

TECHNICAL SUPPORT MANUAL

Split System Air Conditioner

N4A4

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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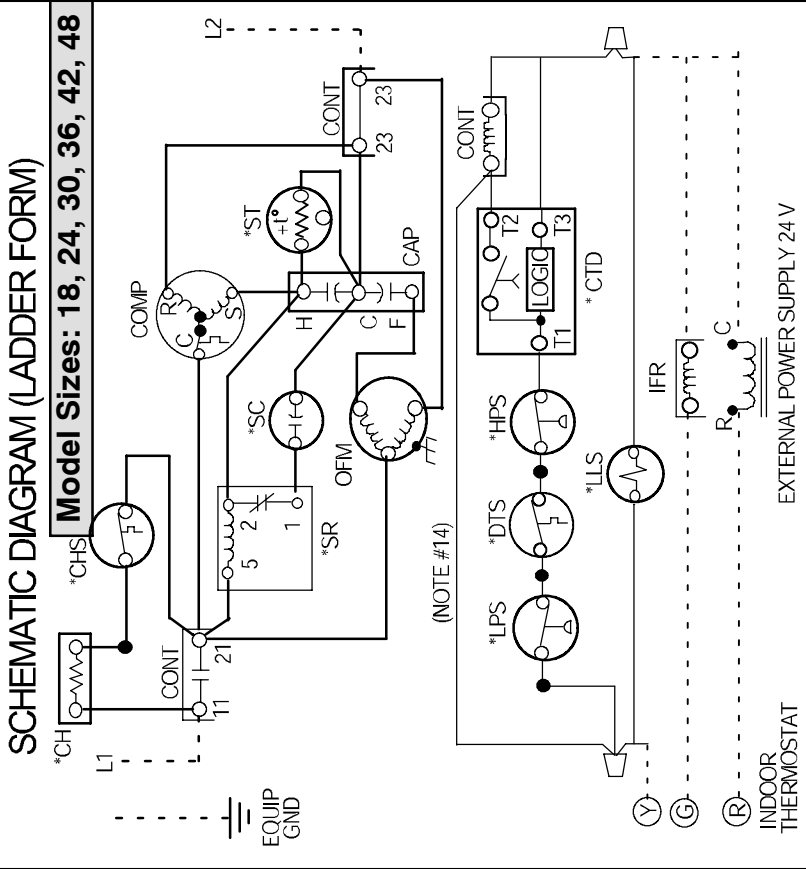
DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD

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

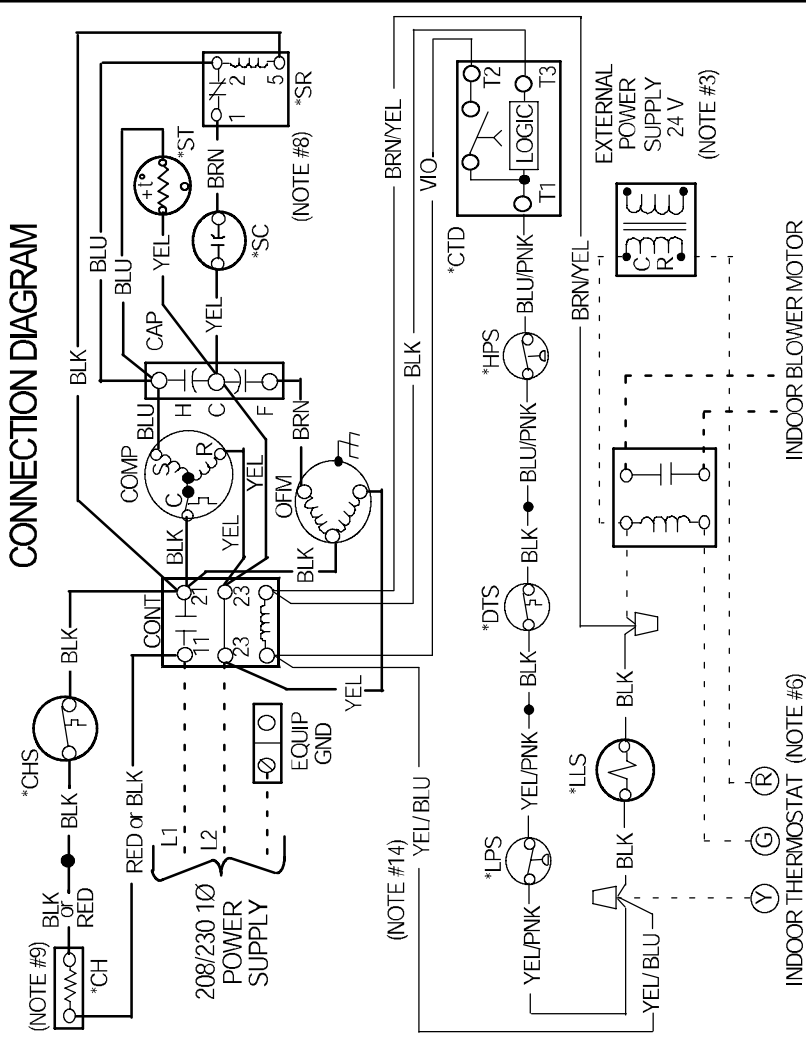
Installation or repairs made by unqualified persons could result in equipment malfunction, property damage, personal injury and/or death.

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.

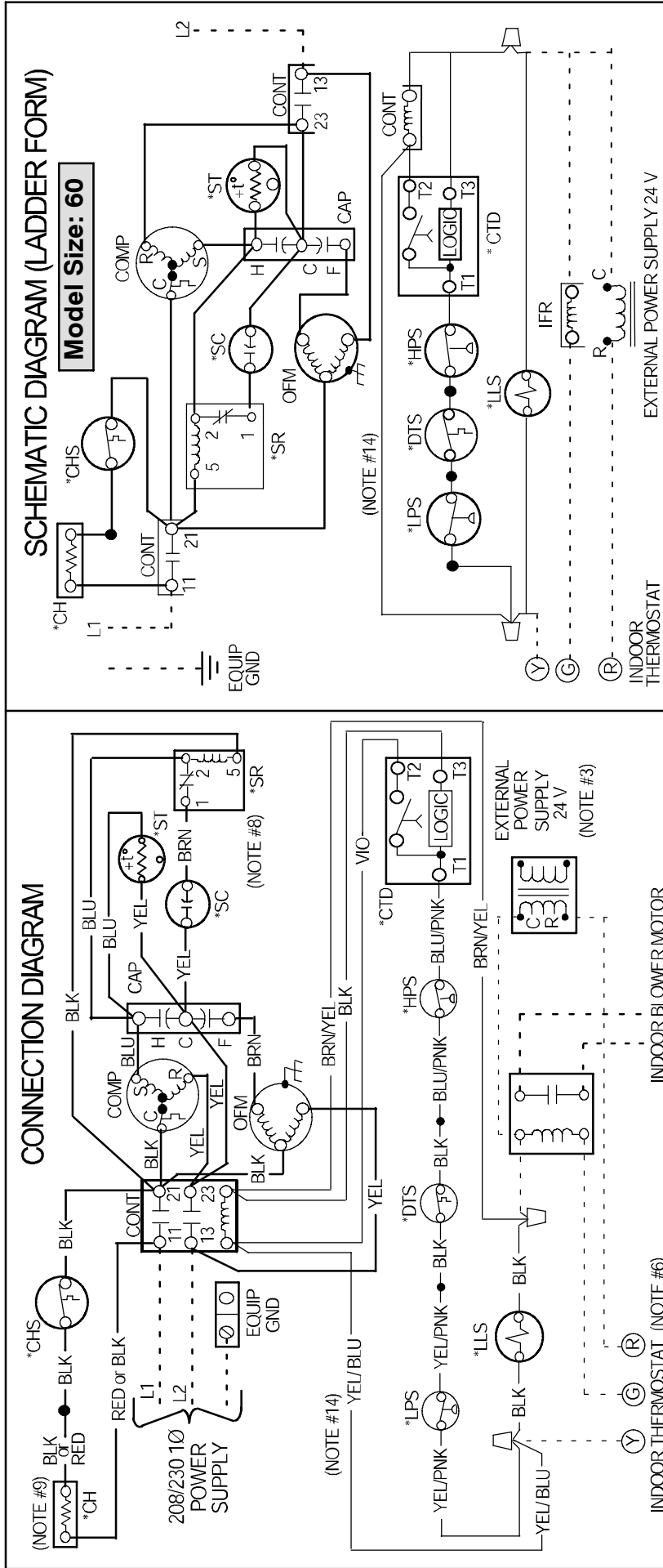
Installation must conform with local building codes and with the National Electrical Code NFPA70 current edition or Canadian Electrical Code Part 1 CSA C.22.1.



- LEGEND**
- FACTORY POWER WIRING
 - - - FACTORY CONTROL WIRING
 - - - FIELD POWER WIRING
 - - - COMPONENT CONNECTION
 - FIELD SPLICE
 - ⊕ JUNCTION
 - ⊖ PLUG RECEPTACLE
 - CONT CONTACTOR
 - CAP CAPACITOR (DUAL RUN)
 - *CH CRANKCASE HEATER
 - *COMP COMPRESSOR
 - *CTD COMPRESSOR TIME DELAY
 - *DTS DISCHARGE TEMP SWITCH
 - *HPS HIGH PRESSURE SWITCH
 - *IFR INDOOR FAN RELAY
 - *LLS LIQ LINE SOLENOID VALVE
 - *LPS LOW PRESSURE SWITCH
 - *OFM OUTDOOR FAN MOTOR
 - *SC START CAPACITOR
 - *SR START RELAY
 - *ST START THERMISTOR
- * MAY BE FACTORY 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. Use copper conductors only. Use conductors suitable for at least 75 °C (167 °F).
6. Connection for typical cooling only thermostat. For other arrangements see installation instructions.
7. If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN/YEL lead.
8. When start capacitor and relay are installed, start thermistor (PTC) is not used.
9. CH not used on all units.
10. If any of the original wire, as supplied, must be replaced, use the same or equivalent wire.
11. Check all electrical connections inside control box for tightness.
12. Do not attempt to operate unit until service valves have been opened.
13. Do not rapid cycle compressor. Compressor must be off 3 minutes to allow pressures to equalize between high and low side before starting.
14. Wire not present if HPS, LPS or CTD are used.



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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.
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6. Connection for typical cooling only thermostat. For other arrangements see installation instructions.
7. If indoor section has a transformer with a grounded secondary, connect the grounded side to the BRN/YEL lead.
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 equalize between high and low side before starting.
14. Wire not present if HPS, LPS or CTD are used.

R-410A CHARGING CHART

- Find the required Subcooling Temperature on the unit Rating Plate. Use the closest column on the chart below (6, 8, 10, 12, 14 or 16) .
- Add or remove refrigerant until both the Liquid Line Temperature and Liquid Pressure agree with chart data.

Measured Liquid Pressure (psig)	Rating Plate (required) Subcooling Temperature (°F)					
	6	8	10	12	14	16
	Required Liquid Line Temperature (°F)					
189	60	58	56	54	52	50
195	62	60	58	56	54	52
202	64	62	60	58	56	54
208	66	64	62	60	58	56
215	68	66	64	62	60	58
222	70	68	66	64	62	60
229	72	70	68	66	64	62
236	74	72	70	68	66	64
243	76	74	72	70	68	66
251	78	76	74	72	70	68
259	80	78	76	74	72	70
266	82	80	78	76	74	72
274	84	82	80	78	76	74
283	86	84	82	80	78	76
291	88	86	84	82	80	78
299	90	88	86	84	82	80
308	92	90	88	86	84	82
317	94	92	90	88	86	84
326	96	94	92	90	88	86
335	98	96	94	92	90	88
345	100	98	96	94	92	90
354	102	100	98	96	94	92
364	104	102	100	98	96	94
374	106	104	102	100	98	96
384	108	106	104	102	100	98
395	110	108	106	104	102	100
406	112	110	108	106	104	102
416	114	112	110	108	106	104
427	116	114	112	110	108	106
439	118	116	114	112	110	108
450	120	118	116	114	112	110
462	122	120	118	116	114	112
474	124	122	120	118	116	114
486	126	124	122	120	118	116
499	128	126	124	122	120	118
511	130	128	126	124	122	120

N4A418AKA N4A418GKA		N4A418*KA Outdoor With ED*4X24B Indoor Cooling																			
		Outdoor Ambient Temperature - °F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - °F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
525	MBh †	21.45	19.49	17.72	17.06	20.41	18.55	16.86	16.40	19.34	17.57	15.99	15.70	18.23	16.56	15.09	14.98	17.08	15.51	14.21	14.21
	S/T ‡	0.52	0.70	0.90	1.00	0.53	0.71	0.92	1.00	0.53	0.73	0.95	1.00	0.54	0.74	0.97	1.00	0.56	0.77	1.00	1.00
	AMPS^	5.08	5.14	5.19	5.21	5.74	5.80	5.85	5.86	6.47	6.53	6.58	6.58	7.28	7.34	7.39	7.39	8.18	8.24	8.29	8.29
	HI PR	262	259	256	255	303	300	297	297	349	345	342	342	399	395	392	391	453	449	446	446
	LO PR	157	144	132	128	160	146	134	131	162	149	137	135	165	151	139	138	167	154	143	143
600	MBh †	21.89	19.92	18.17	17.86	20.80	18.92	17.29	17.14	19.68	17.90	16.41	16.39	18.52	16.85	15.61	15.61	17.32	15.75	14.78	14.78
	S/T ‡	0.53	0.73	0.95	1.00	0.54	0.74	0.97	1.00	0.55	0.76	0.99	1.00	0.56	0.78	1.00	1.00	0.58	0.81	1.00	1.00
	AMPS^	5.19	5.25	5.30	5.31	5.85	5.90	5.95	5.95	6.58	6.63	6.68	6.68	7.39	7.45	7.49	7.49	8.29	8.35	8.39	8.39
	HI PR	262	260	257	257	304	301	298	298	350	346	343	343	400	396	393	393	454	450	447	447
	LO PR	161	148	136	134	164	150	138	137	166	152	141	141	168	154	144	144	171	157	148	148
675	MBh †	22.22	20.23	18.58	18.53	21.09	19.20	17.76	17.76	19.92	18.14	16.96	16.96	18.72	17.05	16.13	16.13	17.49	15.93	15.25	15.25
	S/T ‡	0.55	0.76	0.99	1.00	0.56	0.78	1.00	1.00	0.57	0.80	1.00	1.00	0.59	0.82	1.00	1.00	0.60	0.85	1.00	1.00
	AMPS^	5.30	5.36	5.41	5.41	5.96	6.01	6.06	6.06	6.69	6.75	6.78	6.78	7.50	7.56	7.59	7.59	8.40	8.46	8.49	8.49
	HI PR	263	260	258	258	305	302	299	299	351	347	345	345	400	397	394	394	454	450	449	449
	LO PR	164	151	140	139	166	153	143	143	169	155	146	146	171	157	150	150	173	159	154	154

† 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.

^ 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.)

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

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

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)
> ED*4X24B**		1.00	1.00	EMH24F****		0.94	0.99	FS(M,U)4X24****		0.99	1.02
ED*4X18B**		0.98	1.03	EP*18B****		0.91	1.00	FEM4X18****		1.00	0.92
ED*4X18B**	MV08B15****	1.01	0.97	EP*18B****	MV08B15****	0.92	0.94	FEM4X24****		1.01	0.97
ED*4X24B**	MV08B15****	1.02	0.97	EP*24B****		0.94	0.99	EBP18****		0.94	0.99
ED*4X24F**		1.00	1.00	EP*24B****	MV08B15****	0.96	0.94	EBP24****		0.98	1.01
ED*4X24F**	MV12F19****	1.02	0.97	EP*24F****		0.94	0.99	FWM18****		0.95	0.98
EMA4X24D**		1.00	1.00	EP*24F****	MV12F19****	0.96	0.94	FWM24****		0.98	1.01
EHD4X24A**		1.00	1.00	EPP024****		0.89	0.99	EBX18****		0.98	1.01
EHD4X24A**	MV08B15****	1.02	0.97	EXX*24B****		0.99	1.02	EBX24****		0.99	0.99
EHD4X24A**	MV12F19****	1.02	0.97	EXX*24B****	MV08B15****	1.03	0.98	EBV24****		1.02	0.94
EL*18B****		0.91	1.00	EXX*24F****		0.99	1.02	EBV36****		1.01	0.96
EL*24B****		0.94	0.99	EXX*24F****	MV12F19****	1.03	0.98	FSA2X24****		0.99	1.02
EL*24B****	MV08B15****	0.96	0.91	FS(M,U)4X18****		0.98	1.01				

> Indicates Tested Indoor Model

N4A424AKA N4A424GKA		N4A424*KA Outdoor With ED*4X30B Indoor Cooling																						
		Outdoor Ambient Temperature - °F, Dry Bulb																						
		75					85					95					105					115		
		Entering Indoor Temperature - °F, Wet Bulb																						
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57			
700	MBh †	22.65	23.41	25.73	28.35	21.83	22.37	24.58	27.11	20.95	21.28	23.37	25.80	20.01	20.13	22.08	24.42	18.99	18.99	20.71	22.92			
	S/T ‡	1.00	0.91	0.70	0.52	1.00	0.93	0.71	0.53	1.00	0.95	0.73	0.54	1.00	0.98	0.75	0.54	1.00	1.00	0.77	0.56			
	AMPS^	6.77	6.76	6.73	6.70	7.61	7.60	7.57	7.54	8.54	8.53	8.50	8.47	9.57	9.57	9.54	9.50	10.71	10.71	10.68	10.65			
	HI PR	251	252	254	256	292	293	295	297	338	338	340	343	387	387	390	392	441	441	443	446			
	LO PR	128	132	144	157	131	134	146	159	134	136	148	161	138	139	150	163	142	142	153	166			
800	MBh †	23.66	23.99	26.26	28.94	22.78	22.92	25.06	27.64	21.84	21.83	23.80	26.27	20.84	20.84	22.47	24.82	19.75	19.75	21.04	23.27			
	S/T ‡	1.00	0.95	0.73	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.77	0.55	1.00	1.00	0.79	0.57	1.00	1.00	0.81	0.58			
	AMPS^	6.91	6.91	6.88	6.85	7.75	7.75	7.72	7.69	8.68	8.68	8.66	8.62	9.72	9.72	9.69	9.66	10.86	10.86	10.84	10.80			
	HI PR	252	252	254	256	293	294	296	298	339	339	341	343	388	388	390	393	442	442	444	447			
	LO PR	134	136	147	160	137	138	149	162	140	140	151	164	144	144	153	167	148	148	156	169			
900	MBh †	24.51	24.53	26.67	29.38	23.57	23.57	25.43	28.03	22.58	22.58	24.13	26.61	21.52	21.52	22.75	25.12	20.37	20.37	21.29	23.51			
	S/T ‡	1.00	0.99	0.76	0.55	1.00	1.00	0.78	0.56	1.00	1.00	0.80	0.57	1.00	1.00	0.83	0.59	1.00	1.00	0.86	0.60			
	AMPS^	7.06	7.06	7.04	7.01	7.90	7.90	7.88	7.85	8.83	8.83	8.81	8.78	9.87	9.87	9.85	9.82	11.01	11.01	10.99	10.96			
	HI PR	253	253	255	257	294	294	296	298	340	340	341	344	389	389	391	394	443	443	445	447			
	LO PR	139	139	150	163	142	142	152	165	145	145	154	167	149	149	156	169	153	153	158	171			

† 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.

^ 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.)

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

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

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)
> ED*4X30B**		1.00	1.00	EHD4X30A**		1.00	1.00	EP*30B****	MV08B15****	0.93	0.92
ED*4X24B**		0.99	0.99	EHD4X30A**	*8MPV050	1.02	0.97	EP*30F****		0.92	0.97
ED*4X24B**	*8MPV050	1.01	0.97	EHD4X30A**	*8MPV075	1.03	0.94	EP*30F****	*9MPV050	0.94	0.97
ED*4X24B**	MV08B15****	1.02	0.94	EHD4X30A**	*8MPV125	1.03	0.91	EP*30F****	*9MPV075	0.94	0.94
ED*4X24F**		0.99	0.99	EHD4X30A**	*9MPV050	1.03	0.98	EPP024****		0.83	0.97
ED*4X24F**	*9MPV050	0.97	0.93	EHD4X30A**	*9MPV075	1.03	0.94	EPP030****		0.91	0.99
ED*4X24F**	*9MPV075	0.98	0.94	EHD4X30A**	*9MPV100	1.03	0.94	EXX*24B****		0.98	1.01
ED*4X24F**	MV12F19****	1.02	0.94	EHD4X30A**	MV08B15****	1.03	0.94	EXX*24B****	*8MPV050	1.00	1.00
ED*4X30B**	*8MPV050	1.03	0.98	EHD4X30A**	MV12F19****	1.03	0.94	EXX*24B****	MV08B15****	1.01	0.93
ED*4X30B**	MV08B15****	1.03	0.95	EHD4X30A**	MV16J22****	1.03	0.94	EXX*24F****		0.98	1.01
ED*4X30F**		1.00	1.00	EHD4X30A**	MV20N26****	1.03	0.94	EXX*24F****	*8MPV075	1.01	0.97
ED*4X30F**	*9MPV050	1.03	0.94	EL*24B****		0.93	1.00	EXX*24F****	*9MPV050	1.00	1.00
ED*4X30F**	*9MPV075	1.03	0.94	EL*24B****	*8MPV050	0.92	0.97	EXX*24F****	*9MPV075	1.00	1.00
ED*4X30F**	MV12F19****	1.03	0.95	EL*24B****	MV08B15****	0.92	0.92	EXX*24F****	MV12F19****	1.02	0.90
EMA4X24D**		0.99	0.99	EL*30B****		0.93	0.98	FS(M,U)4X24****		0.98	0.98
EHD4X24A**		0.99	0.99	EL*30B****	*8MPV050	0.93	0.96	FS(M,U)4X30****		0.99	0.99
EHD4X24A**	*8MPV050	1.01	0.97	EL*30B****	MV08B15****	0.93	0.89	FEM4X24****		1.00	0.92
EHD4X24A**	*8MPV075	1.02	0.94	EMH24F****		0.92	0.99	FEM4X30****		1.01	0.93
EHD4X24A**	*8MPV100	1.03	0.94	EMH30F****		0.93	0.98	EBP24****		0.97	1.00
EHD4X24A**	*8MPV125	0.97	0.90	EP*24B****		0.92	0.99	EBP30****		0.98	1.01
EHD4X24A**	*9MPV050	0.98	0.94	EP*24B****	*8MPV050	0.92	0.96	FWM24****		0.97	1.01
EHD4X24A**	*9MPV075	1.01	0.97	EP*24B****	MV08B15****	0.92	0.92	FWM30****		0.98	1.01
EHD4X24A**	*9MPV100	1.03	0.94	EP*24F****		0.92	0.99	EBXX18****		0.97	1.00
EHD4X24A**	*9MPV125	1.01	0.93	EP*24F****	*9MPV050	0.91	0.95	EBXX24****		0.98	1.01

> Indicates Tested Indoor Model

- continued on next page -

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)
EHD4X24A**	MV08B15****	1.01	0.93	EP*24F****	*9MPV075	0.93	0.96	EBV24****		1.02	0.94
EHD4X24A**	MV12F19****	1.02	0.94	EP*24F****	MV12F19****	0.92	0.89	EBV36****		1.02	0.94
EHD4X24A**	MV16J22****	1.02	0.94	EP*30B****		0.93	0.98	FSA2X24****		0.96	0.98
EHD4X24A**	MV20N26****	1.02	0.94	EP*30B****	*8MPV050	0.93	0.96	FSA2X30****		0.96	0.98

> Indicates Tested Indoor Model

N4A430AKA N4A430GKA		N4A430*KA Outdoor With ED*4X30B** Indoor Cooling																						
		Outdoor Ambient Temperature - °F, Dry Bulb																						
		75					85					95					105					115		
		Entering Indoor Temperature - °F, Wet Bulb																						
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57			
875	MBh †	27.79	28.63	31.35	34.45	26.80	27.39	29.98	32.96	25.74	26.10	28.53	31.38	24.61	24.74	26.98	29.71	23.37	23.36	25.32	27.90			
	S/T ‡	1.00	0.91	0.70	0.52	1.00	0.93	0.72	0.53	1.00	0.95	0.73	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.77	0.56			
	AMPS^	8.59	8.59	8.59	8.60	9.52	9.52	9.52	9.53	10.55	10.54	10.55	10.55	11.68	11.68	11.68	11.69	12.93	12.93	12.93	12.94			
	HI PR	250	250	252	254	291	292	294	296	336	337	339	342	386	386	388	391	439	439	442	445			
	LO PR	127	130	142	155	130	132	144	157	133	135	146	159	137	137	148	162	141	141	151	164			
1000	MBh †	28.95	29.31	31.95	35.09	27.89	28.05	30.51	33.53	26.76	26.76	29.00	31.88	25.55	25.55	27.40	30.14	24.22	24.22	25.68	28.26			
	S/T ‡	1.00	0.96	0.73	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.77	0.56	1.00	1.00	0.79	0.57	1.00	1.00	0.81	0.58			
	AMPS^	8.79	8.79	8.79	8.80	9.72	9.71	9.72	9.72	10.74	10.74	10.74	10.75	11.88	11.88	11.88	11.89	13.13	13.13	13.13	13.14			
	HI PR	250	251	252	254	292	292	294	297	337	338	340	342	387	387	389	392	441	441	443	446			
	LO PR	133	134	145	158	136	136	147	160	139	139	149	162	142	142	151	165	146	146	154	167			
1125	MBh †	29.92	29.94	32.39	35.55	28.80	28.80	30.91	33.94	27.60	27.60	29.36	32.23	26.31	26.31	27.71	30.44	24.92	24.91	25.95	28.51			
	S/T ‡	1.00	0.99	0.77	0.56	1.00	1.00	0.78	0.56	1.00	1.00	0.80	0.57	1.00	1.00	0.83	0.59	1.00	1.00	0.86	0.60			
	AMPS^	8.99	8.99	8.99	9.00	9.91	9.91	9.91	9.92	10.94	10.94	10.94	10.95	12.08	12.08	12.08	12.09	13.33	13.33	13.33	13.34			
	HI PR	251	251	253	255	293	293	295	297	338	338	340	343	388	388	390	393	442	442	443	446			
	LO PR	138	138	148	161	141	140	150	163	144	144	152	165	147	147	154	167	151	151	156	169			

- † 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.
- ^ System amps are total of indoor and outdoor amps.

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

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

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)
> ED*4X30B**		1.00	1.00	EHD4X36A**	*9MPV075	1.01	0.97	EP*36F****	*9MPV075	0.97	0.99
ED*4X30B**	MV08B15****	1.01	0.93	EHD4X36A**	*9MPV100	1.01	0.93	EP*36F****	MV12F19****	0.98	0.96
ED*4X30F**		1.00	1.00	EHD4X36A**	*9MPV125	0.01	0.01	EP*36J****		0.96	1.00
ED*4X30F**	*8MPV075	1.02	0.98	EHD4X36A**	MV08B15****	1.02	0.94	EP*36J****	*8MPV100	0.97	0.96
ED*4X30F**	MV12F19****	1.02	0.94	EHD4X36A**	MV12F19****	1.02	0.94	EP*36J****	*8MPV125	0.97	0.96
ED*4X36B**		1.01	1.01	EHD4X36A**	MV16J22****	1.02	0.94	EP*36J****	*9MPV100	0.97	0.97
ED*4X36B**	MV08B15****	1.01	0.93	EHD4X36A**	MV20N26****	1.02	0.94	EP*36J****	MV16J22****	0.98	0.94
ED*4X36F**		1.01	1.01	EL*30B****		0.92	0.99	EPP030****		0.89	0.99
ED*4X36F**	*8MPV075	1.02	0.98	EL*30B****	MV08B15****	0.93	0.96	EPP036****		0.91	0.99
ED*4X36F**	*9MPV075	1.01	0.97	EL*36B****		0.96	1.00	EXX*36B****		1.00	0.98
ED*4X36F**	MV12F19****	1.03	0.95	EL*36B****	*8MPV050	0.96	1.00	EXX*36B****	MV08B15****	1.01	0.97
ED*4X36J**		1.01	1.01	EL*36B****	MV08B15****	0.97	0.95	EXX*36F****		1.00	1.03
ED*4X36J**	*8MPV100	1.03	0.95	EL*36F****		0.96	1.00	EXX*36F****	*8MPV075	1.01	1.00
ED*4X36J**	*9MPV100	1.02	0.94	EL*36F****	*9MPV050	0.97	0.99	EXX*36F****	MV12F19****	1.02	0.94
ED*4X36J**	MV16J22****	1.03	0.95	EL*36F****	*9MPV075	0.97	0.99	EXX*36J****		1.00	1.03
EMA4X36D**		1.00	1.00	EL*36F****	MV12F19****	0.98	0.96	EXX*36J****	*8MPV100	1.03	0.98
EHD4X30A**		1.00	1.00	EMH30F****		0.92	0.99	EXX*36J****	*8MPV125	1.03	0.98
EHD4X30A**	*8MPV075	1.02	0.98	EMH36F****		0.96	1.00	EXX*36J****	*9MPV100	1.02	1.00
EHD4X30A**	*8MPV100	1.02	0.94	EP*30B****		0.92	0.99	EXX*36J****	MV16J22****	1.02	0.94
EHD4X30A**	*8MPV125	1.02	0.94	EP*30B****	MV08B15****	0.93	0.96	FS(M,U)4X30****		0.99	0.99
EHD4X30A**	*9MPV100	1.02	0.98	EP*30F****		0.92	0.99	FSU4X36****		1.00	1.00
EHD4X30A**	*9MPV125	1.03	0.98	EP*30F****	*8MPV075	0.94	0.96	FEM4X36****		1.01	0.96
EHD4X30A**	MV08B15****	1.01	0.93	EP*30F****	*9MPV050	0.93	0.98	FEM4X36****		1.03	0.98
EHD4X30A**	MV12F19****	1.02	0.94	EP*30F****	*9MPV075	0.93	0.97	EBP30****		0.98	1.01
EHD4X30A**	MV16J22****	1.02	0.94	EP*30F****	MV12F19****	0.94	0.94	EBP36****		0.99	1.01
EHD4X30A**	MV20N26****	1.02	0.94	EP*36B****		0.96	1.00	FWM30****		0.98	1.01
EHD4X36A**		1.01	1.01	EP*36B****	*8MPV050	0.96	0.98	EBXX36****		1.00	1.03

> Indicates Tested Indoor Model

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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)
EHD4X36A**	*8MPV050	1.01	0.96	EP*36B****	MV08B15****	0.97	0.95	EBV36****		1.02	0.94
EHD4X36A**	*8MPV075	1.02	0.94	EP*36F****		0.96	1.00	EBV48****		1.03	0.95
EHD4X36A**	*8MPV100	1.02	0.94	EP*36F****	*8MPV075	0.97	0.97	FSA2X30****		0.98	1.01
EHD4X36A**	*8MPV125	1.02	0.94	EP*36F****	*9MPV050	0.97	0.99	FSA2X36****		1.00	1.00
EHD4X36A**	*9MPV050	1.02	0.98								

> Indicates Tested Indoor Model

N4A436AKA N4A436GKA		N4A436*KA Outdoor With ED*4X42J** Indoor Cooling																			
		Outdoor Ambient Temperature - °F, Dry Bulb																			
		75					85				95				105				115		
		Entering Indoor Temperature - °F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1050	MBh †	42.83	38.83	35.34	34.26	40.92	37.06	33.74	32.98	38.92	35.20	32.07	31.63	36.78	33.22	30.32	30.17	34.47	31.08	28.58	28.58
	S/T ‡	0.52	0.70	0.91	1.00	0.53	0.72	0.93	1.00	0.54	0.73	0.95	1.00	0.55	0.75	0.98	1.00	0.56	0.77	1.00	1.00
	AMPS^	10.21	10.21	10.20	10.20	11.44	11.43	11.42	11.42	12.79	12.78	12.77	12.77	14.32	14.30	14.29	14.29	16.01	16.00	15.98	15.98
	HI PR	249	249	249	249	291	292	292	292	338	339	339	339	389	390	391	391	444	446	448	448
	LO PR	150	137	126	123	152	139	128	126	154	142	131	129	157	144	134	133	160	147	137	137
1200	MBh †	43.66	39.58	36.18	35.72	41.67	37.74	34.56	34.36	39.58	35.80	32.87	32.91	37.36	33.75	31.35	31.36	34.96	31.55	29.67	29.67
	S/T ‡	0.54	0.73	0.95	1.00	0.55	0.75	0.97	1.00	0.55	0.77	1.00	1.00	0.57	0.79	1.00	1.00	0.58	0.82	1.00	1.00
	AMPS^	10.44	10.44	10.43	10.43	11.66	11.65	11.64	11.65	13.02	13.01	13.00	13.00	14.54	14.53	14.52	14.52	16.23	16.23	16.21	16.22
	HI PR	248	249	249	249	291	292	292	292	338	339	339	339	388	390	391	391	443	446	447	447
	LO PR	153	140	130	128	155	142	132	131	157	145	134	135	160	147	138	138	162	150	142	142
1350	MBh †	44.27	40.14	36.97	36.94	42.22	38.24	35.49	35.50	40.06	36.25	33.97	33.97	37.77	34.15	32.33	32.34	35.31	31.89	30.56	30.56
	S/T ‡	0.55	0.76	0.99	1.00	0.56	0.78	1.00	1.00	0.57	0.80	1.00	1.00	0.58	0.82	1.00	1.00	0.60	0.86	1.00	1.00
	AMPS^	10.66	10.66	10.65	10.65	11.88	11.88	11.87	11.87	13.24	13.23	13.23	13.23	14.77	14.76	14.75	14.75	16.46	16.45	16.44	16.44
	HI PR	248	249	249	249	291	292	292	292	338	338	339	339	388	390	390	390	442	445	446	446
	LO PR	155	143	133	133	158	145	136	136	160	147	139	139	162	149	143	143	164	152	147	147

- † 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.
- ^ 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.)

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

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

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)
> ED*4X42J**		1.00	1.00	EHD4X42A**	*9MPV075	1.01	0.99	EP*42J***	*9MPV100	0.96	0.99
ED*4X36B**		0.95	0.95	EHD4X42A**	*9MPV100	1.01	0.96	EP*42J***	MV16J22****	0.96	0.94
ED*4X36B**	MV08B15****	0.96	0.94	EHD4X42A**	*9MPV125	1.01	0.97	EXX*36B****		0.98	1.00
ED*4X36F**		0.99	0.99	EHD4X42A**	MV08B15****	1.00	0.96	EXX*36B****	*8MPV050	0.97	0.97
ED*4X36F**	*8MPV075	0.99	0.98	EHD4X42A**	MV12F19****	1.00	0.92	EXX*36B****	MV08B15****	0.99	0.98
ED*4X36F**	MV12F19****	1.00	0.96	EHD4X42A**	MV16J22****	1.00	0.92	EXX*36F****		0.98	1.00
ED*4X36J**		0.99	0.99	EHD4X42A**	MV20N26****	1.00	0.92	EXX*36F****	*8MPV075	0.99	0.99
ED*4X36J**	*8MPV100	1.00	0.96	EL*36B****	MV08B15****	0.93	0.93	EXX*36F****	*9MPV050	0.97	0.97
ED*4X36J**	*8MPV125	1.00	0.96	EL*36F****	*8MPV075	0.94	0.96	EXX*36F****	MV12F19****	0.99	0.95
ED*4X36J**	*9MPV100	0.99	0.98	EL*36F****	*9MPV050	0.93	0.95	EXX*36J****		0.99	1.02
ED*4X36J**	MV16J22****	0.99	0.91	EL*36F****	*9MPV075	0.93	0.96	EXX*36J****	*8MPV100	0.99	0.95
ED*4X42J**	*8MPV100	1.01	0.96	EL*36F****	MV12F19****	0.94	0.94	EXX*36J****	*8MPV125	0.99	0.95
ED*4X42J**	*8MPV125	1.01	0.96	EL*42F****		0.96	0.99	EXX*36J****	*9MPV100	0.99	0.97
ED*4X42J**	*9MPV100	1.01	0.99	EL*42F****	*8MPV075	0.97	0.97	EXX*36J****	MV16J22****	0.98	0.94
ED*4X42J**	MV16J22****	1.00	0.96	EL*42F****	*9MPV050	0.95	0.98	EXX*42F****		1.01	0.95
ED*4X42L**		1.00	1.00	EL*42F****	*9MPV075	0.96	0.99	EXX*42F****	*8MPV075	1.01	0.92
ED*4X42L**	*9MPV125	0.99	0.95	EL*42F****	MV12F19****	0.97	0.96	EXX*42F****	*9MPV050	0.98	0.92
EMA4X36D**		0.99	0.99	EMH42F****		0.96	0.99	EXX*42F****	*9MPV075	1.00	0.93
EHD4X36A**		0.99	0.99	EP*36B****	MV08B15****	0.93	0.93	EXX*42F****	MV12F19****	1.01	0.89
EHD4X36A**	*8MPV075	0.99	0.95	EP*36F****	*8MPV075	0.94	0.96	EXX*42J****		1.01	0.95
EHD4X36A**	*8MPV100	0.99	0.95	EP*36F****	*9MPV050	0.93	0.95	EXX*42J****	*8MPV100	1.00	0.89
EHD4X36A**	*8MPV125	0.99	0.95	EP*36F****	*9MPV075	0.93	0.96	EXX*42J****	*8MPV125	1.00	0.88
EHD4X36A**	*9MPV075	0.99	0.98	EP*36F****	MV12F19****	0.94	0.94	EXX*42J****	*9MPV100	1.00	0.91
EHD4X36A**	*9MPV100	0.99	0.95	EP*36J****	*8MPV100	0.94	0.94	EXX*42J****	MV16J22****	1.02	0.89

> Indicates Tested Indoor Model

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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)
EHD4X36A**	*9MPV125	0.99	0.95	EP*36J****	*8MPV125	0.94	0.94	FSU4X36****		0.97	0.94
EHD4X36A**	MV08B15****	0.99	0.95	EP*36J****	*9MPV100	0.94	0.96	FS(M,U)4X42****		0.99	0.95
EHD4X36A**	MV12F19****	0.99	0.95	EP*36J****	MV16J22****	0.93	0.92	FSM4X36****		0.99	0.93
EHD4X36A**	MV16J22****	0.99	0.95	EP*42F****		0.96	0.99	FEM4X36****		1.02	0.90
EHD4X36A**	MV20N26****	0.99	0.95	EP*42F****	*8MPV075	0.97	0.97	FEM4X42****		1.02	0.90
EHD4X42A**		1.00	1.00	EP*42F****	*9MPV050	0.95	0.98	EBP36****		0.96	0.94
EHD4X42A**	*8MPV050	1.01	0.99	EP*42F****	*9MPV075	0.96	0.96	EBP42****		0.97	0.95
EHD4X42A**	*8MPV075	1.01	0.99	EP*42F****	MV12F19****	0.97	0.96	EBX36****		0.97	0.94
EHD4X42A**	*8MPV100	1.01	0.96	EP*42J****		0.97	1.00	EBV36****		1.01	0.93
EHD4X42A**	*8MPV125	1.01	0.93	EP*42J****	*8MPV100	0.96	0.99	EBV48****		1.02	0.94
EHD4X42A**	*9MPV050	1.01	0.99	EP*42J****	*8MPV125	0.96	0.98	FSM2X36****		0.98	0.97

> Indicates Tested Indoor Model

N4A442AKA N4A442GKA		N4A442*KA Outdoor With ED*4X48F Indoor Cooling																				
		Outdoor Ambient Temperature - °F, Dry Bulb																				
		75					85					95					105				115	
		Entering Indoor Temperature - °F, Wet Bulb																				
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	
1225	MBh †	39.17	40.13	44.08	48.70	37.67	38.27	42.00	46.44	36.09	36.36	39.82	44.08	34.41	34.38	37.54	41.60	32.58	32.57	35.08	38.93	
	S/T ‡	1.00	0.93	0.71	0.53	1.00	0.95	0.73	0.53	1.00	0.97	0.74	0.54	1.00	1.00	0.76	0.55	1.00	1.00	0.79	0.57	
	AMPS^	11.34	11.33	11.28	11.18	12.85	12.85	12.82	12.72	14.57	14.57	14.56	14.48	16.56	16.56	16.55	16.46	19.13	19.14	19.11	18.83	
	HI PR	241	239	235	230	288	287	281	274	340	340	333	324	399	399	391	379	468	468	457	437	
	LO PR	128	130	142	154	131	133	144	157	134	135	146	159	138	138	149	162	142	142	151	164	
1400	MBh †	40.83	41.12	44.93	49.64	39.22	39.26	42.75	47.29	37.53	37.52	40.50	44.82	35.73	35.73	38.14	42.24	33.77	33.77	35.59	39.49	
	S/T ‡	1.00	0.97	0.74	0.54	1.00	0.99	0.76	0.55	1.00	1.00	0.78	0.56	1.00	1.00	0.81	0.57	1.00	1.00	0.83	0.59	
	AMPS^	11.57	11.56	11.50	11.40	13.09	13.09	13.04	12.93	14.82	14.82	14.80	14.70	16.81	16.81	16.78	16.67	19.38	19.38	19.33	19.01	
	HI PR	238	238	233	229	285	285	279	272	337	337	331	322	395	395	388	376	462	462	453	433	
	LO PR	133	134	145	158	137	137	147	160	140	140	149	162	144	144	151	165	148	148	154	167	
1575	MBh †	42.21	42.20	45.57	50.34	40.51	40.50	43.33	47.91	38.72	38.71	41.01	45.37	36.82	36.82	38.58	42.71	34.75	34.75	35.99	39.88	
	S/T ‡	1.00	1.00	0.78	0.56	1.00	1.00	0.80	0.57	1.00	1.00	0.82	0.58	1.00	1.00	0.85	0.60	1.00	1.00	0.88	0.61	
	AMPS^	11.79	11.79	11.73	11.63	13.32	13.32	13.27	13.15	15.06	15.06	15.03	14.92	17.04	17.04	17.01	16.88	19.61	19.61	19.49	19.19	
	HI PR	236	236	232	229	282	282	278	271	334	334	330	321	391	391	386	374	456	456	449	430	
	LO PR	138	138	147	160	141	141	150	162	145	145	152	165	148	148	154	167	152	152	156	169	

† 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.
 ^ 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.)

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

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

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)
> ED*4X48F**		1.00	1.00	EHD4X48A**	*8MPV125	1.00	0.96	EP*48L****	*9MPV125	0.95	0.98
ED*4X42J**		0.98	1.00	EHD4X48A**	*9MPV075	0.98	0.98	EP*48N****		0.96	0.99
ED*4X42J**	*8MPV100	0.99	0.91	EHD4X48A**	*9MPV100	0.99	0.95	EP*48N****	MV20N26****	0.98	0.98
ED*4X42J**	*8MPV125	0.98	0.90	EHD4X48A**	*9MPV125	0.99	0.99	EXX*42F****		0.96	0.99
ED*4X42J**	MV16J22****	0.99	0.91	EHD4X48A**	MV16J22****	0.99	0.91	EXX*42F****	*8MPV075	0.98	1.00
ED*4X42L**		0.98	1.00	EHD4X48A**	MV20N26****	0.99	0.95	EXX*42F****	*9MPV075	0.95	0.95
ED*4X42L**	*9MPV125	0.98	0.90	EL*42F****		0.91	0.94	EXX*42J****		0.96	0.99
ED*4X48F**	*8MPV075	1.00	0.92	EL*42F****	*8MPV075	0.94	0.96	EXX*42J****	*8MPV100	0.99	0.99
ED*4X48F**	*9MPV075	0.98	0.90	EL*48F****		0.95	0.98	EXX*42J****	*8MPV125	0.98	0.90
ED*4X48J**		0.99	0.99	EL*48F****	*8MPV075	0.95	0.98	EXX*42J****	*9MPV100	0.98	0.90
ED*4X48J**	*8MPV100	1.00	0.96	EL*48F****	*9MPV075	0.94	0.96	EXX*42J****	MV16J22****	0.99	0.91
ED*4X48J**	*8MPV125	1.00	0.96	EMH42F****		0.91	0.88	EXX*48J****		0.98	0.90
ED*4X48J**	MV16J22****	1.01	0.93	EMH48F****		0.95	0.98	EXX*48J****	*9MPV125	0.99	0.91
ED*4X48L**		0.99	0.99	EP*42F****		0.91	0.94	EXX*48L****		0.98	0.90
ED*4X48L**	*9MPV125	0.98	0.98	EP*42F****	*8MPV075	0.93	0.95	EXX*48L****	*9MPV125	0.99	0.91
EMA4X48D**		0.96	0.96	EP*42F****	*9MPV075	0.91	0.84	EXX*48N****		0.98	0.90
EHD4X42A**		0.98	0.98	EP*42J****		0.93	0.89	EXX*48N****	MV20N26****	0.98	0.93
EHD4X42A**	*8MPV075	1.00	1.00	EP*42J****	*8MPV100	0.91	0.84	FS(M,U)4X42****		0.99	1.01
EHD4X42A**	*8MPV100	0.99	0.91	EP*42J****	*8MPV125	0.93	0.95	FS(M,U)4X48****		1.00	1.00
EHD4X42A**	*8MPV125	0.98	0.90	EP*42J****	MV16J22****	0.93	0.85	FSM4X36****		0.99	1.01
EHD4X42A**	*9MPV075	0.98	0.90	EP*48F****		0.95	0.87	FEM4X42****		1.00	0.98
EHD4X42A**	*9MPV100	0.98	0.90	EP*48F****	*8MPV075	0.95	0.98	FEM4X48****		1.01	0.97
EHD4X42A**	*9MPV125	0.98	0.98	EP*48J****		0.96	0.99	EBP42****		0.96	1.01
EHD4X42A**	MV16J22****	0.99	0.91	EP*48J****	*8MPV100	0.98	0.98	EBP48****		0.99	1.01

> Indicates Tested Indoor Model

- continued on next page -

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)
EHD4X42A**	MV20N26****	0.99	0.95	EP*48J****	*8MPV125	0.98	0.98	EBXX48****		1.00	1.03
EHD4X48A**		1.00	1.00	EP*48J****	*9MPV100	0.96	0.99	EBV48****		1.01	0.97
EHD4X48A**	*8MPV075	1.00	1.00	EP*48J****	MV16J22****	0.98	0.93	EBV60****		1.02	0.94
EHD4X48A**	*8MPV100	1.00	0.96	EP*48I****		0.98	1.00				

> Indicates Tested Indoor Model

N4A448AKA N4A448GKA		N4A448*KA Outdoor With ED*4X60J Indoor Cooling																			
		Outdoor Ambient Temperature - °F, Dry Bulb																			
		75			85			95			105			115							
		Entering Indoor Temperature - °F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1400	MBh †	46.46	47.92	52.37	57.31	44.70	45.73	49.93	54.62	42.81	43.40	47.30	51.74	40.74	40.93	44.47	48.63	38.44	38.44	41.38	45.22
	S/T ‡	1.00	0.91	0.70	0.52	1.00	0.93	0.72	0.53	1.00	0.95	0.73	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.78	0.56
	AMPS^	14.19	14.20	14.23	14.27	15.79	15.80	15.83	15.87	17.56	17.56	17.59	17.63	19.49	19.50	19.53	19.56	21.60	21.60	21.63	21.65
	HI PR	272	273	278	283	314	315	320	325	360	361	366	372	410	410	416	422	464	464	469	475
	LO PR	125	128	140	154	128	131	143	156	131	133	145	158	135	136	147	161	140	140	150	164
1600	MBh †	48.36	48.98	53.31	58.32	46.46	46.73	50.74	55.49	44.42	44.39	48.00	52.48	42.20	42.19	45.06	49.24	39.72	39.72	41.86	45.70
	S/T ‡	1.00	0.95	0.73	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.77	0.56	1.00	1.00	0.79	0.57	1.00	1.00	0.82	0.59
	AMPS^	14.55	14.55	14.59	14.63	16.15	16.15	16.18	16.22	17.92	17.92	17.95	17.99	19.86	19.86	19.88	19.92	21.96	21.96	21.98	22.01
	HI PR	274	275	279	284	316	317	321	327	362	362	367	373	413	413	417	423	467	467	470	477
	LO PR	131	132	144	157	134	135	146	159	137	137	148	162	141	141	150	164	146	146	153	167
1800	MBh †	49.89	49.95	53.99	59.04	47.88	47.87	51.33	56.12	45.71	45.71	48.51	53.00	43.34	43.34	45.48	49.66	40.72	40.72	42.19	46.01
	S/T ‡	1.00	0.99	0.77	0.56	1.00	1.00	0.78	0.57	1.00	1.00	0.81	0.58	1.00	1.00	0.83	0.59	1.00	1.00	0.87	0.61
	AMPS^	14.91	14.91	14.94	14.98	16.51	16.51	16.54	16.58	18.28	18.28	18.30	18.34	20.22	20.22	20.23	20.27	22.32	22.32	22.33	22.36
	HI PR	276	276	280	285	318	318	322	328	365	365	368	374	415	415	418	424	469	469	472	478
	LO PR	136	136	147	160	139	139	148	162	142	142	151	164	146	146	153	167	150	150	156	169

† 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.
 ^ 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.)

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

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

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)
> ED*4X60L**		1.00	1.00	EHD4X60A**	MV20N26****	0.99	0.91	EP*60J***	MV16J22****	0.98	0.98
ED*4X48F**		0.97	0.97	EL*48F****		0.92	0.96	EP*60L****		0.96	1.00
ED*4X48J**	*8MPV100	0.98	0.98	EL*60J****		0.96	1.00	EP*60L****	*9MPV125	0.96	0.98
ED*4X48J**	MV16J22****	0.99	0.95	EL*60J****	*8MPV100	0.97	1.00	EP*60N****		0.96	1.00
ED*4X48L**	*9MPV125	0.98	0.98	EL*60J****	*8MPV125	0.97	1.00	EP*60N****	MV20N26****	0.98	0.98
ED*4X60J**		1.00	1.00	EL*60J****	*9MPV100	0.95	0.97	EXX*48J****		0.96	0.98
ED*4X60J**	*8MPV100			EL*60J****	MV16J22****	0.98	0.98	EXX*48J****	*9MPV125	0.96	0.98
ED*4X60J**	*8MPV125	1.00	0.96	EMH48F****		0.93	0.97	EXX*48L****		0.96	0.98
ED*4X60J**	*9MPV100	1.00	1.00	EP*48F****		0.92	0.96	EXX*48L****	*9MPV125	0.96	0.98
ED*4X60J**	MV16J22****	1.02	0.98	EP*48J****		0.94	0.98	EXX*48N****		0.96	0.98
ED*4X60L**	*9MPV125	1.00	1.00	EP*48J****	*8MPV100	0.95	0.99	EXX*48N****	MV20N26****	0.98	0.98
ED*4X60L**	*9MPV125	1.00	1.00	EP*48J****	*8MPV125	0.95	0.97	EXX*60L****		1.01	1.04
EHD4X48A**		0.97	0.97	EP*48J****	*9MPV100	0.93	0.95	EXX*60N****		1.01	1.04
EHD4X48A**	*8MPV125	0.97	0.97	EP*48J****	MV16J22****	0.96	0.98	EXX*60N****	MV20N26****	1.02	0.98
EHD4X48A**	*9MPV100	0.97	0.97	EP*48L****		0.94	0.98	FS(M,U)4X48****		0.99	1.02
EHD4X48A**	*9MPV125	0.97	0.97	EP*48L****	*9MPV125	0.94	0.98	FS(M,U)4X60****		1.00	1.03
EHD4X48A**	MV16J22****	0.99	0.95	EP*48N****		0.94	0.98	FEM4X48****		1.00	0.96
EHD4X48A**	MV20N26****	0.99	0.95	EP*48N****	MV20N26****	0.96	0.96	FEM4X60****		1.02	0.94
EHD4X60A**		0.99	0.99	EP*60J****		0.96	1.00	EBP48****		0.97	1.01
EHD4X60A**	*8MPV100	0.99	0.99	EP*60J****	*8MPV100	0.97	1.00	EBP60****		0.99	1.03
EHD4X60A**	*8MPV125	0.99	0.95	EP*60J****	*8MPV125	0.97	1.00	EBV48****		1.00	0.96
EHD4X60A**	*9MPV125	0.99	0.99	EP*60J****	*9MPV100	0.95	0.97	EBV60****		1.01	0.93
EHD4X60A**	MV16J22****	0.99	0.91								

> Indicates Tested Indoor Model

N4A460AKA N4A460GKA		N4A460*KA Outdoor With ED*4X60L Indoor Cooling																			
		Outdoor Ambient Temperature - °F, Dry Bulb																			
		75			85			95			105			115							
		Entering Indoor Temperature - °F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1750	MBh †	56.68	58.30	63.78	69.92	54.55	55.64	60.79	66.63	52.27	52.86	57.63	63.15	49.83	49.97	54.29	59.48	47.15	47.15	50.69	55.49
	S/T ‡	1.00	0.92	0.71	0.53	1.00	0.94	0.72	0.53	1.00	0.96	0.74	0.54	1.00	0.99	0.76	0.55	1.00	1.00	0.78	0.56
	AMPS^	16.78	16.83	17.03	17.25	18.57	18.61	18.80	19.03	20.56	20.58	20.77	20.99	22.74	22.75	22.93	23.15	25.13	25.14	25.29	25.50
	HI PR	271	272	276	280	315	315	320	324	362	362	367	372	413	413	418	424	469	469	473	479
	LO PR	125	129	140	153	128	131	142	155	132	133	145	158	136	136	147	160	140	140	150	163
2000	MBh †	58.97	59.62	64.94	71.15	56.66	56.90	61.80	67.71	54.21	54.19	58.50	64.08	51.58	51.58	55.03	60.25	48.71	48.70	51.29	56.10
	S/T ‡	1.00	0.96	0.74	0.54	1.00	0.98	0.75	0.55	1.00	1.00	0.77	0.56	1.00	1.00	0.80	0.57	1.00	1.00	0.83	0.59
	AMPS^	17.26	17.28	17.47	17.70	19.06	19.06	19.25	19.48	21.04	21.04	21.21	21.44	23.22	23.22	23.37	23.59	25.61	25.61	25.72	25.93
	HI PR	273	274	277	281	317	317	321	326	364	364	368	373	416	416	419	425	471	471	475	480
	LO PR	131	132	143	157	134	135	146	159	137	137	148	161	141	141	150	164	145	145	153	166
2250	MBh †	60.85	60.80	65.78	72.06	58.40	58.40	62.54	68.49	55.80	55.79	59.14	64.73	53.00	53.00	55.56	60.78	49.95	49.94	51.73	56.51
	S/T ‡	1.00	1.00	0.77	0.56	1.00	1.00	0.79	0.57	1.00	1.00	0.81	0.58	1.00	1.00	0.84	0.59	1.00	1.00	0.87	0.61
	AMPS^	17.73	17.73	17.91	18.14	19.53	19.53	19.68	19.91	21.51	21.51	21.64	21.87	23.69	23.69	23.80	24.02	26.07	26.07	26.15	26.36
	HI PR	275	275	278	282	318	318	322	326	366	366	369	374	418	418	420	426	473	473	476	481
	LO PR	136	136	146	159	139	139	148	161	142	142	150	164	146	146	153	166	150	150	155	168

† 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.

^ 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.)

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

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

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)
> ED*4X60L**		1.00	1.00	EHD4X60A**	MV20N26****	0.98	0.98	EP*60N****		0.94	0.97
ED*4X60J**		0.99	0.99	EL*60J****		0.93	0.96	EP*60N****	MV20N26****	0.96	1.00
ED*4X60J**	*8MPV100	0.97	0.97	EL*60J****	*8MPV100	0.93	0.96	EXX*60L****		0.98	0.98
ED*4X60J**	*8MPV125	0.98	0.98	EL*60J****	*8MPV125	0.94	0.97	EXX*60L****	*9MPV125	0.97	0.96
ED*4X60J**	*9MPV100	0.97	0.97	EL*60J****	*9MPV100	0.91	0.93	EXX*60N****		0.98	0.98
ED*4X60J**	MV16J22****	1.00	0.98	EL*60J****	MV16J22****	0.95	0.97	EXX*60N****	MV20N26****	1.00	0.98
ED*4X60L**	*9MPV125	0.97	0.97	EP*60J****		0.93	0.96	FS(M,U)4X60****		1.00	1.03
EHD4X60A**		0.98	0.98	EP*60J****	*8MPV100	0.93	0.96	FEM4X60****		1.01	0.99
EHD4X60A**	*8MPV100	0.97	0.97	EP*60J****	*8MPV125	0.94	0.97	EBP60****		0.98	1.03
EHD4X60A**	*8MPV125	0.97	0.97	EP*60J****	MV16J22****	0.95	0.97	EBX*60****		1.00	1.03
EHD4X60A**	*9MPV100	0.95	0.95	EP*60L****		0.93	0.96	EBV60****		0.99	0.97
EHD4X60A**	*9MPV125	0.95	0.95	EP*60L****	*9MPV125	0.93	0.96				

> Indicates Tested Indoor Model

Data for Condenser Only (Cooling)									
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F							
		55	65	75	85	95	105	115	125
N4A418AKA, N4A418GKA									
30	TCG	16.80	15.70	14.70	13.80	12.80	11.80	10.80	9.70
	SDT	66.70	76.10	85.40	94.80	104.30	113.70	123.20	132.70
	KW	0.78	0.90	1.03	1.18	1.34	1.53	1.72	1.94
35	TCG	18.60	17.40	16.40	15.30	14.20	13.20	12.00	10.90
	SDT	67.90	77.10	86.40	95.80	105.10	114.50	124.00	133.40
	KW	0.77	0.89	1.02	1.17	1.34	1.52	1.72	1.94
40	TCG	20.50	19.30	18.10	16.90	15.80	14.60	13.40	12.10
	SDT	69.10	78.30	87.50	96.80	106.10	115.40	124.80	134.10
	KW	0.76	0.88	1.01	1.16	1.33	1.51	1.72	1.94
45	TCG	22.60	21.30	20.00	18.70	17.40	16.10	14.80	13.40
	SDT	70.40	79.50	88.60	97.80	107.00	116.30	125.60	134.90
	KW	0.74	0.86	1.00	1.15	1.32	1.50	1.71	1.94
50	TCG	24.80	23.40	22.00	20.60	19.20	17.80	16.30	14.80
	SDT	71.80	80.70	89.80	98.90	108.00	117.20	126.40	135.60
	KW	0.73	0.85	0.99	1.14	1.31	1.49	1.70	1.93
55	TCG	27.20	25.60	24.10	22.50	21.00	19.40	17.90	33.70
	SDT	73.20	82.10	91.00	100.10	109.10	118.20	127.30	130.60
	KW	0.72	0.84	0.98	1.13	1.30	1.48	1.69	1.77
N4A424AKA, N4A424GKA									
30	TCG	21.70	20.60	19.40	18.20	16.90	15.60	14.30	12.80
	SDT	66.60	76.10	85.60	95.10	104.60	114.20	123.70	133.30
	KW	0.99	1.14	1.32	1.51	1.72	1.95	2.20	2.47
35	TCG	24.00	22.70	21.40	20.10	18.80	17.40	15.90	14.40
	SDT	67.70	77.10	86.50	96.00	105.50	115.00	124.50	134.00
	KW	0.98	1.14	1.31	1.50	1.71	1.95	2.20	2.48
40	TCG	26.40	25.00	23.60	22.20	20.80	19.30	17.70	16.00
	SDT	68.80	78.20	87.50	96.90	106.40	115.80	125.30	134.70
	KW	0.98	1.13	1.30	1.50	1.71	1.94	2.20	2.48
45	TCG	28.90	27.50	26.00	24.50	22.90	21.30	19.60	17.80
	SDT	70.00	79.30	88.60	97.90	107.30	116.60	126.10	135.50
	KW	0.97	1.13	1.30	1.49	1.70	1.94	2.20	2.48
50	TCG	31.70	30.10	28.50	26.90	25.20	23.50	21.60	19.70
	SDT	71.30	80.50	89.70	99.00	108.30	117.60	126.90	136.20
	KW	0.97	1.12	1.29	1.49	1.70	1.93	2.19	2.48
55	TCG	34.70	33.00	31.20	29.50	27.70	25.80	23.80	21.70
	SDT	72.60	81.70	90.90	100.10	109.30	118.50	127.80	137.00
	KW	0.97	1.12	1.29	1.48	1.69	1.93	2.19	2.47

TCG = Gross Cooling Capacity (x 1000 BTU/hr)

SDT = Saturated Temperature Leaving Compressor

kW = Outdoor Unit Kilowatts

Data for Condenser Only (Cooling)									
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F							
		55	65	75	85	95	105	115	125
N4A430AKA, N4A430GKA									
30	TCG	26.30	25.00	23.60	22.10	20.60	19.10	17.50	15.70
	SDT	67.40	76.70	86.10	95.50	104.90	114.30	123.70	133.10
	KW	1.30	1.47	1.66	1.87	2.10	2.35	2.62	2.91
35	TCG	29.00	27.50	26.00	24.50	22.90	21.20	19.50	17.60
	SDT	68.50	77.80	87.10	96.40	105.80	115.10	124.50	133.80
	KW	1.30	1.47	1.66	1.87	2.10	2.35	2.63	2.93
40	TCG	31.90	30.30	28.70	27.00	25.30	23.50	21.60	19.60
	SDT	69.70	78.90	88.20	97.40	106.70	116.00	125.30	134.60
	KW	1.30	1.47	1.66	1.87	2.10	2.36	2.64	2.94
45	TCG	35.00	33.20	31.50	29.70	27.80	25.90	23.80	21.70
	SDT	71.00	80.10	89.30	98.50	107.70	116.90	126.10	135.30
	KW	1.31	1.47	1.66	1.87	2.10	2.36	2.64	2.94
50	TCG	38.30	36.40	34.50	32.60	30.50	28.40	26.20	23.90
	SDT	72.40	81.40	90.50	99.60	108.70	117.80	127.00	136.10
	KW	1.31	1.48	1.66	1.87	2.11	2.36	2.65	2.95
55	TCG	41.80	39.80	37.70	35.60	33.40	31.10	28.70	26.20
	SDT	73.80	82.80	91.70	100.80	109.80	118.80	127.90	136.90
	KW	1.31	1.48	1.67	1.88	2.11	2.37	2.65	2.95
N4A436AKA, N4A436GKA									
30	TCG	33.70	31.90	30.00	28.00	26.00	23.90	21.70	19.40
	SDT	72.00	81.70	91.30	101.00	110.70	120.50	130.40	140.60
	KW	1.50	1.71	1.94	2.20	2.48	2.79	3.11	3.46
35	TCG	37.10	35.20	33.10	31.10	28.90	26.70	24.30	21.80
	SDT	73.40	83.00	92.60	102.20	111.90	121.70	131.60	141.70
	KW	1.51	1.72	1.96	2.22	2.50	2.81	3.15	3.52
40	TCG	40.90	38.70	36.60	34.30	32.00	29.60	27.10	24.40
	SDT	74.60	84.30	93.90	103.50	113.10	122.90	132.70	142.80
	KW	1.52	1.74	1.97	2.23	2.52	2.84	3.19	3.56
45	TCG	44.80	42.50	40.20	37.80	35.40	32.80	30.10	27.20
	SDT	76.00	85.70	95.30	104.80	114.40	124.00	133.80	143.80
	KW	1.53	1.75	1.99	2.25	2.54	2.86	3.22	3.60
50	TCG	49.10	46.70	44.20	41.60	39.00	36.20	33.30	30.20
	SDT	77.30	87.00	96.70	106.10	115.60	125.20	134.90	144.80
	KW	1.54	1.76	2.00	2.27	2.56	2.88	3.24	3.63
55	TCG	53.70	51.10	48.40	45.60	42.80	39.80	36.70	33.40
	SDT	78.60	88.40	98.00	107.50	116.90	126.50	136.00	145.70
	KW	1.55	1.77	2.02	2.28	2.58	2.90	3.26	3.66

TCG = Gross Cooling Capacity (x 1000 BTU/hr)
 SDT = Saturated Temperature Leaving Compressor
 kW = Outdoor Unit Kilowatts

Data for Condenser Only (Cooling)									
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F							
		55	65	75	85	95	105	115	125
N4A442AKA, N4A442GKA									
30	TCG	37.70	35.60	33.50	31.40	29.20	27.00	24.70	22.40
	SDT	76.00	86.50	97.00	107.30	117.80	128.70	140.20	152.50
	KW	1.64	1.88	2.16	2.46	2.81	3.21	3.67	4.22
35	TCG	41.60	39.30	37.00	34.70	32.40	29.90	27.50	25.00
	SDT	77.00	87.70	98.40	108.80	119.20	130.10	141.50	154.00
	KW	1.64	1.89	2.17	2.48	2.83	3.24	3.71	4.28
40	TCG	45.90	43.40	40.90	38.30	35.80	33.20	30.50	27.70
	SDT	77.50	88.80	99.60	110.20	120.70	131.50	142.90	155.60
	KW	1.63	1.89	2.18	2.50	2.86	3.26	3.74	4.33
45	TCG	50.50	47.70	45.00	42.20	39.50	36.60	33.70	30.60
	SDT	77.80	89.50	100.60	111.50	122.00	132.80	144.20	157.40
	KW	1.61	1.89	2.19	2.52	2.88	3.29	3.77	4.39
50	TCG	55.40	52.50	49.50	46.50	43.50	40.40	37.20	33.70
	SDT	78.20	89.70	101.40	112.50	123.30	134.00	145.30	158.90
	KW	1.60	1.87	2.18	2.52	2.90	3.31	3.79	4.44
55	TCG	60.30	57.50	54.30	51.10	47.80	44.50	41.00	37.30
	SDT	83.50	90.00	101.50	113.00	124.20	135.00	146.20	159.20
	KW	1.70	1.85	2.16	2.51	2.90	3.32	3.80	4.42
N4A448AKA, N4A448GKA									
30	TCG	45.60	43.20	40.70	38.20	35.70	32.90	30.10	27.10
	SDT	70.10	79.20	88.50	97.70	107.00	116.30	125.50	134.70
	KW	2.12	2.41	2.74	3.11	3.51	3.95	4.42	4.93
35	TCG	50.10	47.50	44.90	42.20	39.30	36.40	33.30	30.00
	SDT	71.50	80.60	89.70	98.90	108.10	117.30	126.50	135.60
	KW	2.13	2.42	2.75	3.11	3.52	3.96	4.44	4.95
40	TCG	55.00	52.10	49.30	46.30	43.20	40.00	36.60	33.00
	SDT	73.00	82.00	91.10	100.20	109.30	118.40	127.50	136.50
	KW	2.14	2.43	2.76	3.12	3.53	3.97	4.45	4.97
45	TCG	60.10	57.00	53.90	50.70	47.30	43.80	40.10	36.20
	SDT	74.60	83.50	92.50	101.50	110.50	119.50	128.50	137.40
	KW	2.15	2.44	2.77	3.13	3.54	3.98	4.46	4.98
50	TCG	65.60	62.20	58.80	55.20	51.60	47.70	43.70	39.40
	SDT	76.20	85.10	93.90	102.90	111.80	120.70	129.60	138.30
	KW	2.16	2.45	2.78	3.14	3.55	3.99	4.47	4.99
55	TCG	71.30	67.70	63.90	60.00	56.00	51.80	47.40	42.70
	SDT	78.00	86.70	95.50	104.30	113.10	121.90	130.70	139.30
	KW	2.18	2.47	2.79	3.16	3.56	4.00	4.48	5.00

TCG = Gross Cooling Capacity (x 1000 BTU/hr)

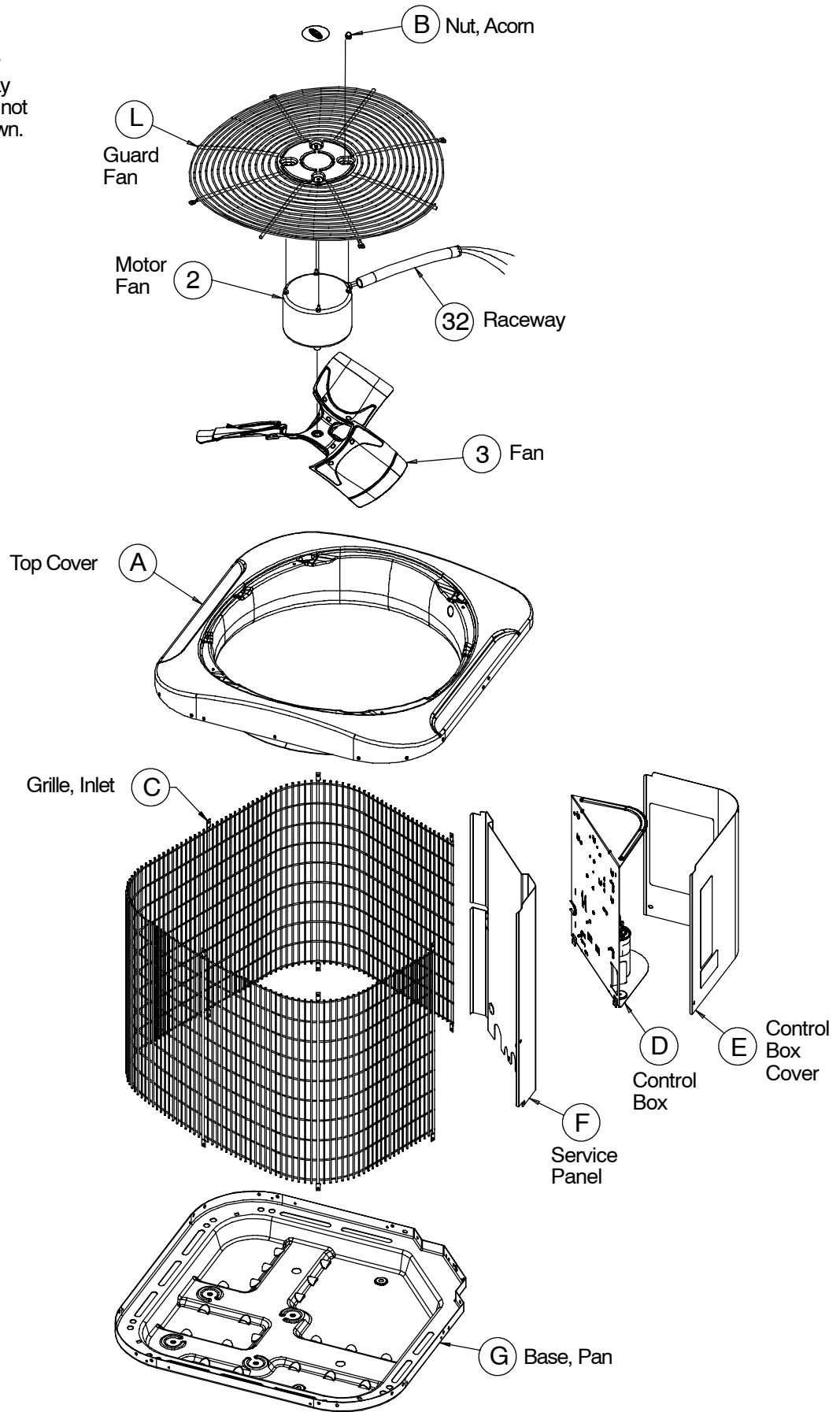
SDT = Saturated Temperature Leaving Compressor

kW = Outdoor Unit Kilowatts

Data for Condenser Only (Cooling)									
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F							
		55	65	75	85	95	105	115	125
N4A460AKA, N4A460GKA									
30	TCG	54.70	51.70	48.70	45.70	42.60	39.50	36.20	32.70
	SDT	72.50	81.40	90.40	99.40	108.50	117.60	126.70	135.80
	KW	2.46	2.78	3.14	3.53	3.97	4.46	4.99	5.57
35	TCG	60.20	57.00	53.80	50.50	47.10	43.60	40.00	36.10
	SDT	74.20	83.00	91.90	100.80	109.80	118.80	127.80	136.80
	KW	2.50	2.82	3.18	3.57	4.01	4.50	5.03	5.61
40	TCG	66.20	62.70	59.10	55.50	51.80	48.00	44.00	39.70
	SDT	76.00	84.70	93.40	102.30	111.20	120.10	128.90	137.80
	KW	2.55	2.86	3.22	3.62	4.06	4.54	5.07	5.65
45	TCG	72.60	68.70	64.90	60.90	56.80	52.60	48.20	43.40
	SDT	77.90	86.50	95.10	103.80	112.60	121.40	130.10	138.80
	KW	2.59	2.91	3.27	3.66	4.10	4.59	5.11	5.68
50	TCG	79.40	75.20	70.90	66.60	62.10	57.40	52.60	47.30
	SDT	79.90	88.30	96.90	105.50	114.10	122.80	131.40	139.90
	KW	2.65	2.96	3.32	3.72	4.15	4.63	5.16	5.73
55	TCG	86.60	82.00	77.30	72.50	67.60	62.50	57.20	51.40
	SDT	82.10	90.40	98.70	107.20	115.70	124.20	132.70	141.10
	KW	2.71	3.02	3.38	3.77	4.21	4.69	5.21	5.77

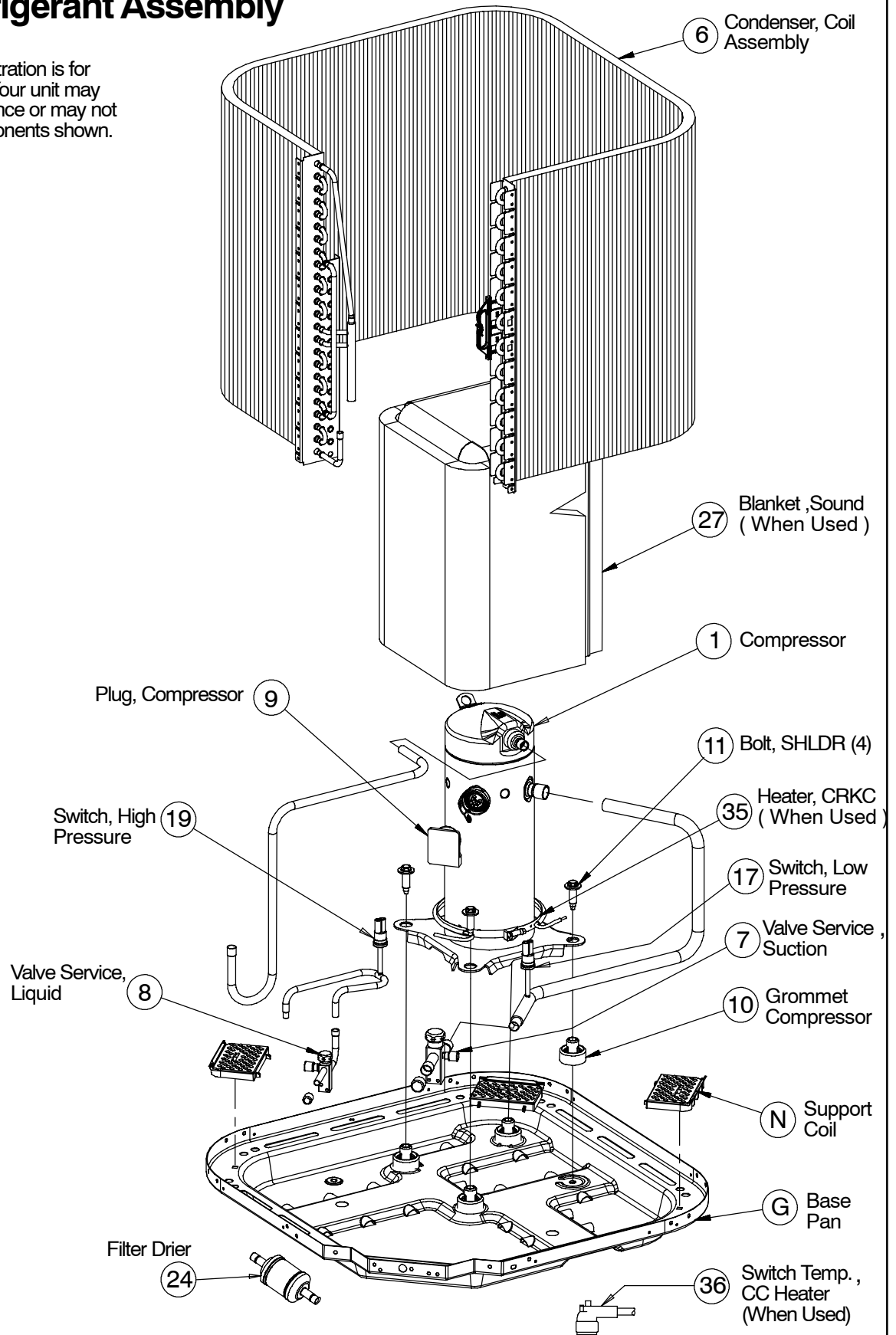
TCG = Gross Cooling Capacity (x 1000 BTU/hr)
 SDT = Saturated Temperature Leaving Compressor
 kW = Outdoor Unit Kilowatts

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.

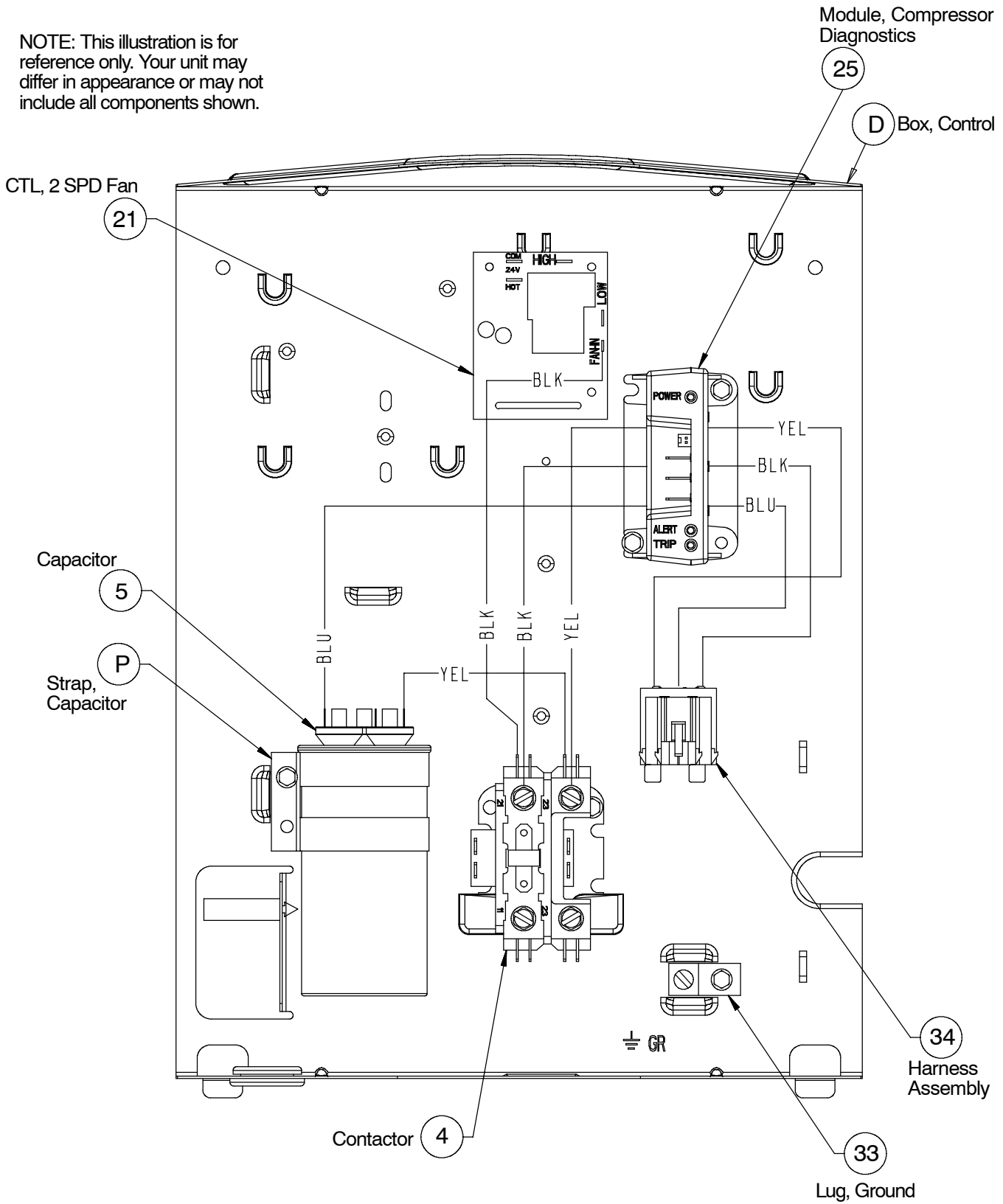


A/C Refrigerant Assembly

NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.



KEY NO.	DESCRIPTION	PART NUMBER	N4A418AKA100	N4A418GKA100	N4A424AKA100	N4A424GKA100	N4A430AKA100	N4A430GKA100	N4A436AKA100	N4A436GKA100	N4A442AKA100	N4A442GKA100	N4A448AKA100	N4A448GKA100	N4A460AKA100	N4A460GKA100
1	Compressor	ZP16K5EPFV130	1	1	-	-	-	-	-	-	-	-	-	-	-	-
1		ZP20K5EPFV130	-	-	1	1	-	-	-	-	-	-	-	-	-	-
1		ZP25K5EPFV130	-	-	-	-	1	1	-	-	-	-	-	-	-	-
1		ZP31K5EPFV130	-	-	-	-	-	-	1	1	-	-	-	-	-	-
1		ZP34K5EPFV130	-	-	-	-	-	-	-	-	1	1	-	-	-	-
1		ZP42K5EPFV130	-	-	-	-	-	-	-	-	-	-	1	1	-	-
1		ZP51K5EPFV130	-	-	-	-	-	-	-	-	-	-	-	-	1	1
2	Motor, Condenser Fan	1173716	1	1	-	-	-	-	-	-	-	-	-	-	-	-
2		1173646	-	-	1	1	-	-	-	-	-	-	-	-	-	-
2		1172775	-	-	-	-	1	1	-	-	-	-	-	-	-	-
2		1173660	-	-	-	-	-	-	1	1	1	1	1	1	-	-
2		1173665	-	-	-	-	-	-	-	-	-	-	-	-	1	1
3	Fan Blade	1173721	1	1	-	-	-	-	-	-	-	-	-	-	-	-
3		1173874	-	-	1	1	-	-	-	-	-	-	-	-	-	-
3		1172713	-	-	-	-	1	1	-	-	-	-	-	-	-	-
3		1173661	-	-	-	-	-	-	1	1	1	1	1	1	-	-
3		1172716	-	-	-	-	-	-	-	-	-	-	-	-	1	1
4	Contactor, 30 Amp	1172472	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	40 Amp	1172786	-	-	-	-	-	-	-	-	-	-	-	-	1	1
5	Capacitor, 370V 30+5 Mfd	1172109	1	1	-	-	-	-	-	-	-	-	-	-	-	-
5	370V 35+5 Mfd	1172110	-	-	1	1	-	-	-	-	-	-	-	-	-	-
5	370V 40+5 Mfd	1172147	-	-	-	-	1	1	-	-	-	-	-	-	-	-
5	370V 45+5 Mfd	1172124	-	-	-	-	-	-	1	1	1	1	-	-	-	-
5	370V 70+5 Mfd	1172163	-	-	-	-	-	-	-	-	-	-	1	1	-	-
5	370V 70+7.5 Mfd	1172295	-	-	-	-	-	-	-	-	-	-	-	-	1	1
6	Condenser Coil	1174208	1	1	-	-	-	-	-	-	-	-	-	-	-	-
6		1174209	-	-	1	1	1	1	-	-	-	-	-	-	-	-
6		1174210	-	-	-	-	-	-	1	1	-	-	-	-	-	-
6		1174211	-	-	-	-	-	-	-	-	1	1	-	-	-	-
6		1174212	-	-	-	-	-	-	-	-	-	-	1	1	-	-
6		1174213	-	-	-	-	-	-	-	-	-	-	-	-	1	1
7	Service Valve, Suction	1172725	1	1	1	1	-	-	-	-	-	-	-	-	-	-
7		1172726	-	-	-	-	1	1	1	1	-	-	-	-	-	-
7		1172727	-	-	-	-	-	-	-	-	1	1	1	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	Plug, Compressor Harness	1172731	1	1	1	1	1	1	1	1	-	-	-	-	-	-
9		1172793	-	-	-	-	-	-	-	-	1	1	-	-	-	-
9		1172730	-	-	-	-	-	-	-	-	-	-	1	1	-	-
9		1172732	-	-	-	-	-	-	-	-	-	-	-	-	1	1
10	Grommet, Compressor	1171270	4	4	4	4	4	4	4	4	4	4	4	4	4	4
11	Bolt, Compressor Mounting	1173630	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20	Distributor	1173998	-	-	-	-	-	-	-	-	-	-	-	-	1	1
24	Drier	1174195	1	1	1	1	1	1	1	1	1	1	1	1	-	-
24		1174196	-	-	-	-	-	-	-	-	-	-	-	-	1	1
32	Raceway	1173651	1	1	1	1	1	1	-	-	-	-	-	-	-	-
32		1173664	-	-	-	-	-	-	1	1	1	1	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1	1	1	1	1	1	1	1	1	1	1
)	Harness, Wire Asy.	1172736	1	1	1	1	1	1	1	1	1	1	1	1	1	1

KEY NO.	DESCRIPTION	PART NUMBER	N4A418AKA100	N4A418GKA100	N4A424AKA100	N4A424GKA100	N4A430AKA100	N4A430GKA100	N4A436AKA100	N4A436GKA100	N4A442AKA100	N4A442GKA100	N4A448AKA100	N4A448GKA100	N4A460AKA100	N4A460GKA100
A	Panel, Top	1174075	1	1	1	1	1	1	-	-	-	-	-	-	-	-
A		1174079	-	-	-	-	-	-	1	1	1	1	1	1	1	1
B	Nut, Hex	1172740	4	4	4	4	4	4	4	4	4	4	4	4	4	4
C	Grille, Inlet	1174197	1	-	-	-	-	-	-	-	-	-	-	-	-	-
C		1174199	-	1	-	-	-	-	-	-	-	-	-	-	-	-
C		1174198	-	-	1	-	1	-	-	-	-	-	-	-	-	-
C		1174200	-	-	-	1	-	1	-	-	-	-	-	-	-	-
C		1173674	-	-	-	-	-	-	1	-	-	-	-	-	-	-
C		1173675	-	-	-	-	-	-	-	1	-	-	-	-	-	-
C		1174084	-	-	-	-	-	-	-	-	1	-	-	-	-	-
C		1174088	-	-	-	-	-	-	-	-	-	1	-	-	-	-
C		1172798	-	-	-	-	-	-	-	-	-	-	1	-	-	-
C		1172802	-	-	-	-	-	-	-	-	-	-	-	1	-	-
C		1174084	-	-	-	-	-	-	-	-	-	-	-	-	1	-
C		1174088	-	-	-	-	-	-	-	-	-	-	-	-	-	1
D	Box, Control	1172753	1	1	1	1	1	1	1	1	1	1	1	1	1	1
E	Cover, Control Box	1174065	1	1	1	1	1	1	1	1	1	1	1	1	1	1
F	Panel, Service	1174080	1	1	-	-	-	-	1	1	-	-	-	-	-	-
F		1174214	-	-	1	1	1	1	-	-	-	-	-	-	-	-
F		1174071	-	-	-	-	-	-	-	-	-	-	1	1	-	-
F		1174085	-	-	-	-	-	-	-	-	1	1	-	-	1	1
G	Pan, Base	1174076	1	1	1	1	1	1	-	-	-	-	-	-	-	-
G		1174081	-	-	-	-	-	-	1	1	1	1	1	1	1	1
L	Guard, Fan	1172764	1	1	1	1	1	1	-	-	-	-	-	-	-	-
L		1172765	-	-	-	-	-	-	1	1	1	1	1	1	1	1
N	Support, Coil	1174068	5	5	5	5	5	5	5	5	5	5	5	5	5	5
P	Strap, Capacitor	1172734	1	1	1	1	1	1	1	1	1	1	-	-	-	-
P		1172735	-	-	-	-	-	-	-	-	-	-	1	1	1	1
)	Manual, Installation	42101510000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
)	Manual, Owners	42102500000	1	1	1	1	1	1	1	1	1	1	1	1	1	1
)	Warranty	40106401000	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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	A	4	18	G	K	A	1	0	0
<p>N = Non-Branded H = Heil H = Arcoaire H = Airquest H = ICP Commercial H = Kenmore C = Comfortmaker C = Keeprite C = Kenmore T = Tempstar T = Kenmore</p> <p style="text-align: right;">BRANDING</p>											
<p>2 = R-22 4 = R-410A</p> <p style="text-align: right;">REFRIGERANT</p>											
<p>A = Air Conditioner H = Heat Pump</p> <p style="text-align: right;">TYPE</p>											
<p>3 = 13 SEER 6 = 16 SEER 4 = 14 SEER 7 = 17 SEER 5 = 15 SEER 8 = 18 SEER</p> <p style="text-align: right;">NOMINAL EFFICIENCY</p>											
<p>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</p> <p style="text-align: right;">NOMINAL CAPACITY</p>											
<p>A = Standard Grille G = Coil Guard Grille</p> <p style="text-align: right;">FEATURES</p>											
<p>K = 208/230-1-60</p> <p style="text-align: right;">VOLTAGE</p>											
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE							
Digit Position:	1	2	3	4	5	6, 7	8, 9
Example Part Number:	N	A	S	A	0	01	CH
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							
AC = Anti-Cycle Timer	LA = Low Ambient	SC = Start Component	TD = Time Delay				
CH = Crankcase Heater	LS = Liq. Line Solenoid	SF = Support Feet	WS = Winter Start Control				
FS = Freeze Stat	PS = Pressure Switch	SJ = Sound Jacket		TYPE OF KIT			