

# TECHNICAL SUPPORT MANUAL

## Split System Heat Pump

### (C,H,T)4H4

#### 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

C4H418GKD200	H4H418GKD200	T4H418GKD200
C4H419GKD100	H4H419GKD100	T4H419GKD100
C4H424GKD200	H4H424GKD200	T4H424GKD200
C4H430GKD200	H4H430GKD200	T4H430GKD200
C4H436GKD200	H4H436GKD200	T4H436GKD200
C4H442GKD200	H4H442GKD200	T4H442GKD200
C4H448GKD200	H4H448GKD200	T4H448GKD200
C4H460GKD300	H4H460GKD300	T4H460GKD300
C4H461GKD100	H4H461GKD100	T4H461GKD100

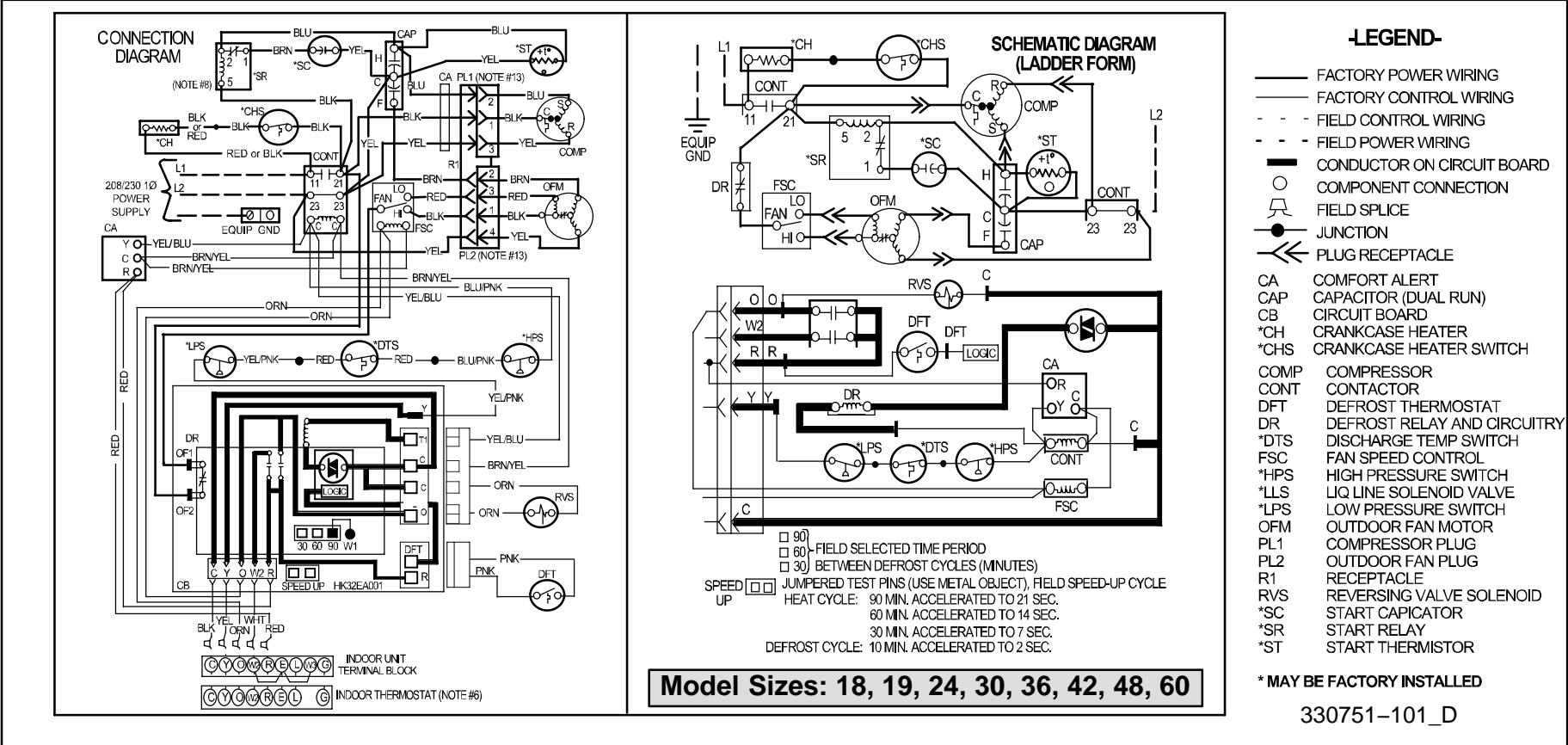
**PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD**

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.

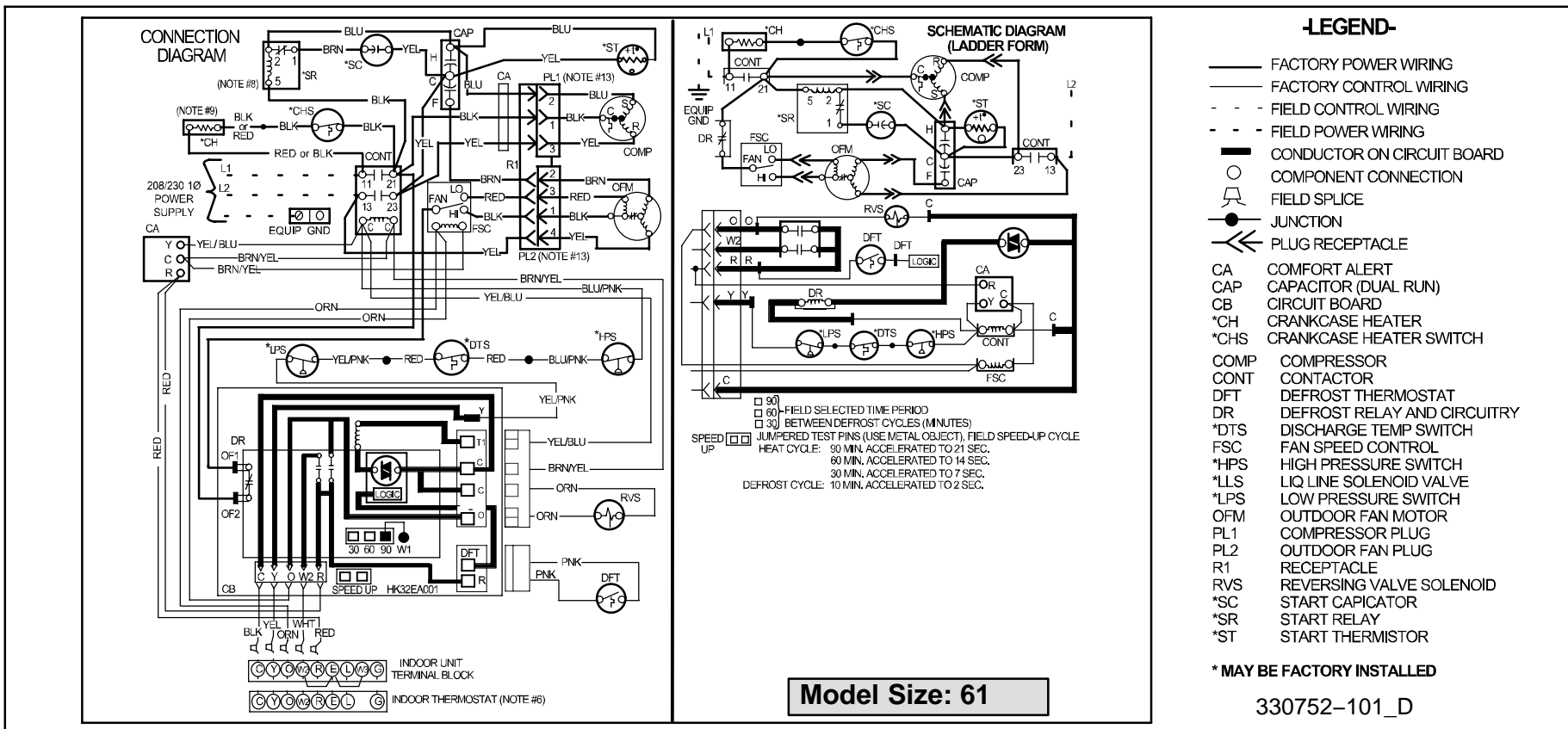
The information contained in this manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.

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.



**NOTES:**

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. Use copper conductors only. Use conductors suitable for at least 75°C (167°F).
6. Must use thermostat and sub-base as stated in pre-sale literature.
7. If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN/YEL lead.
8. When start relay and start capacitor are installed, start thermistor is not used.
9. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
10. Check all electrical connections inside control box for tightness.
11. Do not attempt to operate unit until service valves have been opened.
12. Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
13. Not for interrupting current.



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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 6–12)

- † Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' 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		18 Size Outdoor With FEM4X18**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		72	67	63	62††	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
525	MBh†	21.03	19.06	17.66	17.31	16.70	20.03	18.13	16.79	16.45	16.02	18.98	17.16	15.86	15.56	15.30	17.86	16.12	14.92	14.64	14.54	16.67	15.02	13.85	13.72	13.72
	S/T‡	0.51	0.68	0.71	0.89	1.00	0.51	0.70	0.72	0.91	1.00	0.52	0.71	0.74	0.94	1.00	0.53	0.73	0.76	0.96	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
	HI PR	263	261	260	259	259	305	302	301	300	300	350	348	346	346	345	400	398	396	396	396	456	454	452	452	452
	LO PR	155	142	132	130	126	157	144	134	132	129	159	146	137	135	133	162	149	139	137	137	165	152	142	141	141
600	MBh†	21.49	19.49	18.06	17.73	17.41	20.45	18.52	17.15	16.86	16.69	19.36	17.50	16.19	15.95	15.94	18.20	16.43	15.17	15.13	15.13	16.97	15.28	14.09	14.26	14.26
	S/T‡	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.75	0.95	1.00	0.54	0.74	0.77	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.79	0.82	1.00	1.00
	AMPS*	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08
	HI PR	264	262	260	260	260	305	303	301	301	301	351	348	347	346	346	401	399	397	397	397	456	454	452	453	453
	LO PR	158	145	135	134	131	160	147	137	136	135	163	149	140	138	138	165	152	142	142	142	168	154	144	146	146
625	MBh†	21.62	19.60	18.17	17.86	17.63	20.57	18.62	17.25	16.99	16.90	19.46	17.60	16.28	16.12	16.12	18.29	16.51	15.25	15.30	15.30	17.05	15.35	14.16	14.42	14.42
	S/T‡	0.52	0.72	0.75	0.94	1.00	0.53	0.74	0.77	0.96	1.00	0.54	0.76	0.78	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.57	0.81	0.84	1.00	1.00
	AMPS*	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
	HI PR	264	262	260	260	260	305	303	301	301	301	351	349	347	347	347	401	399	397	397	397	457	454	452	453	453
	LO PR	159	146	136	135	133	161	148	138	137	136	163	150	140	140	140	166	153	143	143	143	168	155	145	148	148

HEATING		18 Size Outdoor With FEM4X18**** 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	65	70	75																
525	MBh†	6.35	6.02	5.68	8.24	7.94	7.62	10.29	10.00	9.69	12.59	12.25	11.93	15.18	14.85	14.45	18.06	17.67	17.29	21.27	20.82	20.38	24.82	24.33	23.84																
	T/R	12.80	12.20	11.60	16.70	16.20	15.70	21.10	20.60	20.20	26.00	25.50	25.00	31.70	31.20	30.60	38.10	37.60	37.00	45.50	44.80	44.20	53.80	53.10	52.50																
	AMPS*	4.86	5.07	5.27	5.10	5.33	5.57	5.34	5.60	5.87	5.63	5.90	6.18	5.99	6.28	6.57	6.42	6.73	7.05	6.96	7.28	7.62	7.63	7.97	8.32																
	HI PR	232	248	264	247	264	281	265	282	301	287	305	323	314	333	352	348	367	388	388	409	430	436	458	480																
	LO PR	41	41	41	53	53	53	66	66	67	82	82	82	99	99	100	118	119	119	140	140	141	163	164	164																
600	MBh†	6.47	6.15	5.80	8.38	8.08	7.77	10.46	10.17	9.86	12.81	12.47	12.13	15.46	15.11	14.73	18.40	18.00	17.61	21.69	21.24	20.79	25.25	24.84	24.35																
	T/R	11.40	10.90	10.40	14.80	14.40	14.00	18.60	18.30	17.90	23.00	22.60	22.20	28.00	27.60	27.10	33.70	33.20	32.80	40.20	39.70	39.10	47.40	47.00	46.40																
	AMPS*	4.86	5.07	5.28	5.07	5.31	5.54	5.28	5.54	5.81	5.54	5.81	6.09	5.86	6.15	6.44	6.25	6.55	6.87	6.75	7.06	7.39	7.29	7.66	8.03																
	HI PR	228	243	260	241	258	275	257	275	293	277	295	313	303	321	340	333	352	372	371	391	411	411	434	458																
	LO PR	41	41	41	53	53	53	66	66	67	82	82	82	99	99	100	118	118	119	139	140	140	162	163	164																
675	MBh†	6.57	6.25	5.91	8.50	8.20	7.88	10.59	10.30	10.00	12.98	12.65	12.31	15.68	15.33	14.97	18.66	18.26	17.86	21.99	21.55	21.11	25.40	25.08	24.69																
	T/R	10.20	9.80	9.40	13.30	13.00	12.60	16.70	16.40	16.10	20.60	20.30	19.90	25.10	24.80	24.40	30.20	29.80	29.40	36.00	35.50	35.10	42.00	41.80	41.50																
	AMPS*	4.87	5.08	5.29	5.06	5.30	5.54	5.25	5.51	5.78	5.48	5.75	6.03	5.77	6.06	6.36	6.14	6.43	6.74	6.61	6.92	7.23	7.05	7.41	7.78																
	HI PR	224	240	257	237	254	271	251	269	287	270	288	306	294	312	331	323	341	361	358	378	398	393	415	438																
	LO PR	41	41	41	52	53	53	66	66	67	81	82	82	99	99	99	118	118	119	139	139	140	160	162	163																

COOLING		19 Size Outdoor With FEM4X18**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		72	67	63	62††	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
525	MBh†	21.45	19.37	17.89	17.51	16.75	20.42	18.43	17.02	16.66	16.10	19.32	17.43	16.09	15.77	15.40	18.18	16.38	15.10	14.82	14.65	16.96	15.27	14.06	13.87	13.84
	S/T‡	0.51	0.69	0.71	0.89	1.00	0.52	0.70	0.73	0.91	1.00	0.53	0.72	0.74	0.94	1.00	0.53	0.74	0.76	0.97	1.00	0.55	0.76	0.79	1.00	1.00
	AMPS*	4.74	4.75	4.76	4.77	4.77	5.43	5.42	5.41	5.41	5.41	6.14	6.13	6.12	6.12	6.11	6.92	6.90	6.90	6.89	6.89	7.78	7.76	7.76	7.75	7.75
	HI PR	265	262	260	259	258	307	304	302	301	300	353	351	349	348	347	404	401	400	399	399	459	456	454	454	454
	LO PR	154	141	131	129	124	156	143	133	131	127	159	145	136	133	131	161	148	138	136	135	164	151	141	139	139
600	MBh†	21.96	19.84	18.33	17.97	17.53	20.87	18.85	17.41	17.09	16.83	19.73	17.80	16.44	16.18	16.08	18.53	16.71	15.41	15.30	15.27	17.27	15.54	14.33	14.44	14.42
	S/T‡	0.52	0.72	0.74	0.93	1.00	0.53	0.73	0.76	0.96	1.00	0.54	0.75	0.78	0.98	1.00	0.55	0.77	0.80	1.00	1.00	0.57	0.80	0.83	1.00	1.00
	AMPS*	4.79	4.80	4.81	4.81	4.82	5.48	5.47	5.47	5.47	5.47	6.20	6.19	6.18	6.17	6.17	6.97	6.95	6.95	6.95	6.95	7.84	7.82	7.81	7.81	7.81
	HI PR	266	263	261	260	259	308	305	303	302	302	354	352	350	349	349	404	402	400	400	400	460	457	455	455	455
	LO PR	157	144	134	132	129	160	146	136	134	133	162	149	138	137	136	165	151	141	140	140	167	154	143	145	144
675	MBh†	22.36	20.20	18.67	18.37	18.19	21.22	19.17	17.72	17.48	17.45	20.03	18.08	16.70	16.67	16.65	18.80	16.95	15.65	15.82	15.80	17.49	15.76	14.53	14.92	14.90
	S/T‡	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	1.00	1.00	0.56	0.78	0.81	1.00	1.00	0.57	0.81	0.84	1.00	1.00	0.59	0.84	0.87	1.00	1.00
	AMPS*	4.85	4.85	4.86	4.86	4.86	5.53	5.53	5.52	5.52	5.52	6.25	6.24	6.23	6.23	6.23	7.03	7.01	7.00	7.00	7.00	7.90	7.87	7.86	7.86	7.86
	HI PR	266	263	261	261	261	308	306	303	303	303	354	352	350	350	350	405	402	401	401	401	460	457	455	456	456
	LO PR	160	147	137	135	134	162	149	139	138	137	165	151	141	141	141	167	153	143	145	145	170	156	145	149	149

HEATING		19 Size Outdoor With FEM4X18**** Indoor Heating																																							
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																																							
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		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	65	70	75																
525	MBh†	5.39	5.12	4.83	7.50	7.22	6.92	9.98	9.74	9.33	12.30	12.05	11.79	14.91	14.60	14.29	17.88	17.51	17.16	21.18	20.77	20.35	24.80	24.33	23.87																
	T/R	10.60	10.00	9.40	14.70	14.10	13.50	19.60	19.10	18.20	24.10	23.60	23.00	29.30	28.60	27.90	35.10	34.30	33.50	41.60	40.70	39.80	48.70	47.60	46.60																
	AMPS*	4.50	4.69	4.90	4.74	4.94	5.16	4.99	5.23	5.45	5.24	5.49	5.75	5.55	5.80	6.08	5.94	6.21	6.50	6.46	6.74	7.04	7.13	7.42	7.74																
	HI PR	223	238	254	239	255	272	259	276	293	280	297	316	305	323	341	336	354	373	373	392	411	418	438	458																
	LO PR	40	41	41	52	52	52	65	65	65	80	80	80	97	97	98	116	117	117	138	138	139	161	162	163																
600	MBh†	5.47	5.21	4.92	7.61	7.34	7.04	10.10	9.88	9.62	12.46	12.21	11.95	15.13	14.82	14.50	18.17	17.80	17.43	21.55	21.12	20.70	25.23	24.76	24.29																
	T/R	9.40	8.90	8.40	13.10	12.60	12.00	17.30	16.90	16.40	21.40	20.90	20.40	26.00	25.40	24.80	31.20	30.50	29.80	37.00	36.20	35.40	43.30	42.40	41.50																
	AMPS*	4.51	4.70	4.91	4.72	4.93	5.15	4.95	5.19	5.43	5.17	5.42	5.68	5.45	5.71	5.97	5.81	6.08	6.36	6.30	6.57	6.87	6.94	7.23	7.53																
	HI PR	219	235	251	234	250	267	252	269	287	271	288	307	294	312	331	323	341	360	359	377	397	402	421	441																
	LO PR	40	40	41	52	52	52	65	65	65	80	80	80	97	97	97	116	117	117	137	138	138	161	161	162																
675	MBh†	5.55	5.29	5.00	7.72	7.44	7.14	10.21	9.99	9.74	12.60	12.34	12.08	15.31	14.99	14.68	18.40	18.03	17.66	21.82	21.39	20.97	25.53	25.07	24.60																
	T/R	8.50	8.10	7.60	11.80	11.30	10.80	15.60	15.20	14.80	19.20	18.80	18.40	23.40	22.80	22.30	28.10	27.50	26.80	33.30	32.60	31.90	39.00	38.20	37.40																
	AMPS*	4.53	4.72	4.93	4.73	4.94	5.16	4.93	5.17	5.41	5.13	5.38	5.63	5.39	5.64	5.90	5.73	5.99	6.27	6.20	6.47	6.75	6.82	7.11	7.40																
	HI PR	217	233	249	230	247	263	247	264	282	264	282	300	286	304	322	314	332	350	349	367	386	390	409	429																
	LO PR	40	40	41	52	52	52	65	65	65	80	80	80	97	97	97	116	116	117	137	138	138	160	161	162																

COOLING		24 Size Outdoor With FS(M,U)4X30**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
700	MBh†	27.78	25.42	23.69	23.23	22.41	26.42	24.18	22.53	22.10	21.50	24.98	22.86	21.30	20.91	20.54	23.49	21.47	20.00	19.67	19.51	21.89	20.00	18.62	18.40	18.40
	S/T‡	0.51	0.69	0.72	0.90	1.00	0.52	0.70	0.73	0.92	1.00	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.77	0.97	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	6.89	6.88	6.88	6.88	6.88	7.71	7.71	7.71	7.71	7.70	8.62	8.62	8.62	8.62	8.62	9.63	9.62	9.62	9.62	9.62	10.73	10.72	10.71	10.71	10.71
	HI PR	256	254	252	252	251	296	294	292	292	291	341	338	336	336	335	389	386	384	384	383	442	439	437	437	436
	LO PR	154	141	131	129	125	157	144	134	131	128	159	146	136	134	132	162	148	138	136	135	165	151	141	140	140
800	MBh†	28.25	25.87	24.13	23.71	23.27	26.84	24.57	22.92	22.55	22.31	25.35	23.20	21.64	21.34	21.28	23.78	21.76	20.29	20.18	20.19	22.13	20.24	18.86	19.00	19.00
	S/T‡	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.76	0.97	1.00	0.54	0.76	0.78	0.99	1.00	0.55	0.78	0.80	1.00	1.00	0.57	0.81	0.83	1.00	1.00
	AMPS*	7.04	7.04	7.03	7.03	7.03	7.86	7.86	7.86	7.86	7.86	8.77	8.77	8.77	8.77	8.77	9.78	9.77	9.77	9.77	9.77	10.88	10.87	10.87	10.86	10.87
	HI PR	257	254	253	253	252	297	295	293	292	292	341	339	337	336	336	390	387	385	385	385	442	440	437	438	438
	LO PR	158	145	135	133	130	160	147	137	135	134	162	149	139	137	137	165	151	141	141	141	167	154	143	145	145
900	MBh†	28.60	26.20	24.46	24.12	23.99	27.14	24.86	23.20	22.98	22.97	25.60	23.45	21.88	21.88	21.89	23.99	21.96	20.49	20.73	20.73	22.30	20.40	19.03	19.48	19.49
	S/T‡	0.54	0.75	0.78	0.98	1.00	0.55	0.77	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.57	0.82	0.84	1.00	1.00	0.59	0.85	0.87	1.00	1.00
	AMPS*	7.19	7.19	7.19	7.19	7.19	8.01	8.01	8.01	8.01	8.01	8.92	8.92	8.92	8.92	8.92	9.93	9.93	9.92	9.92	9.92	11.03	11.03	11.02	11.02	11.02
	HI PR	257	255	253	253	253	297	295	293	293	293	342	339	337	337	337	390	387	385	386	386	443	440	438	439	439
	LO PR	161	147	137	136	135	163	149	139	138	138	165	151	141	142	142	167	154	143	145	145	170	156	145	149	149

HEATING		24 Size Outdoor With FS(M,U)4X30**** 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	65	70	75																
700	MBh†	9.03	8.66	8.25	11.51	11.17	10.81	14.16	13.84	13.50	17.15	16.78	16.39	20.52	20.11	19.71	24.13	23.77	23.36	27.24	27.06	26.79	30.45	30.49	30.15																
	T/R	14.00	13.50	13.00	17.90	17.60	17.10	22.30	21.90	21.60	27.20	26.80	26.40	32.90	32.50	32.10	39.10	38.80	38.50	44.60	44.70	44.60	50.30	50.90	50.70																
	AMPS*	6.26	6.51	6.76	6.61	6.90	7.20	6.96	7.29	7.63	7.39	7.74	8.09	7.91	8.28	8.67	8.43	8.85	9.28	8.95	9.41	9.87	9.52	10.05	10.53																
	HI PR	231	247	263	247	263	281	264	282	300	287	305	324	316	334	354	344	365	387	373	397	420	405	432	456																
	LO PR	39	39	39	50	50	51	63	64	64	78	78	79	95	95	95	112	113	114	127	129	131	142	146	147																
800	MBh†	9.22	8.85	8.45	11.72	11.39	11.02	14.40	14.08	13.74	17.45	17.07	16.69	20.87	20.47	20.06	24.24	24.00	23.69	27.28	27.03	26.85	28.82	29.28	29.62																
	T/R	12.50	12.10	11.60	15.90	15.60	15.20	19.70	19.40	19.10	24.10	23.80	23.40	29.10	28.70	28.40	34.10	34.00	33.90	38.60	38.60	38.70	41.00	42.10	43.00																
	AMPS*	6.33	6.59	6.85	6.65	6.95	7.25	6.97	7.30	7.63	7.36	7.70	8.05	7.83	8.20	8.58	8.25	8.67	9.09	8.72	9.14	9.61	8.92	9.50	10.08																
	HI PR	227	243	259	241	258	275	257	274	293	278	296	314	304	323	342	328	349	370	354	376	399	366	396	425																
	LO PR	39	39	39	50	50	51	63	63	64	78	78	79	94	95	95	111	112	113	125	126	128	132	137	141																
900	MBh†	9.40	9.03	8.62	11.90	11.57	11.22	14.62	14.28	13.95	17.73	17.32	16.94	21.15	20.75	20.35	24.25	24.05	23.83	26.58	27.01	26.79	27.42	28.01	28.52																
	T/R	11.30	10.90	10.50	14.30	14.10	13.70	17.70	17.50	17.20	21.70	21.30	21.00	26.00	25.80	25.50	30.10	30.10	30.10	33.10	34.00	34.10	34.30	35.40	36.40																
	AMPS*	6.42	6.69	6.94	6.71	7.01	7.32	7.00	7.33	7.67	7.37	7.71	8.06	7.79	8.17	8.55	8.17	8.57	8.99	8.49	9.01	9.45	8.57	9.12	9.69																
	HI PR	224	240	256	236	253	271	251	268	287	271	288	307	294	314	333	316	337	358	335	362	384	339	368	397																
	LO PR	39	39	39	50	50	51	63	63	64	78	78	78	94	95	95	109	110	112	119	124	126	123	128	134																



COOLING		30 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		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
875	MBh†	34.58	31.36	29.06	28.49	27.61	33.01	29.89	27.68	27.15	26.53	31.34	28.35	26.22	25.75	25.39	29.57	26.71	24.67	24.28	24.17	27.66	24.94	23.01	22.84	22.85
	S/T‡	0.50	0.68	0.71	0.90	1.00	0.50	0.70	0.72	0.92	1.00	0.51	0.71	0.74	0.94	1.00	0.52	0.73	0.76	0.96	1.00	0.53	0.75	0.78	1.00	1.00
	AMPS*	8.68	8.67	8.66	8.66	8.66	9.63	9.61	9.61	9.60	9.60	10.68	10.67	10.66	10.66	10.65	11.85	11.83	11.82	11.81	11.81	13.12	13.10	13.09	13.09	13.09
	HI PR	260	257	255	254	253	301	298	295	294	294	346	342	339	339	338	395	391	388	387	387	449	444	441	441	441
	LO PR	156	143	134	132	128	158	145	136	134	131	161	148	138	136	134	163	150	140	138	138	166	152	142	142	142
1000	MBh†	35.23	31.94	29.60	29.09	28.68	33.58	30.41	28.16	27.72	27.54	31.85	28.80	26.64	26.34	26.33	30.01	27.10	25.04	25.04	25.04	28.04	25.27	23.32	23.64	23.64
	S/T‡	0.51	0.71	0.74	0.94	1.00	0.52	0.73	0.75	0.96	1.00	0.53	0.74	0.77	1.00	1.00	0.54	0.77	0.79	1.00	1.00	0.55	0.79	0.82	1.00	1.00
	AMPS*	8.91	8.89	8.88	8.88	8.88	9.85	9.83	9.83	9.82	9.82	10.90	10.89	10.88	10.88	10.88	12.07	12.05	12.04	12.04	12.04	13.35	13.32	13.31	13.31	13.31
	HI PR	261	258	255	255	255	302	298	296	295	295	347	343	340	340	340	396	392	389	389	389	450	445	442	442	442
	LO PR	160	146	137	135	133	162	148	138	137	136	164	150	140	139	139	166	153	142	143	143	168	155	145	147	147
1125	MBh†	35.70	32.36	30.00	29.60	29.57	34.01	30.78	28.51	28.37	28.37	32.22	29.13	26.95	27.11	27.11	30.33	27.38	25.30	25.75	25.75	28.30	25.51	23.54	24.28	24.29
	S/T‡	0.53	0.74	0.77	1.00	1.00	0.53	0.76	0.79	1.00	1.00	0.54	0.78	0.81	1.00	1.00	0.56	0.80	0.83	1.00	1.00	0.57	0.83	0.86	1.00	1.00
	AMPS*	9.13	9.11	9.10	9.10	9.10	10.07	10.05	10.04	10.04	10.04	11.13	11.11	11.10	11.10	11.10	12.29	12.27	12.26	12.26	12.26	13.57	13.55	13.53	13.53	13.53
	HI PR	261	258	256	256	256	303	299	296	296	296	348	344	341	341	341	397	393	389	390	390	450	446	442	444	444
	LO PR	162	149	139	138	138	164	151	141	141	141	166	153	143	144	144	168	155	145	147	147	171	157	147	151	151

HEATING		30 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	65	70	75								
875	MBh†	11.58	11.10	10.59	14.63	14.20	13.74	17.91	17.50	17.06	21.47	21.02	20.61	25.55	25.07	24.50	30.03	29.48	28.94	35.06	34.44	33.82	40.65	39.97	39.27								
	T/R	13.30	12.90	12.40	17.00	16.60	16.20	20.90	20.60	20.30	25.30	25.00	24.70	30.40	30.10	29.60	36.10	35.70	35.30	42.60	42.20	41.70	50.00	49.60	49.10								
	AMPS*	8.29	8.61	8.93	8.66	9.02	9.39	9.02	9.42	9.83	9.45	9.87	10.31	9.97	10.42	10.87	10.59	11.06	11.55	11.36	11.85	12.36	12.31	12.83	13.36								
	HI PR	231	247	263	245	262	280	262	280	298	282	300	320	308	327	346	337	357	378	374	395	416	419	441	463								
	LO PR	38	38	39	49	50	50	62	63	63	77	77	77	93	93	94	111	112	112	131	132	132	153	153	154								
1000	MBh†	11.85	11.37	10.86	14.92	14.50	14.04	18.23	17.82	17.39	21.86	21.39	20.96	25.99	25.50	24.96	30.55	30.00	29.45	35.68	35.06	34.44	41.37	40.69	40.02								
	T/R	11.90	11.50	11.10	15.10	14.80	14.40	18.60	18.30	18.00	22.40	22.10	21.90	26.90	26.60	26.20	31.90	31.60	31.20	37.60	37.20	36.90	44.10	43.70	43.30								
	AMPS*	8.43	8.75	9.07	8.75	9.12	9.49	9.08	9.47	9.89	9.46	9.87	10.31	9.93	10.38	10.82	10.50	10.96	11.44	11.22	11.69	12.19	11.98	12.57	13.12								
	HI PR	227	243	260	240	257	274	255	272	291	273	291	310	297	316	335	324	344	364	359	379	400	397	421	444								
	LO PR	38	38	39	49	50	50	62	62	63	77	77	77	93	93	94	111	111	112	131	131	132	152	153	153								
1125	MBh†	12.09	11.62	11.11	15.18	14.76	14.31	18.51	18.11	17.68	22.19	21.72	21.27	26.36	25.87	25.39	30.98	30.43	29.88	36.16	35.55	34.93	41.80	41.20	40.56								
	T/R	10.80	10.50	10.10	13.60	13.40	13.10	16.70	16.50	16.20	20.10	19.90	19.60	24.10	23.90	23.60	28.60	28.30	28.00	33.60	33.30	33.00	39.30	39.00	38.70								
	AMPS*	8.58	8.91	9.23	8.87	9.24	9.61	9.16	9.56	9.97	9.52	9.93	10.36	9.96	10.39	10.85	10.50	10.95	11.42	11.19	11.65	12.13	11.81	12.35	12.93								
	HI PR	224	240	256	236	252	270	249	267	285	267	284	303	288	307	327	315	334	354	349	368	388	381	403	427								
	LO PR	38	38	38	49	50	50	62	62	63	77	77	77	93	93	93	111	111	112	130	131	131	151	152	153								

COOLING		36 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		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1050	MBh†	41.90	38.05	35.28	34.58	33.39	40.00	36.30	33.62	32.97	32.10	38.00	34.44	31.87	31.28	30.74	35.86	32.46	30.01	29.50	29.27	33.55	30.33	28.00	27.68	27.68
	S/T‡	0.52	0.70	0.73	0.92	1.00	0.52	0.72	0.75	0.94	1.00	0.53	0.73	0.76	0.97	1.00	0.54	0.75	0.78	0.99	1.00	0.55	0.77	0.80	1.00	1.00
	AMPS*	10.58	10.53	10.50	10.49	10.48	11.73	11.69	11.65	11.64	11.63	13.01	12.96	12.92	12.92	12.91	14.42	14.37	14.33	14.32	14.31	15.96	15.90	15.85	15.85	15.85
	HI PR	261	258	255	255	254	302	299	296	296	295	348	344	341	340	340	397	393	390	389	389	451	447	443	443	443
	LO PR	155	142	133	131	126	157	144	135	133	129	160	147	137	135	133	162	149	139	137	136	165	151	141	140	140
1200	MBh†	42.70	38.76	35.95	35.31	34.71	40.72	36.92	34.23	33.66	33.34	38.62	35.00	32.41	31.93	31.89	36.40	32.94	30.47	30.34	30.34	34.00	30.74	28.40	28.65	28.66
	S/T‡	0.53	0.73	0.76	0.97	1.00	0.54	0.75	0.78	0.99	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.57	0.81	0.84	1.00	1.00
	AMPS*	10.86	10.80	10.77	10.76	10.76	12.01	11.95	11.92	11.91	11.91	13.28	13.23	13.19	13.19	13.19	14.69	14.64	14.60	14.60	14.59	16.24	16.17	16.13	16.13	16.13
	HI PR	261	258	256	256	255	303	300	297	296	296	349	345	342	341	341	398	394	391	391	391	452	447	444	444	444
	LO PR	159	146	136	134	132	161	148	138	136	135	163	150	140	138	138	165	152	142	142	142	167	154	144	145	145
1350	MBh†	43.29	39.29	36.45	35.95	35.81	41.24	37.41	34.66	34.37	34.38	39.08	35.41	32.79	32.84	32.85	36.79	33.30	30.81	31.22	31.22	34.31	31.03	28.68	29.45	29.45
	S/T‡	0.54	0.76	0.79	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.56	0.80	0.83	1.00	1.00	0.57	0.82	0.85	1.00	1.00	0.59	0.85	0.88	1.00	1.00
	AMPS*	11.13	11.07	11.03	11.03	11.03	12.28	12.22	12.18	12.18	12.18	13.55	13.50	13.46	13.46	13.46	14.96	14.91	14.86	14.87	14.87	16.50	16.44	16.39	16.41	16.41
	HI PR	262	259	257	256	256	304	300	298	297	297	349	345	342	343	343	399	395	391	392	392	453	448	445	446	446
	LO PR	161	148	138	137	136	163	150	140	139	139	165	152	142	143	143	167	154	144	146	146	170	156	146	150	150

HEATING		36 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	65	70	75																
1050	MBh†	14.10	13.65	13.16	17.58	17.17	16.73	21.40	20.94	20.50	25.78	25.30	24.75	30.60	30.08	29.54	36.09	35.48	34.87	41.58	41.19	40.74	45.62	45.99	45.48																
	T/R	14.00	13.70	13.30	17.60	17.30	17.00	21.50	21.30	21.00	26.20	25.90	25.60	31.40	31.10	30.80	37.40	37.10	36.70	43.60	43.50	43.40	48.20	49.10	48.90																
	AMPS*	9.40	9.77	10.13	9.84	10.27	10.69	10.33	10.78	11.25	10.92	11.41	11.89	11.62	12.13	12.66	12.41	13.04	13.59	13.23	13.82	14.43	13.91	14.67	15.29																
	HI PR	232	248	265	245	263	281	263	280	299	285	303	322	313	331	351	344	367	387	378	399	422	406	434	456																
	LO PR	36	37	37	47	47	48	59	60	60	73	74	74	89	89	90	106	107	107	123	124	126	135	139	140																
1200	MBh†	14.39	13.94	13.46	17.89	17.49	17.05	21.77	21.31	20.85	26.18	25.71	25.24	31.06	30.54	30.00	36.41	36.00	35.41	40.96	41.26	40.90	42.71	43.37	44.25																
	T/R	12.50	12.20	11.90	15.60	15.40	15.10	19.10	18.90	18.60	23.10	22.90	22.70	27.70	27.40	27.20	32.70	32.70	32.40	37.10	37.80	37.80	38.80	39.80	41.10																
	AMPS*	9.55	9.92	10.29	9.95	10.37	10.80	10.40	10.84	11.31	10.95	11.43	11.93	11.62	12.11	12.63	12.26	12.82	13.44	12.99	13.66	14.24	13.19	13.93	14.77																
	HI PR	227	244	261	240	257	275	256	273	291	277	295	313	303	322	341	330	350	373	360	385	406	368	396	427																
	LO PR	36	36	37	47	47	48	59	60	60	73	74	74	89	89	89	105	106	107	119	123	124	124	129	134																
1350	MBh†	14.66	14.21	13.73	18.17	17.77	17.34	22.09	21.63	21.16	26.52	26.05	25.59	31.43	30.90	30.38	36.44	36.14	35.78	39.13	39.97	40.91	40.35	41.56	42.26																
	T/R	11.30	11.00	10.70	14.00	13.80	13.60	17.20	17.00	16.70	20.70	20.60	20.40	24.80	24.60	24.30	28.90	28.90	28.90	31.20	32.20	33.30	32.20	33.60	34.50																
	AMPS*	9.72	10.09	10.47	10.08	10.51	10.94	10.51	10.95	11.41	11.04	11.51	12.00	11.70	12.18	12.68	12.29	12.81	13.36	12.67	13.41	14.21	12.79	13.59	14.33																
	HI PR	224	240	257	235	252	270	250	268	286	271	288	307	297	315	333	322	341	361	338	366	396	343	373	401																
	LO PR	36	36	37	47	47	47	59	60	60	73	73	74	89	89	89	104	105	106	112	117	123	116	122	126																

COOLING		42 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		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1225	MBh†	49.78	45.61	42.50	41.67	40.18	47.27	43.32	40.37	39.60	38.53	44.62	40.92	38.16	37.46	36.80	41.90	38.44	35.87	35.26	34.98	39.03	35.81	33.44	33.04	33.03
	S/T‡	0.50	0.67	0.70	0.88	1.00	0.50	0.69	0.71	0.90	1.00	0.51	0.70	0.73	0.93	1.00	0.52	0.72	0.75	0.95	1.00	0.53	0.75	0.77	1.00	1.00
	AMPS*	11.60	12.02	12.30	12.36	12.48	13.36	13.71	13.94	13.98	14.05	15.16	15.44	15.62	15.65	15.68	17.01	17.23	17.35	17.37	17.38	18.91	19.06	19.13	19.13	19.13
	HI PR	278	274	270	270	268	320	316	312	311	310	366	362	358	357	356	416	411	408	407	406	471	466	462	461	461
	LO PR	157	143	133	131	126	159	145	135	133	130	161	148	137	135	133	164	150	140	138	137	167	153	142	141	141
1400	MBh†	50.58	46.40	43.29	42.51	41.75	47.96	44.01	41.07	40.38	39.98	45.19	41.50	38.75	38.20	38.12	42.37	38.92	36.36	36.17	36.17	39.38	36.19	33.84	34.07	34.08
	S/T‡	0.51	0.70	0.73	0.93	1.00	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.76	0.99	1.00	0.54	0.76	0.79	1.00	1.00	0.55	0.79	0.81	1.00	1.00
	AMPS*	11.79	12.22	12.52	12.57	12.64	13.56	13.93	14.18	14.21	14.24	15.38	15.69	15.88	15.90	15.90	17.25	17.49	17.63	17.63	17.63	19.17	19.34	19.42	19.41	19.41
	HI PR	279	275	271	271	270	321	317	313	313	312	367	363	359	358	358	417	413	409	409	409	471	467	463	463	463
	LO PR	160	147	136	134	132	162	149	138	137	135	165	151	140	139	139	167	153	143	142	142	170	155	145	146	146
1575	MBh†	51.16	46.98	43.86	43.24	43.04	48.45	44.49	41.56	41.16	41.17	45.59	41.90	39.17	39.19	39.19	42.68	39.24	36.70	37.12	37.12	39.61	36.44	34.11	34.90	34.90
	S/T‡	0.53	0.73	0.76	0.96	1.00	0.53	0.75	0.78	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.80	0.82	1.00	1.00	0.57	0.83	0.85	1.00	1.00
	AMPS*	11.99	12.44	12.75	12.79	12.81	13.78	14.17	14.42	14.44	14.44	15.62	15.94	16.14	16.13	16.13	17.51	17.76	17.91	17.88	17.87	19.44	19.62	19.71	19.68	19.68
	HI PR	279	275	272	272	272	322	318	314	314	314	368	363	360	360	360	418	413	410	410	410	472	467	464	465	465
	LO PR	163	149	139	138	137	165	151	141	140	140	167	153	143	144	144	170	155	145	147	147	172	158	147	151	151

HEATING		42 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	65	70	75	65	70	75													
1225	MBh†	17.76	17.18	16.56	21.85	21.30	20.73	26.23	25.71	25.16	30.88	30.38	29.85	36.03	35.44	34.84	41.98	41.26	40.61	48.42	47.80	47.16	55.03	54.17	53.52																
	T/R	14.80	14.40	14.00	18.30	18.00	17.70	22.10	21.90	21.60	26.30	26.10	25.80	30.90	30.60	30.40	36.40	36.00	35.80	42.40	42.20	42.00	48.70	48.30	48.10																
	AMPS*	12.39	12.75	13.11	12.88	13.30	13.72	13.34	13.82	14.30	13.80	14.34	14.89	14.28	14.87	15.47	14.82	15.52	16.17	15.26	15.98	16.71	15.93	16.68	17.46																
	HI PR	231	248	264	245	262	279	260	278	296	278	297	316	300	319	339	325	346	367	351	372	394	384	405	429																
	LO PR	36	36	36	46	46	47	58	58	59	72	72	72	86	87	87	103	103	104	121	122	122	139	140	141																
1400	MBh†	18.12	17.55	16.93	22.24	21.70	21.13	26.65	26.15	25.60	31.34	30.85	30.33	36.69	36.00	35.40	42.67	42.00	41.30	48.81	48.25	47.65	53.30	53.55	53.36																
	T/R	13.20	12.90	12.50	16.20	16.00	15.70	19.60	19.40	19.10	23.20	23.00	22.80	27.40	27.10	26.80	32.10	31.90	31.60	37.00	36.90	36.80	40.70	41.30	41.50																
	AMPS*	12.59	12.95	13.31	13.03	13.45	13.88	13.44	13.92	14.40	13.82	14.37	14.92	14.26	14.83	15.42	14.58	15.29	16.01	15.00	15.71	16.43	15.33	16.17	16.98																
	HI PR	227	243	260	239	256	274	253	270	289	269	288	307	289	308	327	309	330	352	334	355	376	353	379	404																
	LO PR	35	36	36	46	46	47	58	58	59	71	72	72	86	87	87	103	103	104	119	120	121	131	135	137																
1575	MBh†	18.45	17.88	17.26	22.59	22.06	21.49	27.02	26.53	25.99	31.74	31.25	30.74	37.24	36.49	35.88	43.08	42.56	41.89	48.99	48.51	47.98	51.11	51.87	52.40																
	T/R	11.90	11.60	11.30	14.60	14.40	14.20	17.60	17.40	17.20	20.80	20.60	20.50	24.60	24.30	24.10	28.60	28.50	28.30	32.80	32.80	32.70	34.30	35.20	35.90																
	AMPS*	12.81	13.17	13.54	13.21	13.64	14.07	13.58	14.06	14.55	13.91	14.46	15.01	14.30	14.86	15.46	14.52	15.18	15.89	14.88	15.59	16.31	14.96	15.80	16.65																
	HI PR	224	240	257	234	251	269	247	265	283	262	280	299	281	299	319	298	318	339	321	342	363	328	354	382																
	LO PR	35	36	36	46	46	46	58	58	58	71	72	72	86	86	87	102	103	103	118	119	120	123	128	132																

COOLING		48 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		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1400	MBh†	56.53	51.42	47.69	46.71	45.05	53.78	48.87	45.30	44.38	43.21	50.91	46.24	42.84	41.99	41.29	47.93	43.50	40.28	39.54	39.28	44.78	40.62	37.59	37.15	37.15
	S/T‡	0.50	0.68	0.71	0.90	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.71	0.74	0.94	1.00	0.52	0.73	0.76	0.97	1.00	0.54	0.76	0.78	1.00	1.00
	AMPS*	13.65	13.73	13.77	13.78	13.79	15.46	15.50	15.52	15.52	15.52	17.40	17.41	17.41	17.40	17.40	19.49	19.47	19.44	19.43	19.42	21.72	21.67	21.61	21.60	21.60
	HI PR	284	279	275	274	273	327	321	317	316	315	373	368	363	362	361	424	418	413	412	412	479	473	468	467	467
	LO PR	157	143	134	131	127	159	146	136	133	130	161	148	138	136	134	164	150	140	138	137	166	153	142	141	141
1600	MBh†	57.58	52.42	48.65	47.72	46.91	54.71	49.75	46.15	45.32	44.94	51.72	47.00	43.57	42.91	42.89	48.62	44.15	40.91	40.75	40.75	45.35	41.15	38.12	38.47	38.47
	S/T‡	0.52	0.71	0.74	0.94	1.00	0.52	0.73	0.76	0.97	1.00	0.53	0.75	0.78	1.00	1.00	0.54	0.77	0.80	1.00	1.00	0.56	0.80	0.82	1.00	1.00
	AMPS*	13.99	14.06	14.11	14.12	14.13	15.80	15.85	15.87	15.87	15.87	17.75	17.77	17.77	17.76	17.76	19.85	19.83	19.80	19.80	19.80	22.08	22.04	21.98	21.99	21.99
	HI PR	285	280	277	276	275	328	323	318	318	317	375	369	364	364	364	425	419	414	414	414	480	474	469	470	470
	LO PR	160	147	137	135	133	162	149	139	137	136	165	151	141	139	139	167	153	143	143	143	169	155	145	147	147
1800	MBh†	58.34	53.14	49.35	48.61	48.46	55.39	50.39	46.76	46.37	46.37	52.30	47.55	44.11	44.21	44.21	49.11	44.61	41.36	41.95	41.95	45.74	41.53	38.49	39.55	39.55
	S/T‡	0.53	0.74	0.77	0.99	1.00	0.54	0.76	0.79	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.56	0.81	0.84	1.00	1.00	0.58	0.84	0.87	1.00	1.00
	AMPS*	14.33	14.41	14.46	14.46	14.46	16.15	16.20	16.22	16.22	16.22	18.11	18.13	18.13	18.13	18.13	20.20	20.19	20.17	20.17	20.17	22.44	22.40	22.35	22.37	22.37
	HI PR	286	281	278	277	277	329	324	320	319	319	376	370	365	366	366	427	420	416	417	417	481	475	470	472	472
	LO PR	163	150	139	138	138	165	151	141	141	141	167	153	143	144	144	169	156	145	147	147	172	158	147	151	151

HEATING		48 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	65	70	75														
1400	MBh†	20.09	19.53	18.93	24.72	24.19	23.64	29.71	29.20	28.66	35.10	34.59	34.06	41.16	40.48	39.84	47.99	47.22	46.50	55.77	55.05	54.24	63.68	62.85	62.07														
	T/R	14.70	14.40	14.10	18.20	18.00	17.70	22.00	21.80	21.60	26.20	26.00	25.90	31.00	30.70	30.50	36.50	36.20	35.90	42.90	42.70	42.40	49.50	49.30	49.10														
	AMPS*	13.26	13.85	14.44	13.78	14.41	15.06	14.32	15.00	15.70	14.91	15.64	16.40	15.59	16.35	17.15	16.41	17.23	18.07	17.14	18.02	18.94	18.20	19.11	20.06														
	HI PR	230	247	264	243	260	278	258	276	295	276	295	314	297	316	336	323	343	364	348	370	392	382	404	427														
	LO PR	37	37	37	48	48	48	60	60	61	74	74	74	89	89	90	105	106	106	124	125	125	142	144	145														
1600	MBh†	20.49	19.93	19.34	25.15	24.63	24.08	30.17	29.67	29.14	35.61	35.11	34.59	41.82	41.11	40.47	48.81	48.00	47.25	56.16	55.53	54.85	63.43	63.20	62.50														
	T/R	13.10	12.80	12.50	16.10	15.90	15.70	19.50	19.30	19.10	23.10	23.00	22.90	27.40	27.10	26.90	32.20	32.00	31.70	37.40	37.30	37.20	42.70	42.90	42.80														
	AMPS*	13.47	14.05	14.65	13.92	14.56	15.21	14.39	15.07	15.77	14.90	15.64	16.39	15.51	16.25	17.04	16.10	16.99	17.86	16.79	17.65	18.54	17.61	18.58	19.52														
	HI PR	226	242	259	237	254	272	251	269	287	266	285	304	286	304	324	307	328	349	331	351	373	358	382	404														
	LO PR	37	37	37	48	48	48	60	60	60	73	74	74	88	89	89	105	106	106	122	123	124	139	141	142														
1800	MBh†	20.86	20.30	19.71	25.54	25.02	24.47	30.59	30.09	29.57	36.08	35.57	35.05	42.36	41.86	41.01	49.32	48.68	47.91	56.22	55.71	55.15	59.94	60.99	61.67														
	T/R	11.80	11.60	11.30	14.50	14.30	14.20	17.50	17.30	17.20	20.70	20.60	20.50	24.50	24.40	24.10	28.80	28.60	28.40	33.10	33.00	33.00	35.40	36.40	37.20														
	AMPS*	13.71	14.29	14.90	14.12	14.75	15.41	14.54	15.21	15.91	14.99	15.72	16.47	15.53	16.30	17.05	15.99	16.81	17.69	16.63	17.48	18.35	16.93	18.00	19.08														
	HI PR	222	239	256	233	250	268	245	263	281	259	278	297	277	296	315	295	315	336	318	338	359	329	356	383														
	LO PR	37	37	37	48	48	48	60	60	60	73	74	74	88	89	89	104	105	106	120	122	123	129	134	138														

COOLING		60 Size Outdoor With FEM4X60**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1750	MBh†	70.01	64.42	60.24	59.12	57.11	66.65	61.32	57.34	56.29	54.85	63.02	58.00	54.26	53.31	52.42	59.23	54.53	51.03	50.20	49.84	55.15	50.80	47.57	47.02	47.02
	S/T‡	0.52	0.70	0.72	0.91	1.00	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.75	0.95	1.00	0.54	0.75	0.77	0.98	1.00	0.55	0.77	0.80	1.00	1.00
	AMPS*	18.13	17.86	17.65	17.60	17.50	20.07	19.80	19.58	19.53	19.46	22.20	21.93	21.71	21.66	21.61	24.53	24.26	24.04	24.00	23.97	27.05	26.79	26.57	26.54	26.54
	HI PR	296	291	287	286	284	340	335	330	329	327	388	382	377	376	374	439	433	427	426	426	494	488	482	482	482
	LO PR	155	142	132	129	125	157	144	134	132	128	160	146	136	134	132	162	148	138	136	135	165	151	141	140	140
2000	MBh†	71.11	65.52	61.35	60.30	59.29	67.62	62.29	58.32	57.39	56.86	63.85	58.83	55.11	54.33	54.26	59.93	55.23	51.75	51.50	51.50	55.70	51.36	48.16	48.50	48.50
	S/T‡	0.53	0.73	0.75	0.95	1.00	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	1.00	1.00	0.56	0.79	0.81	1.00	1.00	0.57	0.81	0.84	1.00	1.00
	AMPS*	18.51	18.24	18.02	17.98	17.93	20.45	20.17	19.96	19.91	19.89	22.57	22.30	22.08	22.05	22.04	24.90	24.63	24.41	24.40	24.40	27.41	27.15	26.94	26.97	26.97
	HI PR	298	292	288	287	286	342	336	331	330	330	389	383	378	377	377	440	434	429	429	429	495	489	484	485	485
	LO PR	159	145	135	133	131	161	147	137	135	134	163	149	139	137	137	165	151	141	141	141	168	154	143	145	145
2250	MBh†	71.92	66.32	62.16	61.33	61.07	68.32	62.99	59.04	58.50	58.51	64.44	59.42	55.72	55.75	55.76	60.40	55.72	52.27	52.84	52.85	56.07	51.76	48.59	49.67	49.68
	S/T‡	0.55	0.76	0.78	0.99	1.00	0.56	0.78	0.80	1.00	1.00	0.57	0.80	0.82	1.00	1.00	0.58	0.82	0.85	1.00	1.00	0.60	0.86	0.88	1.00	1.00
	AMPS*	18.88	18.60	18.38	18.35	18.34	20.81	20.53	20.32	20.30	20.30	22.93	22.66	22.44	22.45	22.45	25.25	24.98	24.77	24.81	24.81	27.76	27.50	27.29	27.37	27.37
	HI PR	299	294	289	289	288	343	337	332	332	332	390	384	379	380	380	441	435	430	431	431	496	490	485	487	487
	LO PR	161	148	137	136	135	163	150	139	138	138	166	152	141	142	142	168	154	143	146	146	170	156	145	150	150

HEATING		60 Size Outdoor With FEM4X60**** 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	65	70	75																
1750	MBh†	24.88	24.16	23.38	30.75	30.09	29.39	37.05	36.42	35.75	43.79	43.15	42.50	51.61	50.65	49.83	60.33	59.50	58.64	69.11	68.33	67.45	78.57	77.63	76.66																
	T/R	14.00	13.70	13.40	17.50	17.20	17.00	21.20	21.00	20.80	25.20	25.10	24.90	30.00	29.70	29.40	35.40	35.20	35.00	40.90	40.80	40.60	47.00	46.90	46.60																
	AMPS*	16.09	16.84	17.62	16.83	17.65	18.50	17.66	18.54	19.44	18.55	19.49	20.46	19.63	20.57	21.58	20.61	21.66	22.75	21.90	22.99	24.11	23.41	24.54	25.70																
	HI PR	231	247	264	244	261	279	259	277	296	277	295	315	299	318	338	320	341	362	347	369	391	379	401	424																
	LO PR	34	35	35	44	45	45	56	56	56	68	69	69	83	83	84	99	99	100	114	115	116	131	132	133																
2000	MBh†	25.29	24.57	23.80	31.19	30.54	29.84	37.53	36.90	36.25	44.33	43.69	43.04	52.30	51.41	50.52	60.75	60.02	59.29	69.26	68.58	67.85	74.68	75.19	75.35																
	T/R	12.40	12.20	11.90	15.40	15.20	15.00	18.70	18.50	18.40	22.20	22.10	21.90	26.40	26.20	25.90	30.90	30.80	30.70	35.60	35.50	35.40	38.50	39.20	39.60																
	AMPS*	16.23	16.99	17.76	16.89	17.72	18.57	17.65	18.52	19.42	18.44	19.37	20.34	19.42	20.37	21.35	20.25	21.27	22.33	21.38	22.45	23.56	22.06	23.36	24.67																
	HI PR	226	243	260	238	255	273	252	270	288	268	286	306	288	307	326	306	326	347	330	351	373	345	371	397																
	LO PR	34	35	35	44	45	45	56	56	56	68	69	69	83	83	83	98	98	99	113	114	115	122	125	128																
2250	MBh†	25.66	24.94	24.17	31.57	30.94	30.24	37.94	37.34	36.68	44.81	44.16	43.51	52.97	52.11	51.12	60.91	60.31	59.62	68.67	68.57	67.94	71.04	72.04	72.73																
	T/R	11.20	11.00	10.70	13.80	13.70	13.50	16.70	16.60	16.50	19.90	19.80	19.60	23.70	23.50	23.20	27.40	27.40	27.30	31.10	31.30	31.30	32.20	33.00	33.70																
	AMPS*	16.41	17.17	17.95	17.02	17.84	18.69	17.71	18.58	19.48	18.44	19.36	20.32	19.25	20.26	21.26	20.07	21.07	22.11	21.01	22.13	23.22	21.19	22.48	23.79																
	HI PR	223	239	256	234	251	269	246	264	282	261	279	299	278	298	318	296	316	336	316	338	360	320	346	372																
	LO PR	34	35	35	44	45	45	55	56	56	68	69	69	83	83	83	96	97	98	110	112	113	114	118	121																

COOLING		61 Size Outdoor With FEM4X60**** Indoor Cooling																								
		Outdoor Ambient Temperature – Degrees F, Dry Bulb																								
		75				85				95				105				115								
		Entering Indoor Temperature – Degrees F, Wet Bulb																								
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1750	MBh†	69.26	63.11	58.68	57.52	55.51	65.96	60.15	55.93	54.87	53.43	62.48	57.00	53.03	52.08	51.20	58.82	53.67	49.95	49.13	48.78	54.88	50.11	46.65	46.22	46.16
	S/T‡	0.52	0.70	0.73	0.91	1.00	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.76	0.95	1.00	0.54	0.75	0.77	0.98	1.00	0.56	0.78	0.80	1.00	1.00
	AMPS*	16.55	16.25	16.04	15.99	15.91	18.25	17.94	17.71	17.67	17.60	20.15	19.83	19.60	19.56	19.51	22.29	21.97	21.75	21.71	21.69	24.71	24.42	24.20	24.18	24.18
	HI PR	286	280	276	275	274	329	323	319	318	316	376	370	365	364	363	427	420	415	414	414	482	475	470	470	469
	LO PR	156	142	132	130	126	158	144	134	132	129	160	147	136	134	132	163	149	138	137	136	166	151	141	140	140
2000	MBh†	70.53	64.32	59.86	58.81	57.82	67.09	61.22	56.98	56.07	55.57	63.46	57.94	53.95	53.26	53.17	59.63	54.45	50.72	50.64	50.57	55.56	50.76	47.31	47.82	47.76
	S/T‡	0.53	0.73	0.76	0.95	1.00	0.54	0.75	0.77	0.98	1.00	0.55	0.77	0.79	1.00	1.00	0.56	0.79	0.81	1.00	1.00	0.58	0.82	0.84	1.00	1.00
	AMPS*	16.90	16.59	16.37	16.33	16.29	18.60	18.28	18.05	18.01	17.98	20.49	20.16	19.93	19.91	19.90	22.63	22.30	22.07	22.08	22.07	25.04	24.74	24.52	24.56	24.56
	HI PR	287	281	278	277	276	330	324	320	319	319	377	371	366	366	366	428	422	417	417	417	483	476	471	472	472
	LO PR	159	146	135	133	131	161	148	137	136	134	164	150	139	138	138	166	152	141	142	141	168	154	144	146	146
2250	MBh†	71.50	65.25	60.76	59.97	59.74	67.92	62.02	57.76	57.43	57.35	64.16	58.60	54.62	54.86	54.79	60.23	55.03	51.31	52.10	52.04	56.02	51.24	47.79	49.12	49.07
	S/T‡	0.55	0.76	0.79	0.99	1.00	0.56	0.78	0.80	1.00	1.00	0.57	0.80	0.83	1.00	1.00	0.58	0.83	0.85	1.00	1.00	0.60	0.86	0.88	1.00	1.00
	AMPS*	17.24	16.91	16.69	16.66	16.66	18.94	18.60	18.37	18.36	18.35	20.82	20.49	20.25	20.28	20.27	22.95	22.63	22.39	22.45	22.44	25.36	25.06	24.83	24.93	24.92
	HI PR	288	283	279	278	278	331	326	321	321	321	378	372	367	368	368	429	423	418	419	419	484	478	472	475	474
	LO PR	162	148	138	137	136	164	150	140	139	139	166	152	142	143	143	168	154	144	146	146	171	157	146	150	150

HEATING		61 Size Outdoor With FEM4X60**** 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	65	70	75								
1750	MBh†	21.03	19.98	18.87	27.35	26.39	25.33	34.18	33.20	32.20	41.83	40.67	39.61	50.20	49.48	48.80	58.39	57.50	56.63	68.00	66.90	65.83	79.28	77.89	76.51								
	T/R	11.10	10.50	9.90	14.40	13.80	13.30	18.00	17.40	16.80	22.00	21.30	20.70	26.40	26.00	25.50	30.70	30.20	29.60	35.70	35.10	34.50	41.70	40.90	40.00								
	AMPS*	14.53	15.14	15.77	15.16	15.80	16.49	15.79	16.48	17.21	16.51	17.22	17.98	17.39	18.19	19.05	18.25	19.08	19.96	19.35	20.20	21.12	20.64	21.60	22.59								
	HI PR	220	235	251	233	249	265	248	264	281	265	281	299	285	304	323	306	325	344	331	350	370	359	380	402								
	LO PR	35	35	35	45	45	45	56	57	57	69	70	70	84	84	84	100	101	101	120	120	120	142	142	142								
2000	MBh†	21.45	20.39	19.28	27.87	26.86	25.80	34.73	33.75	32.74	43.42	41.32	40.25	50.81	50.09	49.37	59.16	58.25	57.35	68.99	67.88	66.77	80.69	79.32	77.95								
	T/R	9.90	9.40	8.80	12.80	12.30	11.80	16.00	15.50	15.00	20.00	19.00	18.40	23.40	23.00	22.60	27.20	26.70	26.30	31.70	31.20	30.60	37.10	36.40	35.70								
	AMPS*	14.70	15.31	15.95	15.28	15.92	16.60	15.84	16.53	17.26	16.61	17.20	17.96	17.26	18.07	18.90	18.05	18.87	19.72	19.06	19.90	20.79	20.12	21.02	22.01								
	HI PR	217	232	248	229	245	261	242	258	275	260	274	292	276	294	313	294	313	333	317	336	356	341	361	383								
	LO PR	34	35	35	45	45	45	56	57	57	69	70	70	84	84	84	100	101	101	119	120	120	141	142	142								
2250	MBh†	21.82	20.76	19.65	28.29	27.28	26.17	35.19	34.22	33.20	43.86	41.91	40.79	51.32	50.59	49.83	59.82	58.90	57.98	69.82	68.68	67.56	81.55	80.33	79.08								
	T/R	8.90	8.50	8.00	11.60	11.10	10.70	14.40	14.00	13.50	17.90	17.10	16.60	21.00	20.60	20.30	24.50	24.00	23.60	28.50	28.00	27.50	33.30	32.80	32.20								
	AMPS*	14.89	15.50	16.15	15.43	16.07	16.75	15.94	16.63	17.36	16.64	17.25	18.00	17.23	18.04	18.86	17.97	18.78	19.63	18.91	19.73	20.61	19.81	20.70	21.64								
	HI PR	215	230	246	226	241	258	237	254	271	254	268	286	269	287	306	286	304	324	307	326	346	328	348	369								
	LO PR	34	35	35	45	45	45	56	56	57	69	69	70	84	84	84	100	100	101	119	120	120	141	141	142								

**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>(C,H,T)4H418</b>											
>FEM4X18****		1.00	1.00	ED*4X24F**	*9MPV075	1.03	0.99	EHD4X24A**	MV08B15**B*	1.01	0.96
ED*4X18B**	*8MPV050	1.00	1.00	ED*4X24F**		0.99	1.09	EHD4X24A**		1.01	1.10
ED*4X18B**	MV08B15**B*	0.98	0.94	EHD4X24A**	*8MPV050	1.02	0.98	EMA4X24D**		0.99	1.09
ED*4X24B**	*8MPV050	1.02	0.98	EHD4X24A**	*9MPV050	1.03	1.03	FEM4X24****		1.01	0.96
ED*4X24B**	MV08B15**B*	1.00	0.96	EHD4X24A**	*9MPV075	1.03	1.03	FSA4X24**A*		0.99	1.08
ED*4X24B**		0.99	1.09	EHD4X24A**	*9MVX040	1.03	1.03	FVM4X24****		1.01	0.96
ED*4X24F**	*9MPV050	1.03	0.99	EHD4X24A**	*9MVX060	1.03	1.03				
<b>(C,H,T)4H419</b>											
>FEM4X18****		1.00	1.00	ED*4X24F**		1.00	1.09	FEA4X24**A*		1.01	1.01
ED*4X18B**	*8MPV050	1.01	1.01	EHD4X24A**	*8MPV050	1.01	1.01	FEA4X30**A*		1.01	1.01
ED*4X18B**	MV08B15**B*	0.98	0.98	EHD4X24A**	*9MPV050	1.01	1.01	FEA4X36**A*		1.01	1.01
ED*4X18B**		0.98	1.09	EHD4X24A**	*9MPV075	1.01	1.01	FEM4X24****		1.01	1.01
ED*4X24B**	*8MPV050	1.01	1.01	EHD4X24A**	*9MVX040	1.01	1.01	FS(M,U)4X18****		0.98	1.10
ED*4X24B**	MV08B15**B*	1.01	0.97	EHD4X24A**	*9MVX060	1.01	1.01	FS(M,U)4X24****		0.99	1.10
ED*4X24B**		1.00	1.09	EHD4X24A**	MV08B15**B*	1.01	0.97	FSA4X18**A*		0.98	1.10
ED*4X24F**	*9MPV050	1.01	1.01	EHD4X24A**		1.01	1.10	FSA4X24**A*		0.99	1.08
ED*4X24F**	*9MPV075	1.01	1.01	EMA4X24D**		1.00	1.09	FVM4X24****		1.01	0.97
ED*4X24F**	*9MVX040	1.01	1.01	FEA4X18**A*		1.01	1.01				
ED*4X24F**	*9MVX060	1.01	1.01	FEA4X24**A*		1.01	1.01				
<b>(C,H,T)4H424</b>											
>FS(M,U)4X30****		1.00	1.00	ED*4X30F**	MV12F19**B*	1.01	0.93	EHD4X30A**	*8MPV100	1.03	0.94
ED*4X24B**	*8MPV050	1.01	0.97	ED*4X30F**		1.01	1.04	EHD4X30A**	*8MPV125	1.03	0.94
ED*4X24B**	MV08B15**B*	1.00	0.92	EHD4X24A**	*8MPV050	1.02	0.97	EHD4X30A**	*9MPV050	1.02	0.94
ED*4X24B**		0.99	1.02	EHD4X24A**	*8MPV075	1.02	0.94	EHD4X30A**	*9MPV075	1.02	0.94
ED*4X24F**	*8MPV075	1.01	0.93	EHD4X24A**	*8MPV100	1.03	0.94	EHD4X30A**	*9MPV100	1.03	0.95
ED*4X24F**	*9MPV050	1.00	0.96	EHD4X24A**	*8MPV125	1.03	0.94	EHD4X30A**	*9MPV125	1.03	0.94
ED*4X24F**	*9MPV075	1.00	0.96	EHD4X24A**	*9MPV050	1.00	0.96	EHD4X30A**	*9MVX040	1.02	0.97
ED*4X24F**	*9MVX040	1.00	0.96	EHD4X24A**	*9MPV075	1.00	0.96	EHD4X30A**	*9MVX060	1.03	0.98
ED*4X24F**	*9MVX060	1.01	0.97	EHD4X24A**	*9MPV100	1.02	0.97	EHD4X30A**	*9MVX080	1.03	0.95
ED*4X24F**	MV12F19**B*	1.00	0.92	EHD4X24A**	*9MPV125	1.02	0.94	EHD4X30A**	*9MVX100	1.03	0.95

> Indicates Tested Indoor Model

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*4X24F**		0.99	1.02	EHD4X24A**	*9MVX040	1.00	0.96	EHD4X30A**	MV08B15**B*	1.02	0.94
ED*4X30B**	*8MPV050	1.02	0.97	EHD4X24A**	*9MVX060	1.01	0.97	EHD4X30A**	MV12F19**B*	1.02	0.94
ED*4X30B**	MV08B15**B*	1.01	0.93	EHD4X24A**	*9MVX080	1.03	0.98	EHD4X30A**		1.01	1.04
ED*4X30B**		1.01	1.04	EHD4X24A**	*9MVX100	1.02	0.94	EMA4X24D**		0.99	1.02
ED*4X30F**	*8MPV075	1.03	0.95	EHD4X24A**	MV08B15**B*	1.01	0.93	FEM4X24****		1.00	0.96
ED*4X30F**	*9MPV050	1.02	0.94	EHD4X24A**	MV12F19**B*	1.01	0.93	FEM4X30****		1.02	0.94
ED*4X30F**	*9MPV075	1.02	0.94	EHD4X24A**		1.01	1.04	FS(M,U)4X24****		0.98	1.01
ED*4X30F**	*9MVX040	1.02	0.97	EHD4X30A**	*8MPV050	1.03	0.98	FVM4X24****		1.01	0.91
ED*4X30F**	*9MVX060	1.03	0.98	EHD4X30A**	*8MPV075	1.03	0.94	FVM4X36****		1.02	0.90
(C,H,T)4H430											
>FSU4X36****		1.00	1.00	ED*4X36J**	*8MPV125	1.02	0.90	EHD4X36A**	*8MPV125	1.03	0.92
ED*4X30B**	*8MPV050	1.00	0.96	ED*4X36J**	*9MPV100	1.02	0.90	EHD4X36A**	*9MPV050	1.02	0.94
ED*4X30B**	MV08B15**B*	1.01	0.93	ED*4X36J**	*9MVX080	1.02	0.90	EHD4X36A**	*9MPV075	1.02	0.94
ED*4X30B**		1.00	1.00	ED*4X36J**		1.01	1.01	EHD4X36A**	*9MPV100	1.03	0.92
ED*4X30F**	*8MPV075	1.01	0.93	EHD4X30A**	*8MPV050	1.01	0.96	EHD4X36A**	*9MPV125	1.03	0.92
ED*4X30F**	*9MPV050	1.00	0.92	EHD4X30A**	*8MPV075	1.01	0.93	EHD4X36A**	*9MVX040	1.02	0.94
ED*4X30F**	*9MPV075	1.00	0.92	EHD4X30A**	*8MPV100	1.01	0.90	EHD4X36A**	*9MVX060	1.03	0.95
ED*4X30F**	*9MVX040	1.00	0.96	EHD4X30A**	*8MPV125	1.01	0.90	EHD4X36A**	*9MVX080	1.04	0.92
ED*4X30F**	*9MVX060	1.01	0.93	EHD4X30A**	*9MPV050	1.00	0.92	EHD4X36A**	*9MVX100	1.03	0.91
ED*4X30F**	MV12F19**B*	1.01	0.89	EHD4X30A**	*9MPV075	1.00	0.92	EHD4X36A**	MV08B15**B*	1.03	0.91
ED*4X30F**		1.00	1.00	EHD4X30A**	*9MPV100	1.01	0.93	EHD4X36A**	MV12F19**B*	1.03	0.91
ED*4X36B**	*8MPV050	1.01	0.96	EHD4X30A**	*9MPV125	1.01	0.89	EHD4X36A**		1.02	0.98
ED*4X36B**	MV08B15**B*	1.01	0.89	EHD4X30A**	*9MVX040	1.00	0.96	EMA4X36D**		1.00	1.00
ED*4X36B**		1.01	1.01	EHD4X30A**	*9MVX060	1.01	0.93	FEM4X30****		1.01	0.93
ED*4X36F**	*8MPV075	1.01	0.91	EHD4X30A**	*9MVX080	1.01	0.93	FEM4X36****		1.03	0.92
ED*4X36F**	*9MPV050	1.00	0.92	EHD4X30A**	*9MVX100	1.01	0.93	FS(M,U)4X30****		0.99	0.99
ED*4X36F**	*9MPV075	1.01	0.93	EHD4X30A**	MV08B15**B*	1.01	0.90	FSM4X36****		1.02	0.98
ED*4X36F**	*9MVX040	1.00	0.92	EHD4X30A**	MV12F19**B*	1.01	0.90	FVM4X24****		1.01	0.89
ED*4X36F**	*9MVX060	1.01	0.93	EHD4X30A**		1.01	1.01	FVM4X36****		1.01	0.89
ED*4X36F**	MV12F19**B*	1.01	0.90	EHD4X36A**	*8MPV050	1.03	0.95	FVM4X48****		1.04	0.92
ED*4X36F**		1.01	1.01	EHD4X36A**	*8MPV075	1.03	0.92				

> Indicates Tested Indoor Model



**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*4X36J**	*8MPV100	1.02	0.90	EHD4X36A**	*8MPV100	1.03	0.92				
<b>(C,H,T)4H436</b>											
>FS(M,U)4X42****		1.00	1.00	ED*4X42J**		0.99	1.02	EHD4X42A**	*8MPV100	1.02	0.90
ED*4X36B**	*8MPV050	0.96	0.99	ED*4X42L**	*9MPV125	1.01	0.93	EHD4X42A**	*8MPV125	1.02	0.90
ED*4X36B**	MV08B15**B*	0.98	0.94	ED*4X42L**	*9MVX100	1.00	0.92	EHD4X42A**	*9MPV050	1.00	0.96
ED*4X36B**		0.97	1.00	ED*4X42L**	MV20L24**B*	0.99	0.91	EHD4X42A**	*9MPV075	1.01	0.93
ED*4X36F**	*8MPV075	0.98	0.94	ED*4X42L**		0.99	1.02	EHD4X42A**	*9MPV100	1.02	0.94
ED*4X36F**	*9MPV050	0.97	1.00	ED*4X48F**	MV12F19**B*	1.02	0.90	EHD4X42A**	*9MPV125	1.02	0.90
ED*4X36F**	*9MPV075	0.97	0.93	EHD4X36A**	*8MPV050	0.99	0.95	EHD4X42A**	*9MVX040	1.00	1.00
ED*4X36F**	*9MVX040	0.97	1.00	EHD4X36A**	*8MPV075	1.01	0.93	EHD4X42A**	*9MVX060	1.01	0.97
ED*4X36F**	*9MVX060	0.98	0.98	EHD4X36A**	*8MPV100	1.02	0.94	EHD4X42A**	*9MVX080	1.02	0.94
ED*4X36F**	MV12F19**B*	0.99	0.91	EHD4X36A**	*8MPV125	1.02	0.90	EHD4X42A**	*9MVX100	1.02	0.94
ED*4X36F**		0.98	1.01	EHD4X36A**	*9MPV050	0.99	0.95	EHD4X42A**	MV08B15**B*	1.01	0.93
ED*4X36J**	*8MPV100	1.00	0.92	EHD4X36A**	*9MPV075	0.99	0.95	EHD4X42A**	MV12F19**B*	1.02	0.94
ED*4X36J**	*8MPV125	1.00	0.92	EHD4X36A**	*9MPV100	1.01	0.93	EHD4X42A**	MV16J22**B*	1.02	0.94
ED*4X36J**	*9MPV100	0.99	0.91	EHD4X36A**	*9MPV125	1.01	0.93	EHD4X42A**	MV20L24**B*	1.02	0.94
ED*4X36J**	*9MVX080	0.99	0.95	EHD4X36A**	*9MVX040	0.99	0.99	EHD4X42A**		1.01	0.97
ED*4X36J**	MV16J22**B*	0.99	0.91	EHD4X36A**	*9MVX060	1.00	0.96	EMA4X36D**		0.98	1.00
ED*4X36J**		0.98	1.01	EHD4X36A**	*9MVX080	1.02	0.94	FEM4X36****		1.02	0.94
ED*4X42F**	*9MVX040	0.98	0.98	EHD4X36A**	*9MVX100	1.01	0.93	FEM4X42****		1.02	0.94
ED*4X42F**	*9MVX060	0.99	0.95	EHD4X36A**	MV08B15**B*	1.01	0.93	FSM4X36****		1.00	1.03
ED*4X42F**	MV12F19**B*	0.99	0.91	EHD4X36A**	MV12F19**B*	1.01	0.93	FSU4X36****		0.98	1.00
ED*4X42J**	*8MPV100	1.01	0.93	EHD4X36A**	MV16J22**B*	1.01	0.93	FVM4X24****		0.98	0.90
ED*4X42J**	*8MPV125	1.01	0.89	EHD4X36A**	MV20L24**B*	1.01	0.93	FVM4X36****		0.99	0.87
ED*4X42J**	*9MPV100	1.00	0.92	EHD4X36A**		1.01	1.03	FVM4X48****		1.02	0.90
ED*4X42J**	*9MVX080	1.01	0.96	EHD4X42A**	*8MPV050	0.99	0.95	FVM4X60****		1.03	0.91
ED*4X42J**	MV16J22**B*	0.99	0.91	EHD4X42A**	*8MPV075	1.01	0.93				
<b>(C,H,T)4H442</b>											
>FS(M,U)4X48****		1.00	1.00	ED*4X48J**	*8MPV125	1.01	0.97	EHD4X48A**	*8MPV075	1.01	0.97
ED*4X42F**	*8MPV075	0.98	0.98	ED*4X48J**	*9MPV100	1.01	0.97	EHD4X48A**	*8MPV100	1.01	0.97
ED*4X42F**	*9MPV075	0.96	0.99	ED*4X48J**	*9MVX080	1.01	0.97	EHD4X48A**	*8MPV125	1.01	0.93

> Indicates Tested Indoor Model

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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*4X42F**	*9MVX060	0.98	1.00	ED*4X48J**	MV16J22**B*	1.01	0.93	EHD4X48A**	*9MPV075	1.00	1.00
ED*4X42F**	MV12F19**B*	0.99	0.95	ED*4X48J**		1.00	1.00	EHD4X48A**	*9MPV100	1.01	0.97
ED*4X42F**		0.99	1.01	ED*4X48L**	*9MPV125	1.01	0.97	EHD4X48A**	*9MPV125	1.01	0.97
ED*4X42J**	*8MPV100	0.99	0.95	ED*4X48L**	*9MVX100	1.00	0.96	EHD4X48A**	*9MVX060	1.00	1.00
ED*4X42J**	*8MPV125	0.99	0.95	ED*4X48L**	MV20L24**B*	1.01	0.93	EHD4X48A**	*9MVX080	1.01	0.97
ED*4X42J**	*9MPV100	0.99	0.99	ED*4X48L**		1.00	1.00	EHD4X48A**	*9MVX100	1.01	0.97
ED*4X42J**	*9MVX080	0.99	0.99	EHD4X42A**	*8MPV075	1.00	0.97	EHD4X48A**	MV12F19**B*	1.01	0.93
ED*4X42J**	MV16J22**B*	0.99	0.91	EHD4X42A**	*8MPV100	1.01	0.97	EHD4X48A**	MV16J22**B*	1.01	0.93
ED*4X42J**		0.99	1.01	EHD4X42A**	*8MPV125	1.01	0.93	EHD4X48A**	MV20L24**B*	1.01	0.93
ED*4X42L**	*9MPV125	0.99	0.95	EHD4X42A**	*9MPV075	1.00	1.00	EHD4X48A**		1.01	1.01
ED*4X42L**	*9MVX100	0.99	0.95	EHD4X42A**	*9MPV100	1.01	0.97	EMA4X48D**		1.00	1.03
ED*4X42L**	MV20L24**B*	0.99	0.91	EHD4X42A**	*9MPV125	1.01	0.97	FEM4X42****		1.01	0.97
ED*4X42L**		0.99	1.01	EHD4X42A**	*9MVX060	1.00	1.00	FEM4X48****		1.01	0.93
ED*4X48F**	*8MPV075	1.01	0.97	EHD4X42A**	*9MVX080	1.01	0.97	FS(M,U)4X42****		1.00	1.05
ED*4X48F**	*9MPV075	1.00	1.00	EHD4X42A**	*9MVX100	1.00	0.96	FVM4X36****		0.98	0.94
ED*4X48F**	*9MVX060	1.00	1.00	EHD4X42A**	MV12F19**B*	1.01	0.93	FVM4X48****		1.01	0.93
ED*4X48F**	MV12F19**B*	1.01	0.93	EHD4X42A**	MV16J22**B*	1.01	0.93	FVM4X60****		1.01	0.90
ED*4X48F**		1.01	1.01	EHD4X42A**	MV20L24**B*	1.01	0.93				
ED*4X48J**	*8MPV100	1.01	0.97	EHD4X42A**		1.01	1.01				
(C,H,T)4H448											
>FS(M,U)4X60****		1.00	1.00	ED*4X60J**	MV16J22**B*	1.01	0.93	EHD4X60A**	*8MPV125	1.02	0.94
ED*4X48F**		0.98	0.98	ED*4X60J**		1.01	1.01	EHD4X60A**	*9MPV100	1.01	0.97
ED*4X48J**	*8MPV100	0.99	0.99	ED*4X60L**	*9MPV125	1.01	0.97	EHD4X60A**	*9MPV125	1.01	0.97
ED*4X48J**	*8MPV125	0.99	0.95	ED*4X60L**	*9MVX100	1.00	0.96	EHD4X60A**	*9MVX080	1.01	0.97
ED*4X48J**	*9MPV100	0.98	0.98	ED*4X60L**	MV20L24**B*	1.01	0.93	EHD4X60A**	*9MVX100	1.01	0.97
ED*4X48J**	*9MVX080	0.98	0.98	ED*4X60L**		1.01	1.01	EHD4X60A**	MV16J22**B*	1.01	0.89
ED*4X48J**	MV16J22**B*	0.99	0.91	EHD4X48A**	*8MPV100	0.99	0.95	EHD4X60A**	MV20L24**B*	1.01	0.89
ED*4X48J**		0.99	0.99	EHD4X48A**	*8MPV125	1.00	0.96	EHD4X60A**		1.01	1.01
ED*4X48L**	*9MPV125	0.98	0.98	EHD4X48A**	*9MPV100	0.99	0.99	EMA4X48D**		0.97	0.97
ED*4X48L**	*9MVX100	0.98	0.98	EHD4X48A**	*9MPV125	0.99	0.95	FEM4X48****		1.01	0.97
ED*4X48L**	MV20L24**B*	0.99	0.91	EHD4X48A**	*9MVX080	0.99	0.99	FEM4X60****		1.02	0.94

> Indicates Tested Indoor Model

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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*4X48L**		0.99	0.99	EHD4X48A**	*9MVX100	0.99	0.99	FS(M,U)4X48****		1.00	1.00
ED*4X60J**	*8MPV100	1.01	0.97	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****		1.02	0.90
ED*4X60J**	*9MPV100	1.01	0.97	EHD4X48A**		1.00	1.00				
ED*4X60J**	*9MVX080	1.01	0.97	EHD4X60A**	*8MPV100	1.02	0.98				
<b>(C,H,T)4H460</b>											
>FEM4X60****		1.00	1.00	ED*4X60L**	MV20L24**B*	1.01	1.01	EHD4X60A**	MV20L24**B*	1.01	1.01
ED*4X60J**	*8MPV125	1.00	1.05	ED*4X60L**		1.00	1.05	EHD4X60A**		1.00	1.05
ED*4X60J**	MV16J22**B*	1.01	1.01	EHD4X60A**	*8MPV125	1.01	1.05	FVM4X60****		1.02	1.02
ED*4X60J**		1.00	1.05	EHD4X60A**	MV16J22**B*	1.01	1.01				
<b>(C,H,T)4H461</b>											
>FEM4X60****		1.00	1.00	EHD4X60A**	*8MPV125	0.99	1.03	EHD4X60A**	MV20L24**B*	1.00	1.00
FS(M,U)4X60****		0.99	1.08	ED*4X60J**	MV16J22**B*	0.99	0.99	ED*4X60J**		0.98	1.07
FVM4X60****		1.00	1.00	EHD4X60A**	MV16J22**B*	1.00	1.00	ED*4X60L**		0.98	1.07
ED*4X60J**	*8MPV125	0.99	1.08	ED*4X60L**	MV20L24**B*	0.99	0.99	EHD4X60A**		0.99	1.08

> 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>(C,H,T)4H418</b>											
>FEM4X18****		1.00	1.00	ED*4X24F**	*9MPV075	1.00	0.95	EHD4X24A**	MV08B15**B*	1.00	0.99
ED*4X18B**	*8MPV050	1.00	1.02	ED*4X24F**		1.00	1.04	EHD4X24A**		1.00	1.02
ED*4X18B**	MV08B15**B*	1.00	1.04	EHD4X24A**	*8MPV050	1.00	0.96	EMA4X24D**		1.00	1.02
ED*4X24B**	*8MPV050	1.00	0.96	EHD4X24A**	*9MPV050	1.00	0.95	FEM4X24****		1.00	0.99
ED*4X24B**	MV08B15**B*	1.00	1.00	EHD4X24A**	*9MPV075	1.00	0.95	FSA4X24**A*		1.00	1.05
ED*4X24B**		1.00	1.04	EHD4X24A**	*9MVX040	1.00	0.95	FVM4X24****		1.00	0.98
ED*4X24F**	*9MPV050	1.00	0.95	EHD4X24A**	*9MVX060	1.00	0.95				
<b>(C,H,T)4H419</b>											
>FEM4X18****		1.00	1.00	ED*4X24F**		1.01	1.05	FEA4X24**A*		1.00	0.98
ED*4X18B**	*8MPV050	1.01	1.01	EHD4X24A**	*8MPV050	1.01	0.97	FEA4X30**A*		1.01	0.99
ED*4X18B**	MV08B15**B*	0.98	1.01	EHD4X24A**	*9MPV050	1.01	0.97	FEA4X36**A*		1.01	0.99
ED*4X18B**		1.01	1.09	EHD4X24A**	*9MPV075	1.01	0.97	FEM4X24****		1.00	0.99
ED*4X24B**	*8MPV050	1.01	0.98	EHD4X24A**	*9MVX040	1.01	0.97	FS(M,U)4X18****		1.01	1.08
ED*4X24B**	MV08B15**B*	0.98	0.98	EHD4X24A**	*9MVX060	1.01	0.97	FS(M,U)4X24****		1.01	1.08
ED*4X24B**		1.01	1.05	EHD4X24A**	MV08B15**B*	0.99	0.97	FSA4X18**A*		1.01	1.08
ED*4X24F**	*9MPV050	1.01	0.97	EHD4X24A**		1.01	1.04	FSA4X24**A*		1.01	1.07
ED*4X24F**	*9MPV075	1.01	0.97	EMA4X24D**		1.01	1.04	FVM4X24****		0.99	0.97
ED*4X24F**	*9MVX040	1.01	0.98	FEA4X18**A*		1.00	1.00				
ED*4X24F**	*9MVX060	1.01	0.97	FEA4X24**A*		1.00	0.98				
<b>(C,H,T)4H424</b>											
>FS(M,U)4X30***		1.00	1.00	ED*4X30F**	MV12F19**B*	0.98	0.95	EHD4X30A**	*8MPV100	0.98	0.93
ED*4X24B**	*8MPV050	1.00	0.97	ED*4X30F**		1.00	1.02	EHD4X30A**	*8MPV125	0.98	0.93
ED*4X24B**	MV08B15**B*	1.00	0.98	EHD4X24A**	*8MPV050	1.00	0.96	EHD4X30A**	*9MPV050	0.99	0.98
ED*4X24B**		1.00	1.01	EHD4X24A**	*8MPV075	1.00	0.95	EHD4X30A**	*9MPV075	0.99	0.97
ED*4X24F**	*8MPV075	1.00	0.95	EHD4X24A**	*8MPV100	1.00	0.93	EHD4X30A**	*9MPV100	0.98	0.94
ED*4X24F**	*9MPV050	1.00	0.98	EHD4X24A**	*8MPV125	1.00	0.93	EHD4X30A**	*9MPV125	0.98	0.94
ED*4X24F**	*9MPV075	1.00	0.98	EHD4X24A**	*9MPV050	1.00	0.98	EHD4X30A**	*9MVX040	0.99	0.98
ED*4X24F**	*9MVX040	1.00	0.98	EHD4X24A**	*9MPV075	1.00	0.98	EHD4X30A**	*9MVX060	0.99	0.96
ED*4X24F**	*9MVX060	1.00	0.96	EHD4X24A**	*9MPV100	1.00	0.95	EHD4X30A**	*9MVX080	0.98	0.93
ED*4X24F**	MV12F19**B*	1.00	0.98	EHD4X24A**	*9MPV125	1.00	0.94	EHD4X30A**	*9MVX100	0.98	0.94

> 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*4X24F**		1.00	1.01	EHD4X24A**	*9MVX040	1.00	0.97	EHD4X30A**	MV08B15**B*	0.98	0.95
ED*4X30B**	*8MPV050	1.00	0.98	EHD4X24A**	*9MVX060	1.00	0.96	EHD4X30A**	MV12F19**B*	0.98	0.95
ED*4X30B**	MV08B15**B*	0.98	0.95	EHD4X24A**	*9MVX080	1.00	0.93	EHD4X30A**		1.00	1.01
ED*4X30B**		1.00	1.02	EHD4X24A**	*9MVX100	1.00	0.94	EMA4X24D**		1.00	0.99
ED*4X30F**	*8MPV075	0.99	0.94	EHD4X24A**	MV08B15**B*	1.00	0.95	FEM4X24****		1.00	0.98
ED*4X30F**	*9MPV050	0.99	0.97	EHD4X24A**	MV12F19**B*	1.00	0.95	FEM4X30****		1.00	0.95
ED*4X30F**	*9MPV075	1.00	0.97	EHD4X24A**		1.00	0.98	FS(M,U)4X24****		1.00	1.03
ED*4X30F**	*9MVX040	0.99	0.97	EHD4X30A**	*8MPV050	0.99	0.97	FVM4X24****		1.00	0.96
ED*4X30F**	*9MVX060	1.00	0.97	EHD4X30A**	*8MPV075	0.99	0.95	FVM4X36****		0.98	0.94
<b>(C,H,T)4H430</b>											
>FSU4X36****		1.00	1.00	ED*4X36J**	*8MPV125	0.99	0.92	EHD4X36A**	*8MPV125	0.99	0.91
ED*4X30B**	*8MPV050	0.99	0.99	ED*4X36J**	*9MPV100	0.99	0.93	EHD4X36A**	*9MPV050	0.99	0.95
ED*4X30B**	MV08B15**B*	0.97	0.94	ED*4X36J**	*9MVX080	0.99	0.93	EHD4X36A**	*9MPV075	0.99	0.94
ED*4X30B**		1.00	1.00	ED*4X36J**		1.00	1.00	EHD4X36A**	*9MPV100	0.99	0.92
ED*4X30F**	*8MPV075	0.99	0.96	EHD4X30A**	*8MPV050	1.00	0.99	EHD4X36A**	*9MPV125	0.99	0.92
ED*4X30F**	*9MPV050	0.98	0.98	EHD4X30A**	*8MPV075	0.99	0.96	EHD4X36A**	*9MVX040	0.99	0.95
ED*4X30F**	*9MPV075	0.98	0.97	EHD4X30A**	*8MPV100	0.98	0.95	EHD4X36A**	*9MVX060	1.00	0.94
ED*4X30F**	*9MVX040	0.98	0.97	EHD4X30A**	*8MPV125	0.97	0.94	EHD4X36A**	*9MVX080	1.00	0.92
ED*4X30F**	*9MVX060	0.99	0.97	EHD4X30A**	*9MPV050	0.98	0.98	EHD4X36A**	*9MVX100	0.99	0.92
ED*4X30F**	MV12F19**B*	0.97	0.93	EHD4X30A**	*9MPV075	0.98	0.98	EHD4X36A**	MV08B15**B*	0.98	0.91
ED*4X30F**		1.00	1.00	EHD4X30A**	*9MPV100	0.98	0.96	EHD4X36A**	MV12F19**B*	0.98	0.91
ED*4X36B**	*8MPV050	1.00	0.99	EHD4X30A**	*9MPV125	0.97	0.95	EHD4X36A**		1.00	0.96
ED*4X36B**	MV08B15**B*	0.97	0.94	EHD4X30A**	*9MVX040	0.98	0.98	EMA4X36D**		1.00	1.00
ED*4X36B**		1.00	1.00	EHD4X30A**	*9MVX060	0.99	0.97	FEM4X30****		0.99	0.95
ED*4X36F**	*8MPV075	0.99	0.94	EHD4X30A**	*9MVX080	0.99	0.95	FEM4X36****		1.00	0.93
ED*4X36F**	*9MPV050	0.99	0.97	EHD4X30A**	*9MVX100	0.97	0.95	FS(M,U)4X30****		1.00	1.00
ED*4X36F**	*9MPV075	0.99	0.97	EHD4X30A**	MV08B15**B*	0.97	0.94	FSM4X36****		1.00	0.97
ED*4X36F**	*9MVX040	0.99	0.97	EHD4X30A**	MV12F19**B*	0.97	0.93	FVM4X24****		0.97	0.93
ED*4X36F**	*9MVX060	0.99	0.96	EHD4X30A**		1.00	0.99	FVM4X36****		0.97	0.93
ED*4X36F**	MV12F19**B*	0.97	0.92	EHD4X36A**	*8MPV050	1.00	0.95	FVM4X48****		0.98	0.89
ED*4X36F**		1.00	1.00	EHD4X36A**	*8MPV075	0.99	0.92				

> Indicates Tested Indoor Model

- continued on next page -

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*4X36J**	*8MPV100	0.99	0.92	EHD4X36A**	*8MPV100	0.99	0.91				
<b>(C,H,T)4H436</b>											
>FS(M,U)4X42***		1.00	1.00	ED*4X42J**		1.00	1.01	EHD4X42A**	*8MPV100	1.00	0.93
ED*4X36B**	*8MPV050	0.99	1.04	ED*4X42L**	*9MPV125	0.99	0.95	EHD4X42A**	*8MPV125	1.00	0.93
ED*4X36B**	MV08B15**B*	0.98	0.98	ED*4X42L**	*9MVX100	0.99	0.96	EHD4X42A**	*9MPV050	1.00	0.99
ED*4X36B**		1.00	1.04	ED*4X42L**	MV20L24**B*	0.97	0.94	EHD4X42A**	*9MPV075	1.00	0.98
ED*4X36F**	*8MPV075	0.99	0.99	ED*4X42L**		1.00	1.01	EHD4X42A**	*9MPV100	1.00	0.94
ED*4X36F**	*9MPV050	0.99	1.03	ED*4X48F**	MV12F19**B*	0.99	0.92	EHD4X42A**	*9MPV125	1.00	0.93
ED*4X36F**	*9MPV075	0.99	1.02	EHD4X36A**	*8MPV050	1.00	1.01	EHD4X42A**	*9MVX040	1.00	0.99
ED*4X36F**	*9MVX040	0.99	1.03	EHD4X36A**	*8MPV075	1.00	0.97	EHD4X42A**	*9MVX060	1.00	0.97
ED*4X36F**	*9MVX060	0.99	1.00	EHD4X36A**	*8MPV100	1.00	0.94	EHD4X42A**	*9MVX080	1.00	0.93
ED*4X36F**	MV12F19**B*	0.97	0.96	EHD4X36A**	*8MPV125	1.00	0.94	EHD4X42A**	*9MVX100	1.00	0.94
ED*4X36F**		1.00	1.02	EHD4X36A**	*9MPV050	1.00	1.00	EHD4X42A**	MV08B15**B*	0.99	0.94
ED*4X36J**	*8MPV100	0.99	0.96	EHD4X36A**	*9MPV075	1.00	0.99	EHD4X42A**	MV12F19**B*	0.98	0.92
ED*4X36J**	*8MPV125	0.99	0.96	EHD4X36A**	*9MPV100	1.00	0.96	EHD4X42A**	MV16J22**B*	0.98	0.92
ED*4X36J**	*9MPV100	0.99	0.98	EHD4X36A**	*9MPV125	1.00	0.95	EHD4X42A**	MV20L24**B*	0.98	0.92
ED*4X36J**	*9MVX080	0.99	0.97	EHD4X36A**	*9MVX040	1.00	1.00	EHD4X42A**		1.00	0.97
ED*4X36J**	MV16J22**B*	0.97	0.96	EHD4X36A**	*9MVX060	1.00	0.98	EMA4X36D**		1.00	1.03
ED*4X36J**		1.00	1.02	EHD4X36A**	*9MVX080	1.00	0.95	FEM4X36****		1.00	0.95
ED*4X42F**	*9MVX040	0.99	1.02	EHD4X36A**	*9MVX100	0.99	0.95	FEM4X42****		1.00	0.95
ED*4X42F**	*9MVX060	0.99	0.99	EHD4X36A**	MV08B15**B*	0.98	0.94	FSM4X36****		1.00	0.99
ED*4X42F**	MV12F19**B*	0.98	0.95	EHD4X36A**	MV12F19**B*	0.98	0.94	FSU4X36****		1.00	1.03
ED*4X42J**	*8MPV100	1.00	0.96	EHD4X36A**	MV16J22**B*	0.98	0.93	FVM4X24****		0.98	0.99
ED*4X42J**	*8MPV125	0.99	0.95	EHD4X36A**	MV20L24**B*	0.98	0.94	FVM4X36****		0.97	0.97
ED*4X42J**	*9MPV100	1.00	0.97	EHD4X36A**		1.00	0.98	FVM4X48****		0.99	0.93
ED*4X42J**	*9MVX080	1.00	0.96	EHD4X42A**	*8MPV050	1.00	1.00	FVM4X60****		0.99	0.90
ED*4X42J**	MV16J22**B*	0.97	0.94	EHD4X42A**	*8MPV075	1.00	0.95				
<b>(C,H,T)4H442</b>											
>FS(M,U)4X48***		1.00	1.00	ED*4X48J**	*8MPV125	0.99	0.97	EHD4X48A**	*8MPV075	1.00	1.00
ED*4X42F**	*8MPV075	0.99	1.03	ED*4X48J**	*9MPV100	1.00	0.99	EHD4X48A**	*8MPV100	1.00	0.97
ED*4X42F**	*9MPV075	0.99	1.06	ED*4X48J**	*9MVX080	1.00	0.99	EHD4X48A**	*8MPV125	0.99	0.96

> Indicates Tested Indoor Model

**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*4X42F**	*9MPV060	0.99	1.04	ED*4X48J**	MV16J22**B*	0.98	0.95	EHD4X48A**	*9MPV075	1.00	1.02
ED*4X42F**	MV12F19**B*	0.96	0.98	ED*4X48J**		1.00	1.01	EHD4X48A**	*9MPV100	1.00	0.98
ED*4X42F**		1.00	1.04	ED*4X48L**	*9MPV125	0.99	0.98	EHD4X48A**	*9MPV125	0.99	0.97
ED*4X42J**	*8MPV100	0.98	0.99	ED*4X48L**	*9MVX100	0.99	0.98	EHD4X48A**	*9MVX060	1.00	1.01
ED*4X42J**	*8MPV125	0.98	0.99	ED*4X48L**	MV20L24**B*	0.98	0.95	EHD4X48A**	*9MVX080	1.00	0.98
ED*4X42J**	*9MPV100	0.99	1.01	ED*4X48L**		1.00	1.01	EHD4X48A**	*9MVX100	0.99	0.98
ED*4X42J**	*9MVX080	0.99	1.01	EHD4X42A**	*8MPV075	1.00	1.00	EHD4X48A**	MV12F19**B*	0.99	0.96
ED*4X42J**	MV16J22**B*	0.96	0.98	EHD4X42A**	*8MPV100	0.99	0.97	EHD4X48A**	MV16J22**B*	0.98	0.95
ED*4X42J**		1.00	1.04	EHD4X42A**	*8MPV125	0.99	0.97	EHD4X48A**	MV20L24**B*	0.98	0.95
ED*4X42L**	*9MPV125	0.98	1.00	EHD4X42A**	*9MPV075	1.00	1.03	EHD4X48A**		1.00	1.00
ED*4X42L**	*9MVX100	0.98	1.00	EHD4X42A**	*9MPV100	1.00	0.99	EMA4X48D**		1.00	1.02
ED*4X42L**	MV20L24**B*	0.96	0.97	EHD4X42A**	*9MPV125	0.99	0.98	FEM4X42****		1.00	1.00
ED*4X42L**		1.00	1.04	EHD4X42A**	*9MVX060	1.00	1.02	FEM4X48****		1.00	0.95
ED*4X48F**	*8MPV075	1.00	0.99	EHD4X42A**	*9MVX080	1.00	0.99	FS(M,U)4X42****		1.00	1.04
ED*4X48F**	*9MPV075	1.00	1.02	EHD4X42A**	*9MVX100	0.99	0.98	FVM4X36****		0.96	1.00
ED*4X48F**	*9MVX060	1.00	1.01	EHD4X42A**	MV12F19**B*	0.98	0.96	FVM4X48****		0.98	0.95
ED*4X48F**	MV12F19**B*	0.99	0.96	EHD4X42A**	MV16J22**B*	0.98	0.95	FVM4X60****		0.99	0.92
ED*4X48F**		1.00	0.98	EHD4X42A**	MV20L24**B*	0.98	0.95				
ED*4X48J**	*8MPV100	0.99	0.97	EHD4X42A**		1.00	1.00				
<b>(C,H,T)4H448</b>											
>FS(M,U)4X60***		1.00	1.00	ED*4X60J**	MV16J22**B*	1.00	0.99	EHD4X60A**	*8MPV125	1.00	0.98
ED*4X48F**		1.00	1.04	ED*4X60J**		1.00	1.01	EHD4X60A**	*9MPV100	1.00	1.00
ED*4X48J**	*8MPV100	1.00	1.02	ED*4X60L**	*9MPV125	1.00	1.01	EHD4X60A**	*9MPV125	1.00	0.99
ED*4X48J**	*8MPV125	1.00	1.02	ED*4X60L**	*9MVX100	1.00	1.02	EHD4X60A**	*9MVX080	1.00	1.00
ED*4X48J**	*9MPV100	1.00	1.04	ED*4X60L**	MV20L24**B*	1.00	0.99	EHD4X60A**	*9MVX100	1.00	1.00
ED*4X48J**	*9MVX080	1.00	1.03	ED*4X60L**		1.00	1.01	EHD4X60A**	MV16J22**B*	1.00	0.98
ED*4X48J**	MV16J22**B*	0.99	1.00	EHD4X48A**	*8MPV100	1.00	1.01	EHD4X60A**	MV20L24**B*	1.00	0.98
ED*4X48J**		1.00	1.03	EHD4X48A**	*8MPV125	1.00	1.01	EHD4X60A**		1.00	1.00
ED*4X48L**	*9MPV125	1.00	1.03	EHD4X48A**	*9MPV100	1.00	1.03	EMA4X48D**		1.00	1.08
ED*4X48L**	*9MVX100	1.00	1.03	EHD4X48A**	*9MPV125	1.00	1.02	FEM4X48****		1.00	0.99
ED*4X48L**	MV20L24**B*	0.99	1.00	EHD4X48A**	*9MVX080	1.00	1.02	FEM4X60****		1.00	0.95

> Indicates Tested Indoor Model

- continued on next page -

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*4X48L**		1.00	1.03	EHD4X48A**	*9MPVX100	1.00	1.03	FS(M,U)4X48****		1.00	1.04
ED*4X60J**	*8MPV100	1.00	0.99	EHD4X48A**	MV16J22**B*	1.00	1.00	FVM4X48****		1.00	1.01
ED*4X60J**	*8MPV125	1.00	0.99	EHD4X48A**	MV20L24**B*	1.00	1.00	FVM4X60****		1.00	0.97
ED*4X60J**	*9MPV100	1.00	1.01	EHD4X48A**		1.00	1.01				
(C,H,T)4H460											
>FEM4X60****		1.00	1.00	ED*4X60L**	MV20L24**B*	1.00	1.01	EHD4X60A**	MV20L24**B*	1.00	1.00
ED*4X60J**	*8MPV125	1.01	1.04	ED*4X60L**		1.01	1.05	EHD4X60A**		1.01	1.05
ED*4X60J**	MV16J22**B*	1.00	1.01	EHD4X60A**	*8MPV125	1.01	1.03	FVM4X60****		1.01	1.00
ED*4X60J**		1.01	1.05	EHD4X60A**	MV16J22**B*	1.00	1.00				
(C,H,T)4H461											
>FEM4X60****		1.00	1.00	EHD4X60A**	*8MPV125	1.03	1.04	EHD4X60A**	MV20L24**B*	1.01	1.00
FS(M,U)4X60****		1.03	1.07	ED*4X60J**	MV16J22**B*	1.01	1.02	ED*4X60J**		1.02	1.06
FVM4X60****		1.01	1.00	EHD4X60A**	MV16J22**B*	1.01	1.00	ED*4X60L**		1.02	1.06
ED*4X60J**	*8MPV125	1.02	1.05	ED*4X60L**	MV20L24**B*	1.01	1.01	EHD4X60A**		1.02	1.05

> Indicates Tested Indoor Model



<b>OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)</b>											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	<b>H</b>	<b>4</b>	<b>H</b>	<b>4</b>	<b>18</b>	<b>G</b>	<b>K</b>	<b>D</b>	<b>1</b>	<b>0</b>	<b>0</b>
Product Family			<b>REFRIGERANT</b>								
4 = R-410A			<b>TYPE</b>								
A = Air Conditioner											
H = Heat Pump											
3 = 13 SEER											
4 = 14 SEER											
5 = 15 SEER											
6 = 16 SEER											
7 = 17 SEER											
8 = 18 SEER			<b>NOMINAL EFFICIENCY</b>								
18 = 18,000 BTUH = 1½ tons											
19 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons											
61 = 60,000 BTUH = 5 tons			<b>NOMINAL CAPACITY</b>								
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal						<b>FEATURES</b>					
K = 208/230-1-60									<b>VOLTAGE</b>		
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

<b>ACCESSORIES PART NUMBER IDENTIFICATION GUIDE</b>									
Digit Position:	1	2	3	4	5	6, 7	8, 9	10, 11	
Example Part Number:	<b>N</b>	<b>A</b>	<b>S</b>	<b>A</b>	<b>0</b>	<b>01</b>	<b>01</b>	<b>CH</b>	
N = Non-Branded		<b>BRANDING</b>							
A = Accessory		<b>PRODUCT GROUP</b>							
S = Split System (AC & HP)		<b>KIT USAGE</b>							
A = Original									
B = 2nd Generation		<b>MAJOR SERIES</b>							
0 = Generic or Not Applicable									
2 = R-22									
4 = R-410A						<b>REFRIGERANT</b>			
Product Identifier Number									
Package Quantity									
Type of Kit (Example: CH = Crankcase Heater)									