

TECHNICAL SUPPORT MANUAL

Split System Air Conditioner

(H,C,T)4A4

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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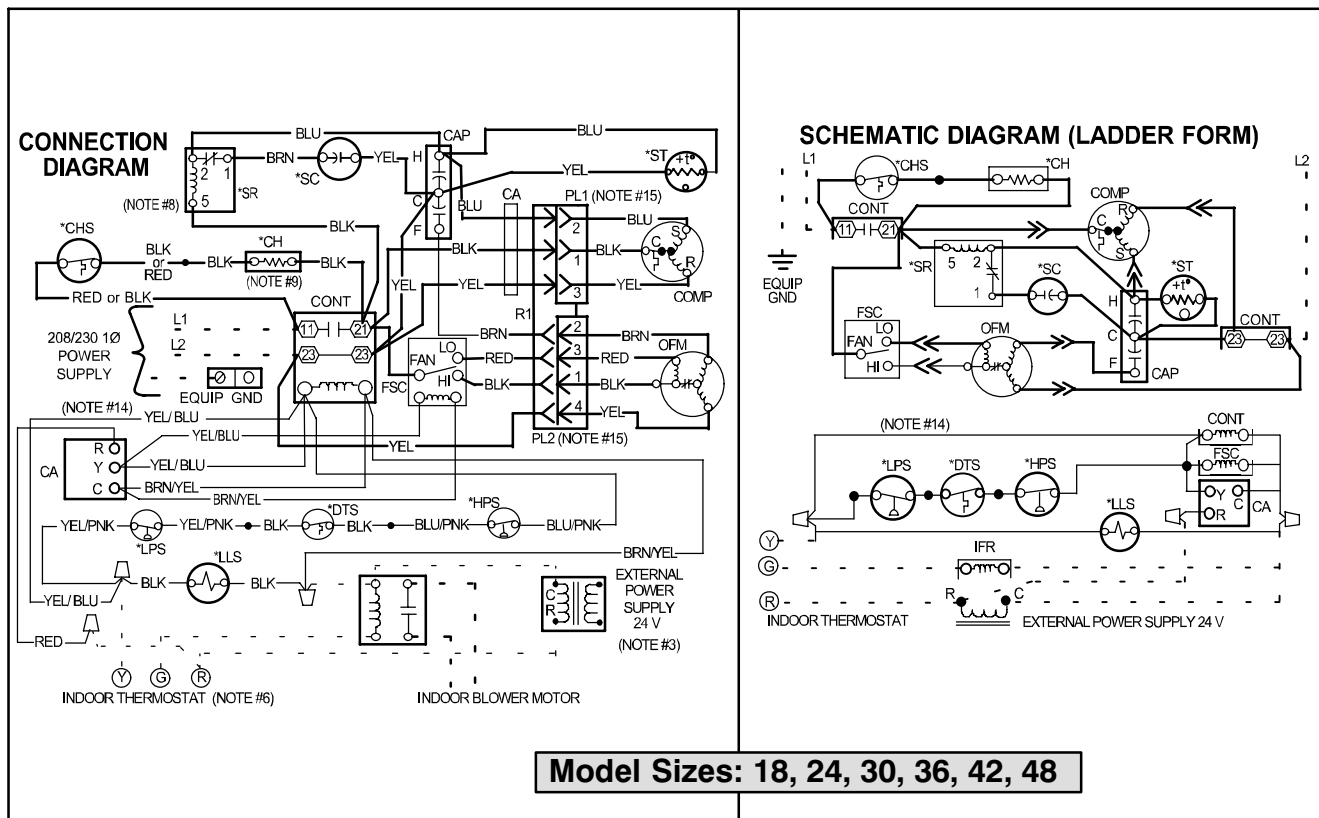
DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD

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.



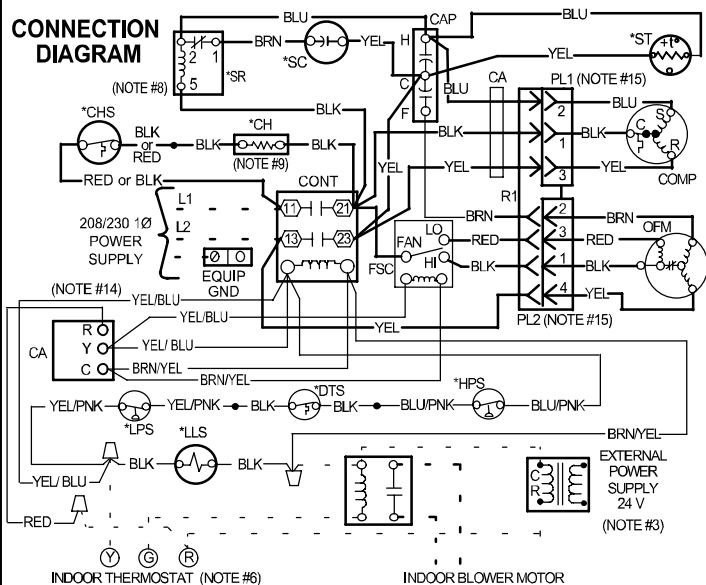
-LEGEND-

	FACTORY POWER WIRING
	FACTORY CONTROL WIRING
	FIELD CONTROL WIRING
	FIELD POWER WIRING
	CONDUCTOR ON CIRCUIT BOARD
	COMPONENT CONNECTION
	FIELD SPLICE
	JUNCTION
	PLUG RECEPTACLE
CA	COMFORT ALERT
CAP	CAPACITOR (DUAL RUN)
CB	CIRCUIT BOARD
*CH	CRANKCASE HEATER
*CHS	CRANKCASE HEATER SWITCH
COMP	COMPRESSOR
CONT	CONTACTOR
DFT	DEFROST THERMOSTAT
DR	DEFROST RELAY AND CIRCUITRY
*DTS	DISCHARGE TEMP SWITCH
FSC	FAN SPEED CONTROL
*HPS	HIGH PRESSURE SWITCH
*LLS	LIQ LINE SOLENOID VALVE
*LPS	LOW PRESSURE SWITCH
OFM	OUTDOOR FAN MOTOR
PL1	COMPRESSOR PLUG
PL2	OUTDOOR FAN PLUG
R1	RECEPTACLE
RVS	REVERSING VALVE SOLENOID
*SC	START CAPACITOR
*SR	START RELAY
*ST	START THERMISTOR

* MAY BE FACTORY INSTALLED

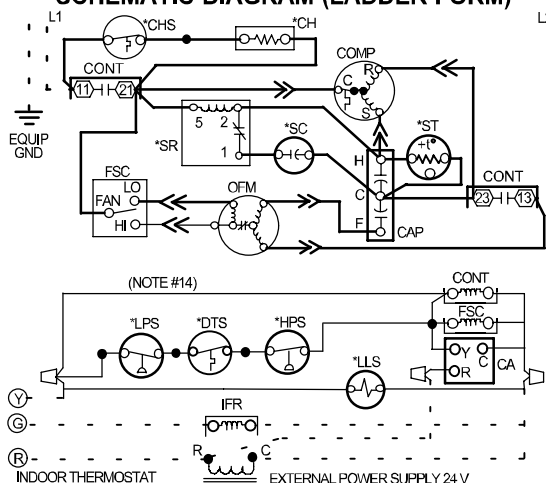
1. Symbols are electrical representation only.
2. Compressor and fan motor furnished with inherent thermal protection.
3. To be wired in accordance with National Electric N.E.C. and local codes.
4. N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
5. Use copper conductors 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 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.
15. Not for interrupting current.

CONNECTION DIAGRAM



Model Size: 60

SCHEMATIC DIAGRAM (LADDER FORM)



-LEGEND-

- FACTORY POWER WIRING
 - FACTORY CONTROL WIRING
 - - - FIELD CONTROL WIRING
 - - - FIELD POWER WIRING
 - CONDUCTOR ON CIRCUIT BOARD
 - COMPONENT CONNECTION
 - FIELD SPICE
 - JUNCTION
 - PLUG RECEPTACLE
- | | |
|------|-----------------------------|
| CA | COMFORT ALERT |
| CAP | CAPACITOR (DUAL RUN) |
| CB | CIRCUIT BOARD |
| *CH | CRANKCASE HEATER |
| *CHS | CRANKCASE HEATER SWITCH |
| COMP | COMPRESSOR |
| CONT | CONTACTOR |
| DFT | DEFROST THERMOSTAT |
| DR | DEFROST RELAY AND CIRCUITRY |
| *DTS | DISCHARGE TEMP SWITCH |
| FSC | FAN SPEED CONTROL |
| *HPS | HIGH PRESSURE SWITCH |
| *LLS | LIQ LINE SOLENOID VALVE |
| *LPS | LOW PRESSURE SWITCH |
| OFM | OUTDOOR FAN MOTOR |
| PL1 | COMPRESSOR PLUG |
| PL2 | OUTDOOR FAN PLUG |
| R1 | RECEPTACLE |
| RVS | REVERSING VALVE SOLENOID |
| *SC | START CAPICATOR |
| *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 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.
15. Not for interrupting current.

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

COOLING		18 Size With ED*4X24* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees 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†	21.38	19.54	17.84	17.17	20.41	18.64	17.01	16.51	19.38	17.68	16.14	15.82	18.30	16.67	15.22	15.08	17.15	15.60	14.28	14.29
	S/T‡	0.52	0.69	0.90	1.00	0.53	0.71	0.92	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.97	1.00	0.55	0.76	1.00	1.00
	AMPS*	5.25	5.27	5.29	5.30	5.87	5.90	5.91	5.92	6.57	6.59	6.60	6.61	7.33	7.35	7.36	7.36	8.16	8.18	8.19	8.19
	HI PR	264	261	258	257	305	302	299	298	350	347	343	342	400	396	392	392	453	449	446	446
	LO PR	154	141	129	124	157	143	131	128	159	146	134	131	162	148	136	135	164	151	139	139
600	MBh†	21.79	19.93	18.27	17.94	20.78	18.99	17.42	17.24	19.70	18.00	16.54	16.50	18.57	16.95	15.71	15.71	17.38	15.84	14.86	14.86
	S/T‡	0.54	0.72	0.94	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*	5.36	5.38	5.40	5.40	5.99	6.01	6.03	6.03	6.68	6.70	6.72	6.72	7.44	7.46	7.47	7.47	8.28	8.29	8.30	8.30
	HI PR	265	262	259	258	306	303	300	299	351	348	344	344	401	397	394	394	454	450	448	448
	LO PR	158	145	133	131	160	147	135	134	163	149	138	137	165	151	141	141	168	154	145	145
675	MBh†	22.08	20.23	18.65	18.59	21.04	19.26	17.85	17.85	19.93	18.23	17.06	17.06	18.76	17.15	16.22	16.22	17.54	16.02	15.32	15.32
	S/T‡	0.55	0.76	0.99	1.00	0.56	0.77	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*	5.47	5.49	5.51	5.51	6.10	6.12	6.14	6.14	6.79	6.81	6.83	6.83	7.56	7.58	7.58	7.58	8.39	8.41	8.41	8.41
	HI PR	266	262	260	260	307	303	301	301	352	348	346	346	401	397	395	395	455	451	449	449
	LO PR	161	148	137	136	163	150	139	139	166	152	143	143	168	154	146	146	170	156	150	150

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

‡ Chart data is for 80° F indoor dry bulb. For indoor db temperatures other than 80° F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below.
(Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

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

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

COOLING		24 Size With ED*4X30* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees 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†	27.67	25.38	23.30	22.67	26.46	24.25	22.26	21.83	25.17	23.05	21.17	20.95	23.82	21.80	20.05	20.00	22.39	20.46	18.98	18.98
	S/T‡	0.53	0.71	0.92	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.96	1.00	0.55	0.76	0.99	1.00	0.56	0.78	1.00	1.00
	AMPS*	6.76	6.74	6.72	6.72	7.57	7.55	7.53	7.53	8.47	8.44	8.43	8.42	9.45	9.43	9.41	9.41	10.54	10.52	10.50	10.50
	HI PR	275	271	268	267	318	313	310	309	364	359	355	355	415	410	406	406	469	464	461	461
	LO PR	154	141	129	126	156	143	131	129	159	145	133	132	161	147	136	136	163	150	140	140
800	MBh†	28.12	25.82	23.82	23.60	26.85	24.64	22.77	22.71	25.51	23.40	21.75	21.76	24.12	22.10	20.75	20.75	22.63	20.72	19.66	19.66
	S/T‡	0.55	0.74	0.97	1.00	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	0.83	1.00	1.00
	AMPS*	6.92	6.90	6.88	6.88	7.73	7.71	7.69	7.69	8.63	8.60	8.59	8.59	9.61	9.59	9.58	9.58	10.70	10.68	10.67	10.67
	HI PR	276	272	269	268	319	315	311	311	365	361	357	357	416	411	408	408	470	465	463	463
	LO PR	158	144	133	132	160	146	135	135	162	148	138	138	164	150	142	142	166	153	145	145
900	MBh†	28.43	26.13	24.36	24.36	27.12	24.92	23.41	23.41	25.74	23.65	22.41	22.41	24.32	22.32	21.34	21.34	22.79	20.91	20.20	20.20
	S/T‡	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	0.84	1.00	1.00	0.61	0.87	1.00	1.00
	AMPS*	7.08	7.06	7.04	7.04	7.89	7.87	7.85	7.85	8.79	8.76	8.75	8.75	9.77	9.75	9.74	9.74	10.86	10.84	10.83	10.83
	HI PR	277	273	270	270	320	315	312	312	366	362	359	359	417	412	409	409	471	466	464	464
	LO PR	161	147	137	137	162	149	140	140	164	151	143	143	166	153	147	147	169	155	150	150

† 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.)

Sensible Capacity at Indoor db LOWER than 80 °F = (MBh x S/T) -

$$\left(\frac{(80 - \text{Indoor db}) \times 835 \times \text{Indoor CFM}}{1000} \right)$$

Sensible Capacity at Indoor db HIGHER than 80 °F = (MBh x S/T) +

$$\left(\frac{(\text{Indoor db} - 80) \times 835 \times \text{Indoor CFM}}{1000} \right)$$

COOLING		30 Size With ED*4X36* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
775	MBh†	34.78	31.60	28.76	27.45	33.30	30.23	27.51	26.48	31.73	28.78	26.19	25.44	30.05	27.23	24.79	24.32	28.25	25.56	23.29	23.11
	S/T‡	0.51	0.68	0.88	1.00	0.52	0.69	0.90	1.00	0.53	0.71	0.92	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.97	1.00
	AMPS*	8.40	8.36	8.34	8.32	9.35	9.31	9.28	9.27	10.40	10.36	10.33	10.32	11.56	11.52	11.48	11.47	12.83	12.78	12.74	12.73
	HI PR	275	271	267	266	318	313	309	308	364	359	355	354	415	410	405	404	470	465	460	460
	LO PR	150	137	126	120	152	140	128	124	155	142	130	127	157	144	133	131	160	147	136	135
900	MBh†	35.63	32.38	29.56	28.85	34.07	30.93	28.26	27.80	32.41	29.40	26.90	26.68	30.65	27.78	25.49	25.47	28.76	26.04	24.16	24.16
	S/T‡	0.53	0.71	0.93	1.00	0.54	0.73	0.95	1.00	0.54	0.74	0.97	1.00	0.55	0.76	0.99	1.00	0.57	0.79	1.00	1.00
	AMPS*	8.61	8.57	8.54	8.54	9.56	9.52	9.49	9.49	10.61	10.57	10.54	10.54	11.77	11.73	11.69	11.69	13.04	12.99	12.96	12.96
	HI PR	276	272	269	268	319	314	311	310	365	361	356	356	416	411	407	407	471	466	462	462
	LO PR	154	141	130	127	156	143	132	130	159	146	134	133	161	148	137	137	164	150	141	141
1025	MBh†	36.25	32.94	30.23	30.01	34.61	31.43	28.93	28.88	32.89	29.85	27.68	27.68	31.07	28.17	26.40	26.40	29.11	26.38	25.00	25.01
	S/T‡	0.54	0.75	0.97	1.00	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	0.83	1.00	1.00
	AMPS*	8.82	8.78	8.75	8.75	9.77	9.73	9.70	9.70	10.82	10.78	10.75	10.75	11.98	11.93	11.91	11.91	13.24	13.20	13.17	13.17
	HI PR	277	273	270	270	320	315	312	312	367	362	358	358	417	412	409	409	472	467	464	464
	LO PR	157	144	134	133	159	146	136	136	162	148	139	139	164	151	142	142	166	153	146	146

† 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.

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‡ 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.)

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

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

COOLING		36 Size With ED*4X42* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1000	MBh†	42.11	38.40	35.06	33.83	40.22	36.66	33.50	32.59	38.20	34.81	31.84	31.26	36.06	32.84	30.09	29.81	33.72	30.70	28.26	28.24
	S/T‡	0.52	0.70	0.90	1.00	0.53	0.71	0.92	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.97	1.00	0.56	0.77	1.00	1.00
	AMPS*	10.40	10.35	10.30	10.28	11.52	11.47	11.42	11.41	12.76	12.71	12.66	12.65	14.13	14.07	14.02	14.01	15.62	15.55	15.49	15.49
	HI PR	268	264	261	260	310	306	302	301	356	351	348	347	405	401	397	397	459	455	451	451
	LO PR	149	136	125	121	151	139	127	124	154	141	130	127	157	144	132	131	159	146	136	136
1150	MBh†	42.92	39.16	35.91	35.32	40.94	37.33	34.30	33.99	38.83	35.40	32.62	32.55	36.58	33.34	31.00	31.00	34.15	31.13	29.30	29.31
	S/T‡	0.54	0.73	0.94	1.00	0.54	0.74	0.96	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*	10.65	10.59	10.55	10.54	11.77	11.72	11.67	11.67	13.01	12.96	12.91	12.91	14.38	14.32	14.27	14.27	15.86	15.80	15.76	15.76
	HI PR	269	265	262	262	311	307	304	303	357	352	349	349	406	402	399	399	460	456	453	453
	LO PR	153	140	129	127	155	142	131	130	157	144	134	133	160	147	137	137	162	149	141	141
1300	MBh†	43.50	39.70	36.66	36.55	41.45	37.82	35.10	35.13	39.26	35.83	33.60	33.60	36.94	33.71	31.95	31.96	34.44	31.44	30.16	30.16
	S/T‡	0.55	0.76	0.98	1.00	0.56	0.77	1.00	1.00	0.57	0.80	1.00	1.00	0.58	0.82	1.00	1.00	0.60	0.85	1.00	1.00
	AMPS*	10.90	10.84	10.80	10.80	12.02	11.96	11.92	11.92	13.26	13.20	13.17	13.17	14.62	14.56	14.53	14.53	16.11	16.05	16.02	16.02
	HI PR	269	266	263	263	312	308	305	305	357	353	350	350	407	403	400	400	461	457	455	455
	LO PR	156	143	132	132	158	145	135	135	160	147	138	138	162	149	142	142	165	152	146	146

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

‡ Chart data is for 80 °F indoor dry bulb. For indoor db temperatures other than 80 °F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below. (Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

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

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

COOLING		42 Size With ED*4X48* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1175	MBh†	49.41	45.05	41.10	39.50	47.14	42.98	39.22	38.03	44.71	40.77	37.25	36.46	42.12	38.42	35.16	34.76	39.30	35.86	32.95	32.90
	S/T‡	0.52	0.69	0.89	1.00	0.52	0.70	0.91	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.96	1.00	0.55	0.76	0.99	1.00
	AMPS*	12.61	12.40	12.21	12.14	13.89	13.68	13.49	13.43	15.30	15.09	14.90	14.86	16.85	16.64	16.45	16.42	18.54	18.32	18.14	18.13
	HI PR	278	273	269	268	320	316	311	310	367	361	357	356	417	411	406	406	471	465	460	460
	LO PR	154	141	129	124	156	143	131	127	159	145	133	131	162	148	136	135	164	151	139	139
1350	MBh†	50.42	46.01	42.10	41.29	48.02	43.82	40.16	39.70	45.48	41.50	38.14	38.00	42.77	39.02	36.16	36.17	39.83	36.36	34.14	34.15
	S/T‡	0.53	0.72	0.94	1.00	0.54	0.74	0.96	1.00	0.55	0.76	0.98	1.00	0.56	0.78	1.00	1.00	0.58	0.80	1.00	1.00
	AMPS*	12.95	12.73	12.55	12.51	14.23	14.01	13.83	13.81	15.64	15.42	15.24	15.23	17.19	16.97	16.80	16.80	18.87	18.65	18.51	18.51
	HI PR	279	275	271	270	322	317	313	312	368	363	358	358	418	413	408	408	472	467	463	463
	LO PR	158	145	133	130	160	147	135	134	162	149	137	137	165	151	141	141	168	154	145	145
1525	MBh†	51.16	46.70	42.96	42.75	48.67	44.42	41.01	41.05	46.03	42.02	39.24	39.24	43.22	39.47	37.28	37.28	40.19	36.72	35.13	35.13
	S/T‡	0.55	0.75	0.98	1.00	0.56	0.77	1.00	1.00	0.57	0.79	1.00	1.00	0.58	0.82	1.00	1.00	0.60	0.85	1.00	1.00
	AMPS*	13.27	13.06	12.88	12.87	14.55	14.33	14.16	14.17	15.96	15.74	15.59	15.59	17.51	17.29	17.16	17.16	19.18	18.97	18.87	18.87
	HI PR	280	276	272	272	323	318	314	314	369	364	360	360	419	414	410	411	473	468	465	465
	LO PR	161	148	136	136	163	150	139	139	165	152	142	142	168	154	146	146	170	156	150	150

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

‡ Chart data is for 80° F indoor dry bulb. For indoor db temperatures other than 80° F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below.

(Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

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

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

COOLING		48 Size With ED*4X60* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees F, Wet Bulb																			
CFM		72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57	72	67	62	57
1350	MBh†	58.52	53.36	48.67	46.69	55.63	50.74	46.32	44.85	52.62	48.00	43.87	42.92	49.45	45.12	41.32	40.86	46.05	42.05	38.67	38.62
	S/T‡	0.52	0.69	0.89	1.00	0.52	0.70	0.91	1.00	0.53	0.72	0.94	1.00	0.54	0.74	0.96	1.00	0.55	0.76	1.00	1.00
	AMPS*	13.95	14.02	14.07	14.09	15.68	15.72	15.75	15.75	17.54	17.56	17.56	17.55	19.54	19.52	19.50	19.49	21.66	21.63	21.58	21.58
	HI PR	278	274	270	268	321	317	312	311	368	363	358	357	418	413	408	407	473	467	462	462
	LO PR	155	142	130	125	158	144	132	128	160	147	134	132	163	149	137	136	166	152	140	140
1550	MBh†	59.72	54.49	49.86	48.83	56.67	51.72	47.40	46.83	53.50	48.83	44.89	44.73	50.18	45.82	42.49	42.49	46.64	42.61	40.06	40.07
	S/T‡	0.53	0.72	0.94	1.00	0.54	0.74	0.96	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*	14.29	14.36	14.42	14.43	16.03	16.08	16.10	16.11	17.90	17.92	17.92	17.92	19.90	19.89	19.88	19.88	22.03	22.00	21.97	21.97
	HI PR	280	275	271	271	323	318	314	313	369	364	360	359	420	414	410	410	474	469	465	465
	LO PR	159	146	134	131	161	148	136	134	164	150	139	138	166	153	142	142	169	155	146	146
1750	MBh†	60.59	55.31	50.87	50.60	57.42	52.43	48.43	48.46	54.13	49.44	46.21	46.21	50.69	46.32	43.81	43.81	47.02	43.01	41.22	41.22
	S/T‡	0.55	0.75	0.98	1.00	0.56	0.77	1.00	1.00	0.57	0.79	1.00	1.00	0.58	0.82	1.00	1.00	0.60	0.85	1.00	1.00
	AMPS*	14.64	14.71	14.77	14.77	16.38	16.43	16.46	16.46	18.26	18.28	18.29	18.29	20.26	20.26	20.25	20.25	22.40	22.37	22.35	22.35
	HI PR	281	276	273	272	324	319	315	315	370	365	362	362	421	415	412	412	475	470	467	467
	LO PR	162	149	137	137	164	151	140	140	167	153	144	144	169	155	147	147	172	158	152	152

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

‡ Chart data is for 80° F indoor dry bulb. For indoor db temperatures other than 80° F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below. (Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

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

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

COOLING		60 Size With ED*4X60* Indoor																			
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																			
		75				85				95				105				115			
		Entering Indoor Temperature - Degrees 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†	70.67	64.54	59.03	57.25	67.45	61.60	56.40	55.15	64.04	58.50	53.65	52.90	60.42	55.20	50.76	50.49	56.47	51.63	47.85	47.85
	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	0.78	1.00	1.00
	AMPS*	18.18	17.89	17.64	17.56	20.03	19.74	19.49	19.43	22.06	21.77	21.53	21.49	24.30	24.01	23.76	23.75	26.71	26.43	26.22	26.22
	HI PR	295	290	285	283	340	334	329	327	389	382	376	376	441	434	428	428	497	490	485	485
	LO PR	156	142	131	127	158	145	133	130	160	147	135	133	163	149	138	137	166	152	141	141
2000	MBh†	71.91	65.72	60.35	59.57	68.54	62.64	57.66	57.30	64.98	59.39	54.84	54.89	61.20	55.96	52.30	52.30	57.10	52.26	49.45	49.46
	S/T‡	0.54	0.73	0.95	1.00	0.55	0.75	0.97	1.00	0.56	0.77	1.00	1.00	0.57	0.79	1.00	1.00	0.58	0.82	1.00	1.00
	AMPS*	18.65	18.36	18.11	18.08	20.49	20.20	19.96	19.94	22.53	22.23	22.00	22.00	24.75	24.46	24.26	24.26	27.16	26.89	26.73	26.73
	HI PR	297	291	287	286	342	336	330	330	390	384	378	378	442	436	431	431	498	492	487	487
	LO PR	159	146	134	133	161	148	137	136	164	150	139	139	166	152	143	143	169	155	147	147
2250	MBh†	72.82	66.58	61.56	61.48	69.33	63.39	59.07	59.07	65.65	60.05	56.50	56.51	61.75	56.52	53.75	53.76	57.52	52.71	50.74	50.74
	S/T‡	0.56	0.76	0.99	1.00	0.57	0.78	1.00	1.00	0.58	0.80	1.00	1.00	0.59	0.83	1.00	1.00	0.61	0.86	1.00	1.00
	AMPS*	19.10	18.81	18.58	18.58	20.95	20.65	20.44	20.44	22.98	22.68	22.50	22.50	25.20	24.91	24.76	24.76	27.60	27.33	27.22	27.22
	HI PR	298	292	288	288	343	337	332	332	391	385	381	381	444	437	433	433	500	493	490	490
	LO PR	162	149	138	138	164	151	141	141	166	153	144	144	169	155	148	148	171	157	152	152

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db

If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

‡ Chart data is for 80° F indoor dry bulb. For indoor db temperatures other than 80° F, measure Indoor db and Indoor CFM, and plug these into the formula below. Measure outdoor db and indoor wet bulb, apply these to the chart above, find MBh and S/T, and plug these into the formula below.

(Note: if indoor db is the only thing changing, total capacity, MBh, stays the same.)

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

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

Data for Condenser Only (Cooling)									
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F							
		55	65	75	85	95	105	115	125
(C,H,T)4A418									
30	TCG	16.20	15.30	14.30	13.40	12.40	11.40	10.30	9.20
	SDT	65.80	75.30	84.80	94.40	103.90	113.40	122.90	132.40
	KW	0.79	0.90	1.02	1.16	1.31	1.48	1.65	1.83
35	TCG	17.80	16.90	15.80	14.80	13.80	12.70	11.50	10.40
	SDT	66.80	76.20	85.70	95.20	104.70	114.20	123.60	133.10
	KW	0.78	0.89	1.02	1.16	1.31	1.48	1.66	1.85
40	TCG	19.60	18.50	17.50	16.30	15.20	14.00	12.80	11.50
	SDT	67.80	77.20	86.60	96.10	105.50	114.90	124.40	133.80
	KW	0.78	0.89	1.02	1.16	1.31	1.48	1.66	1.85
45	TCG	21.50	20.40	19.20	18.00	16.70	15.50	14.20	12.80
	SDT	68.80	78.30	87.60	97.00	106.40	115.80	125.10	134.40
	KW	0.77	0.89	1.01	1.15	1.31	1.48	1.66	1.86
50	TCG	23.50	22.30	21.00	19.70	18.40	17.00	15.60	14.10
	SDT	70.00	79.40	88.70	98.00	107.30	116.60	125.90	135.20
	KW	0.77	0.88	1.01	1.15	1.31	1.48	1.66	1.86
55	TCG	25.60	24.30	22.90	21.50	20.00	18.50	17.00	15.40
	SDT	71.10	80.40	89.80	99.00	108.30	117.50	126.70	135.90
	KW	0.76	0.88	1.01	1.15	1.30	1.47	1.66	1.86
(C,H,T)4A424									
30	TCG	21.50	20.30	19.10	17.90	16.70	15.40	14.50	12.70
	SDT	68.90	78.20	87.60	97.00	106.40	115.90	122.50	134.80
	KW	0.96	1.10	1.26	1.44	1.64	1.85	2.02	2.34
35	TCG	23.70	22.40	21.10	19.80	18.40	17.10	16.10	14.20
	SDT	70.10	79.40	88.70	98.10	107.40	116.80	123.40	135.50
	KW	0.97	1.11	1.27	1.45	1.64	1.86	2.03	2.35
40	TCG	26.10	24.60	23.20	21.80	20.30	18.80	17.80	15.70
	SDT	71.40	80.60	89.90	99.20	108.50	117.80	124.30	136.30
	KW	0.97	1.11	1.27	1.45	1.65	1.87	2.03	2.36
45	TCG	28.50	27.00	25.50	23.90	22.30	20.70	19.50	17.20
	SDT	72.80	82.00	91.10	100.30	109.60	118.80	125.20	137.10
	KW	0.98	1.12	1.28	1.46	1.66	1.88	2.04	2.37
50	TCG	31.10	29.50	27.80	26.10	24.30	22.60	21.30	18.80
	SDT	74.20	83.30	92.40	101.60	110.70	119.80	126.20	138.00
	KW	0.98	1.13	1.29	1.47	1.66	1.88	2.05	2.38
55	TCG	33.80	32.00	30.20	28.30	26.40	24.50	23.10	20.50
	SDT	75.70	84.80	93.80	102.80	111.80	120.90	127.20	138.80
	KW	0.99	1.13	1.29	1.47	1.67	1.89	2.05	2.38

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
(C,H,T)4A430									
30	TCG	26.40	25.00	23.60	22.10	20.60	19.00	17.30	15.60
	SDT	68.50	77.80	87.20	96.60	106.00	115.40	124.80	134.20
	KW	1.26	1.43	1.62	1.83	2.07	2.32	2.59	2.87
35	TCG	29.10	27.60	26.00	24.50	22.80	21.10	19.30	17.40
	SDT	69.70	79.00	88.40	97.70	107.10	116.40	125.70	135.10
	KW	1.26	1.44	1.63	1.84	2.08	2.33	2.61	2.90
40	TCG	32.00	30.40	28.70	27.00	25.20	23.40	21.50	19.40
	SDT	71.10	80.30	89.60	98.90	108.20	117.40	126.70	135.90
	KW	1.27	1.44	1.63	1.85	2.08	2.34	2.62	2.92
45	TCG	35.10	33.30	31.50	29.70	27.80	25.80	23.80	21.60
	SDT	72.50	81.70	90.90	100.10	109.30	118.50	127.70	136.80
	KW	1.28	1.45	1.64	1.86	2.09	2.35	2.64	2.94
50	TCG	38.40	36.50	34.50	32.60	30.50	28.40	26.20	23.80
	SDT	74.00	83.10	92.20	101.40	110.50	119.60	128.70	137.80
	KW	1.29	1.46	1.65	1.87	2.10	2.36	2.65	2.95
55	TCG	41.90	39.80	37.80	35.60	33.40	31.10	28.80	26.20
	SDT	75.50	84.60	93.70	102.70	111.80	120.80	129.80	138.80
	KW	1.30	1.47	1.66	1.88	2.12	2.38	2.66	2.97
(C,H,T)4A436									
30	TCG	33.30	31.50	29.60	27.80	25.80	23.80	21.60	19.30
	SDT	68.30	77.50	86.70	96.00	105.30	114.60	123.90	133.20
	KW	1.54	1.75	1.97	2.22	2.49	2.79	3.10	3.43
35	TCG	36.60	34.70	32.70	30.70	28.60	26.40	24.10	21.60
	SDT	69.60	78.70	87.90	97.10	106.30	115.60	124.80	134.00
	KW	1.55	1.75	1.98	2.23	2.51	2.80	3.12	3.46
40	TCG	40.20	38.10	36.00	33.80	31.50	29.10	26.60	24.00
	SDT	71.00	80.00	89.10	98.20	107.40	116.60	125.70	134.80
	KW	1.56	1.76	1.99	2.24	2.52	2.82	3.15	3.49
45	TCG	44.10	41.80	39.50	37.10	34.60	32.00	29.30	26.40
	SDT	72.50	81.40	90.40	99.40	108.50	117.60	126.70	135.70
	KW	1.58	1.78	2.00	2.25	2.53	2.84	3.16	3.52
50	TCG	48.10	45.70	43.20	40.60	37.90	35.10	32.10	29.00
	SDT	74.00	82.80	91.80	100.70	109.70	118.70	127.70	136.60
	KW	1.59	1.79	2.02	2.27	2.55	2.85	3.18	3.54
55	TCG	52.50	49.80	47.10	44.20	41.30	38.30	35.00	31.60
	SDT	75.70	84.40	93.20	102.10	111.00	119.90	128.70	137.50
	KW	1.61	1.81	2.03	2.28	2.56	2.87	3.20	3.55

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
(C,H,T)4A442									
30	TCG	38.80	36.70	34.60	32.40	30.20	27.90	25.50	22.90
	SDT	68.90	78.20	87.50	96.90	106.20	115.50	124.80	134.00
	KW	1.80	2.03	2.28	2.57	2.88	3.22	3.58	3.98
35	TCG	42.80	40.50	38.20	35.80	33.40	30.90	28.20	25.40
	SDT	70.30	79.50	88.70	98.00	107.30	116.50	125.70	134.90
	KW	1.84	2.07	2.32	2.60	2.92	3.26	3.63	4.03
40	TCG	47.00	44.50	42.00	39.40	36.80	34.00	31.10	28.00
	SDT	71.70	80.80	90.00	99.20	108.40	117.60	126.70	135.70
	KW	1.88	2.11	2.36	2.65	2.96	3.30	3.68	4.08
45	TCG	51.50	48.80	46.10	43.30	40.40	37.30	34.20	30.80
	SDT	73.20	82.30	91.40	100.50	109.60	118.70	127.70	136.70
	KW	1.92	2.15	2.40	2.69	3.00	3.35	3.72	4.12
50	TCG	56.30	53.40	50.40	47.30	44.10	40.80	37.40	33.60
	SDT	74.80	83.80	92.80	101.90	110.90	119.90	128.80	137.60
	KW	1.97	2.20	2.45	2.74	3.05	3.40	3.77	4.17
55	TCG	61.30	58.20	54.90	51.60	48.10	44.50	40.70	36.60
	SDT	76.60	85.40	94.40	103.30	112.20	121.10	129.90	138.60
	KW	2.02	2.25	2.50	2.79	3.10	3.45	3.82	4.22
(C,H,T)4A448									
30	TCG	45.10	42.50	39.90	37.30	34.70	32.00	29.30	26.40
	SDT	69.80	79.00	88.20	97.40	106.70	115.90	125.20	134.40
	KW	2.03	2.34	2.67	3.03	3.42	3.83	4.27	4.74
35	TCG	49.80	46.90	44.00	41.20	38.30	35.30	32.30	29.10
	SDT	71.30	80.40	89.50	98.60	107.80	117.00	126.10	135.20
	KW	2.01	2.33	2.67	3.04	3.43	3.85	4.30	4.77
40	TCG	54.80	51.60	48.50	45.30	42.10	38.90	35.50	31.90
	SDT	72.90	81.80	90.80	99.90	109.00	118.10	127.10	136.10
	KW	2.00	2.32	2.67	3.04	3.44	3.87	4.32	4.80
45	TCG	60.10	56.70	53.20	49.70	46.20	42.60	38.90	35.00
	SDT	74.50	83.40	92.30	101.30	110.20	119.20	128.20	137.00
	KW	1.98	2.31	2.66	3.04	3.45	3.88	4.34	4.83
50	TCG	65.80	62.00	58.20	54.40	50.50	46.60	42.50	38.10
	SDT	76.30	85.00	93.80	102.70	111.60	120.40	129.30	138.00
	KW	1.96	2.29	2.65	3.04	3.45	3.89	4.36	4.85
55	TCG	71.80	67.70	63.50	59.30	55.00	50.70	46.20	41.40
	SDT	78.20	86.80	95.50	104.20	113.00	121.70	130.40	139.00
	KW	1.94	2.28	2.64	3.03	3.45	3.90	4.37	4.86

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
(C,H,T)4A460									
30	TCG	55.90	53.00	50.00	49.10	43.80	40.60	37.20	33.70
	SDT	73.50	82.50	91.60	94.30	109.80	119.00	128.10	137.20
	KW	2.60	2.93	3.30	3.41	4.16	4.65	5.19	5.77
35	TCG	61.50	58.30	55.10	54.10	48.40	44.90	41.20	37.30
	SDT	75.20	84.20	93.20	95.90	111.20	120.30	129.30	138.20
	KW	2.65	2.98	3.35	3.46	4.21	4.71	5.25	5.83
40	TCG	67.60	64.10	60.50	59.50	53.20	49.40	45.40	41.10
	SDT	77.00	85.90	94.80	97.50	112.70	121.60	130.50	139.30
	KW	2.70	3.03	3.40	3.52	4.27	4.76	5.30	5.89
45	TCG	74.00	70.20	66.30	65.20	58.40	54.20	49.70	45.00
	SDT	79.00	87.70	96.50	99.20	114.20	123.00	131.80	140.50
	KW	2.76	3.09	3.46	3.58	4.33	4.82	5.36	5.95
50	TCG	80.80	76.70	72.50	71.20	63.70	59.10	54.30	49.10
	SDT	81.00	89.70	98.40	101.00	115.80	124.50	133.10	141.70
	KW	2.83	3.16	3.53	3.65	4.39	4.89	5.43	6.01
55	TCG	88.00	83.50	78.90	77.50	69.40	64.30	59.00	53.30
	SDT	83.20	91.70	100.30	102.90	117.50	126.00	134.50	142.90
	KW	2.90	3.23	3.60	3.72	4.46	4.96	5.49	6.07

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

SDT = Saturated Temperature Leaving Compressor

kW = Outdoor Unit Kilowatts

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)
(C,H,T)4A418											
>ED*4X24B**		1.00	1.00	EHD4X24A**	*9MPV050	1.03	0.99	EXX*24B****	MV08B15****	1.02	0.98
EBP24****		1.00	1.03	EHD4X24A**	*9MPV075	1.03	0.99	EXX*24F****		1.01	1.03
EBV24****		1.03	0.99	EHD4X24A**	MV08B15****	1.00	0.96	EXX*24F****	*9MPV050	1.04	1.00
EBXX18****		1.00	1.03	EHD4X24A**	MV12F19****	0.99	0.95	EXX*24F****	MV12F19****	1.01	0.97
EBXX24****		0.99	0.99	EL*18B****	MV08B15****	0.93	0.93	FEM4X18****		1.01	0.97
ED*4X18B**		0.98	1.01	EL*24B****	MV08B15****	0.97	0.93	FEM4X24****		1.02	0.98
ED*4X18B**	MV08B15****	0.99	0.95	EMA4X24D**		1.00	1.00	FS(M,U)4X18***		0.98	1.01
ED*4X24B**	MV08B15****	1.02	0.98	EP*18B****	MV08B15****	0.93	0.93	FS(M,U)4X24***		1.01	1.01
ED*4X24F**		1.00	1.00	EP*24B****	MV08B15****	0.97	0.93	FSA2X24****		1.00	1.00
ED*4X24F**	MV12F19****	1.02	0.98	EP*24F****	MV12F19****	0.97	0.93	FVM4X24****		1.01	0.97
EHD4X24A**		1.00	1.00	EXX*24B****		1.01	1.03	FWM18****		0.96	0.99
(C,H,T)4A424											
>ED*4X30B**		1.00	1.00	EHD4X24A**		0.98	0.97	EP*24B****	MV08B15****	0.93	0.91
EBP24****		0.97	0.98	EHD4X24A**	*8MPV050	0.99	0.97	EP*24F****	*9MPV050	0.92	0.92
EBP30****		0.97	0.99	EHD4X24A**	*8MPV100	1.01	0.96	EP*24F****	*9MPV075	0.92	0.92
EBV24****		1.00	0.95	EHD4X24A**	*8MPV125	1.01	0.96	EP*24F****	MV12F19****	0.93	0.91
EBV36****		1.01	0.96	EHD4X24A**	*9MPV050	0.99	0.97	EP*30B****	*8MPV050	0.94	0.93
EBXX18****		0.97	0.98	EHD4X24A**	*9MPV075	0.99	0.97	EP*30B****	MV08B15****	0.95	0.93
EBXX24****		0.97	0.99	EHD4X24A**	*9MPV100	1.00	0.95	EP*30F****	*9MPV050	0.94	0.93
ED*4X24B**		0.98	1.00	EHD4X24A**	MV08B15****	1.00	0.95	EP*30F****	*9MPV075	0.94	0.93
ED*4X24B**	*8MPV050	0.99	0.97	EHD4X24A**	MV12F19****	1.00	0.95	EP*30F****	MV12F19****	0.95	0.90
ED*4X24B**	MV08B15****	1.00	0.95	EHD4X24A**	MV16J22****	1.01	0.96	EXX*24B****		0.97	0.99
ED*4X24B**	*9MPV050	0.98	0.94	EHD4X24A**	MV20N26****	0.99	0.94	EXX*24B****	*8MPV050	0.98	0.96
ED*4X24B**	*9MPV075	0.98	0.94	EHD4X30A**		0.99	0.98	EXX*24B****	MV08B15****	0.99	0.94
ED*4X24F**		0.98	1.00	EHD4X30A**	*8MPV050	0.99	0.94	EXX*24F****		0.97	0.99
ED*4X24F**	*9MPV050	0.99	0.94	EHD4X30A**	*9MPV050	1.00	0.95	EXX*24F****	*8MPV075	0.99	0.97

> 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*4X24F**	*9MPV075	1.00	0.95	EHD4X30A**	*9MPV075	1.00	0.95	EXX*24F****	*9MPV050	0.98	0.96
ED*4X24F**	MV12F19****	1.00	0.95	EHD4X30A**	*9MPV100	1.01	0.96	EXX*24F****	*9MPV075	0.98	0.96
ED*4X30B**	*8MPV050	1.00	0.95	EHD4X30A**	MV08B15****	1.01	0.96	EXX*24F****	MV12F19****	0.99	0.94
ED*4X30B**	MV08B15****	1.00	0.95	EHD4X30A**	MV12F19****	1.00	0.95	FEM4X24****		0.99	0.94
ED*4X30B**	*9MPV050	0.99	0.94	EHD4X30A**	MV16J22****	1.02	0.97	FEM4X30****		1.00	0.95
ED*4X30B**	*9MPV075	0.99	0.94	EHD4X30A**	MV20N26****	1.01	0.96	FS(M,U)4X24***		0.97	0.99
ED*4X30F**		0.99	0.99	EHD4X36A**		0.99	0.98	FS(M,U)4X30***		0.98	0.97
ED*4X30F**	*9MPV050	0.99	0.94	EL*24B****	*8MPV050	0.92	0.94	FSA2X24****		0.97	0.96
ED*4X30F**	*9MPV075	1.00	0.95	EL*24B****	MV08B15****	0.93	0.91	FVM4X24****		0.99	0.91
ED*4X30F**	MV12F19****	1.02	0.97	EL*30B****	*8MPV050	0.94	0.93	FVM4X36****		0.99	0.91
ED*4X36B**		0.99	0.98	EL*30B****	MV08B15****	0.94	0.92	FWM24****		0.95	0.96
ED*4X36B**		0.95	0.95	EMA4X24D**		0.98	0.99	FWM30****		0.96	0.98
ED*4X36F**		0.99	0.98	EMA4X36D**		0.99	0.98				
ED*4X36J**		0.99	0.98	EP*24B****	*8MPV050	0.92	0.94				
(C,H,T)4A430											
>ED*4X36F**		1.00	1.00	EHD4X30A**	*9MPV125	1.01	0.97	EP*36B****	MV08B15****	0.97	0.97
EBP30****		0.97	1.00	EHD4X30A**	MV08B15****	1.01	0.97	EP*36F****		0.95	0.98
EBP36****		0.97	1.00	EHD4X30A**	MV12F19****	1.01	0.97	EP*36F****	*8MPV075	0.97	0.97
EBV24****		1.00	0.98	EHD4X30A**	MV16J22****	1.02	0.98	EP*36F****	*9MPV050	0.97	0.99
EBV36****		1.01	0.97	EHD4X30A**	MV20N26****	1.02	0.98	EP*36F****	*9MPV075	0.97	0.99
EBXX36****		0.99	1.02	EHD4X36A**		1.00	1.00	EP*36F****	MV12F19****	0.97	0.96
ED*4X30B**		0.99	1.02	EHD4X36A**	*8MPV050	1.02	1.00	EP*36J****		0.95	0.98
ED*4X30B**	MV08B15****	1.00	0.96	EHD4X36A**	*8MPV075	1.02	0.98	EP*36J****	*8MPV100	0.97	0.96
ED*4X30B**	*9MPV075	0.99	0.99	EHD4X36A**	*8MPV100	1.01	0.97	EP*36J****	*8MPV125	0.97	0.96
ED*4X30B**	*8MPV075	1.01	0.99	EHD4X36A**	*8MPV125	1.01	0.97	EP*36J****	*9MPV100	0.97	0.97
ED*4X30B**	*9MPV075	0.99	0.98	EHD4X36A**	*9MPV050	1.01	0.99	EP*36J****	MV16J22****	0.97	0.93
ED*4X30F**		0.99	1.02	EHD4X36A**	*9MPV075	1.01	1.00	EXX*36B****		0.99	1.02
ED*4X30F**	*8MPV075	1.01	1.00	EHD4X36A**	*9MPV100	1.01	0.97	EXX*36B****	*8MPV050	1.01	1.01

> 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*4X30F**	*9MPV075	1.01	1.00	EHD4X36A**	*9MPV125	1.02	0.98	EXX*36B****	MV08B15****	1.02	0.98
ED*4X30F**	MV12F19****	1.01	0.97	EHD4X36A**	MV08B15****	1.01	0.97	EXX*36F****		0.99	1.02
ED*4X36B**		0.97	0.97	EHD4X36A**	MV12F19****	1.01	0.97	EXX*36F****	*8MPV075	1.01	1.00
ED*4X36B**	MV08B15****	0.97	0.93	EHD4X36A**	MV16J22****	1.01	0.97	EXX*36F****	*9MPV050	1.01	1.01
ED*4X36B**	*8MPV075	1.01	0.99	EHD4X36A**	MV20N26****	1.02	1.02	EXX*36F****	*9MPV075	1.01	1.01
ED*4X36B**	*9MPV075	1.00	0.98	EHD4X42A**		1.00	1.00	EXX*36F****	MV12F19****	1.01	0.97
ED*4X36F**	*8MPV075	1.02	1.00	EL*30B****	MV08B15****	0.94	0.96	EXX*36J****		0.99	1.02
ED*4X36F**	*9MPV075	1.01	1.00	EL*36B****		0.95	0.98	EXX*36J****	*8MPV100	1.01	0.97
ED*4X36F**	MV12F19****	1.02	0.98	EL*36B****	*8MPV050	0.97	0.99	EXX*36J****	*8MPV125	1.01	0.97
ED*4X36J**		0.99	0.99	EL*36B****	MV08B15****	0.97	0.97	EXX*36J****	*9MPV100	1.01	0.97
ED*4X36J**	*8MPV100	1.03	0.99	EL*36F****		0.95	0.98	EXX*36J****	MV16J22****	1.01	0.97
ED*4X36J**	*8MPV125	1.02	0.98	EL*36F****	*8MPV075	0.97	0.97	FEM4X30****		0.99	0.98
ED*4X36J**	*9MPV100	1.02	0.98	EL*36F****	*9MPV050	0.97	0.99	FEM4X36****		1.02	1.00
ED*4X36J**	MV16J22****	1.03	0.99	EL*36F****	*9MPV075	0.97	0.99	FS(M,U)4X30***		0.99	0.99
ED*4X42J**		1.00	1.00	EL*36F****	MV12F19****	0.97	0.96	FSA2X30****		0.98	1.00
ED*4X42L**		1.00	1.00	EMA4X36D**		0.99	0.99	FSA2X36****		1.01	1.01
EHD4X30A**		0.99	0.99	EMH36F****		0.95	0.98	FSM4X36****		1.02	1.00
EHD4X30A**	*8MPV050	1.01	1.00	EP*30B****	MV08B15****	0.94	0.96	FSU4X36****		1.01	1.03
EHD4X30A**	*8MPV075	1.01	1.00	EP*30F****	*8MPV075	0.94	0.96	FVM4X24****		0.99	0.95
EHD4X30A**	*8MPV100	1.01	0.97	EP*30F****	MV12F19****	0.93	0.93	FVM4X36****		0.99	0.92
EHD4X30A**	*8MPV125	1.00	0.96	EP*36B****		0.95	0.98	FWM30****		0.97	0.99
EHD4X30A**	*9MPV100	1.00	0.98	EP*36B****	*8MPV050	0.97	0.99				
(C,H,T)4A436											
>ED*4X42J**		1.00	1.00	EHD4X36A**	*9MPV125	1.01	0.96	EP*42F****	*9MPV075	0.97	0.99
EBP42****		0.99	1.01	EHD4X36A**	MV08B15****	1.00	0.95	EP*42F****	MV12F19****	0.98	0.96
EBV36****		1.00	0.98	EHD4X36A**	MV12F19****	1.01	0.96	EP*42J****		0.97	0.99
EBV48****		1.04	0.99	EHD4X36A**	MV16J22****	1.02	0.97	EP*42J****	*8MPV100	0.97	0.98
EBXX36****		0.99	1.01	EHD4X36A**	MV20N26****	1.02	0.97	EP*42J****	*8MPV125	0.98	0.99

> 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*4X36B**		0.96	0.98	EHD4X42A**		1.00	0.99	EP*42J****	*9MPV100	0.97	1.00
ED*4X36B**	*8MPV050	0.95	0.94	EHD4X42A**	*8MPV075	1.01	0.96	EP*42J****	MV16J22****	0.99	0.98
ED*4X36B**	MV08B15****	0.97	0.95	EHD4X42A**	*8MPV100	1.01	0.96	EXX*36B****		0.98	1.00
ED*4X36F**		0.99	1.01	EHD4X42A**	*8MPV125	1.01	0.96	EXX*36B****	MV08B15****	1.00	0.98
ED*4X36F**	*8MPV075	1.00	0.99	EHD4X42A**	*9MPV075	1.01	0.98	EXX*36F****		0.98	1.00
ED*4X36F**	*9MPV075	0.99	0.99	EHD4X42A**	*9MPV100	1.01	0.96	EXX*36F****	*8MPV075	1.00	0.99
ED*4X36F**	MV12F19****	1.01	0.96	EHD4X42A**	*9MPV125	1.02	0.97	EXX*36F****	*9MPV075	0.99	1.01
ED*4X36J**		0.99	1.01	EHD4X42A**	MV08B15****	1.01	0.96	EXX*36F****	MV12F19****	1.00	0.95
ED*4X36J**	*8MPV100	1.01	0.96	EHD4X42A**	MV12F19****	1.01	0.96	EXX*36J****		0.99	1.01
ED*4X36J**	*8MPV125	1.01	0.96	EHD4X42A**	MV16J22****	1.02	0.97	EXX*36J****	*8MPV100	1.01	0.99
ED*4X36J**	*9MPV100	1.00	0.98	EHD4X42A**	MV20N26****	1.02	0.97	EXX*36J****	*8MPV125	1.01	0.99
ED*4X36J**	MV16J22****	1.00	0.95	EHD4X48A**		1.01	1.00	EXX*36J****	*9MPV100	0.99	0.97
ED*4X42F**		1.00	1.03	EL*36B****	MV08B15****	0.95	0.97	EXX*36J****	MV16J22****	1.02	0.97
ED*4X42F**	*8MPV075	1.01	1.00	EL*36F****	*8MPV075	0.95	0.97	EXX*42F****		1.01	1.00
ED*4X42F**	*9MPV050	0.99	0.99	EL*36F****	*9MPV075	0.94	0.98	EXX*42F****	*8MPV075	1.01	0.99
ED*4X42F**	*9MPV075	0.99	0.99	EL*36F****	MV12F19****	0.95	0.95	EXX*42F****	*9MPV050	1.00	1.02
ED*4X42F**	MV12F19****	1.02	0.97	EL*42F****		0.97	0.99	EXX*42F****	*9MPV075	1.01	1.02
ED*4X42J**	*8MPV100	1.01	0.96	EL*42F****	*8MPV075	0.98	0.97	EXX*42F****	MV12F19****	1.01	0.96
ED*4X42J**	*8MPV125	1.01	0.96	EL*42F****	*9MPV075	0.97	0.99	EXX*42J****		1.01	1.00
ED*4X42J**	*9MPV100	1.01	0.99	EL*42F****	MV12F19****	0.98	0.96	EXX*42J****	*8MPV100	1.02	1.00
ED*4X42J**	MV16J22****	1.03	0.98	EMA4X36D**		0.99	1.01	EXX*42J****	*8MPV125	1.02	0.97
ED*4X42L**		1.00	1.00	EMA4X48D**		0.98	0.97	EXX*42J****	*9MPV100	1.02	1.01
ED*4X42L**	*9MPV125	1.02	0.97	EMH42F****		0.97	0.99	EXX*42J****	MV16J22****	1.03	0.98
ED*4X48F**		0.98	0.97	EP*36B****	MV08B15****	0.94	0.94	FEM4X36****		1.03	0.98
ED*4X48J**		1.01	1.00	EP*36F****	*8MPV075	0.95	0.97	FEM4X36****			
ED*4X48L**		1.01	1.00	EP*36F****	MV12F19****	0.95	0.95	FEM4X42****		1.02	0.97
EHD4X36A**		0.99	1.01	EP*36J****	*8MPV100	0.96	0.98	FEM4X42****			
EHD4X36A**	*8MPV075	1.00	0.98	EP*36J****	*8MPV125	0.96	0.95	FS(M,U)4X42***		1.01	1.01

> 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)
EHD4X36A**	*8MPV100	1.00	0.95	EP*36J****	*9MPV100	0.95	0.97	FSM4X36****		1.01	1.00
EHD4X36A**	*8MPV125	1.01	0.96	EP*36J****	MV16J22****	0.97	0.94	FSU4X36****		0.98	1.00
EHD4X36A**	*9MPV075	0.99	0.97	EP*42F****		0.97	0.99	FVM4X36****		0.99	0.94
EHD4X36A**	*9MPV100	0.99	0.95	EP*42F****	*8MPV075	0.98	0.97	FVM4X48****		1.02	0.94
(C,H,T)4A442											
>ED*4X48J**		1.00	1.00	EHD4X42A**	*9MPV100	0.99	0.96	EP*48J****	*8MPV125	0.98	0.97
EBP42****		0.98	1.01	EHD4X42A**	*9MPV125	0.99	0.96	EP*48J****	*9MPV100	0.98	0.98
EBP48****		0.99	1.02	EHD4X42A**	MV16J22****	0.99	0.94	EP*48J****	MV16J22****	0.99	0.96
EBV48****		1.02	0.97	EHD4X42A**	MV20N26****	0.99	0.94	EP*48L****		0.98	1.00
EBXX48****		1.00	1.00	EHD4X48A**		1.00	0.99	EP*48L****	*9MPV125	0.98	0.97
ED*4X42F**		0.98	1.01	EHD4X48A**	*8MPV100	1.00	0.95	EP*48N****		0.98	1.00
ED*4X42F**	*8MPV075	0.98	0.99	EHD4X48A**	*8MPV125	1.00	0.95	EP*48N****	MV20N26****	0.98	0.93
ED*4X42F**	*9MPV075	0.96	1.00	EHD4X48A**	*9MPV100	1.00	0.98	EXX*42F****		0.98	0.99
ED*4X42J**		0.98	0.99	EHD4X48A**	*9MPV125	1.00	0.98	EXX*42F****	*8MPV075	0.99	1.00
ED*4X42J**	*8MPV100	0.99	0.96	EHD4X48A**	MV16J22****	1.00	0.95	EXX*42J****		0.98	0.99
ED*4X42J**	*8MPV125	0.99	0.96	EHD4X48A**	MV20N26****	1.00	0.95	EXX*42J****	*8MPV100	1.00	0.99
ED*4X42J**	MV16J22****	0.99	0.94	EHD4X60A**		1.01	1.00	EXX*42J****	*8MPV125	0.99	0.96
ED*4X42L**		0.98	0.99	EL*42F****		0.93	0.96	EXX*42J****	*9MPV100	0.99	1.02
ED*4X42L**	*9MPV125	0.99	0.96	EL*48F****		0.96	0.99	EXX*42J****	MV16J22****	1.00	0.95
ED*4X48F**		0.98	0.97	EL*48F****	*8MPV075	0.96	0.99	EXX*48J****		0.99	1.00
ED*4X48J**	*8MPV100	1.00	0.95	EMA4X48D**		0.98	0.98	EXX*48J****	*9MPV125	0.99	0.96
ED*4X48J**	*8MPV125	1.00	0.95	EMH42F****		0.93	0.96	EXX*48L****		0.99	1.00
ED*4X48J**	*9MPV100	1.00	0.98	EMH48F****		0.96	0.99	EXX*48L****	*9MPV125	0.99	0.96
ED*4X48J**	MV16J22****	1.00	0.95	EP*42F****		0.93	0.96	EXX*48N****		0.99	1.00
ED*4X48L**		1.00	1.00	EP*42J****		0.94	0.97	EXX*48N****	MV20N26****	0.99	0.94
ED*4X48L**	*9MPV125	1.01	0.99	EP*42J****	*8MPV125	0.94	0.97	FEM4X42****		1.00	0.98
ED*4X60J**		1.00	0.99	EP*42J****	MV16J22****	0.94	0.94	FEM4X48****		1.02	0.97
ED*4X60L**		1.01	1.00	EP*48F****		0.96	0.99	FS(M,U)4X42***		0.99	1.00

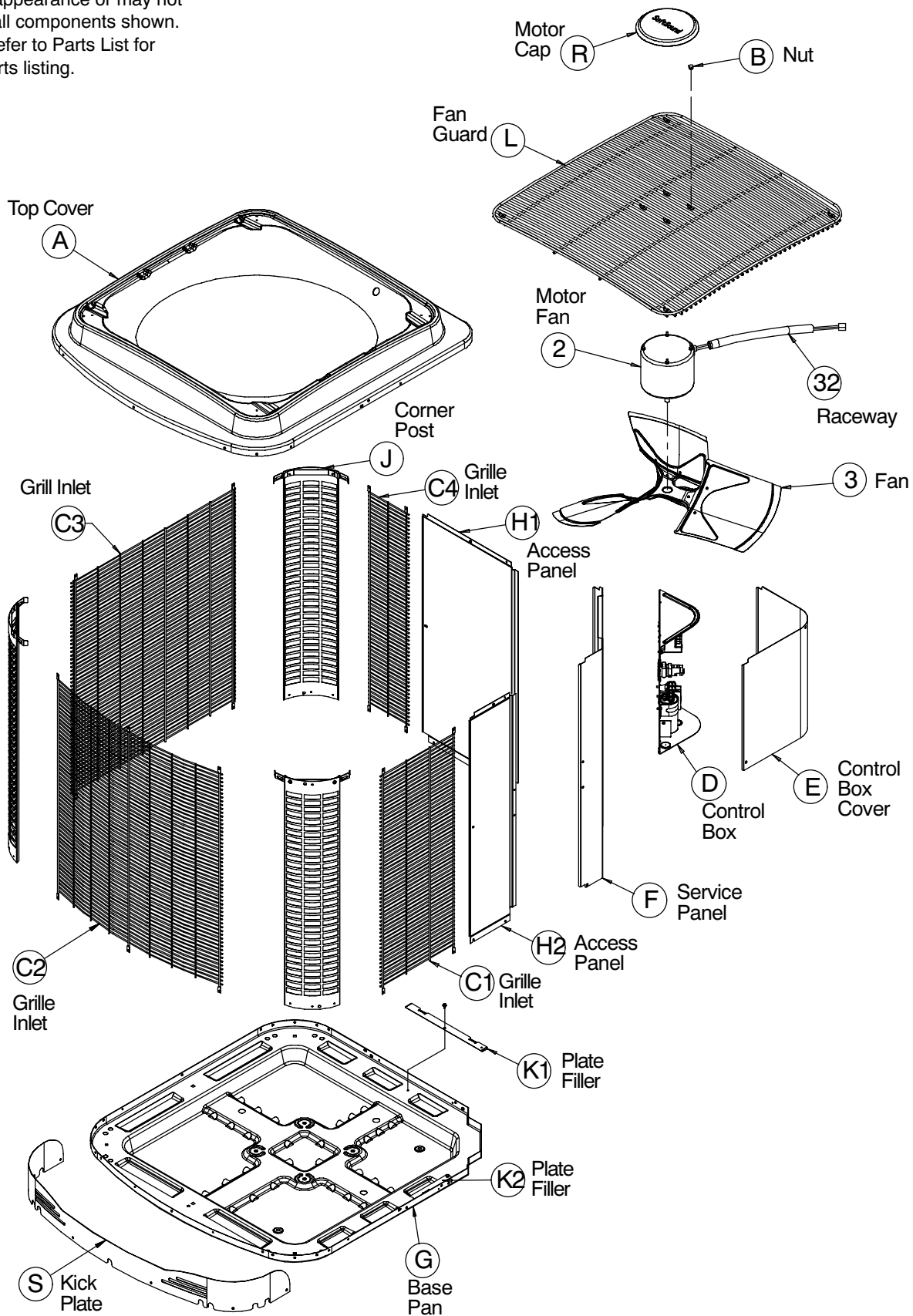
> Indicates Tested Indoor Model

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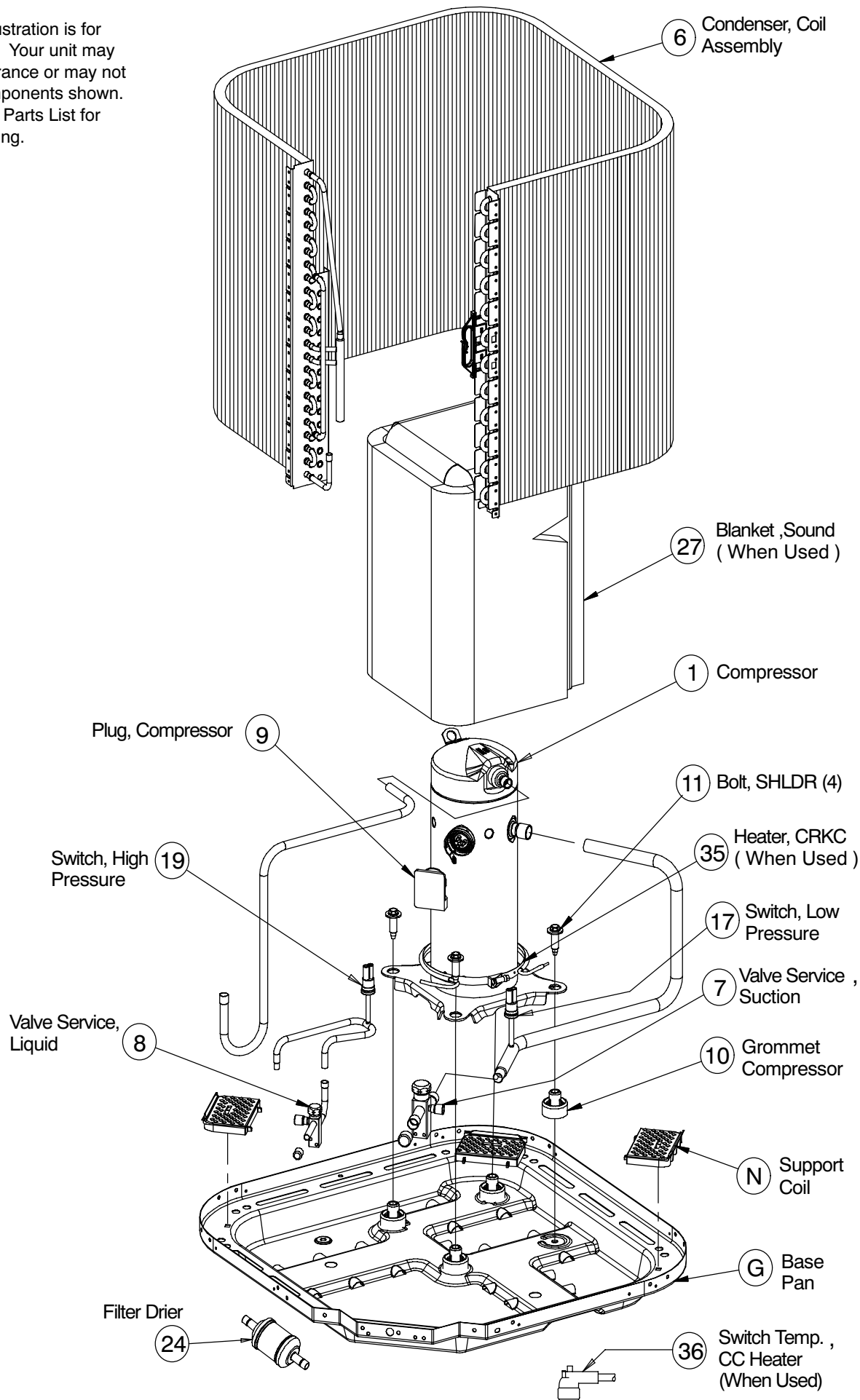
COOLING Multiplying Factors for other Indoor Combinations (continued)											
Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Furnace Model	Capac. (MBh)	Power (AMPS)
EHD4X42A**		0.98	0.98	EP*48F****	*8MPV075	0.96	0.99	FS(M,U)4X48***		1.00	1.00
EHD4X42A**	*8MPV100	0.99	0.94	EP*48J****		0.98	1.00	FVM4X48****		1.01	0.93
EHD4X42A**	*8MPV125	0.99	0.96	EP*48J****	*8MPV100	0.99	0.98				
(C,H,T)4A448											
>ED*4X60L**		1.00	1.00	EHD4X48A**	MV20N26****	0.99	0.97	EXX*48J****		0.96	0.98
EBV48****		1.00	0.98	EHD4X60A**		1.00	1.00	EXX*48L****		0.96	0.98
EBV60****		1.01	0.99	EHD4X60A**	*8MPV125	1.00	0.98	EXX*48N****		0.96	0.98
EBXX48****		0.98	1.00	EHD4X60A**	*9MPV125	1.00	0.98	EXX*48N****	MV20N26****	0.98	0.98
EBXX60****		1.00	1.03	EHD4X60A**	MV16J22****	1.00	0.96	EXX*60L****		1.00	1.00
ED*4X48F**		0.95	0.97	EHD4X60A**	MV20N26****	1.00	0.96	EXX*60L****	*9MPV125	1.00	1.00
ED*4X48J**		0.97	0.99	EL*60J****		0.96	0.98	EXX*60N****		1.00	1.00
ED*4X48J**	MV16J22****	0.99	0.97	EL*60J****	MV16J22****	0.97	0.97	EXX*60N****	MV20N26****	1.02	0.98
ED*4X48L**		0.97	0.99	EMA4X48D**		0.97	0.99	FEM4X48****		1.00	0.98
ED*4X60J**		1.00	1.00	EP*48N****	MV20N26****	0.96	0.96	FEM4X60****		1.01	0.97
ED*4X60J**	*8MPV125	1.01	0.99	EP*60J****		0.96	0.98	FS(M,U)4X48***		0.98	1.00
ED*4X60J**	MV16J22****	1.00	0.96	EP*60J****	MV16J22****	0.98	0.98	FS(M,U)4X60***		1.00	1.00
ED*4X60J**	*8MPV100	1.01	0.97	EP*60L****		0.96	0.98	FVM4X48****		0.99	0.95
EHD4X48A**		0.97	0.97	EP*60N****		0.96	0.98	FVM4X60****		1.00	0.92
EHD4X48A**	MV16J22****	0.99	0.97	EP*60N****	MV20N26****	0.98	0.96				
EHD4X60A**	*8MPV125	1.00	0.98	EXX*48N****		0.96	0.98				
(C,H,T)4A460											
>ED*4X60L**		1.00	1.00	EHD4X60A**	MV20N26****	1.03	0.99	EXX*60N****		1.01	1.02
EBP60****		0.98	1.03	EP*60J****	*8MPV125	0.96	0.99	EXX*60N****	MV20N26****	1.02	0.98
EBV60****		1.01	0.98	EP*60J****	MV16J22****	0.97	0.98	FEM4X60****		1.01	0.98
EBXX60****		1.00	1.02	EP*60N****	MV20N26****	0.97	0.98	FS(M,U)4X60***		0.99	1.01
ED*4X60J**		0.98	0.98	EXX*60L****		1.01	1.02	FVM4X60****		1.01	0.98
EHD4X60A**		1.00	1.00	EXX*60L****	*9MPV125	1.01	1.02				

> Indicates Tested Indoor Model

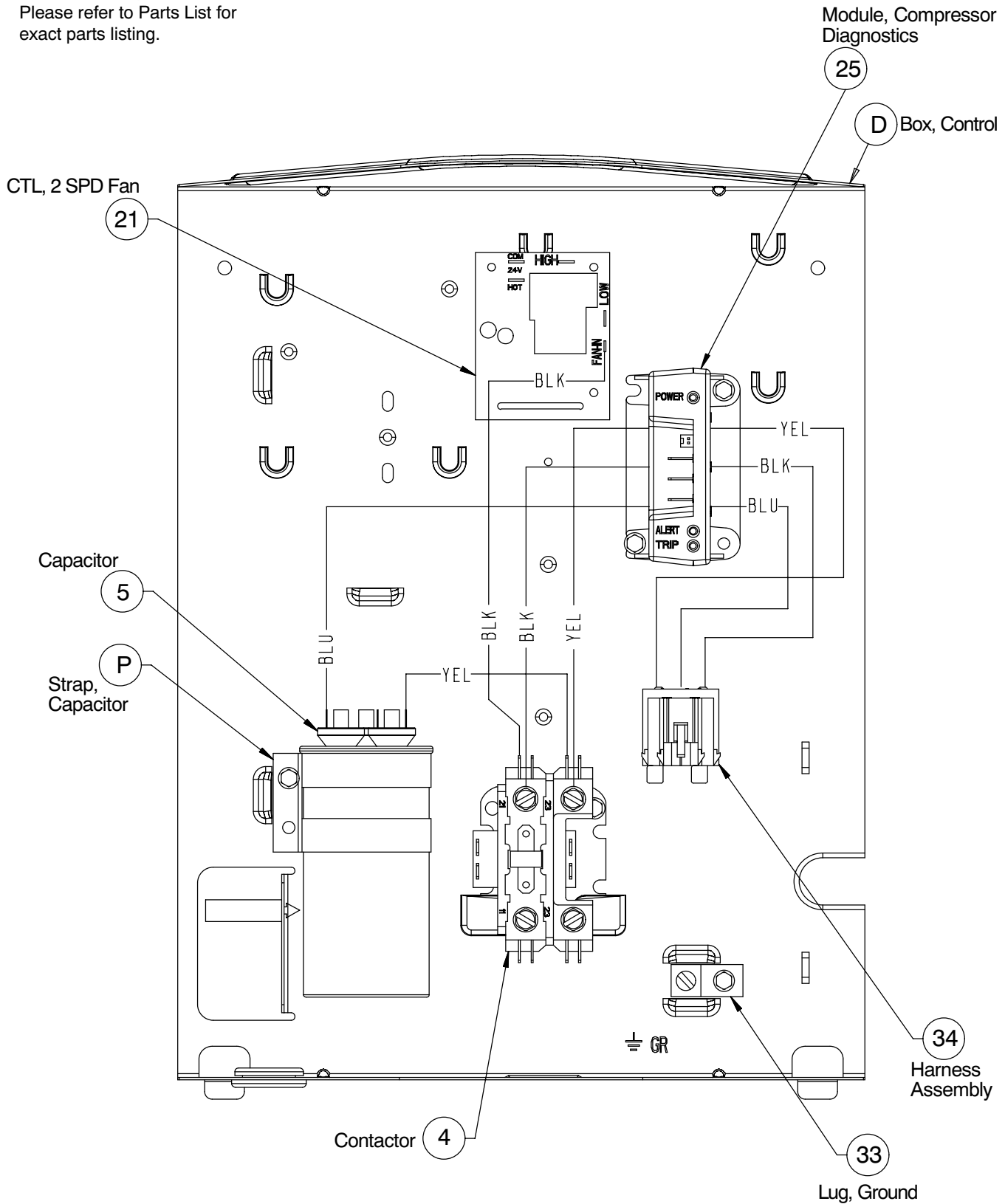
NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown. Please refer to Parts List for exact parts listing.



NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown. Please refer to Parts List for exact parts listing.



NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown. Please refer to Parts List for exact parts listing.



C4A4 PARTS LIST									
KEY NO.	DESCRIPTION	PART NO.	C4A418GKA100	C4A424GKA100	C4A430GKA100	C4A436GKA100	C4A442GKA100	C4A448GKA100	C4A460GKA100
1	Compressor	ZP16K5EPFV130	1	-	-	-	-	-	-
1		ZP20K5EPFV130	-	1		-	-	-	-
1		ZP25K5EPFV130	-	-	1	-	-	-	-
1		ZP31K5EPFV130	-	-	-	1	-	-	-
1		ZP36K5EPFV130	-	-	-	-	1	-	-
1		ZP42K5EPFV130	-	-	-	-	-	1	-
1		ZP51K5EPFV130	-	-	-	-	-	-	1
2	Motor, Condenser Fan	1173773	1	1	-	-	-	-	-
2		1173774	-	-	1	-	-	-	-
2		1173776	-	-	-	1	1	-	-
2		1173779	-	-	-	-	-	1	1
3	Fan Blade	1173787	1	1	-	-	-	-	-
3		1173790	-	-	1	-	-	-	-
3		1173661	-	-	-	1	1	-	-
3		1172716	-	-	-	-	-	1	1
4	Contactor, 30 Amp	1172472	1	1	1	1	1	1	-
4	40 Amp	1172786	-	-	-	-	-	-	1
5	Capacitor, 370V 30+5 Mfd	1172109	1	-	-	-	-	-	-
5	370V 35+5 Mfd	1172110	-	1	-	-	-	-	-
5	370V 40+5 Mfd	1172147	-	-	1	-	-	-	-
5	370V 45+5 Mfd	1172124	-	-	-	1	1	-	-
5	370V 70+7.5 Mfd	1172295	-	-	-	-	-	1	1
6	Condenser Coil	1173964	1	1	-	-	-	-	-
6		1173983	-	-	1	1	-	-	-
6		1173985	-	-	-	-	1	1	1
7	Service Valve, Suction	1172725	1	1	-	-	-	-	-
7		1172726	-	-	1	1	-	-	-
7		1172727	-	-	-	-	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1	1	1	1
9	Plug, Compressor Harness	1174682	1	1	1	1	-	-	-
9		1174685	-	-	-	-	1	1	-
9		1174686	-	-	-	-	-	-	1
10	Isolator, Vibration	1172271	4	4	4	4	-	-	-
10	Grommet, Compressor	1171270	-	-	-	-	4	4	4
11	Nut, Hex Washer Face 5/16-18	1174289	4	4	4	4	-	-	-
11	Bolt, Compressor Mounting	1173630	-	-	-	-	4	4	4
17	Switch, Low Pressure	1174683	1	1	1	1	1	1	1
19	Switch, High Pressure	1174684	1	1	1	1	1	1	1

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C4A4 PARTS LIST									
KEY NO.	DESCRIPTION	PART NO.	C4A418GKA100	C4A424GKA100	C4A430GKA100	C4A436GKA100	C4A442GKA100	C4A448GKA100	C4A460GKA100
20	Distributor	1173667	-	-	-	-	1	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1	1	1	1
24	Drier	1174195	1	1	1	1	1	1	-
24		1174196	-	-	-	-	-	-	1
25	Module, Comfort Alert	1173907	1	1	1	1	1	1	1
27	Blanket, Compressor Sound	1172015	1	1	1	1	-	-	-
27		1172014	-	-	-	-	1	1	1
32	Raceway	1173908	1	1	-	-	-	-	-
32		1173664	-	-	1	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1	1	1	1
34	Harness Assy Plug and Play	1173909	1	1	1	-	-	-	-
34		1173920	-	-	-	1	1	1	-
34		1173951	-	-	-	-	-	-	1
A	Panel, Top	1173910	1	1	-	-	-	-	-
A		1173924	-	-	1	1	1	1	1
B	Nut, Hex	1172217	4	4	4	4	4	4	4
C1	Grille, Inlet	1173965	1	1	-	-	-	-	-
C1		1173945	-	-	1	1	-	-	-
C1		1173925	-	-	-	-	1	1	1
C2	Grille, Inlet	1173967	1	1	-	-	-	-	-
C2		1173981	-	-	1	1	-	-	-
C2		1173928	-	-	-	-	1	1	1
C3	Grille, Inlet	1173966	1	1	-	-	-	-	-
C3		1173946	-	-	1	1	-	-	-
C3		1173926	-	-	-	-	1	1	1
C4	Grille, Inlet	1173947	-	-	1	1	-	-	-
C4		1173927	-	-	-	-	1	1	1
D	Box, Control	1172753	1	1	1	1	1	1	1
E	Cover, Control Box	1174065	1	1	1	1	1	1	1
F	Panel, Service	1174077	1	1	-	-	-	-	-
F		1174080	-	-	1	1	-	-	-
F		1174085	-	-	-	-	1	1	1
G	Pan, Base	1174076	1	1	-	-	-	-	-
G		1174081	-	-	1	1	1	1	1
H	Panel, Access	1173968	1	1	-	-	-	-	-
H1	Panel, Access	1173948	-	-	1	1	-	-	-
H1		1173929	-	-	-	-	1	1	1

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C4A4 PARTS LIST								
KEY NO.	DESCRIPTION	PART NO.	C4A418GKA100	C4A424GKA100	C4A430GKA100	C4A436GKA100	C4A442GKA100	C4A448GKA100
H2	Panel, Access	1173984	-	-	1	1	-	-
H2		1173930	-	-	-	-	1	1
J	Post, Corner	1173969	2	2	-	-	-	-
J		1173915	-	-	3	3	-	-
J		1173931	-	-	-	-	3	3
K	Plate, Filler	1173916	1	1	-	-	-	-
K1	Plate, Filler	1173932	-	-	1	1	1	1
K2	Plate, Filler	1173933	-	-	1	1	1	1
L	Guard, Fan	1173917	1	1	-	-	-	-
L		1173934	-	-	1	1	1	1
N	Support, Coil	1174068	4	4	4	4	5	5
P	Strap, Capacitor	1172734	1	1	1	1	1	-
P		1172735	-	-	-	-	-	1
R	Cap Assy Heil	1174025	1	1	1	1	1	1
)(	Manual, Installation	42101510001	1	1	1	1	1	1
)(	Manual, Owners	42102500000	1	1	1	1	1	1
)(	Warranty	40106401002	1	1	1	1	1	1

H4A4 PARTS LIST								
KEY NO.	DESCRIPTION	PART NO.	H4A418GKA100	H4A424GKA100	H4A430GKA100	H4A436GKA100	H4A442GKA100	H4A448GKA100
1	Compressor	ZP16K5EPFV130	1	-	-	-	-	-
1		ZP20K5EPFV130	-	1	-	-	-	-
1		ZP25K5EPFV130	-	-	1	-	-	-
1		ZP31K5EPFV130	-	-	-	1	-	-
1		ZP36K5EPFV130	-	-	-	-	1	-
1		ZP42K5EPFV130	-	-	-	-	-	1
1		ZP51K5EPFV130	-	-	-	-	-	1
2	Motor, Condenser Fan	1173773	1	1	-	-	-	-
2		1173774	-	-	1	-	-	-
2		1173776	-	-	-	1	1	-
2		1173779	-	-	-	-	-	1
3	Fan Blade	1173787	1	1	-	-	-	-
3		1173790	-	-	1	-	-	-
3		1173661	-	-	-	1	1	-
3		1172716	-	-	-	-	-	1
4	Contactor, 30 Amp	1172472	1	1	1	1	1	-
4	40 Amp	1172786	-	-	-	-	-	1
5	Capacitor, 370V 30+5 Mfd	1172109	1	-	-	-	-	-
5	370V 35+5 Mfd	1172110	-	1	-	-	-	-
5	370V 40+5 Mfd	1172147	-	-	1	-	-	-
5	370V 45+5 Mfd	1172124	-	-	-	1	1	-
5	370V 70+7.5 Mfd	1172295	-	-	-	-	-	1
6	Condenser Coil	1173964	1	1	-	-	-	-
6		1173983	-	-	1	1	-	-
6		1173985	-	-	-	-	1	1
7	Service Valve, Suction	1172725	1	1	-	-	-	-
7		1172726	-	-	1	1	-	-
7		1172727	-	-	-	-	1	1
8	Service Valve, Liquid	1172728	1	1	1	1	1	1
9	Plug, Compressor Harness	1174682	1	1	1	1	-	-
9		1174685	-	-	-	-	1	1
9		1174686	-	-	-	-	-	1
10	Isolator, Vibration	1172271	4	4	4	4	-	-
10	Grommet, Compressor	1171270	-	-	-	-	4	4
11	Nut, Hex Washer Face 5/16-18	1174289	4	4	4	4	-	-
11	Bolt, Compressor Mounting	1173630	-	-	-	-	4	4
17	Switch, Low Pressure	1174683	1	1	1	1	1	1
19	Switch, High Pressure	1174684	1	1	1	1	1	1

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H4A4 PARTS LIST								
KEY NO.	DESCRIPTION	PART NO.	H4A418GKA100	H4A424GKA100	H4A430GKA100	H4A436GKA100	H4A442GKA100	H4A448GKA100
20	Distributor	1173667	-	-	-	-	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1	1	1
24	Drier	1174195	1	1	1	1	1	1
24		1174196	-	-	-	-	-	1
25	Module, Comfort Alert	1173907	1	1	1	1	1	1
27	Blanket, Compressor Sound	1172015	1	1	1	1	-	-
27		1172014	-	-	-	-	1	1
32	Raceway	1173908	1	1	-	-	-	-
32		1173664	-	-	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1	1	1
34	Harness Assy Plug and Play	1173909	1	1	1	-	-	-
34		1173920	-	-	-	1	1	1
34		1173951	-	-	-	-	-	1
A	Panel, Top	1174019	1	1	-	-	-	-
A		1174026	-	-	1	1	1	1
B	Nut, Hex	1172217	4	4	4	4	4	4
C1	Grille, Inlet	1174037	1	1	-	-	-	-
C1		1174046	-	-	1	1	-	-
C1		1174027	-	-	-	-	1	1
C2	Grille, Inlet	1174039	1	1	-	-	-	-
C2		1174049	-	-	1	1	-	-
C2		1174030	-	-	-	-	1	1
C3	Grille, Inlet	1174038	1	1	-	-	-	-
C3		1174047	-	-	1	1	-	-
C3		1174028	-	-	-	-	1	1
C4	Grille, Inlet	1174048	-	-	1	1	-	-
C4		1174029	-	-	-	-	1	1
D	Box, Control	1172753	1	1	1	1	1	1
E	Cover, Control Box	1174065	1	1	1	1	1	1
F	Panel, Service	1174077	1	1	-	-	-	-
F		1174080	-	-	1	1	-	-
F		1174085	-	-	-	-	1	1
G	Pan, Base	1174076	1	1	-	-	-	-
G		1174081	-	-	1	1	1	1
H	Panel, Access	1173968	1	1	-	-	-	-
H1	Panel, Access	1173948	-	-	1	1	-	-
H1		1173929	-	-	-	-	1	1
H2	Panel, Access	1173984	-	-	1	1	-	-

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H4A4 PARTS LIST								
KEY NO.	DESCRIPTION	PART NO.	H4A418GKA100	H4A424GKA100	H4A430GKA100	H4A436GKA100	H4A442GKA100	H4A448GKA100
H2		1173930	-	-	-	-	1	1
J	Post, Corner	1174040	2	2	-	-	-	-
J		1174023	-	-	3	3	-	-
J		1174031	-	-	-	-	3	3
K	Plate, Filler	1173916	1	1	-	-	-	-
K1	Plate, Filler	1173932	-	-	1	1	1	1
K2	Plate, Filler	1173933	-	-	1	1	1	1
L	Guard, Fan	1174024	1	1	-	-	-	-
L		1174032	-	-	1	1	1	1
N	Support, Coil	1174068	4	4	4	4	5	5
P	Strap, Capacitor	1172734	1	1	1	1	1	-
P		1172735	-	-	-	-	-	1
R	Cap Assy Heil	1174025	1	1	1	1	1	1
)(	Manual, Installation	42101510001	1	1	1	1	1	1
)(	Manual, Owners	42102500000	1	1	1	1	1	1
)(	Warranty	40106401002	1	1	1	1	1	1

T4A4 PARTS LIST									
KEY NO.	DESCRIPTION	PART NO.	T4A418GKA100	T4A424GKA100	T4A430GKA100	T4A436GKA100	T4A442GKA100	T4A448GKA100	T4A460GKA100
1	Compressor	ZP16K5EPFV130	1	-	-	-	-	-	-
1		ZP20K5EPFV130	-	1	-	-	-	-	-
1		ZP25K5EPFV130	-	-	1	-	-	-	-
1		ZP31K5EPFV130	-	-	-	1	-	-	-
1		ZP36K5EPFV130	-	-	-	-	1	-	-
1		ZP42K5EPFV130	-	-	-	-	-	1	-
1		ZP51K5EPFV130	-	-	-	-	-	-	1
2	Motor, Condenser Fan	1173773	1	1	-	-	-	-	-
2		1173774	-	-	1	-	-	-	-
2		1173776	-	-	-	1	1	-	-
2		1173779	-	-	-	-	-	1	1
3	Fan Blade	1173787	1	1	-	-	-	-	-
3		1173790	-	-	1	-	-	-	-
3		1173661	-	-	-	1	1	-	-
3		1172716	-	-	-	-	-	1	1
4	Contactor, 30 Amp	1172472	1	1	1	1	1	1	-
4	40 Amp	1172786	-	-	-	-	-	-	1
5	Capacitor, 370V 30+5 Mfd	1172109	1	-	-	-	-	-	-
5	370V 35+5 Mfd	1172110	-	1	-	-	-	-	-
5	370V 40+5 Mfd	1172147	-	-	1	-	-	-	-
5	370V 45+5 Mfd	1172124	-	-	-	1	1	-	-
5	370V 70+7.5 Mfd	1172295	-	-	-	-	-	1	1
6	Condenser Coil	1173964	1	1	-	-	-	-	-
6		1173983	-	-	1	1	-	-	-
6		1173985	-	-	-	-	1	1	1
7	Service Valve, Suction	1172725	1	1	-	-	-	-	-
7		1172726	-	-	1	1	-	-	-
7		1172727	-	-	-	-	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1	1	1	1
9	Plug, Compressor Harness	1174682	1	1	1	1	-	-	-
9		1174685	-	-	-	-	1	1	-
9		1174686	-	-	-	-	-	-	1
10	Isolator, Vibration	1172271	4	4	4	4	-	-	-
10	Grommet, Compressor	1171270	-	-	-	-	4	4	4
11	Nut, Hex Washer Face 5/16-18	1174289	4	4	4	4	-	-	-
11	Bolt, Compressor Mounting	1173630	-	-	-	-	4	4	4
17	Switch, Low Pressure	1174683	1	1	1	1	1	1	1
19	Switch, High Pressure	1174684	1	1	1	1	1	1	1

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T4A4 PARTS LIST									
KEY NO.	DESCRIPTION	PART NO.	T4A418GKA100	T4A424GKA100	T4A430GKA100	T4A436GKA100	T4A442GKA100	T4A448GKA100	T4A460GKA100
20	Distributor	1173667	-	-	-	-	1	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1	1	1	1
24	Drier	1174195	1	1	1	1	1	1	-
24		1174196	-	-	-	-	-	-	1
25	Module, Comfort Alert	1173907	1	1	1	1	1	1	1
27	Blanket, Compressor Sound	1172015	1	1	1	1	-	-	-
27		1172014	-	-	-	-	1	1	1
32	Raceway	1173908	1	1	-	-	-	-	-
32		1173664	-	-	1	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1	1	1	1
34	Harness Assy Plug and Play	1173909	1	1	1	-	-	-	-
34		1173920	-	-	-	1	1	1	-
34		1173951	-	-	-	-	-	-	1
A	Panel, Top	1174102	1	1	-	-	-	-	-
A		1174110	-	-	1	1	1	1	1
B	Nut, Hex	1172217	4	4	4	4	4	4	4
C1	Grille, Inlet	1174131	1	1	-	-	-	-	-
C1		1174123	-	-	1	1	-	-	-
C1		1174111	-	-	-	-	1	1	1
C2	Grille, Inlet	1174133	1	1	-	-	-	-	-
C2		1174126	-	-	1	1	-	-	-
C2		1174114	-	-	-	-	1	1	1
C3	Grille, Inlet	1174132	1	1	-	-	-	-	-
C3		1174124	-	-	1	1	-	-	-
C3		1174112	-	-	-	-	1	1	1
C4	Grille, Inlet	1174125	-	-	1	1	-	-	-
C4		1174113	-	-	-	-	1	1	1
D	Box, Control	1172753	1	1	1	1	1	1	1
E	Cover, Control Box	1174065	1	1	1	1	1	1	1
F	Panel, Service	1174077	1	1	-	-	-	-	-
F		1174080	-	-	1	1	-	-	-
F		1174085	-	-	-	-	1	1	1
G	Pan, Base	1174076	1	1	-	-	-	-	-
G		1174081	-	-	1	1	1	1	1
H	Panel, Access	1173968	1	1	-	-	-	-	-
H1	Panel, Access	1173948	-	-	1	1	-	-	-
H1		1173929	-	-	-	-	1	1	1
H2	Panel, Access	1173984	-	-	1	1	-	-	-

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T4A4 PARTS LIST								
KEY NO.	DESCRIPTION	PART NO.	T4A418GKA100	T4A424GKA100	T4A430GKA100	T4A436GKA100	T4A442GKA100	T4A448GKA100
H2		1173930	-	-	-	-	1	1
J	Post, Corner	1174134	2	2	-	-	-	-
J		1174106	-	-	3	3	-	-
J		1174115	-	-	-	-	3	3
K	Plate, Filler	1173916	1	1	-	-	-	-
K1	Plate, Filler	1173932	-	-	1	1	1	1
K2	Plate, Filler	1173933	-	-	1	1	1	1
L	Guard, Fan	1174107	1	1	-	-	-	-
L		1174116	-	-	1	1	1	1
N	Support, Coil	1174068	4	4	4	4	5	5
P	Strap, Capacitor	1172734	1	1	1	1	1	-
P		1172735	-	-	-	-	-	1
R	Cap Assy Heil	1174025	1	1	1	1	1	1
S	Kickplate	1174109	1	1	-	-	-	-
S		1174117	-	-	1	1	1	1
)	Manual, Installation	42101510001	1	1	1	1	1	1
)	Manual, Owners	42102500000	1	1	1	1	1	1
)	Warranty	40106401002	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:	H	4	A	4	18	A	K	A	1	0	0
Product Family	REFRIGERANT			TYPE							
2 = R-22											
4 = R-410A											
A = Air Conditioner											
H = Heat Pump											
3 = 13 SEER											
4 = 14 SEER											
5 = 15 SEER											
6 = 16 SEER											
7 = 17 SEER											
8 = 18 SEER											
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											
A = Standard Grille											
G = Coil Guard Grille											
C = Coastal											
K = 208/230-1-60											
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	01	01	CH
N = Non-Branded	BRANDING							
A = Accessory								
S = Split System (AC & HP)								
A = Original								
B = 2nd Generation								
0 = Generic or Not Applicable								
2 = R-22								
4 = R-410A								
Product Identifier Number								
Package Quantity								
Type of Kit (Example: CH = Crankcase Heater)								