.06	14.73	14.17	14.85	15.52	14.92	15.67	16.45	15.64	16.40	17.19	16.49	17.29	18.12
	HI PR	234	251	268	249	266	284	265	283	302	285	304	324	310	330	349	334	356	378	359	381	404	387	410	434
	LO PR	36	36	36	46	47	47	58	59	59	72	72	73	87	87	88	103	104	105	118	119	120	132	134	135
1400	MBh†	17.88	17.40	16.89	21.99	21.52	21.08	26.39	25.97	25.53	31.20	30.69	30.29	36.75	36.21	35.58	42.44	42.00	41.57	47.57	47.24	46.84	52.73	52.50	52.10
	T/R	12.90	12.70	12.40	16.00	15.80	15.60	19.30	19.20	19.00	23.00	22.80	22.70	27.30	27.10	26.90	31.80	31.70	31.60	35.90	35.90	35.90	40.00	40.20	40.30
	AMPS*	11.97	12.51	13.05	12.40	12.98	13.57	12.87	13.47	14.10	13.41	14.04	14.71	14.11	14.77	15.43	14.69	15.42	16.18	15.33	16.08	16.86	16.04	16.84	17.65
	HI PR	230	246	263	243	260	278	258	276	295	276	294	314	298	318	338	318	339	362	340	362	385	364	387	411
	LO PR	36	36	36	46	47	47	58	59	59	72	72	73	87	87	88	102	103	104	115	117	118	129	131	132
1575	MBh†	18.21	17.74	17.21	22.32	21.88	21.41	26.75	26.32	25.90	31.61	31.11	30.67	37.22	36.68	36.15	42.50	42.19	41.81	47.37	47.15	46.84	52.15	52.04	51.83
	T/R	11.70	11.50	11.20	14.40	14.20	14.00	17.30	17.20	17.10	20.60	20.50	20.30	24.40	24.30	24.10	28.10	28.10	28.10	31.50	31.60	31.70	34.90	35.10	35.30
	AMPS*	12.17	12.71	13.25	12.55	13.13	13.72	12.98	13.59	14.21	13.48	14.10	14.76	14.14	14.79	15.48	14.60	15.31	16.05	15.17	15.91	16.68	15.78	16.56	17.36
	HI PR	227	243	260	238	256	273	252	270	289	269	287	307	290	309	329	307	327	349	326	348	370	347	370	393
	LO PR	36	36	36	46	47	47	58	59	59	72	72	72	87	87	87	100	102	103	113	115	116	125	127	129

COOLING		48 Size Outdoor With FS(M,U)4X48**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1400	MBh†	45.85	47.48	48.43	52.07	56.99	43.97	45.13	46.02	49.50	54.20	42.02	42.72	43.52	46.83	51.28	39.96	40.24	40.92	44.04	48.25	37.77	37.77	38.19	41.11	45.04
	S/T‡	1.00	0.89	0.71	0.68	0.50	1.00	0.91	0.72	0.69	0.51	1.00	0.94	0.74	0.71	0.51	1.00	0.96	0.76	0.73	0.52	1.00	1.00	0.78	0.75	0.53
	AMPS*	14.69	14.66	14.65	14.59	14.48	16.48	16.47	16.46	16.43	16.35	18.42	18.42	18.42	18.40	18.35	20.52	20.52	20.52	20.53	20.51	22.77	22.77	22.78	22.81	22.83
	HI PR	271	272	273	276	281	313	314	315	318	323	359	360	360	364	369	409	409	410	414	420	464	464	465	469	474
	LO PR	126	130	132	142	155	129	132	134	144	158	133	135	136	147	160	136	137	139	149	162	140	140	141	151	165
1600	MBh†	47.61	48.44	49.31	52.98	57.90	45.61	46.03	46.79	50.29	55.00	43.52	43.55	44.18	47.50	51.96	41.33	41.33	41.48	44.61	48.82	39.01	39.00	38.66	41.57	45.51
	S/T‡	1.00	0.93	0.74	0.71	0.51	1.00	0.96	0.75	0.73	0.52	1.00	1.00	0.77	0.74	0.53	1.00	1.00	0.79	0.77	0.54	1.00	1.00	0.82	0.79	0.55
	AMPS*	15.04	15.02	15.01	14.94	14.83	16.84	16.84	16.83	16.79	16.70	18.80	18.80	18.80	18.77	18.72	20.91	20.91	20.91	20.91	20.88	23.17	23.17	23.17	23.19	23.21
	HI PR	273	273	274	277	282	315	315	316	320	324	361	361	362	365	370	411	411	411	416	421	466	466	466	470	476
	LO PR	131	133	135	145	159	135	136	137	147	161	138	138	139	150	163	142	142	141	152	166	145	145	144	154	168
1800	MBh†	49.07	49.26	49.95	53.62	58.55	46.96	46.95	47.35	50.84	55.56	44.75	44.75	44.66	47.96	52.43	42.44	42.44	41.88	44.99	49.21	39.99	39.99	38.98	41.88	45.80
	S/T‡	1.00	0.97	0.77	0.74	0.53	1.00	1.00	0.78	0.76	0.54	1.00	1.00	0.80	0.78	0.55	1.00	1.00	0.83	0.80	0.56	1.00	1.00	0.86	0.83	0.58
	AMPS*	15.39	15.38	15.38	15.30	15.18	17.20	17.20	17.20	17.15	17.06	19.17	19.17	19.17	19.15	19.08	21.29	21.29	21.29	21.29	21.25	23.56	23.56	23.56	23.58	23.58
	HI PR	274	274	275	278	282	317	317	317	320	325	363	363	362	366	371	413	413	412	416	421	468	468	467	471	476
	LO PR	136	137	138	148	162	139	139	140	150	164	142	142	142	152	166	146	146	144	154	168	150	150	146	156	170

HEATING		48 Size Outdoor With FS(M,U)4X48**** Indoor Heating																							
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature – Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75			
1400	MBh†	20.81	20.34	19.84	25.42	24.97	24.49	30.38	29.94	29.50	35.87	35.33	34.84	42.17	41.59	41.03	48.31	47.84	47.37	54.67	54.25	53.77	57.59	58.09	58.58
	T/R	15.10	14.80	14.60	18.50	18.30	18.10	22.30	22.10	22.00	26.50	26.30	26.20	31.40	31.30	31.10	36.30	36.30	36.20	41.50	41.50	41.50	43.90	44.70	45.50
	AMPS*	13.31	13.89	14.48	13.85	14.48	15.12	14.43	15.10	15.80	15.07	15.78	16.53	15.76	16.58	17.42	16.46	17.28	18.13	17.33	18.19	19.09	17.65	18.70	19.80
	HI PR	234	250	268	247	264	283	263	282	300	283	302	322	305	326	348	329	350	371	356	378	401	367	394	423
	LO PR	37	37	37	47	48	48	60	60	60	73	74	74	88	89	89	103	104	105	118	119	120	124	128	132
1600	MBh†	21.19	20.73	20.23	25.83	25.38	24.91	30.81	30.38	29.94	36.40	0.00	35.31	42.62	42.17	41.61	48.38	48.00	47.60	52.00	52.90	53.57	53.71	54.76	55.57
	T/R	13.40	13.20	13.00	16.40	16.20	16.10	19.70	19.60	19.50	23.40	-70.00	23.10	27.60	27.60	27.40	31.60	31.60	31.60	34.10	35.00	35.80	35.30	36.30	37.30
	AMPS*	13.51	14.09	14.69	14.00	14.63	15.27	14.51	15.19	15.87	15.09	0.00	16.52	15.64	16.42	17.23	16.28	17.08	17.91	16.66	17.67	18.71	16.77	17.81	18.88
	HI PR	229	246	263	241	258	277	256	274	293	274	-15	312	293	313	334	314	335	356	327	354	382	332	359	388
	LO PR	37	37	37	47	48	48	60	60	60	73	-15	74	88	88	89	101	102	103	109	114	118	113	117	122
1800	MBh†	21.55	21.08	20.59	26.21	25.76	25.29	31.20	30.78	30.34	36.89	36.32	35.77	42.78	42.48	42.06	48.08	47.99	47.67	49.39	50.45	51.31	50.69	51.89	52.92
	T/R	12.10	11.90	11.70	14.70	14.60	14.50	17.60	17.60	17.50	21.00	20.80	20.70	24.50	24.50	24.50	27.70	27.90	28.00	28.50	29.40	30.20	29.30	30.30	31.20
	AMPS*	13.75	14.33	14.92	14.19	14.82	15.46	14.66	15.33	16.01	15.21	15.89	16.61	15.66	16.42	17.21	16.21	17.02	17.84	16.27	17.24	18.24	16.33	17.32	18.35
	HI PR	226	242	260	236	254	272	250	268	287	268	286	305	284	304	324	303	324	345	306	332	358	308	335	362
	LO PR	37	37	37	47	48	48	59	60	60	73	73	74	87	88	89	99	101	102	101	106	110	104	109	114



COOLING		60 Size Outdoor With FS(M,U)4X60**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72	57	62	63††	67	72
1750	MBh†	57.36	59.39	60.53	64.73	70.28	55.12	56.60	57.68	61.72	67.10	52.73	53.67	54.66	58.50	63.63	50.21	50.63	51.50	55.15	60.01	47.45	47.46	48.09	51.50	56.06
	S/T†	1.00	0.89	0.71	0.68	0.50	1.00	0.91	0.72	0.70	0.51	1.00	0.94	0.74	0.71	0.52	1.00	0.96	0.76	0.73	0.52	1.00	1.00	0.78	0.75	0.54
	AMPS*	19.05	19.15	19.19	19.39	19.65	21.05	21.12	21.17	21.37	21.63	23.25	23.30	23.35	23.55	23.81	25.67	25.69	25.73	25.94	26.21	28.32	28.32	28.35	28.56	28.82
	HI PR	285	287	288	292	297	329	330	331	336	341	376	377	378	383	389	428	429	430	435	441	485	485	486	491	497
	LO PR	125	129	131	141	155	128	131	133	144	157	131	134	136	146	159	135	136	138	148	162	139	139	140	150	164
2000	MBh†	59.46	60.48	61.54	65.72	71.26	57.07	57.63	58.58	62.60	67.97	54.53	54.66	55.44	59.26	64.37	51.85	51.85	52.17	55.79	60.64	48.92	48.91	48.63	52.01	56.56
	S/T†	1.00	0.94	0.74	0.71	0.52	1.00	0.96	0.75	0.73	0.52	1.00	0.99	0.77	0.75	0.53	1.00	1.00	0.79	0.77	0.54	1.00	1.00	0.82	0.79	0.56
	AMPS*	19.62	19.67	19.71	19.91	20.17	21.62	21.65	21.69	21.89	22.15	23.82	23.83	23.86	24.06	24.33	26.24	26.24	26.25	26.45	26.72	28.89	28.89	28.86	29.07	29.32
	HI PR	287	288	289	293	298	331	332	333	337	342	379	379	380	384	390	431	431	431	436	442	488	488	487	492	498
	LO PR	130	133	135	145	159	133	135	137	147	160	137	137	138	149	163	140	140	141	151	165	144	144	143	153	167
2250	MBh†	61.15	61.41	62.26	66.42	71.95	58.65	58.65	59.21	63.21	68.56	55.97	55.97	55.98	59.77	64.87	53.16	53.15	52.62	56.21	61.04	50.07	50.06	49.00	52.34	56.86
	S/T†	1.00	0.97	0.77	0.74	0.53	1.00	1.00	0.78	0.76	0.54	1.00	1.00	0.80	0.78	0.55	1.00	1.00	0.83	0.81	0.56	1.00	1.00	0.86	0.83	0.58
	AMPS*	20.17	20.18	20.22	20.42	20.67	22.17	22.17	22.19	22.39	22.65	24.37	24.37	24.36	24.57	24.83	26.79	26.79	26.75	26.95	27.21	29.43	29.43	29.36	29.56	29.82
	HI PR	289	290	290	294	299	333	333	334	338	343	381	381	381	385	391	433	433	432	437	443	490	490	488	493	499
	LO PR	135	136	137	148	161	138	138	139	149	163	141	141	141	151	165	145	145	143	153	167	149	149	145	156	170

HEATING		60 Size Outdoor With FS(M,U)4X60**** Indoor Heating																							
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																							
		-3			7			17			27			37			47			57			67		
		Entering Indoor Temperature – Degrees F, Dry Bulb																							
CFM		65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75	65	70	75			
1750	MBh†	24.57	23.76	22.90	30.47	29.75	28.96	36.69	36.02	35.29	43.32	42.67	42.00	50.72	49.99	49.25	58.76	58.00	57.22	66.48	65.66	64.84	74.57	73.71	72.82
	T/R	14.10	13.70	13.30	17.60	17.30	17.00	21.30	21.10	20.80	25.30	25.20	25.00	29.90	29.70	29.50	35.00	34.80	34.60	39.90	39.70	39.60	45.20	45.00	44.90
	AMPS*	16.03	16.71	17.40	16.75	17.50	18.27	17.49	18.29	19.12	18.30	19.16	20.05	19.25	20.16	21.10	20.05	20.99	21.98	21.05	22.04	23.07	22.17	23.21	24.28
	HI PR	230	246	263	243	260	277	258	276	294	276	294	314	295	315	335	314	334	355	337	358	380	363	385	408
	LO PR	34	35	35	44	45	45	56	56	57	68	69	69	83	83	84	97	98	99	112	113	114	127	128	129
2000	MBh†	25.10	24.29	23.43	31.01	30.31	29.54	37.29	36.63	35.89	43.97	43.31	42.66	51.55	50.73	50.01	59.18	58.52	57.81	66.76	66.06	65.31	73.14	73.11	72.79
	T/R	12.50	12.20	11.90	15.60	15.40	15.10	18.90	18.70	18.50	22.40	22.20	22.10	26.40	26.20	26.10	30.60	30.50	30.40	34.70	34.70	34.60	38.30	38.70	38.80
	AMPS*	16.31	16.99	17.69	16.96	17.71	18.49	17.62	18.42	19.25	18.34	19.19	20.08	19.14	20.07	21.03	19.86	20.79	21.76	20.72	21.70	22.72	21.46	22.57	23.69
	HI PR	226	242	259	237	254	272	251	269	287	267	285	304	284	303	324	300	320	341	320	341	363	337	361	385
	LO PR	34	35	35	44	45	45	56	56	56	68	69	69	83	83	83	96	97	98	110	111	112	122	124	126
2250	MBh†	25.59	24.78	23.92	31.52	30.81	30.05	37.81	37.15	36.44	44.55	43.89	43.22	52.26	51.46	50.75	59.42	58.83	58.23	66.69	66.14	65.53	70.31	70.72	70.80
	T/R	11.30	11.10	10.80	14.00	13.90	13.60	16.90	16.80	16.60	20.10	19.90	19.80	23.70	23.50	23.40	27.10	27.10	27.00	30.60	30.60	30.60	32.40	32.90	33.20
	AMPS*	16.63	17.30	18.01	17.22	17.97	18.75	17.82	18.62	19.44	18.49	19.33	20.20	19.15	20.07	21.01	19.82	20.75	21.70	20.57	21.54	22.54	20.88	21.99	23.12
	HI PR	222	239	256	233	250	267	246	263	281	260	278	297	274	294	314	290	310	330	307	328	350	315	339	363
	LO PR	34	35	35	44	45	45	56	56	56	68	69	69	82	83	83	95	96	97	108	109	111	114	117	120

**COOLING** Multiplying Factors for other Indoor Combinations

Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)
<b>H4H336</b>											
>FSU4X36****		1.00	1.00	ED*4X42J**	*8MPV125	1.02	0.94	EHD4X42A**	*8MPV050	1.01	0.96
ED*4X36B**	*8MPV050	0.98	0.96	ED*4X42J**	*9MPV100	1.02	0.94	EHD4X42A**	*8MPV075	1.03	0.95
ED*4X36B**	MV08B15**B*	1.00	0.92	ED*4X42J**	*9MVX080	1.02	0.94	EHD4X42A**	*8MPV100	1.04	0.96
ED*4X36B**		0.99	0.97	ED*4X42J**	MV16J22**B*	1.01	0.89	EHD4X42A**	*8MPV125	1.04	0.92
ED*4X36F**	*8MPV075	1.00	0.95	ED*4X42J**		1.00	0.98	EHD4X42A**	*9MPV050	1.02	0.96
ED*4X36F**	*9MPV050	0.99	0.97	ED*4X42L**	*9MPV125	1.02	0.94	EHD4X42A**	*9MPV075	1.02	0.96
ED*4X36F**	*9MPV075	0.99	0.95	ED*4X42L**	MV20L24**B*	1.01	0.89	EHD4X42A**	*9MPV100	1.04	0.95
ED*4X36F**	*9MVX040	0.99	0.97	ED*4X42L**		1.00	0.98	EHD4X42A**	*9MPV125	1.04	0.95
ED*4X36F**	*9MVX060	0.99	0.96	EHD4X36A**	*8MPV050	1.01	0.97	EHD4X42A**	*9MVX040	1.02	0.98
ED*4X36F**	MV12F19**B*	1.01	0.89	EHD4X36A**	*8MPV075	1.02	0.94	EHD4X42A**	*9MVX060	1.02	0.97
ED*4X36F**		0.99	0.98	EHD4X36A**	*8MPV100	1.03	0.95	EHD4X42A**	*9MVX080	1.04	0.96
ED*4X36J**	*8MPV100	1.01	0.93	EHD4X36A**	*8MPV125	1.03	0.93	EHD4X42A**	*9MVX100	1.04	0.95
ED*4X36J**	*8MPV125	1.01	0.93	EHD4X36A**	*9MPV050	1.01	0.95	EHD4X42A**	MV08B15**B*	1.03	0.91
ED*4X36J**	*9MPV100	1.01	0.93	EHD4X36A**	*9MPV075	1.01	0.96	EHD4X42A**	MV12F19**B*	1.04	0.91
ED*4X36J**	*9MVX080	1.01	0.96	EHD4X36A**	*9MPV100	1.03	0.95	EHD4X42A**	MV16J22**B*	1.04	0.91
ED*4X36J**	MV16J22**B*	1.01	0.89	EHD4X36A**	*9MPV125	1.03	0.95	EHD4X42A**	MV20L24**B*	1.04	0.91
ED*4X36J**		0.99	0.98	EHD4X36A**	*9MVX040	1.01	0.97	EHD4X42A**		1.02	0.99
ED*4X42F**	*8MPV075	1.01	0.93	EHD4X36A**	*9MVX060	1.02	0.96	EMA4X36D**		0.99	0.98
ED*4X42F**	*9MPV050	0.99	0.96	EHD4X36A**	*9MVX080	1.03	0.95	FEM4X36****		1.03	0.95
ED*4X42F**	*9MPV075	1.00	0.95	EHD4X36A**	*9MVX100	1.02	0.94	FEM4X42****		1.03	0.95
ED*4X42F**	*9MVX040	0.99	0.98	EHD4X36A**	MV08B15**B*	1.02	0.90	FS(M,U)4X42***		1.01	0.99
ED*4X42F**	*9MVX060	1.01	0.95	EHD4X36A**	MV12F19**B*	1.02	0.90	FSA4X36**A*		0.99	0.98
ED*4X42F**	MV12F19**B*	1.01	0.89	EHD4X36A**	MV16J22**B*	1.02	0.90	FSM4X36****		1.01	0.99
ED*4X42F**		1.00	0.98	EHD4X36A**	MV20L24**B*	1.02	0.90	FVM4X24****		0.99	0.92
ED*4X42J**	*8MPV100	1.02	0.94	EHD4X36A**		1.02	0.98	FVM4X36****		1.01	0.91
<b>H4H342</b>											
>FS(M,U)4X42***		1.00	1.00	ED*4X48J**	*8MPV125	1.02	0.96	EHD4X48A**	*8MPV075	1.02	0.96
ED*4X42F**	*8MPV075	0.99	0.94	ED*4X48J**	*9MPV100	1.01	0.95	EHD4X48A**	*8MPV100	1.02	0.96
ED*4X42F**	*9MPV075	0.98	0.98	ED*4X48J**	*9MVX080	1.01	0.95	EHD4X48A**	*8MPV125	1.02	0.94
ED*4X42F**	*9MVX060	0.99	0.96	ED*4X48J**	MV16J22**B*	1.01	0.89	EHD4X48A**	*9MPV075	1.01	0.97
ED*4X42F**	MV12F19**B*	1.00	0.91	ED*4X48J**		1.01	0.98	EHD4X48A**	*9MPV100	1.01	0.95
ED*4X42F**		0.99	0.99	ED*4X48L**	*9MPV125	1.02	0.96	EHD4X48A**	*9MPV125	1.02	0.94
ED*4X42J**	*8MPV100	1.01	0.95	ED*4X48L**	*9MVX100	1.01	0.92	EHD4X48A**	*9MVX060	1.01	0.97
ED*4X42J**	*8MPV125	1.01	0.95	ED*4X48L**	MV20L24**B*	1.01	0.89	EHD4X48A**	*9MVX080	1.02	0.96
ED*4X42J**	*9MPV100	1.00	0.95	ED*4X48L**		1.01	0.98	EHD4X48A**	*9MVX100	1.02	0.94

> Indicates Tested Indoor Model

- continued on next page -

**COOLING** Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)
ED*4X42J**	*9MPVX080	1.00	0.95	EHD4X42A**	*8MPV075	1.01	0.97	EHD4X48A**	MV12F19**B*	1.02	0.90
ED*4X42J**	MV16J22**B*	1.00	0.91	EHD4X42A**	*8MPV100	1.01	0.95	EHD4X48A**	MV16J22**B*	1.02	0.90
ED*4X42J**		0.99	0.99	EHD4X42A**	*8MPV125	1.01	0.92	EHD4X48A**	MV20L24**B*	1.02	0.90
ED*4X42L**	*9MPV125	1.00	0.94	EHD4X42A**	*9MPV075	1.00	0.95	EHD4X48A**		1.01	0.98
ED*4X42L**	*9MPVX100	0.99	0.93	EHD4X42A**	*9MPV100	1.00	0.94	EMA4X48D**		1.00	0.97
ED*4X42L**	MV20L24**B*	1.00	0.91	EHD4X42A**	*9MPV125	1.00	0.94	FEM4X42****		1.02	0.98
ED*4X42L**		0.99	0.99	EHD4X42A**	*9MPVX060	1.01	0.97	FEM4X48****		1.04	0.91
ED*4X48F**	*8MPV075	1.02	0.98	EHD4X42A**	*9MPVX080	1.02	0.96	FS(M,U)4X48***		1.02	1.00
ED*4X48F**	*9MPV075	1.01	0.97	EHD4X42A**	*9MPVX100	1.01	0.92	FSM4X36****		1.01	0.98
ED*4X48F**	*9MPVX060	1.01	0.97	EHD4X42A**	MV12F19**B*	1.02	0.90	FVM4X48****		1.02	0.90
ED*4X48F**	MV12F19**B*	1.02	0.94	EHD4X42A**	MV16J22**B*	1.02	0.90	FVM4X60****		1.04	0.91
ED*4X48F**		1.02	1.00	EHD4X42A**	MV20L24**B*	1.02	0.90				
ED*4X48J**	*8MPV100	1.02	0.96	EHD4X42A**		0.99	0.96				
<b>H4H348</b>											
>FS(M,U)4X48***		1.00	1.00	ED*4X60J**	MV16J22**B*	1.01	0.89	EHD4X60A**	*8MPV125	1.01	0.93
ED*4X48F**		0.98	0.98	ED*4X60J**		1.01	0.97	EHD4X60A**	*9MPV100	1.01	0.93
ED*4X48J**	*8MPV100	0.99	0.91	ED*4X60L**	*9MPV125	1.01	0.93	EHD4X60A**	*9MPV125	1.01	0.93
ED*4X48J**	*8MPV125	0.99	0.91	ED*4X60L**	*9MPVX100	1.01	0.97	EHD4X60A**	*9MPVX080	1.01	0.97
ED*4X48J**	*9MPV100	0.98	0.94	ED*4X60L**	MV20L24**B*	1.01	0.89	EHD4X60A**	*9MPVX100	1.01	0.97
ED*4X48J**	*9MPVX080	0.98	0.94	ED*4X60L**		1.01	0.97	EHD4X60A**	MV16J22**B*	1.01	0.89
ED*4X48J**	MV16J22**B*	0.99	0.91	EHD4X48A**	*8MPV100	1.00	0.92	EHD4X60A**	MV20L24**B*	1.01	0.89
ED*4X48J**		0.99	0.99	EHD4X48A**	*8MPV125	1.00	0.92	EHD4X60A**		1.01	0.97
ED*4X48L**	*9MPV125	0.98	0.90	EHD4X48A**	*9MPV100	0.99	0.95	EMA4X48D**		0.97	0.97
ED*4X48L**	*9MPVX100	0.98	0.96	EHD4X48A**	*9MPV125	0.99	0.91	FEM4X48****		1.01	0.93
ED*4X48L**	MV20L24**B*	0.99	0.91	EHD4X48A**	*9MPVX080	0.99	0.97	FEM4X60****		1.01	0.93
ED*4X48L**		0.99	0.99	EHD4X48A**	*9MPVX100	0.99	0.95	FS(M,U)4X60***		1.01	0.97
ED*4X60J**	*8MPV100	1.01	0.93	EHD4X48A**	MV16J22**B*	1.00	0.92	FVM4X48****		1.00	0.92
ED*4X60J**	*8MPV125	1.01	0.93	EHD4X48A**	MV20L24**B*	1.00	0.92	FVM4X60****		1.01	0.93
ED*4X60J**	*9MPV100	1.01	0.93	EHD4X48A**		1.00	1.00				
ED*4X60J**	*9MPVX080	1.01	0.97	EHD4X60A**	*8MPV100	1.01	0.93				
<b>H4H360</b>											
>FS(M,U)4X60***		1.00	1.00	ED*4X60L**	MV20L24**B*	1.01	0.99	EHD4X60A**	MV20L24**B*	1.01	0.95
ED*4X60J**	*8MPV125	1.00	0.98	ED*4X60L**		0.99	0.99	EHD4X60A**		1.00	1.00
ED*4X60J**	MV16J22**B*	1.01	0.99	EHD4X60A**	*8MPV125	1.00	0.98	FEM4X60****		1.01	0.97
ED*4X60J**		0.99	0.99	EHD4X60A**	MV16J22**B*	1.01	0.95	FVM4X60****		1.02	0.96

> Indicates Tested Indoor Model

HEATING Multiplying Factors for other Indoor Combinations

Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)
<b>H4H336</b>											
>FSU4X36****		1.00	1.00	ED*4X42J**	*8MPV125	0.97	0.91	EHD4X42A**	*8MPV050	0.97	0.95
ED*4X36B**	*8MPV050	0.98	1.00	ED*4X42J**	*9MPV100	0.97	0.92	EHD4X42A**	*8MPV075	0.96	0.91
ED*4X36B**	MV08B15**B*	0.97	0.94	ED*4X42J**	*9MVX080	0.97	0.92	EHD4X42A**	*8MPV100	0.95	0.88
ED*4X36B**		0.99	1.00	ED*4X42J**	MV16J22**B*	0.96	0.90	EHD4X42A**	*8MPV125	0.95	0.88
ED*4X36F**	*8MPV075	0.98	0.95	ED*4X42J**		0.99	0.98	EHD4X42A**	*9MPV050	0.97	0.94
ED*4X36F**	*9MPV050	0.99	0.99	ED*4X42L**	*9MPV125	0.97	0.91	EHD4X42A**	*9MPV075	0.96	0.93
ED*4X36F**	*9MPV075	0.98	0.98	ED*4X42L**	MV20L24**B*	0.96	0.90	EHD4X42A**	*9MPV100	0.95	0.89
ED*4X36F**	*9MVX040	0.98	0.99	ED*4X42L**		0.99	0.98	EHD4X42A**	*9MPV125	0.95	0.89
ED*4X36F**	*9MVX060	0.98	0.97	EHD4X36A**	*8MPV050	0.98	0.96	EHD4X42A**	*9MVX040	0.97	0.94
ED*4X36F**	MV12F19**B*	0.97	0.92	EHD4X36A**	*8MPV075	0.97	0.92	EHD4X42A**	*9MVX060	0.96	0.92
ED*4X36F**		0.99	0.99	EHD4X36A**	*8MPV100	0.97	0.90	EHD4X42A**	*9MVX080	0.95	0.89
ED*4X36J**	*8MPV100	0.98	0.93	EHD4X36A**	*8MPV125	0.96	0.89	EHD4X42A**	*9MVX100	0.95	0.89
ED*4X36J**	*8MPV125	0.97	0.92	EHD4X36A**	*9MPV050	0.98	0.96	EHD4X42A**	MV08B15**B	0.95	0.89
ED*4X36J**	*9MPV100	0.98	0.94	EHD4X36A**	*9MPV075	0.97	0.94	EHD4X42A**	MV12F19**B	0.95	0.88
ED*4X36J**	*9MVX080	0.98	0.93	EHD4X36A**	*9MPV100	0.97	0.91	EHD4X42A**	MV16J22**B	0.95	0.88
ED*4X36J**	MV16J22**B*	0.97	0.92	EHD4X36A**	*9MPV125	0.97	0.90	EHD4X42A**	MV20L24**B	0.95	0.88
ED*4X36J**		0.99	0.99	EHD4X36A**	*9MVX040	0.98	0.96	EHD4X42A**	*	0.97	0.94
ED*4X42F**	*8MPV075	0.97	0.94	EHD4X36A**	*9MVX060	0.97	0.93	EMA4X36D**		1.00	1.00
ED*4X42F**	*9MPV050	0.98	0.98	EHD4X36A**	*9MVX080	0.97	0.91	FEM4X36****		0.95	0.91
ED*4X42F**	*9MPV075	0.98	0.96	EHD4X36A**	*9MVX100	0.97	0.91	FEM4X42****		0.95	0.91
ED*4X42F**	*9MVX040	0.98	0.97	EHD4X36A**	MV08B15**B*	0.96	0.90	FS(M,U)4X42***		0.97	0.96
ED*4X42F**	*9MVX060	0.98	0.95	EHD4X36A**	MV12F19**B*	0.96	0.89	FSA4X36**A*		0.98	0.99
ED*4X42F**	MV12F19**B*	0.96	0.91	EHD4X36A**	MV16J22**B*	0.95	0.89	FSM4X36****		0.97	0.96
ED*4X42F**		0.99	0.98	EHD4X36A**	MV20L24**B*	0.96	0.89	FVM4X24****		0.98	0.95
ED*4X42J**	*8MPV100	0.97	0.91	EHD4X36A**		0.98	0.95	FVM4X36****		0.97	0.93
<b>H4H342</b>											
>FS(M,U)4X42***		1.00	1.00	ED*4X48J**	*8MPV125	0.99	0.94	EHD4X48A**	*8MPV075	0.99	0.95
ED*4X42F**	*8MPV075	0.99	1.00	ED*4X48J**	*9MPV100	0.99	0.95	EHD4X48A**	*8MPV100	0.99	0.93
ED*4X42F**	*9MPV075	1.00	1.04	ED*4X48J**	*9MVX080	0.99	0.95	EHD4X48A**	*8MPV125	0.99	0.92
ED*4X42F**	*9MVX060	1.00	1.03	ED*4X48J**	MV16J22**B*	0.98	0.92	EHD4X48A**	*9MPV075	0.99	0.97
ED*4X42F**	MV12F19**B*	0.98	0.97	ED*4X48J**		1.00	0.98	EHD4X48A**	*9MPV100	0.99	0.94
ED*4X42F**		1.00	1.01	ED*4X48L**	*9MPV125	0.99	0.94	EHD4X48A**	*9MPV125	0.99	0.93
ED*4X42J**	*8MPV100	1.00	0.98	ED*4X48L**	*9MVX100	0.98	0.94	EHD4X48A**	*9MVX060	1.00	0.97
ED*4X42J**	*8MPV125	1.00	0.98	ED*4X48L**	MV20L24**B*	0.98	0.92	EHD4X48A**	*9MVX080	1.00	0.95
ED*4X42J**	*9MPV100	1.00	1.00	ED*4X48L**		1.00	0.98	EHD4X48A**	*9MVX100	1.00	0.95

> Indicates Tested Indoor Model

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**HEATING** Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)
ED*4X42J**	*9MVX080	1.00	1.00	EHD4X42A**	*8MPV075	1.00	0.97	EHD4X48A**	MV12F19**B	0.99	0.93
ED*4X42J**	MV16J22**B*	0.98	0.96	EHD4X42A**	*8MPV100	1.00	0.94	EHD4X48A**	MV16J22**B	0.99	0.92
ED*4X42J**		1.00	1.01	EHD4X42A**	*8MPV125	1.00	0.94	EHD4X48A**	MV20L24**B	0.99	0.92
ED*4X42L**	*9MPV125	1.00	0.99	EHD4X42A**	*9MPV075	1.00	0.99	EHD4X48A**	*	1.00	0.96
ED*4X42L**	*9MVX100	0.99	0.99	EHD4X42A**	*9MPV100	1.00	0.96	EMA4X48D**		1.00	0.99
ED*4X42L**	MV20L24**B*	0.98	0.96	EHD4X42A**	*9MPV125	1.00	0.95	FEM4X42****		1.00	0.96
ED*4X42L**		1.00	1.01	EHD4X42A**	*9MVX060	1.00	0.98	FEM4X48****		0.95	0.90
ED*4X48F**	*8MPV075	0.98	0.95	EHD4X42A**	*9MVX080	1.00	0.95	FS(M,U)4X48***		0.98	0.98
ED*4X48F**	*9MPV075	0.98	0.97	EHD4X42A**	*9MVX100	1.00	0.96	FSM4X36****		1.00	0.99
ED*4X48F**	*9MVX060	0.98	0.96	EHD4X42A**	MV12F19**B*	0.99	0.93	FVM4X48****		0.96	0.92
ED*4X48F**	MV12F19**B*	0.96	0.91	EHD4X42A**	MV16J22**B*	0.99	0.93	FVM4X60****		0.93	0.88
ED*4X48F**		0.98	0.96	EHD4X42A**	MV20L24**B*	0.99	0.93				
ED*4X48J**	*8MPV100	0.99	0.94	EHD4X42A**		1.00	0.97				
<b>H4H348</b>											
>FS(M,U)4X48*		1.00	1.00	ED*4X60J**	MV16J22**B*	0.96	0.92	EHD4X60A**	*8MPV125	0.99	0.94
ED*4X48F**		1.00	0.99	ED*4X60J**		0.95	0.95	EHD4X60A**	*9MPV100	0.99	0.95
ED*4X48J**	*8MPV100	1.00	0.97	ED*4X60L**	*9MPV125	0.97	0.95	EHD4X60A**	*9MPV125	0.99	0.95
ED*4X48J**	*8MPV125	1.00	0.97	ED*4X60L**	*9MVX100	0.97	0.95	EHD4X60A**	*9MVX080	0.99	0.95
ED*4X48J**	*9MPV100	1.00	0.99	ED*4X60L**	MV20L24**B*	0.96	0.92	EHD4X60A**	*9MVX100	0.99	0.95
ED*4X48J**	*9MVX080	1.00	0.98	ED*4X60L**		0.95	0.95	EHD4X60A**	MV16J22**B	0.98	0.92
ED*4X48J**	MV16J22**B*	0.99	0.95	EHD4X48A**	*8MPV100	1.00	0.96	EHD4X60A**	MV20L24**B	0.98	0.92
ED*4X48J**		1.00	0.98	EHD4X48A**	*8MPV125	1.00	0.96	EHD4X60A**	*	1.00	0.97
ED*4X48L**	*9MPV125	1.00	0.98	EHD4X48A**	*9MPV100	1.00	0.98	EMA4X48D**		1.00	1.03
ED*4X48L**	*9MVX100	1.00	0.98	EHD4X48A**	*9MPV125	1.00	0.97	FEM4X48****		0.99	0.95
ED*4X48L**	MV20L24**B*	0.99	0.95	EHD4X48A**	*9MVX080	1.00	0.97	FEM4X60****		0.96	0.91
ED*4X48L**		1.00	0.98	EHD4X48A**	*9MVX100	1.00	0.98	FS(M,U)4X60*		0.97	0.97
ED*4X60J**	*8MPV100	0.96	0.93	EHD4X48A**	MV16J22**B*	1.00	0.95	FVM4X48****		0.98	0.94
ED*4X60J**	*8MPV125	0.96	0.93	EHD4X48A**	MV20L24**B*	1.00	0.95	FVM4X60****		0.97	0.91
ED*4X60J**	*9MPV100	0.97	0.95	EHD4X48A**		1.00	0.97				
ED*4X60J**	*9MVX080	0.97	0.95	EHD4X60A**	*8MPV100	0.99	0.94				
<b>H4H360</b>											
>FS(M,U)4X60***		1.00	1.00	ED*4X60L**	MV20L24**B*	0.98	0.96	EHD4X60A**	MV20L24**B	0.99	0.95
ED*4X60J**	*8MPV125	0.99	0.98	ED*4X60L**		0.99	0.99	EHD4X60A**	*	1.00	0.99
ED*4X60J**	MV16J22**B*	0.98	0.96	EHD4X60A**	*8MPV125	1.01	0.98	FEM4X60****		0.98	0.95
ED*4X60J**		0.99	0.99	EHD4X60A**	MV16J22**B*	0.99	0.95	FVM4X60****		0.98	0.94

> Indicates Tested Indoor Model

<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (3-Phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>H</b>	<b>4</b>	<b>H</b>	<b>3</b>	<b>36</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>1</b>	<b>0</b>	<b>0</b>
Product Family											
2 = R-22											
4 = R-410A	<b>REFRIGERANT</b>										
A = Air Conditioner											
H = Heat Pump			<b>TYPE</b>								
3 = 13 SEER			<b>NOMINAL EFFICIENCY</b>								
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						<b>FEATURES</b>					
H = 208/230-3-60											
L = 460-3-60						<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)									