TECHNICAL SUPPORT MANUAL
Split System Air Conditioner
(C,H,T)4A(6,8) Two–Stage

Safety Labeling and Signal Words

DANGER, WARNING, CAUTION, and NOTE

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

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

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

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

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

Signal Words in Manuals

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

⚠ WARNING

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

⚠ CAUTION

Signal Words on Product Labeling

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

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MODELS

C4A624GKD200	H4A624GKD200	T4A624GKD200
C4A836GKD200	H4A836GKD200	T4A836GKD200
C4A648GKD200	H4A648GKD200	T4A648GKD200
C4A660GKD300	H4A660GKD300	T4A660GKD300

⚠ WARNING

DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD

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

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

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

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

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**	**6**	**24**	**G**	**K**	**D**	**1**	**0**	**0**

Product Family

4 = R-410A **REFRIGERANT**

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

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

24 = 24,000 BTUH = 2 tons
36 = 36,000 BTUH = 3 tons
48 = 48,000 BTUH = 4 tons
60 = 60,000 BTUH = 5 tons **NOMINAL CAPACITY**

A = Standard Grille
G = Coil Guard Grille **FEATURES**

K = 208/230-1-60 **VOLTAGE**

Sales Code

Engineering Revision

Extra Digit

Extra Digit

ACCESSORIES PART NUMBER IDENTIFICATION GUIDE

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

N = Non-Branded **BRANDING**

A = Accessory **PRODUCT GROUP**

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

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

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

Product Identifier Number

Package Quantity

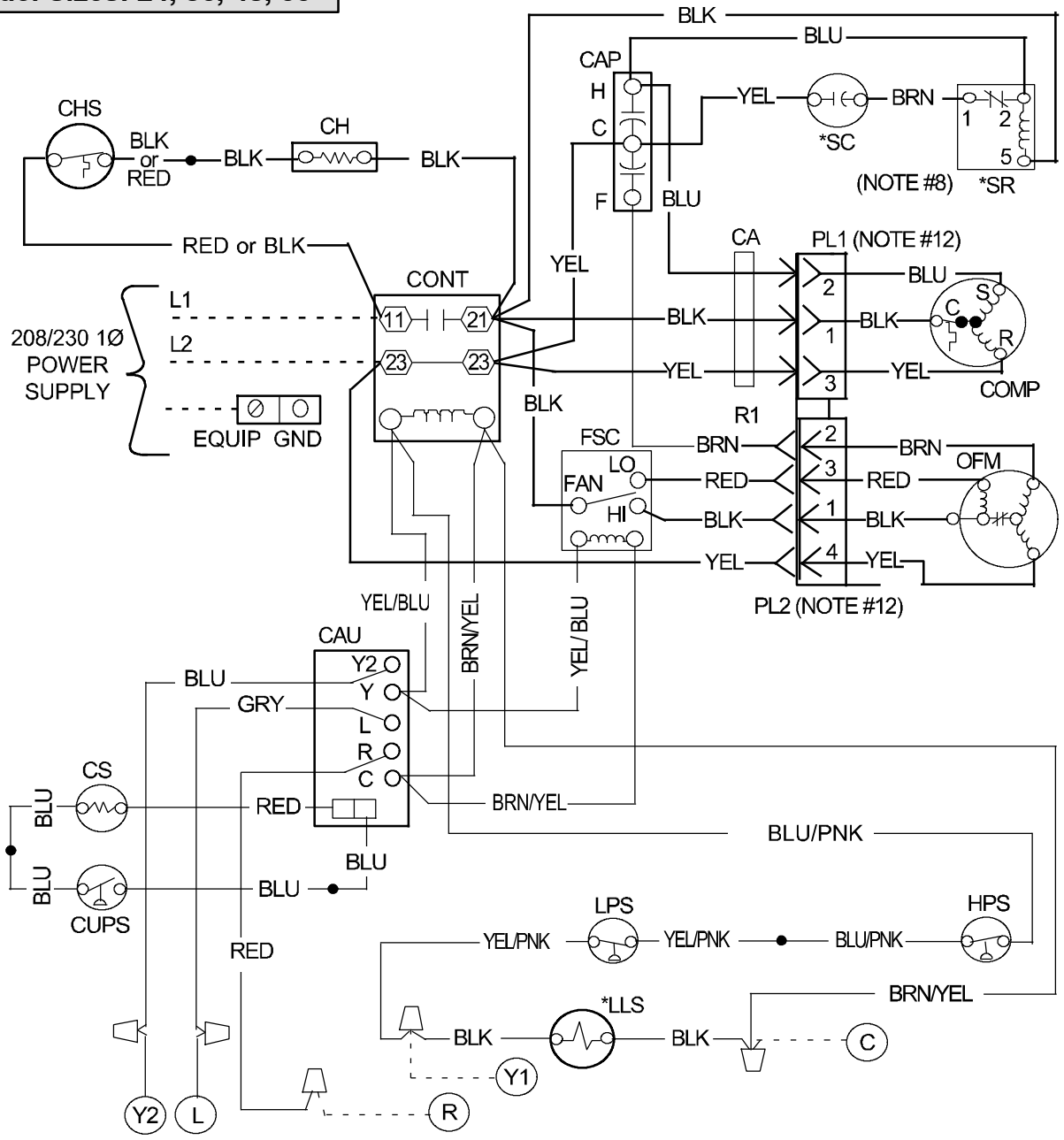
Type of Kit (Example: CH = Crankcase Heater)

R-410A QUICK REFERENCE GUIDE

- R-410A refrigerant operates at 50% - 70% higher pressures than R-22. Be sure that servicing equipment and replacement components are designed to operate with R-410A.
- R-410A refrigerant cylinders are rose colored.
- Recovery cylinder service pressure rating must be 400 psig, DOT 4BA400 or DOT BW400.
- R-410A systems should be charged with liquid refrigerant. Use a commercial type metering device in the manifold hose when charging into suction line with compressor operating.
- Manifold sets should be 750 psig high-side and 200 psig low-side with 520 psig low-side retard.
- Use hoses with 750 psig service pressure rating.
- Leak detectors should be designed to detect HFC refrigerant.
- R-410A, as with other HFC refrigerants, is only compatible with POE oils.
- Vacuum pumps will not remove moisture from oil.
- Do not use liquid line filter-driers with rated working pressures less than 600 psig.
- Do not install a suction line filter-drier in liquid line.
- POE oils absorb moisture rapidly. Do not expose oil to atmosphere.
- POE oils may cause damage to certain plastics and roofing materials.
- Wrap all filter-driers and service valves with wet cloth when brazing.
- A liquid line filter-drier is required on every unit.
- Do not use with an R-22 TXV.
- If indoor unit is equipped with an R-22 TXV, it must be changed to an R-410A TXV.
- Never open system to atmosphere while it is under a vacuum.
- When system must be opened for service, break vacuum with dry nitrogen and replace all filter-driers. Evacuate to 500 microns before recharging.
- Do not vent R-410A into the atmosphere.
- Do not use capillary tube indoor coils.
- Observe all **WARNINGS**, **CAUTIONS, NOTES,** and **bold** text.

Model Sizes: 24, 36, 48, 60

CONNECTION DIAGRAM

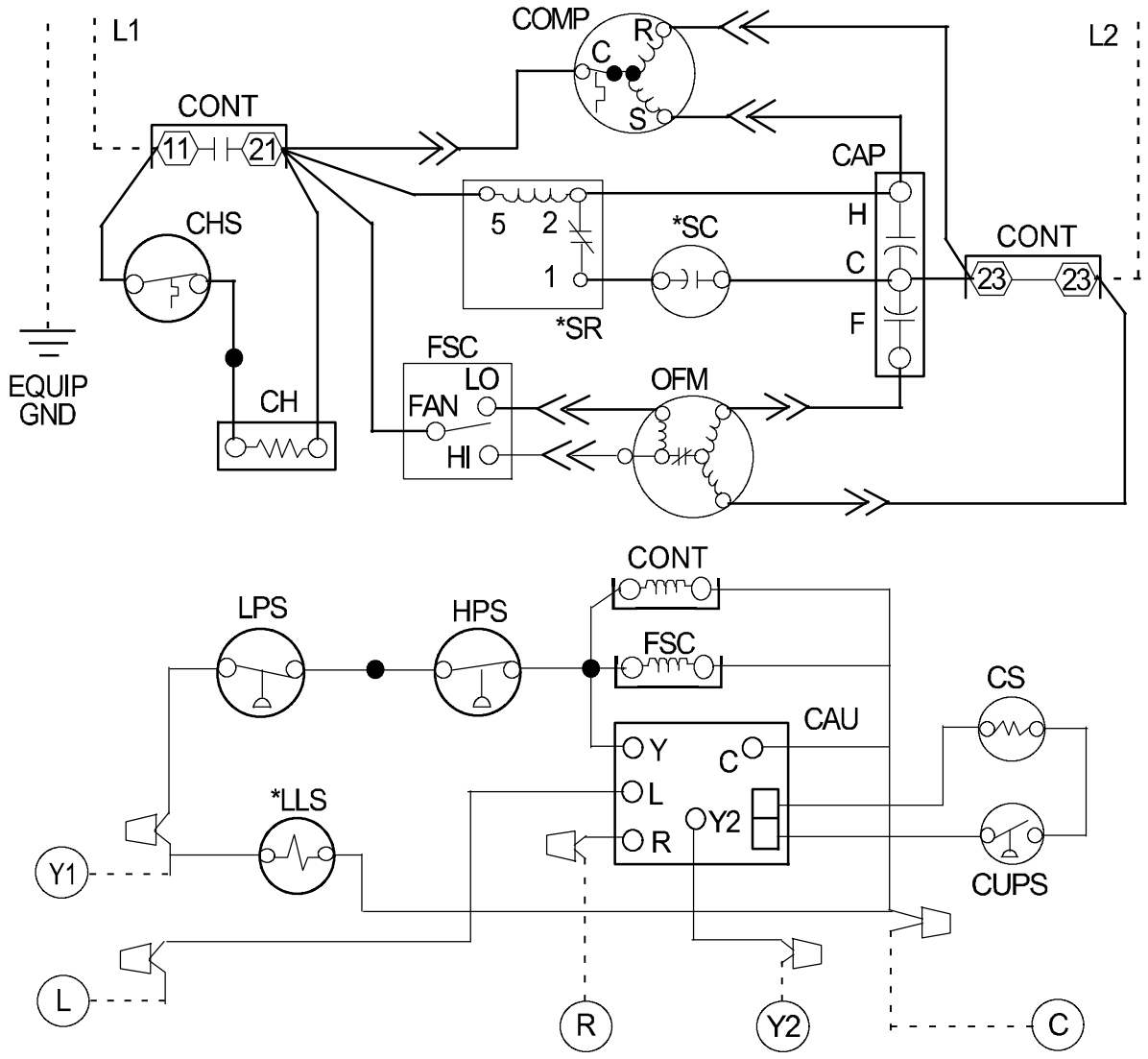


1. Symbols are electrical representation only.
2. Compressor and fan motor furnished with inherent thermal protection.
3. To be wired in accordance with National Electric N.E.C. and local codes.
4. N.E.C. class 2, 24 V circuit, min. 40 VA required, 60 VA on units installed with LLS.
5. Use copper conductors 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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Model Sizes: 24, 36, 48, 60

SCHEMATIC DIAGRAM (LADDER FORM)



LEGEND

———	FACTORY POWER WIRING
———	FACTORY CONTROL WIRING
- - -	FIELD CONTROL WIRING
- - -	FIELD POWER WIRING
○	COMPONENT CONNECTION
	FIELD SPLICE
—●—	JUNCTION
—≪—	PLUG RECEPTACLE
CAU	COMFORT ALERT ULTRATECH
CONT	CONTACTOR
CAP	CAPACITOR (DUAL RUN)

CH	CRANKCASE HEATER
CHS	CRANKCASE HEATER SWITCH
COMP	COMPRESSOR
CS	COMPRESSOR SOLENOID
CUPS	COMPRESSOR UNLOADER
	PRESSURE 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
*SC	START CAPACITOR
*SR	START RELAY

*** MAY BE FIELD INSTALLED**

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R-410A CHARGING CHART

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

MULTIPLYING FACTORS

(Refer to pages 6-9)

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25 foot (7.62m) 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		24 Size Outdoor With FVM4X36**** Indoor Cooling - Low Stage																							
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																							
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
480	MBh†	21.47	19.26	17.68	17.28	16.42	20.40	18.28	16.78	16.39	15.73	19.28	17.25	15.82	15.45	15.00	18.09	16.16	14.80	14.46	14.21	16.81	14.99	13.70	13.41	13.36
	S/T‡	0.49	0.65	0.68	0.85	1.00	0.50	0.67	0.70	0.87	1.00	0.51	0.69	0.72	0.91	1.00	0.52	0.71	0.75	0.94	1.00	0.54	0.74	0.78	0.99	1.00
	AMPS*	4.43	4.37	4.33	4.32	4.29	5.04	4.99	4.94	4.93	4.92	5.73	5.68	5.64	5.63	5.62	6.53	6.48	6.44	6.43	6.43	7.50	7.44	7.41	7.40	7.39
	HI PR	253	250	248	247	246	294	291	288	287	286	339	336	333	332	331	390	386	383	382	382	447	443	439	439	439
	LO PR	156	143	134	132	127	158	145	136	134	130	160	148	138	136	133	163	150	141	138	137	166	153	143	141	141
560	MBh†	22.21	19.93	18.30	17.90	17.42	21.08	18.89	17.34	16.96	16.67	19.89	17.80	16.32	15.99	15.88	18.63	16.64	15.24	15.03	15.03	17.28	15.41	14.09	14.12	14.12
	S/T‡	0.50	0.68	0.71	0.89	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.72	0.76	0.96	1.00	0.54	0.75	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00
	AMPS*	4.48	4.42	4.37	4.36	4.35	5.09	5.03	4.99	4.98	4.97	5.77	5.72	5.68	5.67	5.67	6.58	6.52	6.48	6.48	6.48	7.54	7.48	7.44	7.44	7.44
	HI PR	254	251	249	248	248	295	292	289	289	288	341	337	334	333	333	392	387	384	384	384	449	444	441	441	441
	LO PR	160	147	138	136	133	162	149	140	138	136	164	152	142	140	139	167	154	144	143	143	170	156	146	147	147
640	MBh†	22.79	20.44	18.78	18.42	18.27	21.60	19.36	17.77	17.48	17.47	20.36	18.22	16.71	16.63	16.63	19.04	17.02	15.59	15.73	15.73	17.64	15.73	14.39	14.75	14.75
	S/T‡	0.51	0.71	0.74	0.93	1.00	0.53	0.73	0.76	1.00	1.00	0.54	0.76	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.58	0.83	0.86	1.00	1.00
	AMPS*	4.53	4.46	4.41	4.40	4.40	5.13	5.07	5.02	5.02	5.02	5.81	5.76	5.71	5.71	5.71	6.61	6.56	6.52	6.52	6.52	7.57	7.52	7.48	7.49	7.49
	HI PR	255	252	250	249	249	296	293	290	289	289	342	338	335	335	335	392	388	385	385	385	450	445	441	443	443
	LO PR	163	151	141	139	138	165	152	143	141	141	168	154	145	144	144	170	157	147	148	148	172	159	149	152	152
720	MBh†	23.24	20.85	19.17	19.02	19.01	22.01	19.73	18.12	18.16	18.16	20.73	18.55	17.02	17.27	17.27	19.37	17.31	15.86	16.32	16.32	17.92	15.99	14.63	15.29	15.29
	S/T‡	0.53	0.74	0.77	1.00	1.00	0.54	0.76	0.79	1.00	1.00	0.56	0.79	0.83	1.00	1.00	0.58	0.83	0.86	1.00	1.00	0.60	0.87	0.91	1.00	1.00
	AMPS*	4.57	4.50	4.45	4.45	4.45	5.17	5.11	5.06	5.06	5.06	5.85	5.79	5.75	5.76	5.76	6.65	6.59	6.55	6.56	6.56	7.61	7.55	7.51	7.53	7.53
	HI PR	256	253	250	250	250	297	293	291	291	291	342	338	335	336	336	393	389	386	387	387	450	446	442	444	444
	LO PR	166	153	143	143	143	168	155	145	146	146	170	157	147	149	149	172	159	149	152	152	175	161	151	156	156

COOLING		24 Size Outdoor With FVM4X36**** Indoor Cooling - High Stage Both Y and Y2 must be energized																							
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																							
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																							
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
600	MBh†	28.41	25.79	23.92	23.43	22.16	27.11	24.60	22.81	22.35	21.31	25.75	23.35	21.65	21.21	20.42	24.32	22.03	20.41	20.00	19.46	22.79	20.62	19.08	18.71	18.43
	S/T‡	0.50	0.67	0.70	0.86	1.00	0.51	0.68	0.71	0.88	1.00	0.52	0.70	0.73	0.91	1.00	0.53	0.71	0.74	0.94	1.00	0.54	0.74	0.77	0.97	1.00
	AMPS*	6.37	6.28	6.22	6.20	6.16	7.11	7.02	6.95	6.94	6.90	7.92	7.82	7.75	7.74	7.70	8.84	8.73	8.66	8.64	8.61	9.90	9.78	9.70	9.68	9.67
	HI PR	263	260	257	257	255	306	302	299	298	297	353	348	345	344	343	405	400	397	396	395	464	459	456	455	454
	LO PR	152	139	130	127	121	154	141	132	129	124	157	144	134	132	127	159	146	136	134	131	162	149	139	137	135
700	MBh†	29.28	26.59	24.66	24.18	23.37	27.90	25.32	23.48	23.03	22.45	26.46	24.00	22.25	21.84	21.49	24.95	22.61	20.95	20.59	20.45	23.35	21.13	19.56	19.34	19.34
	S/T‡	0.52	0.70	0.72	0.91	1.00	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.76	0.96	1.00	0.55	0.75	0.78	0.99	1.00	0.56	0.78	0.81	1.00	1.00
	AMPS*	6.45	6.35	6.29	6.27	6.24	7.18	7.09	7.02	7.00	6.98	8.00	7.90	7.82	7.81	7.79	8.91	8.80	8.73	8.71	8.70	9.97	9.85	9.77	9.76	9.76
	HI PR	265	261	259	258	257	307	303	300	299	299	354	350	346	346	345	406	402	398	398	397	465	461	457	456	456
	LO PR	156	143	134	131	127	158	145	136	133	130	161	148	138	136	134	163	150	140	138	137	166	152	142	141	141
800	MBh†	29.95	27.19	25.23	24.78	24.39	28.50	25.87	24.00	23.60	23.41	27.00	24.49	22.71	22.39	22.38	25.43	23.04	21.36	21.28	21.28	23.77	21.51	19.92	20.10	20.11
	S/T‡	0.53	0.72	0.75	0.95	1.00	0.54	0.74	0.77	0.97	1.00	0.55	0.76	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.58	0.82	0.85	1.00	1.00
	AMPS*	6.52	6.42	6.35	6.34	6.32	7.25	7.15	7.08	7.07	7.06	8.06	7.96	7.89	7.88	7.87	8.98	8.87	8.79	8.79	8.79	10.04	9.92	9.83	9.85	9.85
	HI PR	266	262	259	259	258	308	304	301	300	300	355	351	347	347	347	407	403	399	399	399	467	462	458	458	458
	LO PR	160	147	137	135	133	162	149	139	137	136	164	151	141	139	139	166	153	143	143	143	169	155	145	147	147
900	MBh†	30.47	27.67	25.68	25.41	25.26	28.98	26.30	24.41	24.22	24.22	27.43	24.87	23.08	23.14	23.14	25.80	23.38	21.68	21.98	21.99	24.09	21.80	20.20	20.75	20.75
	S/T‡	0.54	0.75	0.78	0.97	1.00	0.56	0.78	0.80	1.00	1.00	0.57	0.80	0.83	1.00	1.00	0.58	0.83	0.86	1.00	1.00	0.60	0.86	0.89	1.00	1.00
	AMPS*	6.58	6.48	6.41	6.39	6.40	7.31	7.21	7.14	7.14	7.14	8.13	8.02	7.95	7.95	7.95	9.04	8.93	8.85	8.87	8.87	10.10	9.98	9.89	9.93	9.93
	HI PR	266	263	260	260	260	309	305	302	302	302	356	351	348	348	348	408	404	400	401	401	467	462	459	460	460
	LO PR	163	149	139	138	138	164	151	141	141	141	167	153	143	144	144	169	155	145	147	147	171	157	147	151	151

COOLING		36 Size Outdoor With FVM4X60**** Indoor Cooling - Low Stage																					
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																					
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																					
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
720	MBh†	31.40	28.19	25.92	25.31	24.35	29.59	26.54	24.38	23.80	23.18	27.76	24.86	22.82	22.28	21.98	25.89	23.15	21.23	20.75	20.74	23.96	21.38	19.57	19.44	19.44
	S/T‡	0.49	0.66	0.69	0.87	1.00	0.50	0.68	0.71	0.90	1.00	0.51	0.70	0.73	0.93	1.00	0.52	0.73	0.76	1.00	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	5.87	5.90	5.94	5.94	5.96	6.70	6.75	6.80	6.81	6.83	7.62	7.70	7.76	7.78	7.79	8.68	8.78	8.87	8.89	8.89	9.92	10.05	10.16	10.16	10.16
	HI PR	256	252	250	249	248	296	292	289	289	288	339	335	333	332	331	387	383	380	379	379	440	435	432	432	432
	LO PR	161	148	138	136	132	163	150	140	138	135	166	153	143	140	139	168	155	145	143	143	171	158	147	147	147
840	MBh†	32.44	29.13	26.79	26.18	25.82	30.51	27.37	25.16	24.61	24.54	28.57	25.60	23.51	23.24	23.24	26.60	23.80	21.82	21.90	21.90	24.57	21.94	20.09	20.50	20.50
	S/T‡	0.50	0.69	0.72	0.92	1.00	0.52	0.71	0.75	0.99	1.00	0.53	0.74	0.77	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.80	0.84	1.00	1.00
	AMPS*	5.90	5.93	5.97	5.97	5.98	6.73	6.78	6.82	6.83	6.84	7.64	7.72	7.78	7.79	7.79	8.70	8.80	8.88	8.88	8.88	9.93	10.06	10.17	10.14	10.14
	HI PR	257	254	251	250	250	297	293	290	290	290	341	337	334	333	333	389	384	381	381	381	441	437	433	434	434
	LO PR	165	152	142	140	138	168	154	144	142	142	170	156	146	145	145	172	159	148	149	149	175	161	151	153	153
960	MBh†	33.24	29.85	27.46	27.07	27.07	31.23	28.01	25.75	25.70	25.70	29.20	26.16	24.03	24.31	24.31	27.15	24.28	22.28	22.88	22.88	25.04	22.36	20.48	21.39	21.39
	S/T‡	0.52	0.73	0.76	1.00	1.00	0.53	0.75	0.78	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.57	0.81	0.85	1.00	1.00	0.59	0.85	0.89	1.00	1.00
	AMPS*	5.94	5.97	6.00	6.00	6.00	6.76	6.81	6.85	6.85	6.85	7.67	7.75	7.81	7.80	7.80	8.73	8.82	8.91	8.88	8.88	9.96	10.03	10.19	10.13	10.13
	HI PR	258	254	252	251	251	298	294	291	291	291	342	337	334	335	335	390	385	382	383	383	442	437	434	436	436
	LO PR	169	155	145	144	144	171	157	147	147	147	173	159	149	151	151	175	162	151	155	155	178	164	153	159	159
1080	MBh†	33.87	30.42	28.00	28.15	28.15	31.78	28.52	26.22	26.70	26.70	29.69	26.60	24.45	25.23	25.23	27.57	24.67	22.65	23.72	23.72	25.40	22.69	20.81	22.14	22.14
	S/T‡	0.54	0.76	0.79	1.00	1.00	0.55	0.79	0.82	1.00	1.00	0.57	0.82	0.85	1.00	1.00	0.59	0.86	0.89	1.00	1.00	0.62	0.90	0.93	1.00	1.00
	AMPS*	5.98	6.01	6.04	6.03	6.03	6.80	6.84	6.89	6.87	6.87	7.71	7.78	7.84	7.81	7.81	8.76	8.85	8.93	8.89	8.89	9.99	10.11	10.21	10.13	10.13
	HI PR	259	255	252	253	253	299	295	292	292	292	342	338	335	336	336	390	386	383	384	384	443	438	435	437	437
	LO PR	172	158	148	149	149	174	160	149	152	152	176	162	151	155	155	178	164	153	159	159	180	166	155	163	163

COOLING		36 Size Outdoor With FVM4X60**** Indoor Cooling - High Stage Both Y and Y2 must be energized																					
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																					
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																					
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
900	MBh†	42.76	38.67	35.75	34.98	32.97	40.76	36.83	34.03	33.29	31.67	38.71	34.93	32.25	31.54	30.31	36.56	32.95	30.38	29.71	28.88	34.29	30.85	28.41	27.78	27.36
	S/T‡	0.49	0.65	0.68	0.84	1.00	0.50	0.67	0.70	0.87	1.00	0.51	0.69	0.72	0.91	1.00	0.53	0.72	0.75	0.94	1.00	0.54	0.75	0.78	0.99	1.00
	AMPS*	9.51	9.33	9.20	9.17	9.09	10.52	10.34	10.21	10.18	10.10	11.62	11.43	11.29	11.26	11.20	12.83	12.63	12.49	12.46	12.41	14.19	13.98	13.82	13.79	13.76
	HI PR	271	267	263	263	260	313	308	304	303	301	359	353	349	348	347	409	403	399	398	396	463	457	453	451	451
	LO PR	154	141	131	129	123	156	143	134	131	126	159	146	136	134	129	161	148	138	136	133	164	151	141	138	137
1050	MBh†	44.18	39.97	36.97	36.18	34.91	42.07	38.01	35.14	34.39	33.50	39.88	36.00	33.25	32.55	32.03	37.62	33.90	31.27	30.65	30.49	35.23	31.69	29.19	28.85	28.85
	S/T‡	0.50	0.68	0.71	0.89	1.00	0.52	0.70	0.73	0.92	1.00	0.53	0.73	0.76	0.96	1.00	0.55	0.75	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00
	AMPS*	9.65	9.47	9.34	9.31	9.25	10.66	10.47	10.34	10.31	10.27	11.76	11.57	11.42	11.39	11.37	12.97	12.77	12.62	12.59	12.58	14.33	14.11	13.95	13.94	13.94
	HI PR	273	268	265	264	263	315	310	306	305	304	361	355	351	350	349	411	405	400	399	399	465	459	454	454	454
	LO PR	159	146	136	133	129	161	148	138	135	132	163	150	140	138	136	165	152	142	140	139	168	154	144	143	143
1200	MBh†	45.28	40.97	37.90	37.14	36.55	43.07	38.92	35.98	35.29	35.05	40.78	36.81	34.01	33.48	33.48	38.42	34.62	31.95	31.84	31.84	35.93	32.32	29.79	30.09	30.09
	S/T‡	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.76	0.97	1.00	0.55	0.76	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.59	0.83	0.86	1.00	1.00
	AMPS*	9.78	9.59	9.46	9.43	9.40	10.79	10.60	10.46	10.43	10.42	11.89	11.69	11.54	11.52	11.52	13.10	12.89	12.74	12.74	12.74	14.45	14.23	14.07	14.10	14.10
	HI PR	274	270	266	265	265	316	311	307	306	306	362	356	352	352	352	412	406	402	402	402	467	460	455	456	456
	LO PR	162	149	139	137	135	164	151	141	139	138	166	153	143	141	141	169	155	145	145	145	171	157	147	149	149
1350	MBh†	46.14	41.75	38.64	38.01	37.96	43.85	39.62	36.65	36.37	36.37	41.48	37.44	34.60	34.71	34.71	39.04	35.18	32.48	32.98	32.98	36.47	32.82	30.26	31.15	31.15
	S/T‡	0.53	0.74	0.77	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.57	0.80	0.83	1.00	1.00	0.58	0.83	0.86	1.00	1.00	0.61	0.87	0.90	1.00	1.00
	AMPS*	9.91	9.71	9.57	9.55	9.55	10.91	10.71	10.57	10.56	10.56	12.01	11.80	11.66	11.67	11.67	13.22	13.01	12.85	12.88	12.88	14.57	14.34	14.18	14.24	14.24
	HI PR	275	271	267	266	266	317	312	308	308	308	363	358	353	354	354	413	407	403	404	404	468	461	457	458	458
	LO PR	165	152	142	140	140	167	154	143	143	143	169	156	145	146	146	171	158	147	150	150	173	160	149	153	153

COOLING		48 Size Outdoor With FVM4X60**** Indoor Cooling - Low Stage																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
960	MBh†	42.28	37.96	34.90	34.10	32.73	40.16	36.03	33.11	32.35	31.34	37.94	34.01	31.23	30.52	29.88	35.60	31.88	29.24	28.59	28.33	33.12	29.60	27.11	26.65	26.65
	S/T‡	0.50	0.68	0.71	0.89	1.00	0.51	0.69	0.72	0.91	1.00	0.52	0.71	0.74	0.93	1.00	0.52	0.72	0.75	0.96	1.00	0.53	0.74	0.78	1.00	1.00
	AMPS*	8.80	8.84	8.88	8.90	8.92	9.89	9.96	10.02	10.04	10.06	11.10	11.20	11.29	11.31	11.33	12.49	12.62	12.73	12.76	12.77	14.10	14.27	14.41	14.43	14.43
	HI PR	256	253	250	250	249	296	293	290	290	289	341	337	334	334	333	390	386	383	382	382	443	439	436	435	435
	LO PR	159	146	136	134	130	161	148	138	136	133	163	150	140	138	136	165	152	142	140	139	168	155	145	143	143
1120	MBh†	43.64	39.19	36.03	35.25	34.65	41.39	37.14	34.13	33.42	33.15	39.05	35.00	32.15	31.57	31.57	36.59	32.75	30.05	29.89	29.89	33.98	30.36	27.82	28.08	28.08
	S/T‡	0.52	0.71	0.74	0.94	1.00	0.53	0.73	0.76	0.96	1.00	0.53	0.74	0.77	1.00	1.00	0.54	0.76	0.80	1.00	1.00	0.56	0.79	0.82	1.00	1.00
	AMPS*	8.89	8.92	8.96	8.97	8.98	9.97	10.03	10.09	10.10	10.11	11.17	11.26	11.35	11.36	11.36	12.55	12.67	12.78	12.79	12.79	14.16	14.32	14.46	14.43	14.43
	HI PR	257	254	251	251	250	297	294	291	291	290	342	338	335	335	335	391	387	384	384	384	445	440	437	437	437
	LO PR	163	150	140	138	136	165	152	142	140	139	167	154	144	142	142	169	156	146	146	146	172	158	148	149	149
1280	MBh†	44.68	40.12	36.90	36.31	36.28	42.33	37.98	34.92	34.67	34.67	39.89	35.75	32.85	32.98	32.98	37.33	33.41	30.67	31.20	31.20	34.62	30.94	28.36	29.28	29.28
	S/T‡	0.54	0.75	0.78	1.00	1.00	0.54	0.76	0.79	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.56	0.80	0.84	1.00	1.00	0.58	0.83	0.87	1.00	1.00
	AMPS*	8.97	9.00	9.04	9.05	9.04	10.04	10.10	10.16	10.16	10.16	11.24	11.33	11.41	11.40	11.40	12.61	12.74	12.84	12.82	12.82	14.22	14.37	14.51	14.46	14.46
	HI PR	258	254	252	252	252	298	295	292	292	292	343	339	336	336	336	392	388	385	385	385	446	441	438	439	439
	LO PR	167	153	143	142	142	168	155	145	144	144	170	157	147	148	148	172	159	149	151	151	175	161	151	155	155
1440	MBh†	45.50	40.85	37.59	37.67	37.67	43.07	38.64	35.53	35.97	35.97	40.54	36.34	33.40	34.19	34.19	37.90	33.93	31.16	32.31	32.31	35.11	31.39	28.79	30.29	30.29
	S/T‡	0.55	0.78	0.81	1.00	1.00	0.56	0.80	0.83	1.00	1.00	0.57	0.82	0.85	1.00	1.00	0.59	0.85	0.88	1.00	1.00	0.60	0.88	0.91	1.00	1.00
	AMPS*	9.06	9.09	9.12	9.12	9.12	10.13	10.18	10.24	10.23	10.23	11.32	11.40	11.49	11.46	11.46	12.69	12.81	12.91	12.86	12.86	14.28	14.44	14.57	14.49	14.49
	HI PR	258	255	252	253	253	299	295	293	293	293	344	340	337	338	338	393	389	385	387	387	446	442	438	440	440
	LO PR	169	156	146	146	146	171	157	147	149	149	173	159	149	152	152	175	161	151	155	155	177	163	153	159	159

COOLING		48 Size Outdoor With FVM4X60**** Indoor Cooling - High Stage Both Y and Y2 must be energized																								
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																								
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																								
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1200	MBh†	54.27	49.09	45.39	44.42	41.92	53.09	47.99	44.35	43.40	41.30	51.67	46.67	43.10	42.18	40.51	49.97	45.08	41.59	40.70	39.51	47.92	43.16	39.78	38.94	38.26
	S/T‡	0.49	0.66	0.68	0.85	1.00	0.50	0.67	0.70	0.87	1.00	0.51	0.69	0.72	0.90	1.00	0.52	0.71	0.74	0.93	1.00	0.53	0.73	0.76	0.96	1.00
	AMPS*	13.09	12.88	12.73	12.69	12.60	14.40	14.19	14.04	14.01	13.92	15.84	15.62	15.47	15.43	15.36	17.43	17.21	17.04	17.00	16.95	19.21	18.97	18.80	18.76	18.72
	HI PR	269	265	262	262	260	312	307	304	303	301	358	353	350	349	347	409	403	399	398	397	464	458	454	453	452
	LO PR	152	140	130	128	122	155	142	132	130	124	157	144	134	132	128	159	146	136	134	131	162	149	139	137	135
1400	MBh†	55.97	50.63	46.83	45.85	44.27	54.68	49.43	45.70	44.76	43.58	53.15	48.00	44.35	43.46	42.70	51.32	46.29	42.73	41.92	41.60	49.15	44.25	40.80	40.23	40.23
	S/T‡	0.50	0.68	0.71	0.89	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.72	0.75	0.95	1.00	0.54	0.74	0.77	0.98	1.00	0.55	0.77	0.80	1.00	1.00
	AMPS*	13.32	13.10	12.95	12.91	12.85	14.63	14.42	14.26	14.23	14.18	16.07	15.85	15.69	15.65	15.62	17.66	17.43	17.26	17.23	17.21	19.44	19.20	19.02	19.00	19.00
	HI PR	271	267	264	263	262	313	309	305	305	303	360	355	351	350	349	411	405	401	400	400	466	460	455	455	455
	LO PR	157	144	134	132	128	159	146	136	134	131	161	148	138	136	134	163	150	140	138	137	166	152	142	141	141
1600	MBh†	57.27	51.81	47.93	47.01	46.25	55.89	50.52	46.72	45.88	45.49	54.26	49.00	45.28	44.55	44.53	52.34	47.21	43.58	43.34	43.34	50.06	45.07	41.56	41.87	41.87
	S/T‡	0.52	0.71	0.74	0.94	1.00	0.53	0.73	0.76	0.96	1.00	0.54	0.75	0.78	1.00	1.00	0.56	0.78	0.81	1.00	1.00	0.57	0.81	0.84	1.00	1.00
	AMPS*	13.54	13.31	13.16	13.12	13.09	14.85	14.63	14.47	14.44	14.42	16.29	16.06	15.89	15.87	15.86	17.88	17.64	17.47	17.46	17.46	19.66	19.41	19.22	19.25	19.25
	HI PR	272	268	265	264	263	315	310	306	306	305	361	356	352	351	351	412	406	402	402	402	467	461	457	457	457
	LO PR	160	147	138	136	134	162	149	139	137	136	164	151	141	139	139	166	153	143	143	143	169	155	145	146	146
1800	MBh†	58.28	52.72	48.78	48.05	47.94	56.83	51.37	47.51	47.10	47.11	55.12	49.78	46.01	46.08	46.08	53.12	47.91	44.24	44.81	44.81	50.75	45.70	42.15	43.26	43.26
	S/T‡	0.53	0.74	0.77	0.99	1.00	0.54	0.76	0.79	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.57	0.82	0.85	1.00	1.00	0.59	0.85	0.88	1.00	1.00
	AMPS*	13.74	13.52	13.35	13.33	13.33	15.05	14.83	14.66	14.65	14.65	16.49	16.26	16.09	16.10	16.10	18.08	17.84	17.66	17.70	17.70	19.86	19.61	19.42	19.49	19.49
	HI PR	273	269	265	265	265	316	311	307	307	307	362	357	353	353	353	413	407	403	404	404	468	462	458	459	459
	LO PR	163	150	140	139	138	165	152	142	141	141	167	154	143	144	144	169	155	145	147	147	171	158	147	151	151

COOLING		60 Size Outdoor With FVM4X60**** Indoor Cooling - Low Stage																					
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																					
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																					
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1200	MBh†	51.26	46.45	42.98	42.08	40.62	48.90	44.27	40.96	40.10	39.03	46.39	41.98	38.81	38.02	37.34	43.73	39.54	36.53	35.81	35.53	40.88	36.92	34.09	33.58	33.58
	S/T‡	0.51	0.69	0.72	0.90	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.71	0.74	0.94	1.00	0.53	0.73	0.76	0.96	1.00	0.54	0.75	0.78	1.00	1.00
	AMPS*	11.39	11.44	11.49	11.51	11.54	12.80	12.87	12.97	12.99	13.03	14.36	14.49	14.61	14.64	14.66	16.14	16.32	16.47	16.50	16.51	18.20	18.42	18.61	18.63	18.63
	HI PR	260	257	255	254	253	302	298	295	295	294	347	343	340	339	338	396	392	389	388	388	450	445	442	441	441
	LO PR	159	146	136	134	130	161	148	138	136	133	163	150	140	138	136	166	152	142	140	139	168	154	144	143	143
1400	MBh†	52.61	47.70	44.17	43.32	42.75	50.13	45.42	42.03	41.28	41.04	47.50	43.00	39.78	39.22	39.22	44.71	40.44	37.39	37.27	37.27	41.73	37.70	34.83	35.17	35.17
	S/T‡	0.52	0.72	0.75	0.95	1.00	0.53	0.73	0.76	0.97	1.00	0.54	0.75	0.78	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.79	0.82	1.00	1.00
	AMPS*	11.53	11.58	11.63	11.64	11.65	12.93	13.02	13.10	13.11	13.12	14.48	14.61	14.72	14.74	14.73	16.25	16.42	16.57	16.57	16.57	18.30	18.51	18.70	18.66	18.66
	HI PR	261	258	255	255	255	303	299	296	296	295	348	344	341	340	340	397	393	390	390	390	451	447	443	444	444
	LO PR	164	150	140	138	137	165	152	142	140	139	167	154	143	142	142	169	156	145	145	145	172	158	147	149	149
1600	MBh†	53.61	48.64	45.06	44.52	44.52	51.04	46.26	42.84	42.70	42.71	48.32	43.75	40.50	40.77	40.77	45.43	41.11	38.03	38.71	38.71	42.35	38.28	35.39	36.48	36.49
	S/T‡	0.54	0.76	0.78	1.00	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.79	0.82	1.00	1.00	0.57	0.81	0.84	1.00	1.00	0.58	0.84	0.87	1.00	1.00
	AMPS*	11.68	11.72	11.77	11.77	11.77	13.07	13.15	13.23	13.22	13.22	14.61	14.73	14.84	14.83	14.83	16.37	16.54	16.68	16.64	16.64	18.41	18.62	18.80	18.72	18.72
	HI PR	262	259	256	256	256	303	300	297	297	297	349	345	342	342	342	398	394	391	391	391	452	447	444	445	445
	LO PR	167	153	143	142	142	169	155	145	145	145	170	157	146	148	148	172	158	148	151	151	174	161	150	154	154
1800	MBh†	54.38	49.35	45.75	46.02	46.02	51.74	46.90	43.46	44.10	44.11	48.93	44.33	41.06	42.07	42.08	45.96	41.62	38.52	39.91	39.91	42.80	38.73	35.83	37.57	37.57
	S/T‡	0.56	0.79	0.82	1.00	1.00	0.57	0.81	0.84	1.00	1.00	0.58	0.83	0.86	1.00	1.00	0.59	0.85	0.88	1.00	1.00	0.61	0.88	0.91	1.00	1.00
	AMPS*	11.83	11.87	11.91	11.90	11.90	13.22	13.29	13.36	13.34	13.34	14.75	14.86	14.97	14.93	14.93	16.50	16.66	16.80	16.73	16.73	18.52	18.73	18.91	18.80	18.80
	HI PR	262	259	257	257	257	304	300	298	298	298	349	345	342	343	343	399	395	391	393	393	453	448	445	447	447
	LO PR	170	156	145	147	147	171	157	147	149	149	173	159	148	152	152	175	161	150	155	155	177	163	152	159	159

COOLING		60 Size Outdoor With FVM4X60**** Indoor Cooling - High Stage Both Y and Y2 must be energized																					
		Outdoor Ambient Temperature - Degrees F, Dry Bulb																					
		75					85					95					105					115				
		Entering Indoor Temperature - Degrees F, Wet Bulb																					
CFM		72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57	72	67	63††	62	57
1500	MBh†	68.05	61.90	57.43	56.26	53.05	65.80	59.83	55.50	54.36	51.68	63.32	57.55	53.37	52.28	50.13	60.54	55.00	51.00	49.96	48.39	57.41	52.12	48.31	47.35	46.38
	S/T‡	0.50	0.66	0.69	0.85	1.00	0.50	0.67	0.70	0.87	1.00	0.51	0.68	0.71	0.89	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.72	0.75	0.94	1.00
	AMPS*	17.86	17.51	17.25	17.19	17.01	19.43	19.07	18.82	18.76	18.60	21.12	20.75	20.49	20.43	20.30	22.94	22.57	22.29	22.23	22.13	24.92	24.54	24.26	24.20	24.13
	HI PR	278	273	270	269	267	322	316	313	312	309	369	363	359	358	356	420	414	410	409	407	476	469	465	463	462
	LO PR	151	138	129	126	120	153	140	131	128	122	155	142	133	130	126	158	145	135	133	129	161	147	137	135	133
1750	MBh†	69.92	63.64	59.09	57.92	55.82	67.53	61.43	57.02	55.91	54.31	64.89	59.00	54.76	53.72	52.64	61.94	56.30	52.23	51.30	50.74	58.63	53.25	49.39	48.61	48.56
	S/T‡	0.51	0.69	0.72	0.90	1.00	0.51	0.70	0.73	0.92	1.00	0.52	0.72	0.74	0.94	1.00	0.53	0.73	0.76	0.97	1.00	0.54	0.76	0.79	1.00	1.00
	AMPS*	18.28	17.91	17.64	17.58	17.46	19.83	19.46	19.19	19.14	19.04	21.51	21.13	20.86	20.80	20.74	23.32	22.94	22.66	22.61	22.57	25.29	24.91	24.62	24.57	24.57
	HI PR	280	275	271	271	269	323	318	314	313	312	371	365	361	360	359	422	416	411	410	410	478	471	466	465	465
	LO PR	155	142	133	131	126	157	144	134	132	129	160	146	136	134	132	162	149	138	137	135	164	151	141	139	139
2000	MBh†	71.32	64.94	60.33	59.23	58.12	68.80	62.61	58.15	57.16	56.50	66.03	60.06	55.78	54.93	54.70	62.96	57.24	53.14	52.66	52.66	59.51	54.06	50.18	50.33	50.33
	S/T‡	0.52	0.72	0.74	0.94	1.00	0.53	0.73	0.76	0.96	1.00	0.54	0.75	0.78	0.98	1.00	0.55	0.77	0.80	1.00	1.00	0.56	0.80	0.82	1.00	1.00
	AMPS*	18.65	18.28	18.00	17.95	17.88	20.19	19.82	19.55	19.50	19.46	21.86	21.48	21.21	21.17	21.15	23.67	23.29	23.00	22.98	22.98	25.64	25.25	24.96	24.98	24.98
	HI PR	281	276	273	272	271	325	319	315	315	314	372	366	362	361	361	424	417	413	412	412	479	473	468	468	468
	LO PR	159	146	136	134	132	161	148	138	136	134	163	149	139	138	137	165	152	141	141	141	167	154	143	144	144
2250	MBh†	72.38	65.93	61.28	60.38	60.05	69.77	63.51	59.01	58.35	58.33	66.89	60.86	56.54	56.41	56.42	63.72	57.93	53.81	54.25	54.26	60.15	54.67	50.76	51.79	51.79
	S/T‡	0.54	0.74	0.77	0.98	1.00	0.54	0.76	0.79	1.00	1.00	0.55	0.78	0.81	1.00	1.00	0.57	0.81	0.83	1.00	1.00	0.58	0.83	0.86	1.00	1.00
	AMPS*	19.00	18.63	18.35	18.30	18.29	20.55	20.17	19.89	19.86	19.86	22.21	21.82	21.54	21.55	21.55	24.01	23.62	23.33	23.37	23.37	25.97	25.58	25.28	25.37	25.37
	HI PR	282	277	274	273	273	326	320	316	316	316	373	367	363	363	363	425	419	414	414	414	480	474	469	470	470
	LO PR	162	148	138	137	136	164	150	140	139	139	165	152	142	142	142	167	154	144	145	145	170	156	146	149	149

Data for Condenser Only (Cooling)						
Saturated Suction Temperature °F		Condenser Entering Air Temperature °F				
		75	85	95	105	115
(C,H,T)4A624 – Low–Stage						
35	TCG	14.30	13.50	12.70	11.70	10.70
	SDT	81.50	91.30	101.20	111.10	121.00
	KW	0.98	1.12	1.28	1.46	1.67
40	TCG	16.20	15.30	14.40	13.30	12.20
	SDT	82.20	92.10	101.90	111.80	121.70
	KW	0.99	1.13	1.29	1.47	1.69
45	TCG	18.20	17.20	16.20	15.10	13.90
	SDT	83.00	92.90	102.70	112.50	122.50
	KW	1.00	1.15	1.30	1.49	1.70
50	TCG	20.30	19.30	18.20	17.00	15.70
	SDT	83.90	93.70	103.50	113.40	123.30
	KW	1.02	1.16	1.32	1.50	1.71
55	TCG	22.70	21.60	20.40	19.10	17.60
	SDT	84.90	94.60	104.40	114.20	124.10
	KW	1.03	1.17	1.33	1.51	1.73
60	TCG	25.20	24.00	22.70	21.30	19.70
	SDT	85.90	95.60	105.40	115.20	125.00
	KW	1.05	1.19	1.35	1.53	1.74
(C,H,T)4A624 – High–Stage						
30	TCG	19.00	18.10	17.10	16.00	14.80
	SDT	84.80	95.00	105.20	115.60	126.60
	KW	1.39	1.56	1.74	1.94	2.18
35	TCG	21.00	20.00	18.90	17.70	16.40
	SDT	85.80	95.90	106.10	116.50	127.50
	KW	1.41	1.58	1.76	1.96	2.21
40	TCG	23.20	22.10	20.90	19.60	18.20
	SDT	86.70	96.80	107.00	117.50	128.50
	KW	1.43	1.60	1.78	1.99	2.24
45	TCG	25.50	24.40	23.10	21.70	20.20
	SDT	87.80	97.80	108.10	118.50	129.50
	KW	1.45	1.62	1.81	2.02	2.27
50	TCG	28.10	26.80	25.40	23.90	22.30
	SDT	88.90	98.90	109.10	119.60	130.50
	KW	1.48	1.64	1.83	2.05	2.30
60	TCG	33.70	32.20	30.60	28.90	27.00
	SDT	91.30	101.30	111.50	121.80	132.60
	KW	1.53	1.70	1.89	2.11	2.37

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				
		75	85	95	105	115
(C,H,T)4A836 – Low–Stage						
35	TCG	19.80	18.50	17.20	15.80	14.40
	SDT	82.30	91.90	101.50	111.10	120.70
	KW	1.41	1.62	1.86	2.12	2.44
40	TCG	22.20	20.90	19.40	17.90	16.30
	SDT	83.20	92.80	102.30	111.80	121.40
	KW	1.39	1.60	1.83	2.09	2.40
45	TCG	24.90	23.40	21.80	20.20	18.50
	SDT	84.20	93.70	103.10	112.60	122.10
	KW	1.38	1.58	1.81	2.06	2.36
50	TCG	27.90	26.20	24.50	22.70	20.90
	SDT	85.20	94.60	104.00	113.50	122.90
	KW	1.37	1.56	1.78	2.03	2.33
55	TCG	31.00	29.20	27.30	25.40	23.40
	SDT	86.30	95.70	105.00	114.40	123.70
	KW	1.36	1.55	1.76	2.01	2.29
60	TCG	34.40	32.40	30.40	28.30	26.10
	SDT	87.50	96.80	106.10	115.40	124.70
	KW	1.35	1.54	1.75	1.98	2.26
(C,H,T)4A836 – High–Stage						
30	TCG	26.40	24.90	23.40	21.80	20.10
	SDT	86.00	95.60	105.20	114.70	124.30
	KW	2.03	2.25	2.50	2.76	3.06
35	TCG	29.40	27.80	26.20	24.50	22.60
	SDT	87.20	96.70	106.20	115.80	125.30
	KW	2.06	2.29	2.53	2.80	3.10
40	TCG	32.60	31.00	29.20	27.40	25.40
	SDT	88.40	97.90	107.40	116.90	126.40
	KW	2.09	2.32	2.57	2.84	3.15
45	TCG	36.20	34.40	32.50	30.50	28.40
	SDT	89.80	99.20	108.60	118.10	127.50
	KW	2.13	2.36	2.61	2.89	3.19
50	TCG	39.90	38.00	36.00	33.90	31.60
	SDT	91.20	100.60	110.00	119.30	128.70
	KW	2.18	2.41	2.66	2.94	3.25
60	TCG	48.30	46.10	43.80	41.40	38.80
	SDT	94.40	103.60	112.90	122.10	131.40
	KW	2.28	2.51	2.77	3.05	3.36

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				
		75	85	95	105	115
(C,H,T)4A648 - Low-Stage						
35	TCG	27.90	26.40	24.70	22.90	21.00
	SDT	83.00	92.60	102.30	111.90	121.50
	KW	2.10	2.38	2.68	3.03	3.43
40	TCG	31.30	29.70	27.90	25.90	23.80
	SDT	83.90	93.50	103.10	112.70	122.30
	KW	2.08	2.35	2.65	2.99	3.38
45	TCG	35.10	33.30	31.30	29.20	26.90
	SDT	84.90	94.50	104.00	113.60	123.10
	KW	2.06	2.33	2.62	2.95	3.33
50	TCG	39.20	37.10	35.00	32.70	30.20
	SDT	86.00	95.50	105.00	114.50	123.90
	KW	2.05	2.31	2.59	2.91	3.29
55	TCG	43.60	41.40	39.00	36.50	33.80
	SDT	87.20	96.60	106.00	115.40	124.80
	KW	2.04	2.29	2.57	2.88	3.25
60	TCG	48.30	45.90	43.40	40.60	37.70
	SDT	88.40	97.80	107.10	116.50	125.80
	KW	2.04	2.28	2.54	2.85	3.21
(C,H,T)4A648 - High-Stage						
30	TCG	34.80	33.90	32.70	31.30	29.40
	SDT	86.80	96.50	106.10	115.80	125.40
	KW	2.85	3.15	3.47	3.82	4.21
35	TCG	38.70	37.80	36.50	35.00	33.00
	SDT	88.00	97.60	107.20	116.80	126.50
	KW	2.89	3.19	3.51	3.87	4.26
40	TCG	43.00	42.00	40.70	39.00	36.90
	SDT	89.30	98.90	108.40	118.00	127.50
	KW	2.93	3.23	3.56	3.92	4.32
45	TCG	47.60	46.50	45.10	43.40	41.20
	SDT	90.70	100.20	109.70	119.20	128.70
	KW	2.98	3.28	3.61	3.97	4.38
50	TCG	52.50	51.40	49.90	48.10	45.80
	SDT	92.20	101.60	111.00	120.50	129.90
	KW	3.03	3.34	3.67	4.03	4.44
60	TCG	63.60	62.30	60.70	58.60	56.10
	SDT	95.40	104.70	114.00	123.30	132.50
	KW	3.16	3.46	3.80	4.17	4.58

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				
		75	85	95	105	115
(C,H,T)4A660 – Low–Stage						
35	TCG	35.20	33.50	31.60	29.50	27.30
	SDT	84.50	94.10	103.70	113.20	122.70
	KW	2.73	3.09	3.49	3.93	4.43
40	TCG	39.00	37.10	35.10	32.90	30.50
	SDT	85.50	95.00	104.50	114.00	123.50
	KW	2.70	3.06	3.44	3.87	4.36
45	TCG	43.20	41.10	38.90	36.50	33.90
	SDT	86.60	96.00	105.50	114.90	124.30
	KW	2.68	3.02	3.40	3.82	4.30
50	TCG	47.70	45.40	43.00	40.40	37.50
	SDT	87.70	97.10	106.50	115.90	125.20
	KW	2.66	2.99	3.36	3.77	4.24
55	TCG	52.50	50.10	47.40	44.60	41.50
	SDT	88.90	98.30	107.60	116.90	126.10
	KW	2.65	2.97	3.33	3.73	4.18
60	TCG	57.70	55.00	52.20	49.10	45.60
	SDT	90.30	99.50	108.80	118.00	127.10
	KW	2.64	2.95	3.30	3.69	4.13
(C,H,T)4A660 – High–Stage						
30	TCG	45.10	43.50	41.60	39.40	37.00
	SDT	88.60	98.00	107.40	116.80	126.20
	KW	3.84	4.20	4.58	4.98	5.41
35	TCG	49.90	48.10	46.10	43.80	41.10
	SDT	90.00	99.30	108.60	118.00	127.20
	KW	3.91	4.27	4.65	5.06	5.49
40	TCG	55.00	53.10	50.90	48.40	45.60
	SDT	91.40	100.70	110.00	119.20	128.40
	KW	3.98	4.35	4.73	5.14	5.57
45	TCG	60.60	58.50	56.20	53.50	50.40
	SDT	93.00	102.20	111.40	120.50	129.60
	KW	4.07	4.43	4.81	5.22	5.66
50	TCG	66.60	64.40	61.80	59.00	55.70
	SDT	94.70	103.80	112.90	121.90	130.90
	KW	4.16	4.52	4.91	5.31	5.75
60	TCG	80.00	77.40	74.50	71.20	67.40
	SDT	98.40	107.30	116.20	125.00	133.80
	KW	4.38	4.74	5.12	5.53	5.97

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

C4A(6,8) PARTS LIST						
KEY NO.	DESCRIPTION	FAST PARTS NO.	C4A624GKD200	C4A836GKD200	C4A648GKD200	C4A660GKD300
1	Compressor ZPS20K4E-PFV-130	ZPS20K4EPFV130	1	–	–	–
1	ZPS30K4E-PFV-130	ZPS30K4EPFV130	–	1	–	–
1	ZPS40K4E-PFV-130	ZPS40K4EPFV130	–	–	1	–
1	ZPS51K4E-PFV-130	ZPS51K4EPFV130	–	–	–	1
2	Motor, Condenser Fan 1/10 HP	1173774	1	1	–	–
2	1/4 HP	1173779	–	–	1	1
3	Fan Blade, 26” Dia.	1173790	1	1	–	–
3		1172716	–	–	1	1
4	Contactor, 30 Amp	1172472	1	1	1	–
4	40 Amp	1172786	–	–	–	1
5	Capacitor, 370V 35+5 MFD	1172110	1	–	–	–
5	370V 40+5 MFD	1172147	–	1	–	–
5	370V 45+7.5 MFD	1172291	–	–	1	–
5	370V 80+7.5 MFD	1172296	–	–	–	1
6	Condenser Coil	1175050	1	–	–	–
6		1176562	–	1	1	1
7	Service Valve, Suction	1172726	1	–	–	–
7		1172727	–	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1
9	Plug, Compressor Harness	1174685	1	1	1	–
9		1174686	–	–	–	1
10	Grommet, Compressor	1171270	4	4	4	4
11	Bolt, Compressor Mounting	1173630	4	4	4	4
17	Switch, Low Pressure	1177095	1	1	1	1
19a	Switch, High Pressure	1174684	1	1	1	1
19b	Switch, High Pressure	1175138	1	1	1	1
20	Distributor	1173667	1	1	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1
24	Drier	1174195	1	1	1	1
25	Module, Ultratech Control Alert	1175145	1	1	1	1
27	Blanket, Compressor Sound	1175144	1	1	1	–
27		1172014	–	–	–	1
32	Raceway	1175919	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1
35	Heater, Crankcase 40W 240V	1173944	1	1	1	–
35		1173670	–	–	–	1
36	Switch, Temp. CC Htr.	1173669	1	1	1	1
37	Plug, Compressor Solenoid	1175690	1	1	1	1
40	Harness Assy, Plug & Play	1173920	1	1	1	–
40		1173951	–	–	–	1
A	Panel, Top	1178572	1	1	1	1
B	Nut, Hex #8-32 Motor Mounting	1172217	1	1	1	1
C1	Grille Inlet	1178576	1	–	–	–
C1		1178579	–	1	1	1

C4A(6,8) PARTS LIST (continued)						
KEY NO.	DESCRIPTION	FAST PARTS NO.	C4A624GKD200	C4A836GKD200	C4A648GKD200	C4A660GKD300
C2	Grille Inlet	1178577	2	–	–	–
C2		1178580	–	2	2	2
C3	Grille, Inlet	1178578	1	–	–	–
C3		1178581	–	1	1	1
D	Box, Control	1172753	1	1	1	1
E	Cover, Control Box	1178582	1	1	1	1
F	Panel, Service	1178325	1	–	–	–
F		1178326	–	1	1	1
G	Pan, Base	1178309	1	1	1	1
J	Post, Corner	1178574	3	–	–	–
J		1178575	–	3	3	3
L	Guard, Fan	1178573	1	1	1	1
N	Support, Coil	1174068	5	5	5	5
P	Strap, Capacitor	1172734	1	1	1	–
P		1172735	–	–	–	1
R	Cap Assy, Comfortmaker	1175140	1	1	1	1
Parts Not Shown						
)(	Paint Touch-up	1178322	1	1	1	1
)(	Screw Hex Head #10 X 3/8” Gray	1174676	27	27	27	27
)(	Screw Hex Head #10 X 1/2” Gray	1174677	21	21	21	21
)(	Screw Hex Head #12 X 5/8” Gray	1174678	4	4	4	4
)(	Harness Assy Ultratech AC	1175159	1	1	1	1

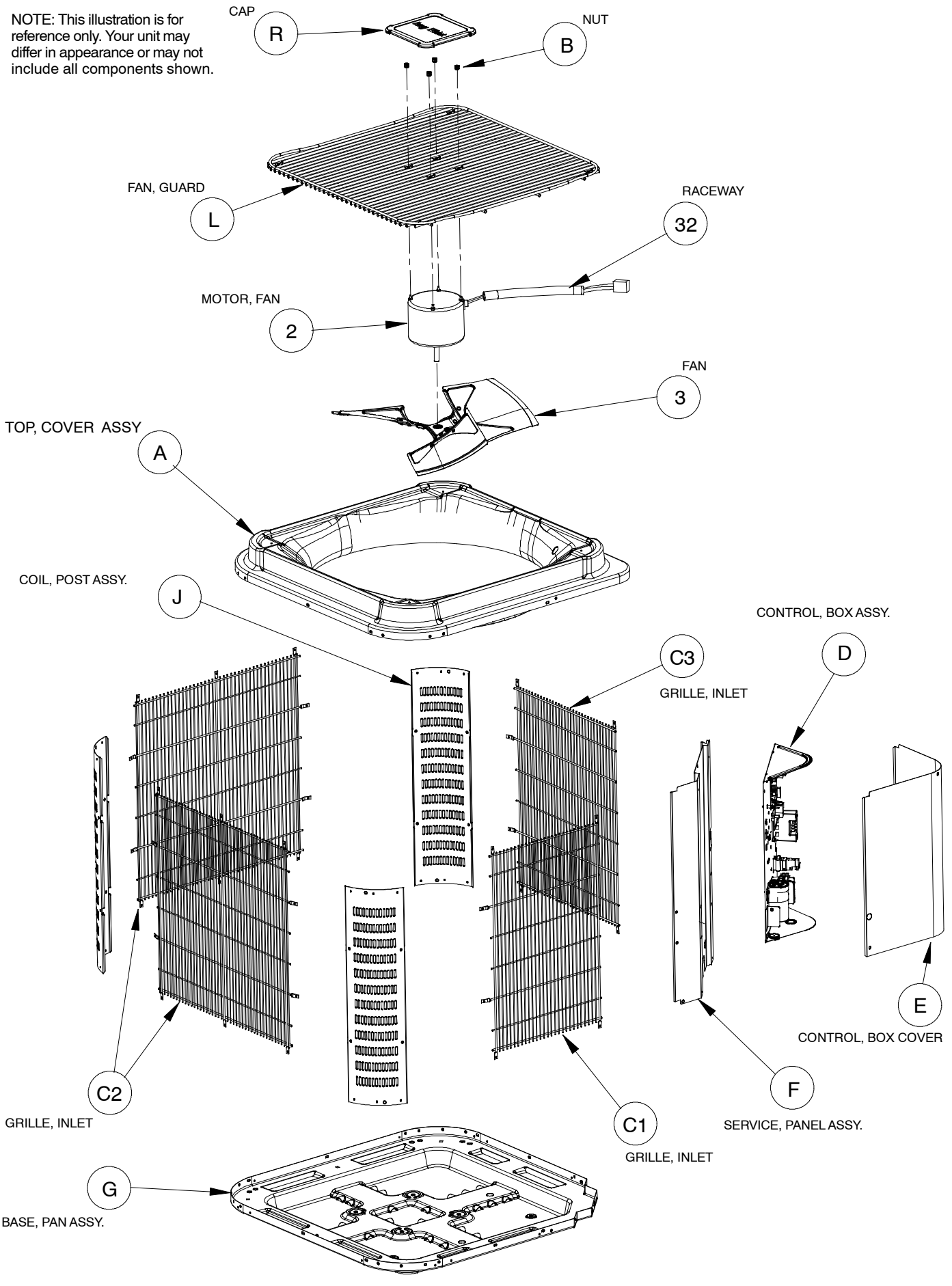
H4A(6,8) PARTS LIST						
KEY NO.	DESCRIPTION	FAST PARTS NO.	H4A624GKD200	H4A836GKD200	H4A648GKD200	H4A660GKD300
1	Compressor ZPS20K4E-PFV-130	ZPS20K4EPFV130	1	–	–	–
1	ZPS30K4E-PFV-130	ZPS30K4EPFV130	–	1	–	–
1	ZPS40K4E-PFV-130	ZPS40K4EPFV130	–	–	1	–
1	ZPS51K4E-PFV-130	ZPS51K4EPFV130	–	–	–	1
2	Motor, Condenser Fan 1/10 HP	1173774	1	1	–	–
2	1/4 HP	1173779	–	–	1	1
3	Fan Blade, 26” Dia.	1173790	1	1	–	–
3		1172716	–	–	1	1
4	Contactor, 30 Amp	1172472	1	1	1	–
4	40 Amp	1172786	–	–	–	1
5	Capacitor, 370V 35+5 MFD	1172110	1	–	–	–
5	370V 40+5 MFD	1172147	–	1	–	–
5	370V 45+7.5 MFD	1172291	–	–	1	–
5	370V 80+7.5 MFD	1172296	–	–	–	1
6	Condenser Coil	1175050	1	–	–	–
6		1176562	–	1	1	1
7	Service Valve, Suction	1172726	1	–	–	–
7		1172727	–	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1
9	Plug, Compressor Harness	1174685	1	1	1	–
9		1174686	–	–	–	1
10	Grommet, Compressor	1171270	4	4	4	4
11	Bolt, Compressor Mounting	1173630	4	4	4	4
17	Switch, Low Pressure	1177095	1	1	1	1
19a	Switch, High Pressure	1174684	1	1	1	1
19b	Switch, High Pressure	1175138	1	1	1	1
20	Distributor	1173667	1	1	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1
24	Drier	1174195	1	1	1	1
25	Module, Ultratech Control Alert	1175145	1	1	1	1
27	Blanket, Compressor Sound	1175144	1	1	1	–
27		1172014	–	–	–	1
32	Raceway	1175919	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1
35	Heater, Crankcase 40W 240V	1173944	1	1	1	–
35		1173670	–	–	–	1
36	Switch, Temp. CC Htr.	1173669	1	1	1	1
37	Plug, Compressor Solenoid	1175690	1	1	1	1
40	Harness Assy, Plug & Play	1173920	1	1	1	–
40		1173951	–	–	–	1
A	Panel, Top	1178327	1	1	1	1
B	Nut, Hex #8-32 Motor Mounting	1172217	1	1	1	1
C1	Grille Inlet	1177733	1	–	–	–
C1		1177491	–	1	1	1

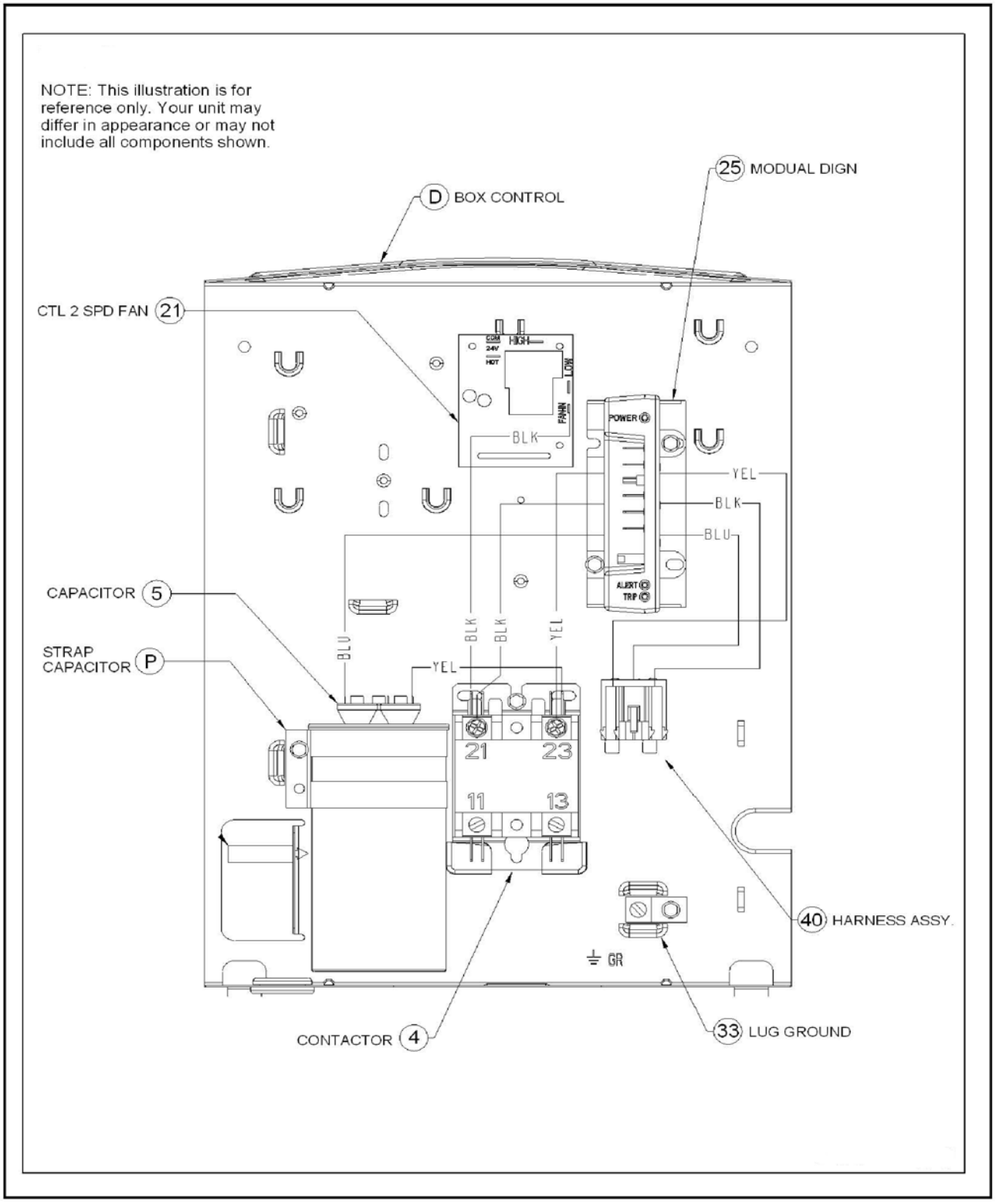
H4A(6,8) PARTS LIST (continued)						
KEY NO.	DESCRIPTION	FAST PARTS NO.	H4A624GKD200	H4A836GKD200	H4A648GKD200	H4A660GKD300
C2	Grille Inlet	1175797	2	–	–	–
C2		1176702	–	2	2	2
C3	Grille, Inlet	1177734	1	–	–	–
C3		1177494	–	1	1	1
D	Box, Control	1172753	1	1	1	1
E	Cover, Control Box	1178582	1	1	1	1
F	Panel, Service	1178325	1	–	–	–
F		1178326	–	1	1	1
G	Pan, Base	1178309	1	1	1	1
J	Post, Corner	1178313	3	–	–	–
J		1178314	–	3	3	3
L	Guard, Fan	1174032	1	1	1	1
N	Support, Coil	1174068	5	5	5	5
P	Strap, Capacitor	1172734	1	1	1	–
P		1172735	–	–	–	1
R	Cap Assy, Heil	1175157	1	1	1	1
Parts Not Shown						
)(	Paint Touch-up	1178322	1	1	1	1
)(	Screw Hex Head #10 X 3/8” Gray	1174676	27	27	27	27
)(	Screw Hex Head #10 X 1/2” Gray	1174677	21	21	21	21
)(	Screw Hex Head #12 X 5/8” Gray	1174678	4	4	4	4
)(	Harness Assy Ultratech AC	1175159	1	1	1	1

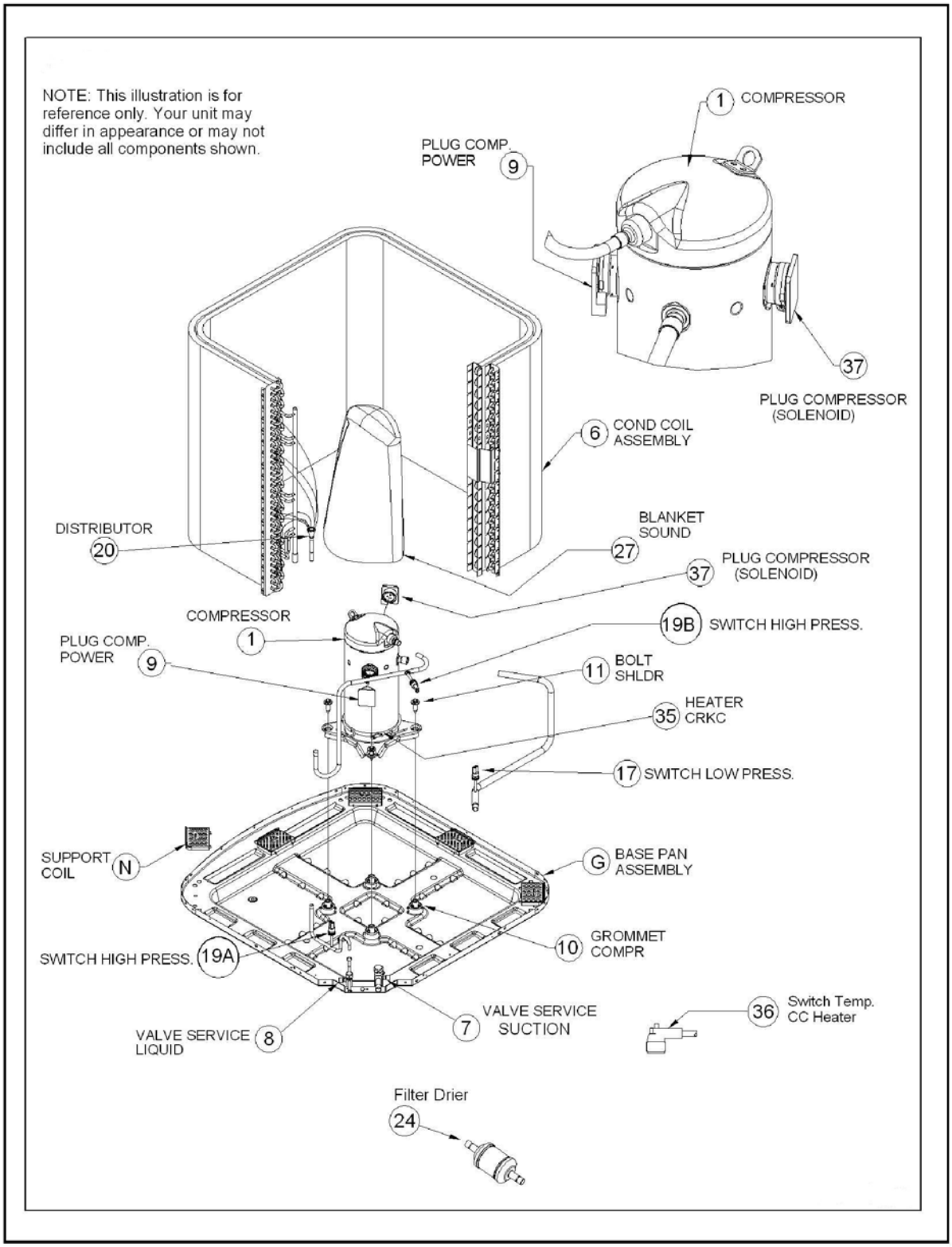
T4A(6,8) PARTS LIST						
KEY NO.	DESCRIPTION	FAST PARTS NO.	T4A624GKD200	T4A836GKD200	T4A648GKD200	T4A660GKD300
1	Compressor ZPS20K4E-PFV-130	ZPS20K4EPFV130	1	–	–	–
1	ZPS30K4E-PFV-130	ZPS30K4EPFV130	–	1	–	–
1	ZPS40K4E-PFV-130	ZPS40K4EPFV130	–	–	1	–
1	ZPS51K4E-PFV-130	ZPS51K4EPFV130	–	–	–	1
2	Motor, Condenser Fan 1/10 HP	1173774	1	1	–	–
2	1/4 HP	1173779	–	–	1	1
3	Fan Blade, 26” Dia.	1173790	1	1	–	–
3		1172716	–	–	1	1
4	Contactor, 30 Amp	1172472	1	1	1	–
4	40 Amp	1172786	–	–	–	1
5	Capacitor, 370V 35+5 MFD	1172110	1	–	–	–
5	370V 40+5 MFD	1172147	–	1	–	–
5	370V 45+7.5 MFD	1172291	–	–	1	–
5	370V 80+7.5 MFD	1172296	–	–	–	1
6	Condenser Coil	1175050	1	–	–	–
6		1176562	–	1	1	1
7	Service Valve, Suction	1172726	1	–	–	–
7		1172727	–	1	1	1
8	Service Valve, Liquid	1172728	1	1	1	1
9	Plug, Compressor Harness	1174685	1	1	1	–
9		1174686	–	–	–	1
10	Grommet, Compressor	1171270	4	4	4	4
11	Bolt, Compressor Mounting	1173630	4	4	4	4
17	Switch, Low Pressure	1177095	1	1	1	1
19a	Switch, High Pressure	1174684	1	1	1	1
19b	Switch, High Pressure	1175138	1	1	1	1
20	Distributor	1173667	1	1	1	1
21	Control, 2 Speed Fan	1088977	1	1	1	1
24	Drier	1174195	1	1	1	1
25	Module, Ultratech Control Alert	1175145	1	1	1	1
27	Blanket, Compressor Sound	1175144	1	1	1	–
27		1172014	–	–	–	1
32	Raceway	1175919	1	1	1	1
33	Lug, Ground	1172300	1	1	1	1
35	Heater, Crankcase 40W 240V	1173944	1	1	1	–
35		1173670	–	–	–	1
36	Switch, Temp. CC Htr.	1173669	1	1	1	1
37	Plug, Compressor Solenoid	1175690	1	1	1	1
40	Harness Assy, Plug & Play	1173920	1	1	1	–
40		1173951	–	–	–	1
A	Panel, Top	1178572	1	1	1	1
B	Nut, Hex #8-32 Motor Mounting	1172217	1	1	1	1
C1	Grille Inlet	1177795	1	–	–	–
C1		1177575	–	1	1	1
C2	Grille Inlet	1176446	2	–	–	–
C2		1176717	–	2	2	2
C3	Grille, Inlet	1177796	1	–	–	–
C3		1177578	–	1	1	1
D	Box, Control	1172753	1	1	1	1

T4A(6,8) PARTS LIST (continued)						
KEY NO.	DESCRIPTION	FAST PARTS NO.	T4A624GKD200	T4A836GKD200	T4A648GKD200	T4A660GKD300
E	Cover, Control Box	1178582	1	1	1	1
F	Panel, Service	1178325	1	–	–	–
F		1178326	–	1	1	1
G	Pan, Base	1178309	1	1	1	1
J	Post, Corner	1178433	3	–	–	–
J		1178583	–	3	3	3
L	Guard, Fan	1177572	1	1	1	1
N	Support, Coil	1174068	5	5	5	5
P	Strap, Capacitor	1172734	1	1	1	–
P		1172735	–	–	–	1
R	Cap Assy, Tempstar	1175158	1	1	1	1
Parts Not Shown						
)(	Paint Touch–up	1178322	1	1	1	1
)(	Screw Hex Head #10 X 3/8” Gray	1174676	27	27	27	27
)(	Screw Hex Head #10 X 1/2” Gray	1174677	21	21	21	21
)(	Screw Hex Head #12 X 5/8” Gray	1174678	4	4	4	4
)(	Harness Assy Ultratech AC	1175159	1	1	1	1

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.
25 MODUAL DIGN
D BOX CONTROL
CTL 2 SPD FAN 21
CAPACITOR 5
STRAP CAPACITOR P
CONTACTOR 4
40 HARNESS ASSY.
33 LUG GROUND
COM
24V
HOT
HIGH
LOW
FANIN
POWER
ALERT
TRIP
BLK
YEL
BLU
21
23
11
13
GR


NOTE: This illustration is for reference only. Your unit may differ in appearance or may not include all components shown.
1 COMPRESSOR
PLUG COMP. POWER 9
37 PLUG COMPRESSOR (SOLENOID)
6 COND COIL ASSEMBLY
DISTRIBUTOR 20
BLANKET SOUND 27
37 PLUG COMPRESSOR (SOLENOID)
COMPRESSOR 1
19B SWITCH HIGH PRESS.
PLUG COMP. POWER 9
11 BOLT SHLDR
35 HEATER CRKC
17 SWITCH LOW PRESS.
SUPPORT COIL N
G BASE PAN ASSEMBLY
SWITCH HIGH PRESS. 19A
10 GROMMET COMPR
VALVE SERVICE LIQUID 8
7 VALVE SERVICE SUCTION
36 Switch Temp. CC Heater
Filter Drier 24

COOLING Multiplying Factors for other Indoor Combinations

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
(CHT)4A624											
*FVM4X36****	-	1.00	1.00	1.00	1.00	EHD4X24A**	*9MV*0801716A**	0.97	0.98	0.96	0.98
EA*4X24*14A*	*9MV*0401410A**	0.96	1.00	0.95	1.04	EHD4X24A**	*9MV*1002116A**	0.98	0.99	0.95	0.98
EA*4X24*14A*	*9MX*0401410A**	0.95	0.99	0.96	1.05	EHD4X24A**	*9MV*1202422A**	0.98	0.99	0.96	1.01
EA*4X24*14A*	-	0.94	1.07	0.96	1.12	EHD4X24A**	*9MX*0401410A**	0.96	1.00	0.97	1.06
EA*4X24*14A*	*8MV*0701412**	0.94	0.97	0.95	1.02	EHD4X24A**	*9MX*0601714A**	1.00	1.00	0.99	1.03
EA*4X24*14A*	*8MX*0451408**	0.97	0.99	0.96	1.03	EHD4X30A**	*9MA*0601714A**	0.96	0.98	0.97	0.99
EA*4X24*17A*	*9MA*0601714A**	0.95	0.97	0.95	0.98	EHD4X30A**	*9MA*0801714A**	0.96	0.97	0.97	0.99
EA*4X24*17A*	*9MA*0801714A**	0.94	0.97	0.95	0.98	EHD4X30A**	*9MA*1002120A**	1.01	0.99	1.00	1.01
EA*4X24*17A*	*9MV*0401410A**	0.96	1.01	0.95	1.04	EHD4X30A**	*9MA*1202422A**	1.01	0.99	0.99	1.00
EA*4X24*17A*	*9MV*0601714A**	0.98	0.99	0.95	0.98	EHD4X30A**	*9MV*0401410A**	0.97	1.01	0.97	1.02
EA*4X24*17A*	*9MV*0801716A**	0.98	0.99	0.96	0.98	EHD4X30A**	*9MV*0601714A**	0.99	0.99	0.97	0.98
EA*4X24*17A*	*9MX*0401410A**	0.96	1.00	0.96	1.05	EHD4X30A**	*9MV*0801716A**	0.99	0.98	0.98	0.99
EA*4X24*17A*	-	0.94	1.07	0.96	1.12	EHD4X30A**	*9MV*1002116A**	0.99	0.99	0.97	0.98
EA*4X24*17A*	*8MV*0701412**	0.94	0.97	0.95	1.00	EHD4X30A**	*9MV*1202422A**	1.01	0.99	0.98	0.99
EA*4X24*17A*	*8MV*0901716**	0.95	0.97	0.96	1.01	EHD4X30A**	*9MX*0401410A**	0.97	0.99	0.98	1.07
EA*4X24*17A*	*8MX*0451408**	0.97	0.98	0.97	1.02	EHD4X30A**	*9MX*0601714A**	1.01	1.00	1.00	1.01
EA*4X24*17A*	*8MPV050	0.99	1.00	0.98	1.07	EHD4X36A**	*9MA*0601714A**	0.97	0.98	0.98	0.99
EA*4X24*17A*	MV08B15**B*	0.97	0.96	0.97	1.00	EHD4X36A**	*9MA*0801714A**	0.97	0.97	0.98	0.99
EA*4X24*17A*	NOMV106D12*	0.91	0.96	0.95	1.02	EHD4X36A**	*9MA*1002120A**	1.02	0.99	1.01	1.02
EA*4X24*17A*	OMV098J12A	0.97	0.97	0.97	0.98	EHD4X36A**	*9MA*1202422A**	1.02	0.99	1.01	1.02
EA*4X24*17A*	OLV098A12A	0.93	0.96	0.97	1.04	EHD4X36A**	*9MV*0401410A**	0.99	1.01	0.98	1.00
EA*4X24*17A*	OMV112K14A	0.97	0.97	0.96	1.00	EHD4X36A**	*9MV*0601714A**	1.01	0.99	0.98	0.99
EA*4X30*14A*	*9MV*0401410A**	0.97	1.00	0.96	1.01	EHD4X36A**	*9MV*0801716A**	1.01	0.98	0.99	0.99

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X30*14A*	*9MX*0401410A**	0.96	0.99	0.97	1.06	EHD4X36A**	*9MV*1002116A**	1.02	0.99	0.98	0.98
EA*4X30*14A*	-	0.96	1.08	0.98	1.13	EHD4X36A**	*9MV*1202422A**	1.03	0.99	1.00	1.01
EA*4X30*14A*	*8MV*0701412**	0.96	0.97	0.96	1.01	EHD4X36A**	*9MX*0401410A**	0.98	0.99	0.99	1.04
EA*4X30*14A*	*8MX*0451408**	0.98	0.99	0.98	0.99	EN(A,D)4X24*14**	*9MV*0401410A**	0.96	1.01	0.94	1.03
EA*4X30*17A*	*9MA*0601714A**	0.96	0.97	0.97	0.99	EN(A,D)4X24*14**	*9MX*0401410A**	0.95	0.99	0.96	1.05
EA*4X30*17A*	*9MA*0801714A**	0.95	0.96	0.96	0.98	EN(A,D)4X24*17**	*9MA*0601714A**	0.95	0.98	0.95	1.00
EA*4X30*17A*	*9MV*0401410A**	0.97	1.01	0.96	1.01	EN(A,D)4X24*17**	*9MA*0801714A**	0.94	0.97	0.95	0.98
EA*4X30*17A*	*9MV*0601714A**	0.99	0.99	0.97	0.98	EN(A,D)4X24*17**	*9MV*0401410A**	0.96	1.01	0.94	1.02
EA*4X30*17A*	*9MV*0801716A**	1.00	0.99	0.98	0.99	EN(A,D)4X24*17**	*9MV*0601714A**	0.97	0.98	0.95	0.98
EA*4X30*17A*	*9MX*0401410A**	0.97	0.99	0.98	1.07	EN(A,D)4X24*17**	*9MV*0801716A**	0.97	0.98	0.95	0.98
EA*4X30*17A*	-	0.96	1.08	0.98	1.13	EN(A,D)4X24*17**	*9MX*0401410A**	0.95	0.99	0.96	1.05
EA*4X30*17A*	*8MV*0701412**	0.96	0.97	0.96	1.00	EN(A,D)4X24*17**	*9MX*0601714A**	0.99	1.01	0.98	1.02
EA*4X30*17A*	*8MV*0901716**	0.96	0.97	0.97	1.00	EN(A,D)4X30*14**	*9MV*0401410A**	0.97	1.01	0.96	1.01
EA*4X30*17A*	*8MX*0451408**	0.99	0.99	0.98	0.99	EN(A,D)4X30*14**	*9MX*0401410A**	0.96	0.99	0.97	1.06
EA*4X30*17A*	*8MPV050	1.00	1.00	0.98	1.06	EN(A,D)4X30*17**	*9MA*0601714A**	0.96	0.97	0.97	0.99
EA*4X30*17A*	MV08B15**B*	0.98	0.96	0.98	0.99	EN(A,D)4X30*17**	*9MA*0801714A**	0.96	0.97	0.96	0.98
EA*4X30*17A*	NOMV106D12*	0.92	0.96	0.97	1.02	EN(A,D)4X30*17**	*9MV*0401410A**	0.97	1.01	0.96	1.01
EA*4X30*17A*	OMV098J12A	0.97	0.96	0.98	0.99	EN(A,D)4X30*17**	*9MV*0601714A**	0.99	0.99	0.97	0.98
EA*4X30*17A*	OLV098A12A	0.94	0.96	0.98	1.03	EN(A,D)4X30*17**	*9MV*0801716A**	1.00	0.99	0.98	0.99
EA*4X30*17A*	OMV112K14A	0.98	0.97	0.97	1.00	EN(A,D)4X30*17**	*9MX*0401410A**	0.97	0.99	0.98	1.07
EA*4X36*14A*	*9MV*0401410A**	0.97	1.01	0.97	1.02	EN(A,D)4X31*17**	*9MA*0601714A**	0.97	0.97	0.98	0.99
EA*4X36*14A*	*9MX*0401410A**	0.97	0.99	0.98	1.07	EN(A,D)4X31*17**	*9MA*0801714A**	0.97	0.96	0.98	0.99
EA*4X36*14A*	-	0.96	1.07	0.97	1.12	EN(A,D)4X31*17**	*9MV*0401410A**	0.99	1.00	0.98	1.02
EA*4X36*14A*	*8MV*0701412**	0.96	0.97	0.97	1.00	EN(A,D)4X31*17**	*9MV*0601714A**	1.01	0.99	0.99	1.00

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X36*14A*	*8MX*0451408**	0.99	0.99	0.98	0.99	EN(A,D)4X31*17**	*9MV*0801716A**	1.02	0.99	0.99	1.00
EA*4X36*17A*	*9MA*0601714A**	0.96	0.97	0.97	0.99	EN(A,D)4X31*17**	*9MX*0401410A**	0.98	0.99	0.99	1.04
EA*4X36*17A*	*9MA*0801714A**	0.96	0.97	0.97	0.98	EN(A,D)4X36*21**	*9MA*0601714A**	0.96	0.97	0.97	0.99
EA*4X36*17A*	*9MV*0401410A**	0.98	1.01	0.97	1.02	EN(A,D)4X36*21**	*9MA*0801714A**	0.96	0.97	0.96	0.98
EA*4X36*17A*	*9MV*0601714A**	1.00	0.99	0.98	0.99	EN(A,D)4X36*21**	*9MA*1002120A**	1.01	0.99	0.98	0.99
EA*4X36*17A*	*9MV*0801716A**	1.01	0.99	0.98	0.99	EN(A,D)4X36*21**	*9MV*0601714A**	0.99	0.99	0.97	0.98
EA*4X36*17A*	*9MX*0401410A**	0.97	0.99	0.98	1.07	EN(A,D)4X36*21**	*9MV*0801716A**	1.00	0.99	0.98	0.99
EA*4X36*17A*	-	0.96	1.07	0.97	1.12	EN(A,D)4X36*21**	*9MV*1002116A**	1.00	0.99	0.97	0.98
EA*4X36*17A*	*8MV*0701412**	0.96	0.97	0.97	1.00	EN(A,D)4X37*17**	*9MA*0601714A**	0.98	0.97	0.99	1.00
EA*4X36*17A*	*8MV*0901716**	0.96	0.96	0.97	1.00	EN(A,D)4X37*17**	*9MA*0801714A**	0.97	0.96	0.98	0.99
EA*4X36*17A*	*8MX*0451408**	0.99	0.98	0.98	0.99	EN(A,D)4X37*17**	*9MV*0401410A**	1.00	1.01	0.99	1.03
EA*4X36*17A*	*8MPV050	1.01	1.00	0.99	1.07	EN(A,D)4X37*17**	*9MV*0601714A**	1.02	0.99	1.00	1.01
EA*4X36*17A*	MV08B15**B*	0.98	0.96	0.98	0.99	EN(A,D)4X37*17**	*9MV*0801716A**	1.03	0.99	1.01	1.02
EA*4X36*17A*	NOMV106D12*	0.92	0.96	0.97	1.00	EN(A,D)4X37*17**	*9MX*0401410A**	0.99	0.99	1.01	1.04
EA*4X36*17A*	OMV098J12A	0.98	0.97	0.98	0.99	EN(A,D,W)4X36*17**	*9MA*0601714A**	0.96	0.97	0.97	0.99
EA*4X36*17A*	OLV098A12A	0.94	0.96	0.98	1.01	EN(A,D,W)4X36*17**	*9MA*0801714A**	0.96	0.97	0.96	0.98
EA*4X36*17A*	OMV112K14A	0.99	0.97	0.98	1.01	EN(A,D,W)4X36*17**	*9MV*0401410A**	0.97	1.01	0.96	1.01
EA*4X36*21A*	*9MA*0601714A**	0.96	0.97	0.97	0.98	EN(A,D,W)4X36*17**	*9MV*0601714A**	0.99	0.99	0.97	0.98
EA*4X36*21A*	*9MA*0801714A**	0.96	0.96	0.97	0.98	EN(A,D,W)4X36*17**	*9MV*0801716A**	1.00	0.99	0.98	0.99
EA*4X36*21A*	*9MA*1002120A**	1.01	0.98	0.99	1.00	EN(A,D,W)4X36*17**	*9MX*0401410A**	0.97	0.99	0.98	1.07
EA*4X36*21A*	*9MV*0601714A**	1.01	0.99	0.98	0.99	ENH4X24*17**	*9MA*0601714A**	0.95	0.98	0.95	1.00
EA*4X36*21A*	*9MV*0801716A**	1.01	0.99	0.98	0.99	ENH4X24*17**	*9MA*0801714A**	0.94	0.97	0.95	0.98
EA*4X36*21A*	*9MV*1002116A**	1.01	0.99	0.98	0.99	ENH4X24*17**	*9MA*1002120A**	0.99	1.00	0.97	1.04
EA*4X36*21A*	-	0.96	1.07	0.97	1.12	ENH4X24*17**	*9MA*1202422A**	0.99	0.99	0.98	1.05

COOLING Multiplying Factors for other Indoor Combinations (continued)											
Indoor Model	**Furnace Model**	**Low**		**High**		**Indoor Model**	**Furnace Model**	**Low**		**High**	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X36*21A*	*8MV*0901716**	0.96	0.96	0.97	1.00	ENH4X24*17**	*9MV*0401410A**	0.96	1.01	0.94	1.02
EA*4X36*21A*	*8MV*1102120**	1.01	0.98	1.00	1.01	ENH4X24*17**	*9MV*0601714A**	0.97	0.98	0.95	0.98
EA*4X36*21A*	*8MPV075	1.01	0.98	1.00	1.01	ENH4X24*17**	*9MV*0801716A**	0.97	0.98	0.95	0.98
EA*4X36*21A*	*9MPV050	0.99	0.98	0.98	0.99	ENH4X24*17**	*9MV*1002116A**	0.97	0.99	0.94	1.00
EA*4X36*21A*	*9MPV075	1.01	0.99	0.99	1.00	ENH4X24*17**	*9MV*1202422A**	0.98	0.99	0.95	1.00
EA*4X36*21A*	*9MVX040	0.99	0.99	0.98	0.99	ENH4X24*17**	*9MX*0401410A**	0.95	1.00	0.96	1.05
EA*4X36*21A*	*9MVX060	1.01	0.99	0.99	1.00	ENH4X24*17**	*9MX*0601714A**	0.99	1.01	0.98	1.02
EA*4X36*21A*	MV12F19**B*	0.98	0.97	0.98	0.99	ENH4X30*17**	*9MA*0601714A**	0.96	0.97	0.97	0.99
EA*4X36*21A*	NOMV106D12*	0.92	0.96	0.97	1.00	ENH4X30*17**	*9MA*0801714A**	0.96	0.97	0.96	0.98
EA*4X36*21A*	OMV098J12A	0.98	0.96	0.98	1.01	ENH4X30*17**	*9MA*1002120A**	1.01	0.99	0.99	1.00
EA*4X36*21A*	OLV098A12A	0.94	0.96	0.98	0.99	ENH4X30*17**	*9MA*1202422A**	1.01	0.98	0.99	1.00
EA*4X36*21A*	OMV112K14A	0.99	0.96	0.98	0.99	ENH4X30*17**	*9MV*0401410A**	0.97	1.01	0.96	1.01
ED*4X24F**	*9MA*0601714A**	0.95	0.97	0.95	0.98	ENH4X30*17**	*9MV*0601714A**	0.99	0.99	0.97	0.98
ED*4X24F**	*9MA*0801714A**	0.94	0.97	0.95	0.98	ENH4X30*17**	*9MV*0801716A**	1.00	0.99	0.98	0.99
ED*4X24F**	*9MV*0601714A**	0.98	0.99	0.95	0.98	ENH4X30*17**	*9MV*1002116A**	1.00	0.99	0.97	0.98
ED*4X24F**	*9MV*0801716A**	0.98	0.98	0.96	0.97	ENH4X30*17**	*9MV*1202422A**	1.01	0.99	0.98	0.99
ED*4X24F**	*9MX*0601714A**	0.99	1.00	0.96	0.98	ENH4X30*17**	*9MX*0401410A**	0.97	0.99	0.98	1.07
ED*4X30B**	*9MV*0401410A**	0.97	1.00	0.96	1.01	ENH4X31*17**	*9MA*0601714A**	0.97	0.97	0.98	0.99
ED*4X30B**	*9MX*0401410A**	0.96	0.99	0.97	1.06	ENH4X31*17**	*9MA*0801714A**	0.97	0.96	0.98	0.99
ED*4X30F**	*9MA*0601714A**	0.96	0.97	0.97	0.99	ENH4X31*17**	*9MA*1002120A**	1.02	0.99	1.02	1.03
ED*4X30F**	*9MA*0801714A**	0.95	0.96	0.96	0.98	ENH4X31*17**	*9MA*1202422A**	1.03	0.98	1.01	1.02
ED*4X30F**	*9MV*0601714A**	0.99	0.99	0.97	0.98	ENH4X31*17**	*9MV*0401410A**	0.99	1.01	0.98	1.02
ED*4X30F**	*9MV*0801716A**	1.00	0.99	0.98	0.99	ENH4X31*17**	*9MV*0601714A**	1.01	0.99	0.99	1.00
ED*4X36B**	*9MV*0401410A**	0.97	1.01	0.97	1.02	ENH4X31*17**	*9MV*0801716A**	1.02	0.99	0.99	1.00

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
ED*4X36B**	*9MX*0401410A**	0.97	0.99	0.98	1.07	ENH4X31*17**	*9MV*1002116A**	1.02	0.99	0.99	1.00
ED*4X36F**	*9MA*0601714A**	0.96	0.97	0.97	0.99	ENH4X31*17**	*9MV*1202422A**	1.03	0.99	1.01	1.02
ED*4X36F**	*9MA*0801714A**	0.96	0.97	0.97	0.98	ENH4X31*17**	*9MX*0401410A**	0.98	0.99	0.99	1.04
ED*4X36F**	*9MV*0601714A**	1.00	0.99	0.98	0.99	ENH4X36*17**	*9MA*0601714A**	0.96	0.97	0.97	0.99
ED*4X36F**	*9MV*0801716A**	1.01	0.99	0.98	0.99	ENH4X36*17**	*9MA*0801714A**	0.96	0.97	0.96	0.98
ED*4X36J**	*9MA*1002120A**	1.01	0.99	0.98	0.99	ENH4X36*17**	*9MA*1002120A**	1.01	0.99	0.99	1.00
ED*4X36J**	*9MV*1002116A**	1.01	0.99	0.98	0.99	ENH4X36*17**	*9MA*1202422A**	1.01	0.98	0.99	1.00
EHD4X24A**	*9MA*0601714A**	0.96	0.98	0.97	1.00	ENH4X36*17**	*9MV*0401410A**	0.97	1.01	0.96	1.01
EHD4X24A**	*9MA*0801714A**	0.96	0.97	0.96	0.98	ENH4X36*17**	*9MV*0601714A**	0.99	0.99	0.97	0.98
EHD4X24A**	*9MA*1002120A**	1.01	1.01	0.99	1.04	ENH4X36*17**	*9MV*0801716A**	1.00	0.99	0.98	0.99
EHD4X24A**	*9MA*1202422A**	1.01	1.00	0.99	1.04	ENH4X36*17**	*9MV*1002116A**	1.00	0.99	0.97	0.98
EHD4X24A**	*9MV*0401410A**	0.96	1.01	0.95	1.01	ENH4X36*17**	*9MV*1202422A**	1.01	0.99	0.98	0.99
EHD4X24A**	*9MV*0601714A**	0.97	0.98	0.96	0.98	ENH4X36*17**	*9MX*0401410A**	0.97	0.99	0.98	1.07

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
(CHT)4A836											
*FVM4X60****	-	1.00	1.00	1.00	1.00	ED*4X36F**	*9MV*0801716A**	0.93	1.01	0.93	1.03
EA*4X36*14A*	*8MV*0701412**	0.94	1.03	0.94	1.05	EN(A,D,W)4X48*21**	*9MV*0801716A**	0.96	1.02	0.96	1.03
EA*4X36*14A*	*8MX*0451408**	0.92	1.02	0.93	1.09	ED*4X48L**	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X36*17A*	*8MPV050	0.94	1.05	0.93	1.09	ED*4X42F**	*9MV*0801716A**	0.94	1.01	0.94	1.04
EA*4X36*17A*	*8MV*0701412**	0.94	1.03	0.94	1.05	END4X42*17**	*9MV*0801716A**	0.95	1.02	0.95	1.05
EA*4X36*17A*	*8MV*0901716**	0.94	1.00	0.94	1.04	ENH4X42*21**	*9MV*0801716A**	0.94	1.01	0.94	1.04
EA*4X36*17A*	*8MX*0451408**	0.92	1.01	0.94	1.10	EHD4X36A**	*9MV*1002116A**	0.95	1.02	0.96	1.05

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X36*17A*	*8MX*0701716**	0.95	1.05	0.94	1.09	EHD4X48A**	*9MV*1002116A**	0.96	1.01	0.97	1.00
EA*4X36*17A*	*9MA*0601714A**	0.93	1.02	0.93	1.04	EA*4X42*24A*	*9MV*1202422A**	0.95	1.00	0.94	1.02
EA*4X36*17A*	*9MA*0801714A**	0.93	1.01	0.93	1.03	EA*4X42*24A*	*9MVX100	0.96	1.01	0.97	1.07
EA*4X36*17A*	*9MV*0601714A**	0.93	1.03	0.93	1.04	EA*4X48*17A*	OLV098A12A	0.91	0.98	0.97	1.08
EA*4X36*17A*	*9MV*0801716A**	0.93	1.01	0.93	1.05	EA*4X42*24A*	-	0.93	1.12	0.94	1.12
EA*4X36*21A*	*8MPV075	0.95	1.03	0.96	1.07	EHD4X36A**	*9MV*0801716A**	0.95	1.02	0.96	1.05
EA*4X36*21A*	*8MV*0901716**	0.95	1.01	0.94	1.04	ENH4X43*21**	*9MV*0801716A**	0.97	1.01	0.97	1.01
EA*4X36*21A*	*8MV*1102120**	0.95	1.01	0.94	1.04	EA*4X42*24A*	*9MV*1002116A**	0.94	1.00	0.96	1.05
EA*4X36*21A*	*8MX*0701716**	0.95	1.05	0.94	1.06	EN(A,D)4X36*21**	*9MV*1002116A**	0.93	1.02	0.93	1.04
EA*4X36*21A*	*8MX*0902116**	0.95	1.03	0.96	1.05	EN(A,D,W)4X48*21**	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X36*21A*	*9MA*0601714A**	0.93	1.02	0.93	1.05	EA*4X48*24A*	*9MV*1202422A**	0.97	1.00	0.96	0.99
EA*4X36*21A*	*9MA*0801714A**	0.93	1.01	0.93	1.03	EA*4X48*24A*	*9MVX100	0.97	1.01	0.98	1.06
EA*4X36*21A*	*9MA*1002120A**	0.94	1.01	0.94	1.04	ENH4X43*21**	*9MX*0601714A**	0.95	1.00	0.98	1.06
EA*4X36*21A*	*9MPV050	0.94	1.04	0.94	1.10	EA*4X48*17A*	NOMV106D12*	0.89	0.97	0.97	1.07
EA*4X36*21A*	*9MPV075	0.94	1.03	0.94	1.09	EA*4X42*21A*	NOMV156E19*	0.88	0.98	0.95	1.05
EA*4X36*21A*	*9MV*0601714A**	0.92	1.01	0.94	1.06	EA*4X48*21A*	OLV098A12A	0.91	0.99	0.96	1.08
EA*4X36*21A*	*9MV*0801716A**	0.93	1.00	0.94	1.04	EA*4X48*17A*	-	0.95	1.11	0.97	1.11
EA*4X42*21A*	*8MPV075	0.95	1.02	0.96	1.06	EHD4X42A**	*9MV*0801716A**	0.95	1.01	0.96	1.02
EA*4X42*21A*	*8MV*0901716**	0.91	0.98	0.95	1.05	ENH4X48*21**	*9MV*0801716A**	0.96	1.02	0.96	1.03
EA*4X42*21A*	*8MV*1102120**	0.91	0.98	0.96	1.05	EA*4X48*21A*	*9MV*1002116A**	0.95	1.01	0.96	1.03
EA*4X42*21A*	*8MX*0701716**	0.95	1.04	0.96	1.07	EN(A,D)4X43*24**	*9MV*1002116A**	0.98	1.01	0.98	1.01
EA*4X42*21A*	*8MX*0902116**	0.96	1.03	0.96	1.03	ENH4X36*17**	*9MV*1002116A**	0.93	1.02	0.93	1.04
EA*4X42*21A*	*9MA*0601714A**	0.93	1.01	0.94	1.05	ED*4X42L**	*9MV*1202422A**	0.96	1.01	0.96	1.03
EA*4X42*21A*	*9MA*0801714A**	0.93	1.00	0.94	1.04	EA*4X36*17A*	*9MX*0601714A**	0.92	1.01	0.94	1.05

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X42*21A*	*9MA*1002120A**	0.95	1.02	0.95	1.05	ENH4X48*21**	*9MX*0601714A**	0.95	1.00	0.97	1.07
EA*4X42*21A*	*9MPV050	0.95	1.04	0.95	1.09	EA*4X48*21A*	NOMV106D12*	0.88	0.97	0.96	1.06
EA*4X42*21A*	*9MPV075	0.95	1.03	0.96	1.10	EA*4X42*24A*	NOMV156E19*	0.88	0.98	0.95	1.05
EA*4X42*21A*	*9MV*0601714A**	0.94	1.02	0.94	1.05	EA*4X36*21A*	OLV112A16A	0.95	1.02	0.95	1.06
EA*4X42*21A*	*9MV*0801716A**	0.94	1.01	0.94	1.04	EA*4X48*21A*	-	0.94	1.11	0.96	1.12
EA*4X42*24A*	*8MPV100	0.97	1.01	0.98	1.08	EN(A,D)4X36*21**	*9MV*0801716A**	0.93	1.02	0.93	1.04
EA*4X42*24A*	*8MPV125	0.96	1.00	0.98	1.05	EN(A,D,W)4X36*17**	*9MV*0801716A**	0.93	1.02	0.93	1.04
EA*4X42*24A*	*8MV*1102120**	0.95	1.01	0.96	1.03	EA*4X48*24A*	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X42*24A*	*8MV*1352422**	0.91	0.98	0.96	1.03	ED*4X42L**	*9MV*1002116A**	0.95	1.01	0.94	1.04
EA*4X42*24A*	*8MX*0902116**	0.96	1.02	0.96	1.03	ENH4X42*21**	*9MV*1002116A**	0.94	1.01	0.94	1.04
EA*4X42*24A*	*9MA*1002120A**	0.95	1.01	0.95	1.05	EA*4X36*17A*	*9MX*0801716A**	0.95	1.06	0.94	1.06
EA*4X42*24A*	*9MA*1202422A**	0.95	1.00	0.95	1.02	ENH4X48*21**	*9MX*0801716A**	0.98	1.05	0.97	1.05
EA*4X42*24A*	*9MPV100	0.96	1.02	0.97	1.07	EA*4X48*24A*	NOMV156E19*	0.89	0.98	0.97	1.04
EA*4X42*24A*	*9MPV125	0.96	1.01	0.97	1.07	EA*4X36*21A*	OLV098A12A	0.89	0.99	0.94	1.08
EA*4X48*17A*	*8MPV050	0.96	1.04	0.97	1.11	ED*4X48F**	*9MV*0801716A**	0.96	1.02	0.96	1.03
EA*4X48*17A*	*8MV*0701412**	0.96	1.02	0.97	1.05	ENH4X36*17**	*9MV*0801716A**	0.93	1.02	0.93	1.04
EA*4X48*17A*	*8MV*0901716**	0.97	1.00	0.98	1.01	EA*4X36*21A*	*9MV*1002116A**	0.92	1.00	0.94	1.04
EA*4X48*17A*	*8MX*0451408**	0.95	1.00	0.97	1.09	EHD4X42A**	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X48*17A*	*8MX*0701716**	0.98	1.05	0.98	1.08	EN(A,D)4X48*24**	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X48*17A*	*9MA*0601714A**	0.95	1.02	0.96	1.06	ED*4X48L**	*9MV*1202422A**	0.97	1.00	0.96	0.99
EA*4X48*17A*	*9MA*0801714A**	0.95	1.01	0.97	1.04	EA*4X36*21A*	*9MX*0601714A**	0.92	1.00	0.94	1.04
EA*4X48*17A*	*9MV*0601714A**	0.95	1.02	0.96	1.06	EA*4X42*21A*	OLV112A16A	0.95	1.02	0.96	1.05
EA*4X48*17A*	*9MV*0801716A**	0.96	1.02	0.96	1.03	EA*4X48*24A*	-	0.94	1.11	0.96	1.12
EA*4X48*21A*	*8MPV075	0.97	1.02	0.98	1.08	EHD4X48A**	*9MV*0801716A**	0.96	1.01	0.97	1.04

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X48*21A*	*8MV*0901716**	0.96	1.00	0.97	1.00	EA*4X42*21A*	*9MV*1002116A**	0.95	1.01	0.94	1.04
EA*4X48*21A*	*8MV*1102120**	0.96	1.00	0.97	1.00	ED*4X36J**	*9MV*1002116A**	0.93	1.00	0.96	1.05
EA*4X48*21A*	*8MX*0701716**	0.97	1.04	0.97	1.07	EN(A,D,W)4X42*21**	*9MV*1002116A**	0.94	1.01	0.94	1.04
EA*4X48*21A*	*8MX*0902116**	0.98	1.03	0.98	1.01	ENH4X43*21**	*9MV*1002116A**	0.97	1.01	0.97	1.01
EA*4X48*21A*	*9MA*0601714A**	0.95	1.02	0.95	1.05	EHD4X36A**	*9MV*1202422A**	0.96	1.01	0.96	0.99
EA*4X48*21A*	*9MA*0801714A**	0.95	1.00	0.96	1.01	EA*4X42*21A*	*9MX*0601714A**	0.93	1.00	0.95	1.05
EA*4X48*21A*	*9MA*1002120A**	0.95	1.01	0.96	1.03	EA*4X36*21A*	*9MX*0801716A**	0.95	1.05	0.94	1.06
EA*4X48*21A*	*9MPV050	0.95	1.03	0.97	1.11	EA*4X36*21A*	NOMV156E19*	0.88	0.99	0.94	1.04
EA*4X48*21A*	*9MPV075	0.95	1.03	0.97	1.08	EA*4X48*21A*	NOMV156E19*	0.89	0.98	0.97	1.07
EA*4X48*21A*	*9MV*0601714A**	0.95	1.02	0.97	1.07	EA*4X42*24A*	OLV112A16A	0.95	1.02	0.96	1.05
EA*4X48*21A*	*9MV*0801716A**	0.95	1.01	0.96	1.05	-	-	-	-	-	-
EA*4X48*24A*	*8MPV100	0.98	1.02	0.99	1.03	EN(A,D)4X37*17**	*9MV*0801716A**	0.96	1.01	0.97	1.05
EA*4X48*24A*	*8MPV125	0.98	1.00	0.99	1.03	EN(A,D,W)4X42*21**	*9MV*0801716A**	0.94	1.01	0.94	1.04
EA*4X48*24A*	*8MV*1102120**	0.96	1.00	0.97	1.01	ED*4X42J**	*9MV*1002116A**	0.95	1.01	0.94	1.04
EA*4X48*24A*	*8MV*1352422**	0.96	1.00	0.97	1.01	ED*4X48J**	*9MV*1002116A**	0.95	1.01	0.96	1.03
EA*4X48*24A*	*8MX*0902116**	0.98	1.03	0.98	1.01	ENH4X48*21**	*9MV*1002116A**	0.96	1.01	0.96	1.03
EA*4X48*24A*	*9MA*1002120A**	0.95	1.01	0.96	1.03	EA*4X42*21A*	*9MX*0801716A**	0.96	1.05	0.95	1.05
EA*4X48*24A*	*9MA*1202422A**	0.95	1.00	0.96	0.99	EA*4X36*17A*	MV08B15**B*	0.95	1.00	0.95	1.05
EA*4X48*24A*	*9MPV100	0.98	1.02	0.99	1.09	EA*4X36*17A*	OLV098A12A	0.89	0.99	0.93	1.07
EA*4X48*24A*	*9MPV125	0.98	1.02	0.99	1.02	EA*4X42*21A*	OLV098A12A	0.89	0.98	0.94	1.09
ED*4X36F**	*9MA*0601714A**	0.93	1.02	0.93	1.04	EHD4X42A**	*9MV*1202422A**	0.97	1.00	0.96	0.99
ED*4X36F**	*9MA*0801714A**	0.93	1.01	0.93	1.03	EA*4X48*17A*	*9MX*0601714A**	0.95	1.00	0.98	1.05
ED*4X36F**	*9MV*0601714A**	0.91	1.00	0.93	1.04	EA*4X48*21A*	OLV112A16A	0.97	1.03	0.97	1.07
ED*4X36J**	*9MA*1002120A**	0.94	1.01	0.94	1.04	EA*4X48*17A*	*9MX*0801716A**	0.98	1.06	0.98	1.08

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
ED*4X42F**	*9MA*0601714A**	0.93	1.01	0.94	1.04	EHD4X48A**	*9MV*1202422A**	0.97	1.00	0.97	1.00
ED*4X42F**	*9MA*0801714A**	0.93	1.00	0.94	1.04	EA*4X48*21A*	*9MX*0601714A**	0.94	1.00	0.97	1.07
ED*4X42F**	*9MV*0601714A**	0.94	1.03	0.94	1.05	EA*4X48*24A*	OLV112A16A	0.97	1.02	0.97	1.07
ED*4X42J**	*9MA*1002120A**	0.95	1.02	0.95	1.05	EA*4X48*21A*	*9MX*0801716A**	0.98	1.05	0.97	1.07
ED*4X42L**	*9MA*1002120A**	0.95	1.01	0.95	1.05	ED*4X36F**	*9MX*0801716A**	0.95	1.06	0.94	1.06
ED*4X42L**	*9MA*1202422A**	0.95	1.00	0.95	1.02	EA*4X48*17A*	MV08B15**B*	0.97	0.99	0.98	1.02
ED*4X48F**	*9MA*0601714A**	0.95	1.02	0.96	1.06	EN(A,D)4X43*24**	*9MV*1202422A**	0.98	1.00	0.98	1.01
ED*4X48F**	*9MA*0801714A**	0.95	1.01	0.97	1.04	ED*4X36F**	*9MX*0601714A**	0.92	1.01	0.94	1.05
ED*4X48F**	*9MV*0601714A**	0.95	1.02	0.96	1.06	EA*4X36*17A*	OMV098J12A	0.91	0.99	0.94	1.08
ED*4X48J**	*9MA*1002120A**	0.95	1.01	0.96	1.03	ED*4X42F**	*9MX*0801716A**	0.96	1.06	0.95	1.06
ED*4X48L**	*9MA*1002120A**	0.95	1.01	0.96	1.03	ED*4X48F**	*9MX*0801716A**	0.98	1.06	0.98	1.08
ED*4X48L**	*9MA*1202422A**	0.95	1.00	0.96	0.99	EA*4X36*21A*	MV12F19**B*	0.95	0.98	0.96	0.99
EHD4X36A**	*9MA*0601714A**	0.95	1.02	0.95	1.05	EN(A,D)4X48*24**	*9MV*1202422A**	0.97	1.00	0.96	0.99
EHD4X36A**	*9MA*0801714A**	0.95	1.01	0.96	1.05	ED*4X42F**	*9MX*0601714A**	0.92	1.00	0.95	1.05
EHD4X36A**	*9MA*1002120A**	0.95	1.02	0.96	1.06	EHD4X36A**	*9MX*0801716A**	0.97	1.05	0.97	1.03
EHD4X36A**	*9MA*1202422A**	0.95	1.01	0.96	1.03	EA*4X42*21A*	MV12F19**B*	0.95	0.98	0.96	0.99
EHD4X36A**	*9MV*0601714A**	0.95	1.02	0.95	1.05	EA*4X36*21A*	OMV098J12A	0.91	0.99	0.94	1.08
EHD4X42A**	*9MA*0601714A**	0.95	1.01	0.96	1.05	ENH4X36*17**	*9MV*1202422A**	0.94	1.01	0.93	1.02
EHD4X42A**	*9MA*0801714A**	0.95	1.00	0.96	1.02	ED*4X48F**	*9MX*0601714A**	0.95	1.00	0.98	1.07
EHD4X42A**	*9MA*1002120A**	0.96	1.01	0.97	1.04	EHD4X42A**	*9MX*0801716A**	0.98	1.05	0.97	1.03
EHD4X42A**	*9MA*1202422A**	0.95	1.00	0.97	1.00	EA*4X48*21A*	MV12F19**B*	0.97	0.99	0.98	1.01
EHD4X42A**	*9MV*0601714A**	0.95	1.02	0.96	1.05	EA*4X42*21A*	OMV098J12A	0.92	0.99	0.95	1.09
EHD4X48A**	*9MA*0601714A**	0.95	1.01	0.96	1.06	ENH4X42*21**	*9MV*1202422A**	0.95	1.00	0.94	1.01
EHD4X48A**	*9MA*0801714A**	0.95	1.00	0.97	1.04	EHD4X36A**	*9MX*0601714A**	0.93	1.00	0.97	1.07

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EHD4X48A**	*9MA*1002120A**	0.96	1.01	0.97	1.05	EHD4X48A**	*9MX*0801716A**	0.98	1.05	0.98	1.04
EHD4X48A**	*9MA*1202422A**	0.96	1.00	0.97	1.01	EA*4X42*24A*	MV16J22**B*	0.95	0.99	0.96	0.99
EHD4X48A**	*9MV*0601714A**	0.95	1.02	0.96	1.06	EA*4X48*17A*	OMV098J12A	0.94	0.99	0.97	1.09
EN(A,D)4X36*21**	*9MA*0601714A**	0.92	1.02	0.93	1.04	ENH4X43*21**	*9MV*1202422A**	0.98	1.00	0.97	1.01
EN(A,D)4X36*21**	*9MA*0801714A**	0.92	1.01	0.93	1.05	EHD4X42A**	*9MX*0601714A**	0.94	1.00	0.97	1.06
EN(A,D)4X36*21**	*9MA*1002120A**	0.93	1.02	0.93	1.05	EN(A,D)4X36*21**	*9MX*0801716A**	0.95	1.05	0.94	1.05
EN(A,D)4X36*21**	*9MV*0601714A**	0.92	1.02	0.92	1.03	EA*4X48*21A*	OMV098J12A	0.93	0.99	0.96	1.08
EN(A,D)4X37*17**	*9MA*0601714A**	0.95	1.01	0.97	1.04	ENH4X48*21**	*9MV*1202422A**	0.97	1.00	0.96	0.99
EN(A,D)4X37*17**	*9MA*0801714A**	0.95	1.00	0.97	1.05	EHD4X48A**	*9MX*0601714A**	0.95	1.00	0.98	1.05
EN(A,D)4X37*17**	*9MV*0601714A**	0.96	1.02	0.97	1.07	EA*4X36*17A*	OMV112K14A	0.94	1.01	0.94	1.06
EN(A,D)4X43*24**	*9MA*1002120A**	0.97	1.00	0.98	1.01	EN(A,D)4X37*17**	*9MX*0801716A**	0.98	1.05	0.98	1.06
EN(A,D)4X43*24**	*9MA*1202422A**	0.97	1.00	0.98	1.01	EA*4X48*24A*	MV16J22**B*	0.96	0.98	0.98	1.01
EN(A,D)4X48*24**	*9MA*1002120A**	0.96	1.01	0.97	1.04	EN(A,D,W)4X36*17**	*9MX*0801716A**	0.95	1.05	0.94	1.05
EN(A,D)4X48*24**	*9MA*1202422A**	0.95	1.00	0.97	1.00	EA*4X42*24A*	MV20L24**B*	0.95	0.99	0.96	0.99
EN(A,D,W)4X36*17**	*9MA*0601714A**	0.92	1.02	0.93	1.04	EA*4X36*21A*	*9MVX040	0.94	1.04	0.94	1.10
EN(A,D,W)4X36*17**	*9MA*0801714A**	0.92	1.01	0.93	1.05	EN(A,D)4X36*21**	*9MX*0601714A**	0.91	1.00	0.94	1.05
EN(A,D,W)4X36*17**	*9MV*0601714A**	0.92	1.02	0.92	1.03	EA*4X36*21A*	OMV112K14A	0.94	1.00	0.94	1.04
EN(A,D,W)4X42*21**	*9MA*0601714A**	0.93	1.01	0.94	1.05	EA*4X42*21A*	*9MVX040	0.94	1.03	0.95	1.11
EN(A,D,W)4X42*21**	*9MA*0801714A**	0.93	1.00	0.94	1.04	EN(A,D)4X37*17**	*9MX*0601714A**	0.95	0.99	0.98	1.06
EN(A,D,W)4X42*21**	*9MA*1002120A**	0.95	1.02	0.95	1.05	EN(A,D,W)4X42*21**	*9MX*0801716A**	0.96	1.06	0.95	1.05
EN(A,D,W)4X42*21**	*9MV*0601714A**	0.94	1.03	0.94	1.05	EA*4X42*21A*	OMV112K14A	0.95	1.00	0.95	1.05
EN(A,D,W)4X48*21**	*9MA*0601714A**	0.95	1.01	0.96	1.05	EA*4X48*21A*	*9MVX040	0.95	1.04	0.96	1.10
EN(A,D,W)4X48*21**	*9MA*0801714A**	0.95	1.00	0.96	1.03	EN(A,D,W)4X36*17**	*9MX*0601714A**	0.91	1.00	0.94	1.05
EN(A,D,W)4X48*21**	*9MA*1002120A**	0.96	1.01	0.97	1.04	EN(A,D,W)4X48*21**	*9MX*0801716A**	0.98	1.05	0.97	1.05

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EN(A,D,W)4X48*21**	*9MV*0601714A**	0.95	1.02	0.96	1.05	EA*4X48*17A*	OMV112K14A	0.97	1.01	0.98	1.05
END4X42*17**	*9MA*0601714A**	0.94	1.01	0.94	1.06	EA*4X36*21A*	*9MVX060	0.94	1.02	0.95	1.09
END4X42*17**	*9MA*0801714A**	0.94	1.00	0.95	1.05	EN(A,D,W)4X42*21**	*9MX*0601714A**	0.92	1.00	0.95	1.05
END4X42*17**	*9MV*0601714A**	0.95	1.03	0.94	1.04	EA*4X48*21A*	OMV112K14A	0.96	1.00	0.97	1.07
ENH4X36*17**	*9MA*0601714A**	0.92	1.02	0.93	1.04	EA*4X42*21A*	*9MVX060	0.94	1.01	0.96	1.10
ENH4X36*17**	*9MA*0801714A**	0.92	1.01	0.93	1.05	EN(A,D,W)4X48*21**	*9MX*0601714A**	0.95	1.00	0.97	1.07
ENH4X36*17**	*9MA*1002120A**	0.93	1.02	0.93	1.05	END4X42*17**	*9MX*0801716A**	0.97	1.06	0.96	1.06
ENH4X36*17**	*9MA*1202422A**	0.93	1.01	0.94	1.04	EA*4X48*24A*	MV20L24**B*	0.96	0.99	0.98	1.01
ENH4X36*17**	*9MV*0601714A**	0.92	1.02	0.92	1.03	EA*4X36*14A*	-	0.92	1.12	0.93	1.11
ENH4X42*21**	*9MA*0601714A**	0.93	1.01	0.94	1.05	EA*4X48*21A*	*9MVX060	0.95	1.02	0.97	1.09
ENH4X42*21**	*9MA*0801714A**	0.93	1.00	0.94	1.04	END4X42*17**	*9MX*0601714A**	0.93	1.00	0.96	1.06
ENH4X42*21**	*9MA*1002120A**	0.95	1.02	0.95	1.05	ENH4X36*17**	*9MX*0801716A**	0.95	1.05	0.94	1.05
ENH4X42*21**	*9MA*1202422A**	0.94	1.00	0.95	1.05	EA*4X36*17A*	NOMV106D12*	0.88	0.98	0.93	1.05
ENH4X42*21**	*9MV*0601714A**	0.94	1.03	0.94	1.05	EA*4X36*17A*	-	0.92	1.12	0.93	1.11
ENH4X43*21**	*9MA*0601714A**	0.95	1.01	0.97	1.04	EA*4X42*24A*	*9MVX080	0.96	1.02	0.97	1.07
ENH4X43*21**	*9MA*0801714A**	0.95	0.99	0.97	1.05	ENH4X36*17**	*9MX*0601714A**	0.91	1.00	0.94	1.05
ENH4X43*21**	*9MA*1002120A**	0.97	1.01	0.98	1.01	ENH4X42*21**	*9MX*0801716A**	0.96	1.06	0.95	1.05
ENH4X43*21**	*9MA*1202422A**	0.97	1.00	0.98	1.01	EA*4X36*21A*	NOMV106D12*	0.88	0.98	0.94	1.05
ENH4X43*21**	*9MV*0601714A**	0.96	1.02	0.97	1.04	EA*4X36*21A*	-	0.92	1.12	0.93	1.11
ENH4X48*21**	*9MA*0601714A**	0.95	1.01	0.96	1.05	EA*4X48*24A*	*9MVX080	0.98	1.02	0.99	1.05
ENH4X48*21**	*9MA*0801714A**	0.95	1.00	0.96	1.03	ENH4X42*21**	*9MX*0601714A**	0.92	1.00	0.95	1.05
ENH4X48*21**	*9MA*1002120A**	0.96	1.01	0.97	1.04	ENH4X43*21**	*9MX*0801716A**	0.99	1.05	0.98	1.04
ENH4X48*21**	*9MA*1202422A**	0.95	1.00	0.97	1.00	EA*4X42*21A*	NOMV106D12*	0.88	0.98	0.94	1.04
ENH4X48*21**	*9MV*0601714A**	0.95	1.02	0.96	1.05	EA*4X42*21A*	-	0.93	1.12	0.96	1.14

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
(CHT)4A648											
*FVM4X60****	-	1.00	1.00	1.00	1.00	ED*4X48J**	*9MV*1002116A**	0.93	1.02	0.92	1.04
EA*4X48*17A*	*8MV*0901716**	0.95	1.01	0.94	1.05	ED*4X48J**	*9MX*1002116A**	0.95	1.06	0.93	1.05
EA*4X48*17A*	*8MX*0701716**	0.95	1.05	0.94	1.09	ED*4X48L**	*9MA*1002120A**	0.94	1.02	0.93	1.05
EA*4X48*17A*	*9MV*0801716A**	0.96	1.07	0.94	1.08	ED*4X48L**	*9MA*1202422A**	0.94	1.01	0.93	1.03
EA*4X48*17A*	*9MX*0801716A**	0.95	1.04	0.94	1.06	ED*4X48L**	*9MV*1002116A**	0.94	1.02	0.93	1.05
EA*4X48*17A*	-	0.95	1.10	0.94	1.06	ED*4X48L**	*9MV*1202422A**	0.94	1.00	0.92	1.04
EA*4X48*21A*	*8MV*0901716**	0.94	1.01	0.93	1.03	ED*4X48L**	*9MX*1002116A**	0.96	1.07	0.93	1.05
EA*4X48*21A*	*8MV*1102120**	0.94	1.01	0.93	1.03	ED*4X48L**	*9MX*1202422A**	0.97	1.06	0.94	1.02
EA*4X48*21A*	*8MX*0701716**	0.94	1.05	0.92	1.04	ED*4X60J**	*9MA*1002120A**	0.95	1.01	0.95	1.03
EA*4X48*21A*	*8MX*0902116**	0.95	1.02	0.94	1.05	ED*4X60J**	*9MV*1002116A**	0.95	1.02	0.95	1.03
EA*4X48*21A*	*8MX*1102120**	0.95	1.01	0.94	1.02	ED*4X60J**	*9MX*1002116A**	0.98	1.06	0.95	1.03
EA*4X48*21A*	*9MA*1002120A**	0.94	1.02	0.93	1.05	ED*4X60L**	*9MA*1002120A**	0.95	1.01	0.95	1.03
EA*4X48*21A*	*9MV*0801716A**	0.95	1.05	0.92	1.04	ED*4X60L**	*9MA*1202422A**	0.95	1.00	0.95	1.01
EA*4X48*21A*	*9MV*1002116A**	0.93	1.02	0.92	1.04	ED*4X60L**	*9MV*1002116A**	0.95	1.02	0.95	1.01
EA*4X48*21A*	*9MX*0801716A**	0.94	1.04	0.93	1.05	ED*4X60L**	*9MV*1202422A**	0.95	1.00	0.94	1.05
EA*4X48*21A*	*9MX*1002116A**	0.95	1.06	0.93	1.05	ED*4X60L**	*9MX*1002116A**	0.98	1.06	0.96	1.04
EA*4X48*21A*	NOMV156E19*	0.88	0.99	0.93	1.05	ED*4X60L**	*9MX*1202422A**	0.99	1.05	0.96	1.03
EA*4X48*21A*	OLV112A16A	0.95	1.06	0.93	1.08	EHD4X48A**	*9MA*1002120A**	0.95	1.02	0.94	1.05
EA*4X48*21A*	-	0.94	1.10	0.93	1.07	EHD4X48A**	*9MA*1202422A**	0.95	1.01	0.94	1.05
EA*4X48*24A*	*8MPV100	0.97	1.03	0.95	1.06	EHD4X48A**	*9MV*0801716A**	0.94	1.03	0.93	1.05
EA*4X48*24A*	*8MPV125	0.96	1.02	0.95	1.06	EHD4X48A**	*9MV*1002116A**	0.94	1.02	0.93	1.01
EA*4X48*24A*	*8MV*1102120**	0.94	1.01	0.94	1.05	EHD4X48A**	*9MV*1202422A**	0.94	1.00	0.93	1.03
EA*4X48*24A*	*8MV*1352422**	0.94	1.00	0.94	1.02	EHD4X48A**	*9MX*0801716A**	0.95	1.04	0.94	1.06

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X48*24A*	*8MX*0902116**	0.95	1.01	0.94	1.05	EHD4X48A**	*9MX*1002116A**	0.97	1.06	0.94	1.05
EA*4X48*24A*	*8MX*1102120**	0.97	1.04	0.94	1.02	EHD4X48A**	*9MX*1202422A**	0.98	1.06	0.95	1.03
EA*4X48*24A*	*8MX*1352420**	0.97	1.04	0.94	1.02	EHD4X60A**	*9MA*1002120A**	0.96	1.02	0.95	1.01
EA*4X48*24A*	*9MA*1002120A**	0.94	1.02	0.93	1.05	EHD4X60A**	*9MA*1202422A**	0.96	1.00	0.96	1.00
EA*4X48*24A*	*9MA*1202422A**	0.94	1.01	0.93	1.03	EHD4X60A**	*9MV*0801716A**	0.95	1.02	0.95	1.03
EA*4X48*24A*	*9MPV100	0.96	1.04	0.94	1.06	EHD4X60A**	*9MV*1002116A**	0.96	1.02	0.95	1.01
EA*4X48*24A*	*9MPV125	0.96	1.03	0.94	1.05	EHD4X60A**	*9MV*1202422A**	0.96	1.00	0.95	1.06
EA*4X48*24A*	*9MV*1002116A**	0.94	1.02	0.93	1.05	EHD4X60A**	*9MX*0801716A**	0.97	1.03	0.96	1.07
EA*4X48*24A*	*9MV*1202422A**	0.94	1.00	0.92	1.04	EHD4X60A**	*9MX*1002116A**	0.98	1.06	0.96	1.04
EA*4X48*24A*	*9MVX080	0.96	1.04	0.94	1.06	EHD4X60A**	*9MX*1202422A**	0.99	1.05	0.97	1.04
EA*4X48*24A*	*9MVX100	0.95	1.03	0.94	1.05	EN(A,D)4X48*24**	*9MA*1002120A**	0.94	1.01	0.93	1.03
EA*4X48*24A*	*9MX*1002116A**	0.96	1.07	0.93	1.05	EN(A,D)4X48*24**	*9MA*1202422A**	0.94	1.01	0.93	1.03
EA*4X48*24A*	*9MX*1202422A**	0.97	1.06	0.94	1.02	EN(A,D)4X48*24**	*9MV*1002116A**	0.94	1.02	0.93	1.05
EA*4X48*24A*	MV16J22**B*	0.96	1.00	0.95	0.99	EN(A,D)4X48*24**	*9MV*1202422A**	0.94	1.01	0.93	1.05
EA*4X48*24A*	MV20L24**B*	0.96	1.00	0.95	0.99	EN(A,D)4X48*24**	*9MX*1002116A**	0.96	1.06	0.94	1.05
EA*4X48*24A*	NOMV156E19*	0.88	0.99	0.93	1.03	EN(A,D)4X48*24**	*9MX*1202422A**	0.97	1.05	0.94	1.02
EA*4X48*24A*	OLV112A16A	0.95	1.06	0.93	1.07	EN(A,D)4X61*24**	*9MA*1002120A**	0.97	1.01	0.96	1.03
EA*4X48*24A*	-	0.94	1.10	0.93	1.07	EN(A,D)4X61*24**	*9MA*1202422A**	0.97	1.00	0.96	1.00
EA*4X60*21A*	*8MV*0901716**	0.96	1.01	0.96	1.04	EN(A,D)4X61*24**	*9MV*1002116A**	0.97	1.01	0.96	1.03
EA*4X60*21A*	*8MV*1102120**	0.96	1.01	0.96	1.04	EN(A,D)4X61*24**	*9MV*1202422A**	0.97	1.00	0.96	1.04
EA*4X60*21A*	*8MX*0701716**	0.97	1.05	0.95	1.09	EN(A,D)4X61*24**	*9MX*1002116A**	0.99	1.05	0.97	1.04
EA*4X60*21A*	*8MX*0902116**	0.97	1.01	0.96	1.04	EN(A,D)4X61*24**	*9MX*1202422A**	1.01	1.05	0.98	1.02
EA*4X60*21A*	*8MX*1102120**	0.99	1.03	0.96	1.00	EN(A,D,W)4X48*21**	*9MA*1002120A**	0.94	1.01	0.93	1.03
EA*4X60*21A*	*9MA*1002120A**	0.95	1.01	0.95	1.03	EN(A,D,W)4X48*21**	*9MV*0801716A**	0.94	1.02	0.93	1.05

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X60*21A*	*9MV*0801716A**	0.95	1.02	0.94	1.02	EN(A,D,W)4X48*21**	*9MV*1002116A**	0.94	1.02	0.93	1.05
EA*4X60*21A*	*9MV*1002116A**	0.95	1.02	0.95	1.03	EN(A,D,W)4X48*21**	*9MX*0801716A**	0.95	1.04	0.93	1.05
EA*4X60*21A*	*9MX*0801716A**	0.96	1.04	0.95	1.08	EN(A,D,W)4X48*21**	*9MX*1002116A**	0.96	1.06	0.94	1.06
EA*4X60*21A*	*9MX*1002116A**	0.98	1.06	0.95	1.03	EN(A,D,W)4X60*24**	*9MA*1002120A**	0.95	1.01	0.95	1.01
EA*4X60*21A*	NOMV156E19*	0.89	0.98	0.96	1.07	EN(A,D,W)4X60*24**	*9MA*1202422A**	0.95	1.00	0.95	1.01
EA*4X60*21A*	OLV112A16A	0.97	1.05	0.96	1.09	EN(A,D,W)4X60*24**	*9MV*1002116A**	0.95	1.01	0.95	1.01
EA*4X60*21A*	-	0.96	1.11	0.95	1.08	EN(A,D,W)4X60*24**	*9MV*1202422A**	0.96	1.00	0.94	1.05
EA*4X60*24A*	*8MPV100	0.98	1.03	0.97	1.05	EN(A,D,W)4X60*24**	*9MX*1002116A**	0.98	1.06	0.95	1.03
EA*4X60*24A*	*8MPV125	0.98	1.01	0.97	1.04	EN(A,D,W)4X60*24**	*9MX*1202422A**	0.99	1.05	0.96	1.03
EA*4X60*24A*	*8MV*1102120**	0.96	1.01	0.96	1.04	ENH4X48*21**	*9MA*1002120A**	0.94	1.01	0.93	1.03
EA*4X60*24A*	*8MV*1352422**	0.96	1.00	0.96	1.00	ENH4X48*21**	*9MA*1202422A**	0.94	1.01	0.93	1.03
EA*4X60*24A*	*8MX*0902116**	0.97	1.01	0.96	1.04	ENH4X48*21**	*9MV*0801716A**	0.94	1.02	0.93	1.05
EA*4X60*24A*	*8MX*1102120**	0.99	1.03	0.96	1.00	ENH4X48*21**	*9MV*1002116A**	0.94	1.02	0.93	1.05
EA*4X60*24A*	*8MX*1352420**	0.99	1.04	0.96	1.03	ENH4X48*21**	*9MV*1202422A**	0.94	1.01	0.93	1.05
EA*4X60*24A*	*9MA*1002120A**	0.95	1.01	0.95	1.03	ENH4X48*21**	*9MX*0801716A**	0.95	1.04	0.93	1.04
EA*4X60*24A*	*9MA*1202422A**	0.95	1.00	0.95	1.01	ENH4X48*21**	*9MX*1002116A**	0.96	1.06	0.94	1.05
EA*4X60*24A*	*9MPV100	0.98	1.03	0.97	1.08	ENH4X48*21**	*9MX*1202422A**	0.97	1.05	0.94	1.02
EA*4X60*24A*	*9MPV125	0.98	1.03	0.97	1.05	ENH4X60*24**	*9MA*1002120A**	0.95	1.01	0.95	1.01
EA*4X60*24A*	*9MV*1002116A**	0.95	1.02	0.95	1.01	ENH4X60*24**	*9MA*1202422A**	0.95	1.00	0.95	1.01
EA*4X60*24A*	*9MV*1202422A**	0.95	1.00	0.94	1.05	ENH4X60*24**	*9MV*0801716A**	0.95	1.02	0.94	1.02
EA*4X60*24A*	*9MVX080	0.98	1.04	0.97	1.08	ENH4X60*24**	*9MV*1002116A**	0.95	1.01	0.95	1.01
EA*4X60*24A*	*9MVX100	0.98	1.03	0.96	1.04	ENH4X60*24**	*9MV*1202422A**	0.96	1.00	0.94	1.05
EA*4X60*24A*	*9MX*1002116A**	0.98	1.06	0.96	1.04	ENH4X60*24**	*9MX*0801716A**	0.95	1.02	0.95	1.05
EA*4X60*24A*	*9MX*1202422A**	0.99	1.05	0.96	1.03	ENH4X60*24**	*9MX*1002116A**	0.98	1.06	0.95	1.03

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X60*24A*	MV16J22**B*	0.98	1.00	0.97	1.01	ENH4X60*24**	*9MX*1202422A**	0.99	1.05	0.96	1.03
EA*4X60*24A*	MV20L24**B*	0.98	1.00	0.97	1.01	ENH4X61*24**	*9MA*1002120A**	0.96	1.02	0.95	1.03
EA*4X60*24A*	NOMV156E19*	0.89	0.98	0.96	1.04	ENH4X61*24**	*9MA*1202422A**	0.96	1.01	0.95	1.01
EA*4X60*24A*	OLV112A16A	0.98	1.06	0.96	1.09	ENH4X61*24**	*9MV*0801716A**	0.95	1.03	0.95	1.03
EA*4X60*24A*	-	0.96	1.11	0.95	1.08	ENH4X61*24**	*9MV*1002116A**	0.95	1.01	0.95	1.01
ED*4X48F**	*9MV*0801716A**	0.94	1.02	0.93	1.05	ENH4X61*24**	*9MV*1202422A**	0.95	1.00	0.95	1.06
ED*4X48F**	*9MX*0801716A**	0.95	1.04	0.94	1.06	ENH4X61*24**	*9MX*0801716A**	0.97	1.04	0.96	1.07
ED*4X48J**	*9MA*1002120A**	0.94	1.02	0.93	1.05	ENH4X61*24**	*9MX*1002116A**	0.98	1.07	0.96	1.04
-	-	-	-	-	-	ENH4X61*24**	*9MX*1202422A**	0.99	1.06	0.97	1.04

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
(CHT)4A660											
*FVM4X60****	-	1.00	1.00	1.00	1.00	ENH4X61*24**	*9MA*1202422A**	0.95	1.00	0.96	1.01
EA*4X60*21A*	*8MV*1102120**	0.95	1.00	0.95	1.03	EA*4X60*24A*	*9MV*1202422A**	0.94	1.03	0.95	1.02
EA*4X60*21A*	*8MX*1102120**	0.95	0.99	0.96	1.01	EN(A,D)4X61*24**	*9MV*1202422A**	0.95	1.03	0.97	1.02
EA*4X60*21A*	*9MA*1002120A**	0.94	1.01	0.94	1.03	ENH4X61*24**	*9MV*1202422A**	0.94	1.03	0.96	1.03
EA*4X60*24A*	*8MPV100	0.95	1.01	0.96	1.05	EA*4X60*24A*	*9MPV100	0.95	1.03	0.96	1.07
EA*4X60*24A*	*8MPV125	0.95	0.99	0.96	1.03	EA*4X60*24A*	*9MPV125	0.95	1.02	0.96	1.05
EA*4X60*24A*	*8MV*1102120**	0.95	1.00	0.96	1.03	ED*4X60L**	*9MV*1202422A**	0.94	1.03	0.95	1.02
EA*4X60*24A*	*8MV*1352422**	0.95	0.99	0.96	1.01	EHD4X60A**	*9MV*1202422A**	0.94	1.02	0.96	1.01
EA*4X60*24A*	*8MX*1102120**	0.95	0.99	0.96	1.01	EN(A,D,W)4X60*24**	*9MV*1202422A**	0.94	1.03	0.95	1.02
EA*4X60*24A*	*8MX*1352420**	0.95	1.00	0.95	1.02	ENH4X60*24**	*9MV*1202422A**	0.94	1.03	0.95	1.02
EA*4X60*24A*	*9MA*1002120A**	0.94	1.01	0.95	1.04	EA*4X60*24A*	*9MVX080	0.95	1.03	0.96	1.07

COOLING Multiplying Factors for other Indoor Combinations (continued)

Indoor Model	Furnace Model	Low		High		Indoor Model	Furnace Model	Low		High	
		Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)			Capac. (MBh)	Power (AMPS)	Capac. (MBh)	Power (AMPS)
EA*4X60*24A*	*9MA*1202422A**	0.94	0.99	0.95	1.00	ENH4X61*24**	*9MX*1202422A**	0.95	1.01	0.96	1.03
ED*4X60J**	*9MA*1002120A**	0.94	1.01	0.94	1.03	EA*4X60*24A*	*9MVX100	0.95	1.01	0.96	1.05
ED*4X60L**	*9MA*1002120A**	0.94	1.01	0.95	1.04	EA*4X60*24A*	*9MX*1202422A**	0.94	0.98	0.95	1.00
ED*4X60L**	*9MA*1202422A**	0.94	0.99	0.95	1.00	EA*4X60*24A*	MV16J22**B*	0.97	0.98	0.97	1.00
EHD4X60A**	*9MA*1002120A**	0.94	1.00	0.95	1.03	ED*4X60L**	*9MX*1202422A**	0.95	1.02	0.95	1.02
EHD4X60A**	*9MA*1202422A**	0.95	0.99	0.96	1.01	EA*4X60*24A*	MV20L24**B*	0.97	0.98	0.97	1.00
EN(A,D)4X61*24**	*9MA*1002120A**	0.95	1.00	0.96	1.03	EHD4X60A**	*9MX*1202422A**	0.97	1.02	0.96	1.01
EN(A,D)4X61*24**	*9MA*1202422A**	0.95	0.98	0.97	1.02	EA*4X60*21A*	NOMV156E19*	0.90	0.95	0.95	1.04
EN(A,D,W)4X60*24**	*9MA*1002120A**	0.94	1.01	0.94	1.03	EN(A,D)4X61*24**	*9MX*1202422A**	0.97	1.01	0.97	1.02
EN(A,D,W)4X60*24**	*9MA*1202422A**	0.94	0.99	0.95	1.00	EA*4X60*24A*	NOMV156E19*	0.90	0.95	0.95	1.04
ENH4X60*24**	*9MA*1002120A**	0.94	1.01	0.94	1.03	EN(A,D,W)4X60*24**	*9MX*1202422A**	0.95	1.01	0.95	1.02
ENH4X60*24**	*9MA*1202422A**	0.94	0.99	0.95	1.00	EA*4X60*21A*	-	0.94	1.06	0.96	1.03
ENH4X61*24**	*9MA*1002120A**	0.94	1.01	0.95	1.04	ENH4X60*24**	*9MX*1202422A**	0.95	1.01	0.95	1.02
-	-	-	-	-	-	EA*4X60*24A*	-	0.94	1.06	0.96	1.03