TECHNICAL SUPPORT MANUAL
Split System Heat Pump
N4H4

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:

⚠ WARNING

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

⚠ CAUTION

Signal Words on Product Labeling

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

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MODELS

N4H418*KB300
N4H419*KB100
N4H424*KB300
N4H430*KB300
N4H436*KB300
N4H442*KB300
N4H448*KB300
N4H460*KB400
N4H461*KA100

* = A or G

⚠ WARNING

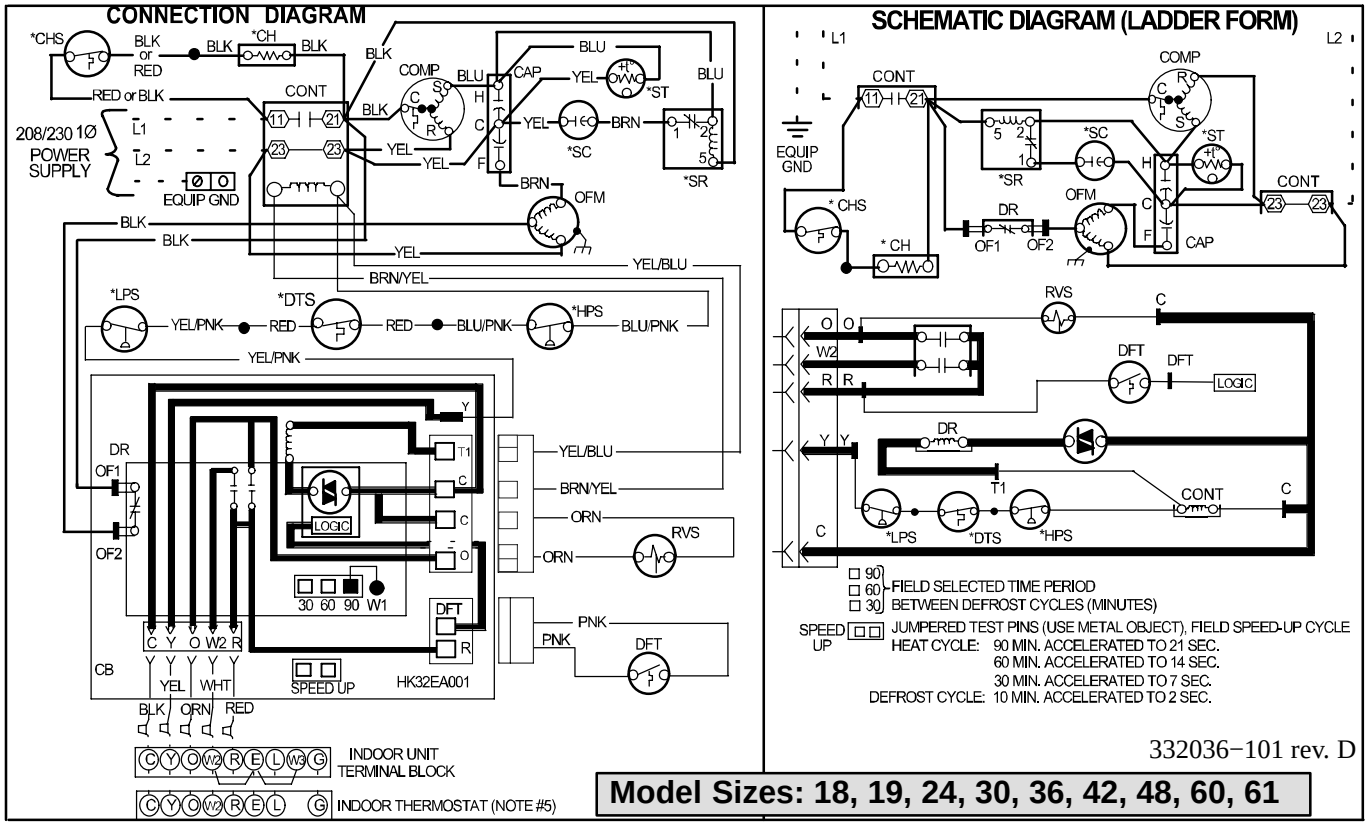
DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD

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.



Model Sizes: 18, 19, 24, 30, 36, 42, 48, 60, 61

-LEGEND-

	FACTORY POWER WIRING
- -	FIELD POWER WIRING
	FACTORY CONTROL WIRING
- -	FIELD CONTROL WIRING
	CONDUCTOR ON CIRCUIT BOARD
	COMPONENT CONNECTION
	1/4-INCH QUICK CONNECT TERMINALS
	FIELD SPLICE
	JUNCTION
CAP	CAPACITOR (DUAL RUN)
*CH	CRANKCASE HEATER
*CHS	CRANKCASE HEATER SWITCH
COMP	COMPRESSOR
CONT	CONTACTOR
CB	CIRCUIT BOARD
DFT	DEFROST THERMOSTAT
DR	DEFROST RELAY AND CIRCUITRY
*DTS	DISCHARGE TEMP. SWITCH
*HPS	HIGH PRESSURE SWITCH
*LPS	LOW PRESSURE SWITCH
OFM	OUTDOOR FAN MOTOR
RVS	REVERSING VALVE SOLENOID
*SC	START CAPACITOR
*SR	START RELAY
*ST	START THERMISTOR

*MAY BE FACTORY OR FIELD INSTALLED

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.

R−410A CHARGING CHART												
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)											
251	78	26	76	24	74	23	72	22	70	21	68	20
259	80	27	78	26	76	24	74	23	72	22	70	21
266	82	28	80	27	78	26	76	24	74	23	72	22
274	84	29	82	28	80	27	78	26	76	24	74	23
283	86	30	84	29	82	28	80	27	78	26	76	24
291	88	31	86	30	84	29	82	28	80	27	78	26
299	90	32	88	31	86	30	84	29	82	28	80	27
308	92	33	90	32	88	31	86	30	84	29	82	28
317	94	34	92	33	90	32	88	31	86	30	84	29
326	96	36	94	34	92	33	90	32	88	31	86	30
335	98	37	96	36	94	34	92	33	90	32	88	31
345	100	38	98	37	96	36	94	34	92	33	90	32
364	104	40	102	39	100	38	98	37	96	36	94	34
374	106	41	104	40	102	39	100	38	98	37	96	36
384	108	42	106	41	104	40	102	39	100	38	98	37
395	110	43	108	42	106	41	104	40	102	39	100	38
406	112	44	110	43	108	42	106	41	104	40	102	39
416	114	46	112	44	110	43	108	42	106	41	104	40
427	116	47	114	46	112	44	110	43	108	42	106	41
439	118	48	116	47	114	46	112	44	110	43	108	42
450	120	49	118	48	116	47	114	46	112	44	110	43
462	122	50	120	49	118	48	116	47	114	46	112	44
474	124	51	122	50	120	49	118	48	116	47	114	46

MULTIPLYING FACTORS

(Refer to pages 6−14)

† 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.)

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

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

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†	20.85	18.95	17.59	17.24	16.64	19.87	18.04	16.72	16.39	15.97	18.83	17.07	15.80	15.51	15.26	17.72	16.05	14.84	14.59	14.50	16.55	14.95	13.80	13.68	13.68
	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	0.96	1.00	0.54	0.75	0.78	0.98	1.00	0.55	0.77	0.80	1.00	1.00
	AMPS*	5.03	5.07	5.10	5.11	5.12	5.67	5.71	5.74	5.75	5.76	6.38	6.42	6.45	6.45	6.46	7.16	7.20	7.23	7.24	7.24	8.02	8.06	8.09	8.09	8.09
	HI PR	268	266	264	263	263	309	307	305	304	304	355	352	350	350	349	405	402	400	400	400	460	457	455	455	455
	LO PR	155	142	132	130	126	157	144	135	133	129	160	147	137	135	133	162	149	139	138	137	165	152	142	141	141
600	MBh†	21.29	19.36	17.97	17.65	17.35	20.26	18.41	17.07	16.79	16.64	19.18	17.40	16.12	15.89	15.88	18.04	16.34	15.11	15.08	15.08	16.82	15.20	14.04	14.21	14.21
	S/T‡	0.53	0.73	0.76	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	0.78	0.81	1.00	1.00	0.57	0.81	0.84	1.00	1.00
	AMPS*	5.07	5.12	5.15	5.15	5.16	5.72	5.76	5.79	5.79	5.79	6.43	6.47	6.49	6.50	6.50	7.21	7.25	7.28	7.28	7.28	8.07	8.11	8.14	8.13	8.13
	HI PR	268	266	264	264	264	310	307	305	305	305	355	353	351	350	350	405	403	401	401	401	460	458	456	456	456
	LO PR	158	145	136	134	132	161	147	138	136	135	163	150	140	138	138	165	152	142	142	142	168	154	144	146	146
675	MBh†	21.62	19.68	18.28	18.02	17.95	20.57	18.69	17.34	17.20	17.20	19.45	17.65	16.36	16.41	16.41	18.27	16.56	15.33	15.56	15.57	17.02	15.40	14.23	14.66	14.66
	S/T‡	0.55	0.76	0.78	0.99	1.00	0.55	0.77	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	0.59	0.85	0.88	1.00	1.00
	AMPS*	5.12	5.16	5.19	5.19	5.20	5.76	5.80	5.83	5.83	5.83	6.47	6.51	6.54	6.54	6.54	7.25	7.29	7.33	7.32	7.32	8.11	8.16	8.19	8.17	8.17
	HI PR	269	267	265	265	265	311	308	306	306	306	356	353	351	351	351	406	403	401	402	402	461	458	456	457	457
	LO PR	161	148	138	137	136	163	150	140	139	139	165	152	142	143	143	168	154	144	146	146	170	157	146	150	150

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†	6.29	5.98	5.64	8.17	7.87	7.56	10.19	9.91	9.61	12.43	12.11	11.81	14.98	14.60	14.25	17.76	17.39	17.01	20.84	20.41	20.00	23.68	23.41	23.08	
	T/R	12.70	12.10	11.50	16.60	16.10	15.60	20.80	20.40	20.00	25.60	25.20	24.70	31.20	30.60	30.10	37.40	36.90	36.40	44.40	43.80	43.30	51.00	50.90	50.60	
	AMPS*	4.71	4.90	5.09	4.93	5.15	5.37	5.15	5.40	5.64	5.41	5.67	5.93	5.74	6.00	6.28	6.13	6.41	6.71	6.60	6.90	7.22	6.97	7.32	7.67	
	HI PR	231	246	263	246	262	280	263	281	299	284	302	321	311	329	348	342	362	382	380	400	421	411	435	459	
	LO PR	40	41	41	52	52	53	65	66	66	80	81	81	97	98	98	116	117	117	137	137	138	155	157	159	
600	MBh†	6.41	6.09	5.76	8.31	8.01	7.70	10.35	10.07	9.77	12.64	12.29	12.00	15.23	14.89	14.50	18.06	17.70	17.32	21.13	20.78	20.39	23.80	23.52	23.23	
	T/R	11.30	10.80	10.30	14.70	14.30	13.80	18.40	18.10	17.70	22.70	22.20	21.90	27.60	27.20	26.70	33.00	32.60	32.20	39.00	38.70	38.30	44.40	44.20	44.00	
	AMPS*	4.71	4.91	5.10	4.90	5.12	5.35	5.10	5.34	5.59	5.33	5.58	5.85	5.62	5.89	6.16	5.97	6.25	6.54	6.34	6.66	7.00	6.68	7.01	7.35	
	HI PR	227	242	259	240	257	274	256	273	291	275	292	311	299	318	336	328	347	367	358	380	403	388	410	433	
	LO PR	40	41	41	52	52	52	65	66	66	80	81	81	97	97	98	116	116	117	136	137	137	152	154	156	
675	MBh†	6.51	6.19	5.86	8.42	8.13	7.82	10.48	10.20	9.90	12.81	12.49	12.16	15.43	15.09	14.71	18.30	17.93	17.55	21.21	20.96	20.61	23.77	23.55	23.29	
	T/R	10.10	9.70	9.30	13.20	12.80	12.50	16.50	16.20	15.90	20.30	20.00	19.60	24.70	24.40	23.90	29.50	29.20	28.80	34.50	34.40	34.10	39.00	39.00	38.90	
	AMPS*	4.72	4.92	5.12	4.89	5.12	5.34	5.07	5.31	5.56	5.28	5.53	5.79	5.54	5.81	6.08	5.87	6.14	6.43	6.16	6.48	6.80	6.48	6.80	7.14	
	HI PR	224	239	256	236	252	270	250	267	285	268	285	304	290	309	327	317	336	356	343	365	386	370	392	415	
	LO PR	40	40	41	52	52	52	65	65	66	80	81	81	97	97	98	115	116	116	134	135	137	150	152	154	

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																								
		-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†	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†	50.49	46.01	42.71	41.85	40.26	47.99	43.72	40.60	39.79	38.64	45.35	41.34	38.41	37.67	36.95	42.60	38.85	36.10	35.46	35.14	39.70	36.22	33.67	33.20	33.20
	S/T‡	0.51	0.69	0.72	0.91	1.00	0.52	0.71	0.74	0.93	1.00	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.77	0.98	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	11.25	11.66	11.95	12.01	12.13	12.95	13.30	13.53	13.58	13.65	14.70	14.98	15.17	15.20	15.24	16.50	16.72	16.85	16.87	16.88	18.35	18.51	18.58	18.59	18.59
	HI PR	269	265	262	262	260	311	307	304	303	302	357	352	349	348	347	406	402	398	398	397	460	456	452	451	451
	LO PR	156	143	133	131	126	158	145	135	133	129	161	147	137	135	133	163	150	140	138	137	166	152	142	141	141
1400	MBh†	51.41	46.89	43.57	42.75	41.91	48.78	44.49	41.35	40.63	40.17	46.03	42.00	39.05	38.46	38.34	43.16	39.40	36.64	36.40	36.40	40.14	36.66	34.11	34.32	34.32
	S/T‡	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.77	0.97	1.00	0.54	0.76	0.78	0.99	1.00	0.55	0.78	0.81	1.00	1.00	0.57	0.81	0.83	1.00	1.00
	AMPS*	11.43	11.86	12.15	12.21	12.28	13.15	13.51	13.76	13.80	13.83	14.92	15.22	15.41	15.44	15.44	16.74	16.97	17.11	17.12	17.12	18.60	18.78	18.86	18.85	18.85
	HI PR	270	266	263	263	262	312	308	305	304	304	358	353	350	349	349	407	403	399	399	399	461	457	453	453	453
	LO PR	160	146	136	134	132	162	148	138	136	135	164	151	140	139	138	167	153	142	142	142	169	155	145	146	146
1575	MBh†	52.07	47.53	44.20	43.52	43.27	49.36	45.05	41.90	41.43	41.43	46.50	42.47	39.51	39.48	39.48	43.54	39.79	37.03	37.42	37.42	40.43	36.97	34.42	35.22	35.22
	S/T‡	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	0.82	0.84	1.00	1.00	0.59	0.85	0.87	1.00	1.00
	AMPS*	11.63	12.07	12.37	12.42	12.44	13.36	13.74	14.00	14.02	14.02	15.15	15.46	15.67	15.66	15.66	16.98	17.23	17.38	17.36	17.36	18.87	19.05	19.15	19.11	19.11
	HI PR	270	267	264	264	263	312	309	305	305	305	358	354	351	351	351	408	404	400	401	401	462	457	454	455	455
	LO PR	163	149	139	137	137	165	151	141	140	140	167	153	143	143	143	169	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	
1225	MBh†	17.84	17.34	16.82	21.79	21.31	20.83	26.04	25.59	25.11	30.81	30.27	29.73	36.18	35.61	35.04	42.17	41.54	40.88	48.03	47.52	46.96	52.01	51.68	51.86	
	T/R	15.30	15.00	14.60	18.80	18.50	18.30	22.60	22.40	22.20	26.90	26.70	26.40	31.90	31.70	31.50	37.60	37.40	37.10	43.30	43.20	43.00	47.20	47.30	47.90	
	AMPS*	12.27	12.63	12.98	12.76	13.17	13.59	13.24	13.71	14.18	13.75	14.27	14.79	14.31	14.89	15.47	14.77	15.46	16.16	15.41	16.09	16.78	15.82	16.57	17.41	
	HI PR	233	250	267	246	264	282	262	280	299	282	300	320	307	326	346	331	352	375	361	383	405	381	405	433	
	LO PR	35	36	36	46	46	46	58	59	59	72	72	73	87	87	88	104	104	105	120	121	122	130	132	135	
1400	MBh†	18.17	17.68	17.16	22.14	21.68	21.21	26.44	26.00	25.53	31.28	30.74	30.21	36.72	36.14	35.57	42.42	42.00	41.52	46.60	46.92	47.22	47.75	48.85	49.71	
	T/R	13.60	13.30	13.00	16.60	16.40	16.20	20.00	19.80	19.60	23.80	23.60	23.40	28.20	28.00	27.80	32.80	32.80	32.70	36.30	36.90	37.50	37.20	38.50	39.60	
	AMPS*	12.46	12.82	13.18	12.90	13.32	13.74	13.34	13.81	14.28	13.78	14.30	14.83	14.29	14.86	15.44	14.63	15.27	15.92	15.01	15.77	16.55	15.03	15.89	16.76	
	HI PR	228	245	262	240	257	276	255	273	291	273	291	310	296	315	335	317	337	358	336	361	387	339	368	398	
	LO PR	35	36	36	46	46	46	58	58	59	72	72	72	87	87	88	102	103	104	114	117	120	116	122	127	
1575	MBh†	18.47	18.01	17.47	22.47	22.01	21.54	26.79	26.35	25.89	31.74	31.15	30.63	37.17	36.59	36.02	42.49	42.15	41.76	44.37	45.37	46.06	45.16	46.90	47.46	
	T/R	12.20	12.00	11.80	15.00	14.80	14.60	17.90	17.80	17.60	21.40	21.20	21.00	25.20	25.00	24.90	29.00	29.00	29.00	30.40	31.40	32.20	31.00	32.50	33.20	
	AMPS*	12.67	13.03	13.40	13.07	13.49	13.92	13.48	13.95	14.42	13.90	14.40	14.92	14.25	14.90	15.49	14.63	15.25	15.89	14.74	15.52	16.31	14.73	15.59	16.37	
	HI PR	225	241	259	235	253	271	249	267	285	267	284	303	286	306	326	307	327	347	314	341	368	315	346	372	
	LO PR	35	35	36	46	46	46	58	58	59	72	72	72	87	87	87	101	102	103	106	111	115	107	115	118	

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†	57.74	52.67	48.93	47.94	46.25	54.86	50.03	46.46	45.53	44.35	51.86	47.29	43.91	43.06	42.36	48.74	44.43	41.26	40.51	40.27	45.44	41.42	38.46	38.03	38.03
	S/T‡	0.51	0.69	0.72	0.91	1.00	0.51	0.71	0.73	0.93	1.00	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.77	0.98	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	14.06	14.14	14.19	14.19	14.21	15.83	15.88	15.91	15.92	15.92	17.74	17.77	17.78	17.78	17.78	19.79	19.80	19.79	19.78	19.78	21.99	21.98	21.94	21.94	21.94
	HI PR	275	271	268	267	265	317	313	309	308	307	363	358	355	354	353	413	408	404	403	403	468	462	458	458	458
	LO PR	157	144	134	132	127	159	146	136	134	130	162	148	138	136	134	164	150	140	138	138	167	153	143	142	142
1600	MBh†	58.74	53.63	49.86	48.93	48.12	55.74	50.87	47.28	46.46	46.07	52.60	48.00	44.62	43.96	43.94	49.36	45.03	41.85	41.70	41.70	45.93	41.90	38.94	39.31	39.31
	S/T‡	0.52	0.72	0.75	0.95	1.00	0.53	0.74	0.77	0.98	1.00	0.54	0.76	0.78	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.56	0.81	0.83	1.00	1.00
	AMPS*	14.41	14.50	14.55	14.56	14.57	16.19	16.25	16.29	16.29	16.29	18.11	18.15	18.16	18.16	18.16	20.17	20.19	20.18	20.18	20.18	22.38	22.37	22.34	22.34	22.34
	HI PR	276	272	269	268	267	318	314	310	310	309	364	360	356	355	355	414	409	405	405	405	469	464	459	460	460
	LO PR	161	147	137	135	133	163	149	139	137	136	165	151	141	140	140	167	153	143	143	143	170	156	145	147	147
1800	MBh†	59.45	54.32	50.55	49.79	49.65	56.35	51.46	47.87	47.49	47.49	53.11	48.50	45.12	45.23	45.24	49.77	45.44	42.26	42.86	42.87	46.24	42.22	39.28	40.34	40.34
	S/T‡	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	0.82	0.85	1.00	1.00	0.59	0.85	0.88	1.00	1.00
	AMPS*	14.78	14.87	14.93	14.93	14.93	16.56	16.63	16.67	16.67	16.67	18.48	18.53	18.54	18.54	18.54	20.55	20.57	20.56	20.57	20.57	22.76	22.75	22.73	22.74	22.74
	HI PR	277	273	269	269	269	319	315	311	311	311	365	360	357	357	357	415	410	406	407	407	470	464	460	462	462
	LO PR	164	150	140	138	138	166	152	141	141	141	168	154	143	144	144	170	156	145	148	148	172	158	148	152	152

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†	19.48	18.92	18.32	24.05	23.51	22.96	28.98	28.45	27.91	34.29	33.78	33.25	40.18	39.55	38.94	46.91	46.18	45.50	54.16	53.47	52.76	61.70	60.79	60.05	
	T/R	14.40	14.10	13.80	17.90	17.70	17.40	21.70	21.50	21.30	25.90	25.70	25.60	30.60	30.40	30.20	36.10	35.80	35.60	42.10	42.00	41.70	48.50	48.20	48.00	
	AMPS*	13.04	13.59	14.15	13.54	14.14	14.75	14.06	14.70	15.36	14.63	15.33	16.04	15.26	15.99	16.75	15.98	16.83	17.63	16.67	17.50	18.35	17.63	18.48	19.38	
	HI PR	229	245	262	242	259	277	257	274	293	274	292	312	294	314	334	319	340	361	343	364	386	375	397	420	
	LO PR	36	36	36	47	47	47	59	59	59	72	73	73	87	88	88	104	104	105	121	122	123	139	140	141	
1600	MBh†	19.89	19.33	18.74	24.49	23.95	23.39	29.46	28.94	28.40	34.81	34.30	33.78	40.91	40.18	39.54	47.65	47.00	46.28	54.51	53.93	53.30	58.59	59.23	59.51	
	T/R	12.80	12.60	12.30	15.90	15.70	15.50	19.20	19.10	18.90	22.90	22.80	22.60	27.10	26.90	26.70	31.80	31.70	31.50	36.80	36.70	36.60	39.70	40.60	41.10	
	AMPS*	13.27	13.82	14.38	13.71	14.31	14.92	14.17	14.81	15.46	14.66	15.35	16.06	15.23	15.94	16.68	15.71	16.53	17.39	16.38	17.19	18.04	16.75	17.75	18.76	
	HI PR	225	241	258	236	253	271	249	267	285	265	283	302	284	302	322	302	323	345	326	347	368	340	366	393	
	LO PR	36	36	36	46	47	47	59	59	59	72	72	73	87	87	88	103	104	105	120	121	122	129	133	137	
1800	MBh†	20.27	19.71	19.12	24.89	24.36	23.80	29.89	29.38	28.84	35.27	34.77	34.25	41.45	40.74	40.10	47.99	47.49	46.94	53.93	54.11	53.58	55.44	56.35	57.50	
	T/R	11.60	11.40	11.10	14.30	14.10	13.90	17.30	17.10	17.00	20.50	20.40	20.30	24.30	24.10	23.90	28.30	28.30	28.20	32.10	32.50	32.40	33.00	33.90	35.00	
	AMPS*	13.53	14.08	14.64	13.92	14.52	15.14	14.34	14.97	15.62	14.77	15.46	16.17	15.29	15.98	16.72	15.67	16.44	17.25	16.19	17.06	17.90	16.23	17.20	18.25	
	HI PR	221	238	255	232	249	266	244	261	279	258	276	295	276	294	313	292	312	332	311	334	355	313	339	368	
	LO PR	36	36	36	46	47	47	58	59	59	72	72	73	87	87	88	102	103	104	116	119	120	119	124	129	

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		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†	69.02	63.26	59.00	57.89	56.26	65.69	60.22	56.18	55.15	54.05	62.15	57.00	53.19	52.28	51.69	58.44	53.60	50.04	49.30	49.16	54.42	49.94	46.66	46.40	46.41
	S/T‡	0.50	0.69	0.71	0.90	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.72	0.74	0.95	1.00	0.53	0.74	0.76	0.99	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	18.39	18.12	17.92	17.88	17.80	20.29	20.02	19.82	19.78	19.73	22.39	22.13	21.93	21.89	21.86	24.69	24.44	24.24	24.21	24.21	27.21	26.97	26.78	26.77	26.77
	HI PR	288	283	279	278	276	331	325	321	320	319	377	372	367	366	366	428	422	417	417	416	483	477	472	472	472
	LO PR	157	144	134	131	128	159	146	136	133	131	161	148	138	136	134	164	150	140	138	138	167	153	142	142	142
2000	MBh†	70.07	64.27	60.00	59.01	58.35	66.60	61.10	57.06	56.22	55.98	62.92	57.75	53.95	53.45	53.46	59.07	54.23	50.68	50.75	50.76	54.91	50.44	47.17	47.81	47.81
	S/T‡	0.52	0.72	0.74	0.94	1.00	0.53	0.74	0.76	0.96	1.00	0.54	0.75	0.78	1.00	1.00	0.55	0.78	0.80	1.00	1.00	0.56	0.81	0.83	1.00	1.00
	AMPS*	18.87	18.59	18.39	18.35	18.32	20.76	20.49	20.29	20.26	20.24	22.85	22.59	22.39	22.37	22.37	25.15	24.90	24.71	24.72	24.72	27.66	27.42	27.23	27.28	27.28
	HI PR	289	284	280	279	279	332	327	322	322	321	379	373	368	368	368	429	423	419	419	419	484	478	473	474	474
	LO PR	160	147	137	135	133	162	149	138	137	136	165	151	140	140	140	167	153	142	143	143	169	155	145	147	147
2250	MBh†	70.82	65.00	60.73	60.07	60.05	67.24	61.72	57.69	57.55	57.55	63.45	58.27	54.49	54.88	54.88	59.49	54.65	51.12	52.02	52.03	55.22	53.84	47.53	48.91	48.92
	S/T‡	0.53	0.75	0.78	1.00	1.00	0.54	0.77	0.79	1.00	1.00	0.56	0.79	0.81	1.00	1.00	0.57	0.82	0.84	1.00	1.00	0.59	0.82	0.87	1.00	1.00
	AMPS*	19.33	19.05	18.85	18.83	18.82	21.22	20.95	20.74	20.75	20.75	23.30	23.04	22.84	22.87	22.87	25.60	25.35	25.15	25.21	25.21	28.10	24.81	27.68	27.77	27.77
	HI PR	290	285	281	280	280	333	328	323	323	323	380	374	369	370	370	430	424	420	421	421	485	409	474	476	476
	LO PR	163	149	139	138	138	165	151	141	141	141	167	153	143	144	144	169	155	145	148	148	172	156	147	152	152

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	65	70	75	
1750	MBh†	24.43	23.65	22.79	30.27	29.54	28.77	36.50	35.82	35.10	43.15	42.49	41.81	50.41	49.68	49.12	58.90	58.00	56.87	68.77	67.69	66.62	78.96	77.92	76.89	
	T/R	13.60	13.30	12.90	17.00	16.70	16.40	20.60	20.40	20.10	24.50	24.30	24.20	28.90	28.70	28.60	34.00	33.80	33.40	40.20	39.90	39.50	46.70	46.40	46.20	
	AMPS*	15.81	16.53	17.26	16.44	17.21	18.01	17.12	17.94	18.79	17.89	18.76	19.65	18.76	19.67	20.65	19.87	20.81	21.74	20.98	22.00	23.07	22.36	23.39	24.46	
	HI PR	228	244	261	241	258	276	256	274	292	273	292	311	292	312	332	317	337	357	343	364	387	374	396	419	
	LO PR	35	36	36	46	46	46	58	58	58	71	71	71	85	86	86	102	102	103	121	121	122	140	141	142	
2000	MBh†	24.94	24.16	23.32	30.82	30.11	29.34	37.09	36.42	35.71	43.80	43.15	42.46	51.18	50.43	49.69	59.84	58.92	57.89	69.70	68.78	67.76	79.61	78.68	77.72	
	T/R	12.10	11.80	11.50	15.10	14.80	14.60	18.20	18.00	17.80	21.70	21.50	21.40	25.50	25.30	25.20	30.00	29.80	29.50	35.30	35.10	34.90	40.70	40.60	40.40	
	AMPS*	16.10	16.82	17.56	16.66	17.43	18.23	17.27	18.08	18.93	17.96	18.81	19.70	18.74	19.63	20.57	19.74	20.66	21.60	20.67	21.64	22.66	21.91	22.92	23.97	
	HI PR	224	240	257	236	253	270	249	267	285	264	283	302	282	301	321	304	324	344	326	347	369	354	376	399	
	LO PR	35	36	36	46	46	46	57	58	58	70	71	71	85	86	86	102	102	103	120	121	121	139	140	141	
2250	MBh†	25.42	24.65	23.81	31.33	30.62	29.86	37.63	36.97	36.26	44.37	43.73	43.05	51.89	51.08	50.34	60.70	59.71	58.80	70.25	69.41	68.54	79.84	79.01	78.11	
	T/R	11.00	10.70	10.40	13.60	13.40	13.20	16.40	16.20	16.10	19.40	19.30	19.20	22.90	22.70	22.60	26.90	26.70	26.50	31.40	31.30	31.20	36.00	35.90	35.80	
	AMPS*	16.42	17.15	17.89	16.94	17.71	18.51	17.49	18.29	19.14	18.12	18.97	19.85	18.85	19.72	20.64	19.72	20.67	21.62	20.58	21.52	22.52	21.68	22.67	23.70	
	HI PR	221	237	254	232	249	266	244	261	280	258	276	295	274	293	312	294	314	334	314	334	356	339	361	383	
	LO PR	35	36	36	46	46	46	57	58	58	70	71	71	85	85	86	102	102	102	119	120	121	137	138	139	

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)
N4H418											
>FEM4X18****		1.00	1.00	EHD4X24A**	*8MPV050	1.03	1.01	EMA4X24D**		0.99	1.07
ED*4X18B**	*8MPV050	1.00	1.00	EHD4X24A**	*9MPV050	1.03	1.01	FEM4X24****		1.01	0.99
ED*4X18B**	MV08B15**B*	0.99	0.97	EHD4X24A**	*9MPV075	1.03	1.01	FS(M,U)4X18****		0.98	1.07
ED*4X24B**	*8MPV050	1.02	1.01	EHD4X24A**	*9MVX040	1.03	1.03	FS(M,U)4X24****		0.98	1.08
ED*4X24B**	MV08B15**B*	1.00	0.96	EHD4X24A**	*9MVX060	1.03	1.03	FSA4X24**A*		0.99	1.09
ED*4X24B**		0.99	1.07	EHD4X24A**	MV08B15**B*	1.01	0.97	FVM4X24****		1.01	0.97
ED*4X24F**		0.99	1.07	EHD4X24A**		1.01	1.08				
N4H419											
>FEM4X18****		1.00	1.00	ED*4X24F**	*9MVX060	1.01	1.01	FEA4X18**A*		1.01	1.01
ED*4X18B**	*8MPV050	1.01	1.01	ED*4X24F**		1.00	1.09	FEA4X24**A*		1.01	1.01
ED*4X18B**	MV08B15**B*	0.98	0.98	EHD4X24A**	*8MPV050	1.01	1.01	FEA4X30**A*		1.01	1.01
ED*4X18B**		0.98	1.09	EHD4X24A**	*9MPV050	1.03	1.03	FEA4X36**A*		1.01	1.01
ED*4X24B**	*8MPV050	1.01	1.01	EHD4X24A**	*9MPV075	1.01	1.01	FEM4X24****		1.01	1.01
ED*4X24B**	MV08B15**B*	1.01	0.97	EHD4X24A**	*9MVX040	1.01	1.01	FS(M,U)4X18****		0.98	1.10
ED*4X24B**		1.00	1.09	EHD4X24A**	*9MVX060	1.01	1.01	FS(M,U)4X24****		0.99	1.10
ED*4X24F**	*9MPV050	1.01	1.01	EHD4X24A**	MV08B15**B*	1.01	0.97	FSA4X18**A*		0.98	1.10
ED*4X24F**	*9MPV075	1.01	1.01	EHD4X24A**		1.01	1.10	FSA4X24**A*		0.99	1.08
ED*4X24F**	*9MVX040	1.01	1.01	EMA4X24D**		1.00	1.09	FVM4X24****		1.01	0.97
N4H424											
>FS(M,U)4X30****		1.00	1.00	ED*4X30F**		1.01	1.04	EHD4X30A**	*9MPV050	1.02	0.94
ED*4X24B**	*8MPV050	1.01	0.97	EHD4X24A**	*8MPV050	1.02	0.97	EHD4X30A**	*9MPV075	1.02	0.94
ED*4X24B**	MV08B15**B*	1.00	0.92	EHD4X24A**	*8MPV075	1.02	0.94	EHD4X30A**	*9MPV100	1.03	0.95
ED*4X24B**		0.99	1.02	EHD4X24A**	*8MPV100	1.03	0.94	EHD4X30A**	*9MPV125	1.03	0.95
ED*4X24F**	*8MPV075	1.01	0.93	EHD4X24A**	*8MPV125	1.03	0.94	EHD4X30A**	*9MVX040	1.02	0.97
ED*4X24F**	*9MPV050	1.00	0.96	EHD4X24A**	*9MPV050	1.00	0.96	EHD4X30A**	*9MVX060	1.03	0.98
ED*4X24F**	*9MPV075	1.00	0.96	EHD4X24A**	*9MPV075	1.00	0.96	EHD4X30A**	*9MVX080	1.03	0.99
ED*4X24F**	*9MVX040	1.00	0.96	EHD4X24A**	*9MPV100	1.02	0.97	EHD4X30A**	*9MVX100	1.03	0.99
ED*4X24F**	*9MVX060	1.01	0.97	EHD4X24A**	*9MPV125	1.02	0.94	EHD4X30A**	MV08B15**B*	1.02	0.94
ED*4X24F**	MV12F19**B*	1.00	0.92	EHD4X24A**	*9MVX040	1.00	0.96	EHD4X30A**	MV12F19**B*	1.02	0.90
ED*4X24F**		0.99	1.02	EHD4X24A**	*9MVX060	1.01	0.97	EHD4X30A**		1.01	1.04
ED*4X30B**	*8MPV050	1.02	0.97	EHD4X24A**	*9MVX080	1.03	0.98	EMA4X24D**		0.99	1.02
ED*4X30B**	MV08B15**B*	1.01	0.93	EHD4X24A**	*9MVX100	1.02	0.97	FEM4X24****		1.00	0.96
ED*4X30B**		1.01	1.04	EHD4X24A**	MV08B15**B*	1.01	0.93	FEM4X30****		1.02	0.94
ED*4X30F**	*8MPV075	1.03	0.95	EHD4X24A**	MV12F19**B*	1.01	0.93	FS(M,U)4X24****		0.98	1.01
ED*4X30F**	*9MPV050	1.02	0.94	EHD4X24A**		1.01	1.04	FSA4X24**A*		0.99	1.04
ED*4X30F**	*9MPV075	1.02	0.94	EHD4X30A**	*8MPV050	1.03	0.98	FSA4X30**A*		0.99	1.04
ED*4X30F**	*9MVX040	1.02	0.97	EHD4X30A**	*8MPV075	1.03	0.94	FVM4X24****		1.01	0.93
ED*4X30F**	*9MVX060	1.03	0.98	EHD4X30A**	*8MPV100	1.03	0.95	FVM4X36****		1.02	0.90
ED*4X30F**	MV12F19**B*	1.01	0.89	EHD4X30A**	*8MPV125	1.03	0.95				

> 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)
N4H430											
>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	0.89	ED*4X36J**	*9MVX080	1.02	0.98	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	0.98
ED*4X30F**	*9MPV075	1.00	0.92	EHD4X30A**	*8MPV100	1.01	0.90	EHD4X36A**	*9MVX060	1.03	0.98
ED*4X30F**	*9MVX040	1.00	0.96	EHD4X30A**	*8MPV125	1.01	0.90	EHD4X36A**	*9MVX080	1.04	0.96
ED*4X30F**	*9MVX060	1.01	0.96	EHD4X30A**	*9MPV050	1.00	0.92	EHD4X36A**	*9MVX100	1.03	0.95
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	0.96	FEM4X30****		1.01	0.93
ED*4X36F**	*8MPV075	1.01	0.93	EHD4X30A**	*9MVX080	1.01	0.97	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	FSA4X30**A*		0.99	0.99
ED*4X36F**	*9MVX040	1.00	0.96	EHD4X30A**	MV12F19**B*	1.01	0.90	FSA4X36**A*		1.01	1.01
ED*4X36F**	*9MVX060	1.01	0.96	EHD4X30A**		1.01	1.01	FSM4X36****		1.02	0.98
ED*4X36F**	MV12F19**B*	1.01	0.90	EHD4X36A**	*8MPV050	1.03	0.95	FVM4X24****		1.01	0.89
ED*4X36F**		1.01	1.01	EHD4X36A**	*8MPV075	1.03	0.92	FVM4X36****		1.01	0.89
ED*4X36J**	*8MPV100	1.02	0.90	EHD4X36A**	*8MPV100	1.03	0.92	FVM4X48****		1.04	0.92
N4H436											
>FS(M,U)4X42****		1.00	1.00	ED*4X42J**		0.99	1.02	EHD4X42A**	*8MPV125	1.02	0.90
ED*4X36B**	*8MPV050	0.96	0.99	ED*4X42L**	*9MPV125	1.01	0.93	EHD4X42A**	*9MPV050	1.00	0.96
ED*4X36B**	MV08B15**B*	0.98	0.90	ED*4X42L**	*9MVX100	1.00	0.96	EHD4X42A**	*9MPV075	1.01	0.93
ED*4X36B**		0.97	1.00	ED*4X42L**	MV20L24**B*	0.99	0.88	EHD4X42A**	*9MPV100	1.02	0.94
ED*4X36F**	*8MPV075	0.98	0.94	ED*4X42L**		0.99	1.02	EHD4X42A**	*9MPV125	1.02	0.90
ED*4X36F**	*9MPV050	0.97	1.00	EHD4X36A**	*8MPV050	0.99	0.95	EHD4X42A**	*9MVX040	1.00	0.96
ED*4X36F**	*9MPV075	0.97	0.93	EHD4X36A**	*8MPV075	1.01	0.93	EHD4X42A**	*9MVX060	1.01	0.97
ED*4X36F**	*9MVX040	0.97	0.97	EHD4X36A**	*8MPV100	1.02	0.94	EHD4X42A**	*9MVX080	1.02	0.94
ED*4X36F**	*9MVX060	0.98	0.98	EHD4X36A**	*8MPV125	1.02	0.90	EHD4X42A**	*9MVX100	1.02	0.94
ED*4X36F**	MV12F19**B*	0.99	0.91	EHD4X36A**	*9MPV050	0.99	0.95	EHD4X42A**	MV08B15**B*	1.01	0.89
ED*4X36F**		0.98	1.01	EHD4X36A**	*9MPV075	0.99	0.95	EHD4X42A**	MV12F19**B*	1.02	0.90
ED*4X36J**	*8MPV100	1.00	0.92	EHD4X36A**	*9MPV100	1.01	0.93	EHD4X42A**	MV16J22**B*	1.02	0.90
ED*4X36J**	*8MPV125	1.00	0.92	EHD4X36A**	*9MPV125	1.01	0.93	EHD4X42A**	MV20L24**B*	1.02	0.90
ED*4X36J**	*9MPV100	0.99	0.91	EHD4X36A**	*9MVX040	0.99	0.95	EHD4X42A**		1.01	0.97
ED*4X36J**	*9MVX080	0.99	0.95	EHD4X36A**	*9MVX060	1.00	0.96	EMA4X36D**		0.98	1.00
ED*4X36J**	MV16J22**B*	0.99	0.87	EHD4X36A**	*9MVX080	1.02	0.94	FEM4X36****		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*4X36J**		0.98	1.01	EHD4X36A**	*9MVX100	1.01	0.93	FEM4X42****		1.02	0.94
ED*4X42F**	*9MVX040	0.98	0.98	EHD4X36A**	MV08B15**B*	1.01	0.89	FSA4X36**A*		0.98	1.03
ED*4X42F**	*9MVX060	0.99	0.95	EHD4X36A**	MV12F19**B*	1.01	0.89	FSM4X36****		1.00	1.03
ED*4X42F**	MV12F19**B*	0.99	0.88	EHD4X36A**	MV16J22**B*	1.01	0.89	FSU4X36****		0.98	1.00
ED*4X42J**	*8MPV100	1.01	0.93	EHD4X36A**	MV20L24**B*	1.01	0.89	FVM4X24****		0.98	0.90
ED*4X42J**	*8MPV125	1.01	0.89	EHD4X36A**		1.01	1.03	FVM4X36****		0.99	0.87
ED*4X42J**	*9MPV100	1.00	0.92	EHD4X42A**	*8MPV050	0.99	0.95	FVM4X48****		1.02	0.90
ED*4X42J**	*9MVX080	1.01	0.96	EHD4X42A**	*8MPV075	1.01	0.93	FVM4X60****		1.03	0.91
ED*4X42J**	MV16J22**B*	0.99	0.88	EHD4X42A**	*8MPV100	1.02	0.90				
N4H442											
>FS(M,U)4X48****		1.00	1.00	ED*4X48J**	*9MVX080	1.00	1.00	EHD4X48A**	*8MPV075	1.00	0.96
ED*4X42F**	*9MVX060	0.98	1.02	ED*4X48J**	MV16J22**B*	1.00	0.92	EHD4X48A**	*8MPV100	1.00	0.92
ED*4X42J**	*8MPV100	1.00	0.96	ED*4X48J**		1.00	1.00	EHD4X48A**	*8MPV125	1.00	0.92
ED*4X42J**	*8MPV125	1.00	0.96	ED*4X48L**	*9MPV125	1.00	0.96	EHD4X48A**	*9MPV075	1.00	1.00
ED*4X42J**	*9MPV100	0.99	0.99	ED*4X48L**	*9MVX100	1.00	1.00	EHD4X48A**	*9MPV100	1.00	0.96
ED*4X42J**	*9MVX080	1.00	1.00	ED*4X48L**	MV20L24**B*	1.00	0.92	EHD4X48A**	*9MPV125	1.00	0.96
ED*4X42J**	MV16J22**B*	1.00	0.96	ED*4X48L**		1.00	1.00	EHD4X48A**	*9MVX060	1.00	1.00
ED*4X42J**		0.99	1.06	EHD4X42A**	*8MPV075	1.00	0.96	EHD4X48A**	*9MVX080	1.00	1.00
ED*4X42L**	*9MPV125	1.00	0.96	EHD4X42A**	*8MPV100	1.00	0.96	EHD4X48A**	*9MVX100	1.00	1.00
ED*4X42L**	*9MVX100	0.99	0.99	EHD4X42A**	*8MPV125	1.00	0.92	EHD4X48A**	MV16J22**B*	1.00	0.92
ED*4X42L**	MV20L24**B*	1.00	0.96	EHD4X42A**	*9MPV075	1.00	1.00	EHD4X48A**	MV20L24**B*	1.00	0.92
ED*4X42L**		0.99	1.06	EHD4X42A**	*9MPV100	1.00	0.96	EHD4X48A**		1.00	1.00
ED*4X48F**	*8MPV075	1.00	0.96	EHD4X42A**	*9MPV125	1.00	0.96	EMA4X48D**		1.00	1.04
ED*4X48F**	*9MPV075	1.00	1.00	EHD4X42A**	*9MVX060	1.00	1.00	FEM4X42****		1.00	0.96
ED*4X48F**	*9MVX060	1.00	1.00	EHD4X42A**	*9MVX080	1.00	1.00	FEM4X48****		1.00	0.92
ED*4X48F**		1.00	1.00	EHD4X42A**	*9MVX100	1.00	1.00	FS(M,U)4X42****		1.00	1.07
ED*4X48J**	*8MPV100	1.00	0.96	EHD4X42A**	MV16J22**B*	1.00	0.92	FVM4X36****		0.99	0.95
ED*4X48J**	*8MPV125	1.00	0.96	EHD4X42A**	MV20L24**B*	1.00	0.92	FVM4X48****		1.00	0.92
ED*4X48J**	*9MPV100	1.00	0.96	EHD4X42A**		1.00	1.00	FVM4X60****		1.00	0.92
N4H448											
>(M,U)4X60****		1.00	1.00	ED*4X60J**	MV16J22**B*	0.99	0.91	EHD4X60A**	*8MPV125	1.00	0.92
ED*4X48F**		0.97	0.99	ED*4X60J**		0.99	1.02	EHD4X60A**	*9MPV100	0.99	0.95
ED*4X48J**	*8MPV100	0.97	0.93	ED*4X60L**	*9MPV125	0.99	0.95	EHD4X60A**	*9MPV125	0.99	0.95
ED*4X48J**	*8MPV125	0.97	0.93	ED*4X60L**	*9MVX100	0.99	0.95	EHD4X60A**	*9MVX080	0.99	0.99
ED*4X48J**	*9MPV100	0.96	0.98	ED*4X60L**	MV20L24**B*	0.99	0.91	EHD4X60A**	*9MVX100	0.99	0.95
ED*4X48J**	*9MVX080	0.97	0.97	ED*4X60L**		0.99	1.02	EHD4X60A**	MV16J22**B*	1.00	0.92
ED*4X48J**	MV16J22**B*	0.97	0.93	EHD4X48A**	*8MPV100	0.98	0.94	EHD4X60A**	MV20L24**B*	1.00	0.92
ED*4X48J**		0.97	0.99	EHD4X48A**	*8MPV125	0.98	0.94	EHD4X60A**		1.00	1.00
ED*4X48L**	*9MPV125	0.97	0.93	EHD4X48A**	*9MPV100	0.97	0.97	EMA4X48D**		0.95	0.97
ED*4X48L**	*9MVX100	0.96	0.96	EHD4X48A**	*9MPV125	0.97	0.93	FEM4X48****		1.00	0.92

> 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**	MV20L24**B*	0.97	0.93	EHD4X48A**	*9MVX080	0.97	0.97	FEM4X60****		1.00	0.92
ED*4X48L**		0.97	0.99	EHD4X48A**	*9MVX100	0.97	0.97	FS(M,U)4X48****		0.98	1.01
ED*4X60J**	*8MPV100	1.00	0.96	EHD4X48A**	MV16J22**B*	0.98	0.90	FVM4X48****		0.99	0.91
ED*4X60J**	*8MPV125	1.00	0.92	EHD4X48A**	MV20L24**B*	0.98	0.90	FVM4X60****		1.00	0.88
ED*4X60J**	*9MPV100	0.99	0.95	EHD4X48A**		0.98	1.01				
ED*4X60J**	*9MVX080	0.99	0.99	EHD4X60A**	*8MPV100	1.00	0.96				
N4H460											
>FS(M,U)4X60****		1.00	1.00	ED*4X60L**	*9MPV125	0.99	1.01	EHD4X60A**	*9MPV125	0.99	0.99
ED*4X60J**	*8MPV100	1.00	1.00	ED*4X60L**	MV20L24**B*	1.00	0.97	EHD4X60A**	MV16J22**B*	1.01	0.98
ED*4X60J**	*8MPV125	1.00	1.00	ED*4X60L**		0.99	0.99	EHD4X60A**	MV20L24**B*	1.01	0.98
ED*4X60J**	*9MPV100	0.99	1.01	EHD4X60A**	*8MPV100	1.00	1.00	EHD4X60A**		0.99	0.99
ED*4X60J**	MV16J22**B*	1.00	0.97	EHD4X60A**	*8MPV125	1.00	1.00	FEM4X60****		1.01	0.97
ED*4X60J**		0.99	0.99	EHD4X60A**	*9MPV100	0.99	1.01	FVM4X60****		1.01	0.97
N4H461											
>FEM4X60****		1.00	1.00	ED*4X60L**	MV20L24**B*	0.99	0.99	EHD4X60A**	MV20L24**B*	1.00	1.00
ED*4X60J**	*8MPV125	0.99	1.08	ED*4X60L**		0.98	1.07	EHD4X60A**		0.99	1.08
ED*4X60J**	MV16J22**B*	0.99	0.99	EHD4X60A**	*8MPV125	0.99	1.03	FS(M,U)4X60****		0.99	1.08
ED*4X60J**		0.98	1.07	EHD4X60A**	MV16J22**B*	1.00	1.00	FVM4X60****		1.00	1.00

> 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)
N4H418											
>FEM4X18****		1.00	1.00	EHD4X24A**	*8MPV050	1.02	0.97	EMA4X24D**		1.02	1.04
ED*4X18B**	*8MPV050	1.00	1.02	EHD4X24A**	*9MPV050	1.02	0.97	FEM4X24****		1.00	0.99
ED*4X18B**	MV08B15**B*	0.97	1.01	EHD4X24A**	*9MPV075	1.02	0.97	FS(M,U)4X18****		1.02	1.08
ED*4X24B**	*8MPV050	1.02	0.98	EHD4X24A**	*9MVX040	1.02	0.97	FS(M,U)4X24****		1.02	1.08
ED*4X24B**	MV08B15**B*	0.98	0.98	EHD4X24A**	*9MVX060	1.02	0.96	FSA4X24**A*		1.02	1.06
ED*4X24B**		1.02	1.05	EHD4X24A**	MV08B15**B*	0.99	0.98	FVM4X24****		0.99	0.97
ED*4X24F**		1.02	1.05	EHD4X24A**		1.02	1.04				
N4H419											
>FEM4X18****		1.00	1.00	ED*4X24F**	*9MVX060	1.01	0.97	FEA4X18**A*		1.00	1.00
ED*4X18B**	*8MPV050	1.01	1.01	ED*4X24F**		1.01	1.05	FEA4X24**A*		1.00	0.98
ED*4X18B**	MV08B15**B*	0.98	1.01	EHD4X24A**	*8MPV050	1.01	0.97	FEA4X30**A*		1.01	0.99
ED*4X18B**		1.01	1.09	EHD4X24A**	*9MPV050	1.01	0.97	FEA4X36**A*		1.01	0.99
ED*4X24B**	*8MPV050	1.01	0.98	EHD4X24A**	*9MPV075	1.01	0.97	FEM4X24****		1.00	0.99
ED*4X24B**	MV08B15**B*	0.98	0.98	EHD4X24A**	*9MVX040	1.01	0.97	FS(M,U)4X18****		1.01	1.08
ED*4X24B**		1.01	1.05	EHD4X24A**	*9MVX060	1.01	0.97	FS(M,U)4X24****		1.01	1.08
ED*4X24F**	*9MPV050	1.01	0.97	EHD4X24A**	MV08B15**B*	0.99	0.97	FSA4X18**A*		1.01	1.08
ED*4X24F**	*9MPV075	1.01	0.97	EHD4X24A**		1.01	1.04	FSA4X24**A*		1.01	1.07
ED*4X24F**	*9MVX040	1.01	0.98	EMA4X24D**		1.01	1.04	FVM4X24****		0.99	0.97
N4H424											
>FS(M,U)4X30****		1.00	1.00	ED*4X30F**		1.00	1.02	EHD4X30A**	*9MPV050	0.99	0.98
ED*4X24B**	*8MPV050	1.00	0.97	EHD4X24A**	*8MPV050	1.00	0.96	EHD4X30A**	*9MPV075	0.99	0.97
ED*4X24B**	MV08B15**B*	1.00	0.98	EHD4X24A**	*8MPV075	1.00	0.95	EHD4X30A**	*9MPV100	0.98	0.94
ED*4X24B**		1.00	1.01	EHD4X24A**	*8MPV100	1.00	0.93	EHD4X30A**	*9MPV125	0.98	0.94
ED*4X24F**	*8MPV075	1.00	0.95	EHD4X24A**	*8MPV125	1.00	0.93	EHD4X30A**	*9MVX040	0.99	0.98
ED*4X24F**	*9MPV050	1.00	0.98	EHD4X24A**	*9MPV050	1.00	0.98	EHD4X30A**	*9MVX060	0.99	0.96
ED*4X24F**	*9MPV075	1.00	0.98	EHD4X24A**	*9MPV075	1.00	0.98	EHD4X30A**	*9MVX080	0.98	0.93
ED*4X24F**	*9MVX040	1.00	0.98	EHD4X24A**	*9MPV100	1.00	0.95	EHD4X30A**	*9MVX100	0.98	0.94
ED*4X24F**	*9MVX060	1.00	0.96	EHD4X24A**	*9MPV125	1.00	0.94	EHD4X30A**	MV08B15**B*	0.98	0.95
ED*4X24F**	MV12F19**B*	1.00	0.98	EHD4X24A**	*9MVX040	1.00	0.97	EHD4X30A**	MV12F19**B*	0.98	0.95
ED*4X24F**		1.00	1.01	EHD4X24A**	*9MVX060	1.00	0.96	EHD4X30A**		1.00	1.01
ED*4X30B**	*8MPV050	1.00	0.98	EHD4X24A**	*9MVX080	1.00	0.93	EMA4X24D**		1.00	0.99
ED*4X30B**	MV08B15**B*	0.98	0.95	EHD4X24A**	*9MVX100	1.00	0.94	FEM4X24****		1.00	0.98
ED*4X30B**		1.00	1.02	EHD4X24A**	MV08B15**B*	1.00	0.95	FEM4X30****		1.00	0.95
ED*4X30F**	*8MPV075	0.99	0.94	EHD4X24A**	MV12F19**B*	1.00	0.95	FS(M,U)4X24****		1.00	1.03
ED*4X30F**	*9MPV050	0.99	0.97	EHD4X24A**		1.00	0.98	FSA4X24**A*		1.00	1.02
ED*4X30F**	*9MPV075	1.00	0.97	EHD4X30A**	*8MPV050	0.99	0.97	FSA4X30**A*		1.00	1.02
ED*4X30F**	*9MVX040	0.99	0.97	EHD4X30A**	*8MPV075	0.99	0.95	FVM4X24****		1.00	0.96
ED*4X30F**	*9MVX060	1.00	0.97	EHD4X30A**	*8MPV100	0.98	0.93	FVM4X36****		0.98	0.94
ED*4X30F**	MV12F19**B*	0.98	0.95	EHD4X30A**	*8MPV125	0.98	0.93				

> 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)
N4H430											
>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	FSA4X30**A*		1.00	1.01
ED*4X36F**	*9MVX040	0.99	0.97	EHD4X30A**	MV12F19**B*	0.97	0.93	FSA4X36**A*		1.00	1.00
ED*4X36F**	*9MVX060	0.99	0.96	EHD4X30A**		1.00	0.99	FSM4X36****		1.00	0.97
ED*4X36F**	MV12F19**B*	0.97	0.92	EHD4X36A**	*8MPV050	1.00	0.95	FVM4X24****		0.97	0.93
ED*4X36F**		1.00	1.00	EHD4X36A**	*8MPV075	0.99	0.92	FVM4X36****		0.97	0.93
ED*4X36J**	*8MPV100	0.99	0.92	EHD4X36A**	*8MPV100	0.99	0.91	FVM4X48****		0.98	0.89
N4H436											
>FS(M,U)4X42****		1.00	1.00	ED*4X42J**		1.00	1.01	EHD4X42A**	*8MPV125	1.00	0.93
ED*4X36B**	*8MPV050	0.99	1.04	ED*4X42L**	*9MPV125	0.99	0.95	EHD4X42A**	*9MPV050	1.00	0.99
ED*4X36B**	MV08B15**B*	0.98	0.98	ED*4X42L**	*9MVX100	0.99	0.96	EHD4X42A**	*9MPV075	1.00	0.98
ED*4X36B**		1.00	1.04	ED*4X42L**	MV20L24**B*	0.97	0.94	EHD4X42A**	*9MPV100	1.00	0.94
ED*4X36F**	*8MPV075	0.99	0.99	ED*4X42L**		1.00	1.01	EHD4X42A**	*9MPV125	1.00	0.93
ED*4X36F**	*9MPV050	0.99	1.03	EHD4X36A**	*8MPV050	1.00	1.01	EHD4X42A**	*9MVX040	1.00	0.99
ED*4X36F**	*9MPV075	0.99	1.02	EHD4X36A**	*8MPV075	1.00	0.97	EHD4X42A**	*9MVX060	1.00	0.97
ED*4X36F**	*9MVX040	0.99	1.03	EHD4X36A**	*8MPV100	1.00	0.94	EHD4X42A**	*9MVX080	1.00	0.93
ED*4X36F**	*9MVX060	0.99	1.00	EHD4X36A**	*8MPV125	1.00	0.94	EHD4X42A**	*9MVX100	1.00	0.94
ED*4X36F**	MV12F19**B*	0.97	0.96	EHD4X36A**	*9MPV050	1.00	1.00	EHD4X42A**	MV08B15**B*	0.99	0.94
ED*4X36F**		1.00	1.02	EHD4X36A**	*9MPV075	1.00	0.99	EHD4X42A**	MV12F19**B*	0.98	0.92
ED*4X36J**	*8MPV100	0.99	0.96	EHD4X36A**	*9MPV100	1.00	0.96	EHD4X42A**	MV16J22**B*	0.98	0.92
ED*4X36J**	*8MPV125	0.99	0.96	EHD4X36A**	*9MPV125	1.00	0.95	EHD4X42A**	MV20L24**B*	0.98	0.92
ED*4X36J**	*9MPV100	0.99	0.98	EHD4X36A**	*9MVX040	1.00	1.00	EHD4X42A**		1.00	0.97
ED*4X36J**	*9MVX080	0.99	0.97	EHD4X36A**	*9MVX060	1.00	0.98	EMA4X36D**		1.00	1.03
ED*4X36J**	MV16J22**B*	0.97	0.96	EHD4X36A**	*9MVX080	1.00	0.95	FEM4X36****		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*4X36J**		1.00	1.02	EHD4X36A**	*9MVX100	0.99	0.95	FEM4X42****		1.00	0.95
ED*4X42F**	*9MVX040	0.99	1.02	EHD4X36A**	MV08B15**B*	0.98	0.94	FSA4X36**A*		1.00	1.04
ED*4X42F**	*9MVX060	0.99	0.99	EHD4X36A**	MV12F19**B*	0.98	0.94	FSM4X36****		1.00	0.99
ED*4X42F**	MV12F19**B*	0.98	0.95	EHD4X36A**	MV16J22**B*	0.98	0.93	FSU4X36****		1.00	1.03
ED*4X42J**	*8MPV100	1.00	0.96	EHD4X36A**	MV20L24**B*	0.98	0.94	FVM4X24****		0.98	0.99
ED*4X42J**	*8MPV125	0.99	0.95	EHD4X36A**		1.00	0.98	FVM4X36****		0.97	0.97
ED*4X42J**	*9MPV100	1.00	0.97	EHD4X42A**	*8MPV050	1.00	1.00	FVM4X48****		0.99	0.93
ED*4X42J**	*9MVX080	1.00	0.96	EHD4X42A**	*8MPV075	1.00	0.95	FVM4X60****		0.99	0.90
ED*4X42J**	MV16J22**B*	0.97	0.94	EHD4X42A**	*8MPV100	1.00	0.93				
N4H442											
>FS(M,U)4X48****		1.00	1.00	ED*4X48J**	*9MPV100	1.00	0.98	EHD4X48A**	MV16J22**B*	1.00	0.96
ED*4X42F**	*9MVX060	1.00	1.05	ED*4X48J**	*9MVX080	1.00	0.98	EHD4X48A**	MV20L24**B*	1.00	0.96
ED*4X42J**	MV16J22**B*	0.99	0.99	ED*4X48J**		1.00	1.00	EHD4X48A**	*8MPV100	1.00	0.97
ED*4X42J**	*8MPV125	1.00	1.00	ED*4X48L**	MV20L24**B*	1.00	0.97	EHD4X48A**	*8MPV125	1.00	0.97
ED*4X42J**	*8MPV100	1.00	1.01	ED*4X48L**	*9MPV125	1.00	0.98	EHD4X48A**	*9MVX080	1.00	0.97
ED*4X42J**	*9MVX080	1.00	1.01	ED*4X48L**	*9MVX100	1.00	0.99	EHD4X48A**	*9MPV100	1.00	0.98
ED*4X42J**	*9MPV100	1.00	1.02	ED*4X48L**		1.00	1.00	EHD4X48A**	*9MPV125	1.00	0.98
ED*4X42J**		1.00	1.03	EHD4X42A**	*8MPV125	1.00	0.97	EHD4X48A**	*9MVX100	1.00	0.98
ED*4X42L**	MV20L24**B*	0.99	0.99	EHD4X42A**	MV16J22**B*	1.00	0.97	EHD4X48A**	*8MPV075	1.00	0.99
ED*4X42L**	*9MPV125	1.00	1.01	EHD4X42A**	MV20L24**B*	1.00	0.97	EHD4X48A**		1.00	0.99
ED*4X42L**	*9MVX100	1.00	1.02	EHD4X42A**	*8MPV100	1.00	0.98	EHD4X48A**	*9MVX060	1.00	1.00
ED*4X42L**		1.00	1.03	EHD4X42A**	*9MPV125	1.00	0.98	EHD4X48A**	*9MPV075	1.00	1.01
ED*4X48F**		1.00	0.98	EHD4X42A**	*9MVX080	1.00	0.98	EMA4X48D**		1.00	1.01
ED*4X48F**	*8MPV075	1.00	0.99	EHD4X42A**	*9MPV100	1.00	0.99	FEM4X42****		1.00	0.98
ED*4X48F**	*9MVX060	1.00	1.00	EHD4X42A**	*9MVX100	1.00	0.99	FEM4X48****		1.00	0.95
ED*4X48F**	*9MPV075	1.00	1.01	EHD4X42A**	*8MPV075	1.00	1.00	FS(M,U)4X42****		1.00	1.03
ED*4X48J**	*8MPV100	1.00	0.97	EHD4X42A**		1.00	1.00	FVM4X36****		0.99	1.02
ED*4X48J**	*8MPV125	1.00	0.97	EHD4X42A**	*9MVX060	1.00	1.01	FVM4X48****		1.00	0.97
ED*4X48J**	MV16J22**B*	1.00	0.97	EHD4X42A**	*9MPV075	1.00	1.02	FVM4X60****		1.00	0.94
N4H448											
>FS(M,U)4X60****		1.00	1.00	ED*4X60J**	MV16J22**B*	0.96	0.95	EHD4X60A**	*8MPV125	0.98	0.96
ED*4X48F**		0.98	1.02	ED*4X60J**		0.99	0.99	EHD4X60A**	*9MPV100	0.98	0.98
ED*4X48J**	*8MPV100	0.97	0.99	ED*4X60L**	*9MPV125	0.98	0.99	EHD4X60A**	*9MPV125	0.98	0.98
ED*4X48J**	*8MPV125	0.97	0.99	ED*4X60L**	*9MVX100	0.98	0.99	EHD4X60A**	*9MVX080	0.98	0.98
ED*4X48J**	*9MPV100	0.97	1.01	ED*4X60L**	MV20L24**B*	0.96	0.95	EHD4X60A**	*9MVX100	0.98	0.99
ED*4X48J**	*9MVX080	0.98	1.02	ED*4X60L**		0.99	0.99	EHD4X60A**	MV16J22**B*	0.96	0.94
ED*4X48J**	MV16J22**B*	0.96	0.97	EHD4X48A**	*8MPV100	0.98	1.00	EHD4X60A**	MV20L24**B*	0.96	0.94
ED*4X48J**		0.99	1.02	EHD4X48A**	*8MPV125	0.97	0.98	EHD4X60A**		0.99	0.99
ED*4X48L**	*9MPV125	0.97	1.00	EHD4X48A**	*9MPV100	0.98	1.01	EMA4X48D**		0.97	1.05
ED*4X48L**	*9MVX100	0.97	1.01	EHD4X48A**	*9MPV125	0.97	1.00	FEM4X48****		0.98	0.97

> 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*4X48L**	MV20L24**B*	0.96	0.97	EHD4X48A**	*9MVX080	0.98	1.01	FEM4X60****		0.98	0.92
ED*4X48L**		0.99	1.02	EHD4X48A**	*9MVX100	0.97	1.00	FS(M,U)4X48****		0.99	1.03
ED*4X60J**	*8MPV100	0.98	0.97	EHD4X48A**	MV16J22**B*	0.96	0.96	FVM4X48****		0.96	0.97
ED*4X60J**	*8MPV125	0.98	0.97	EHD4X48A**	MV20L24**B*	0.96	0.96	FVM4X60****		0.97	0.94
ED*4X60J**	*9MPV100	0.98	0.98	EHD4X48A**		0.99	1.01				
ED*4X60J**	*9MVX080	0.98	0.98	EHD4X60A**	*8MPV100	0.98	0.97				
N4H460											
>FS(M,U)4X60****		1.00	1.00	ED*4X60L**	*9MPV125	1.00	1.01	EHD4X60A**	*9MPV125	1.01	1.00
ED*4X60J**	*8MPV100	1.01	1.01	ED*4X60L**	MV20L24**B*	0.98	0.95	EHD4X60A**	MV16J22**B*	0.98	0.94
ED*4X60J**	*8MPV125	1.00	0.99	ED*4X60L**		0.99	0.99	EHD4X60A**	MV20L24**B*	0.98	0.94
ED*4X60J**	*9MPV100	1.01	1.02	EHD4X60A**	*8MPV100	1.01	0.99	EHD4X60A**		1.00	0.99
ED*4X60J**	MV16J22**B*	0.98	0.95	EHD4X60A**	*8MPV125	1.00	0.98	FEM4X60****		0.98	0.94
ED*4X60J**		0.99	0.99	EHD4X60A**	*9MPV100	1.01	1.01	FVM4X60****		0.98	0.94
N4H461											
>FEM4X60****		1.00	1.00	ED*4X60L**	MV20L24**B*	1.01	1.01	EHD4X60A**	MV20L24**B*	1.01	1.00
ED*4X60J**	*8MPV125	1.02	1.05	ED*4X60L**		1.02	1.06	EHD4X60A**		1.02	1.05
ED*4X60J**	MV16J22**B*	1.01	1.02	EHD4X60A**	*8MPV125	1.03	1.04	FS(M,U)4X60****		1.03	1.07
ED*4X60J**		1.02	1.06	EHD4X60A**	MV16J22**B*	1.01	1.00	FVM4X60****		1.01	1.00

> Indicates Tested Indoor Model

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)

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

Product Family

2 = R−22
4 = R−410A — **REFRIGERANT**

A = Air Conditioner
H = Heat Pump — **TYPE**

3 = 13 SEER
4 = 14 SEER
5 = 15 SEER
6 = 16 SEER
7 = 17 SEER
8 = 18 SEER — **NOMINAL EFFICIENCY**

18 = 18,000 BTUH = 1½ tons
24 = 24,000 BTUH = 2 tons
30 = 30,000 BTUH = 2½ tons
36 = 36,000 BTUH = 3 tons
42 = 42,000 BTUH = 3½ tons
48 = 48,000 BTUH = 4 tons
60 = 60,000 BTUH = 5 tons — **NOMINAL CAPACITY**

A = Standard Grille
G = Coil Guard Grille
C = Coastal — **FEATURES**

K = 208/230−1−60 — **VOLTAGE**

Sales Code

Engineering Revision

Extra Digit

Extra Digit

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

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

N = Non−Branded — **BRANDING**

A = Accessory — **PRODUCT GROUP**

S = Split System (AC & HP) — **KIT USAGE**

A = Original
B = 2nd Generation — **MAJOR SERIES**

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

Product Identifier Number

Package Quantity

Type of Kit
(Example: CH = Crankcase Heater)