

TECHNICAL SUPPORT MANUAL

Split System Air Conditioner

R4A3, WCA3**4

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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R4A318A*KA100	WCA3184GKA1
R4A324A*KA100	WCA3244GKA1
R4A330A*KA100	WCA3304GKA1
R4A336A*KB100	WCA3364GKA1
R4A342A*KB100	WCA3424GKA1
R4A348A*KB100	WCA3484GKA1
R4A360A*KB100	WCA3604GKA1

* = A for standard inlet grille,

G for inlet grille with 3/8" (10mm) tight-wire spacing



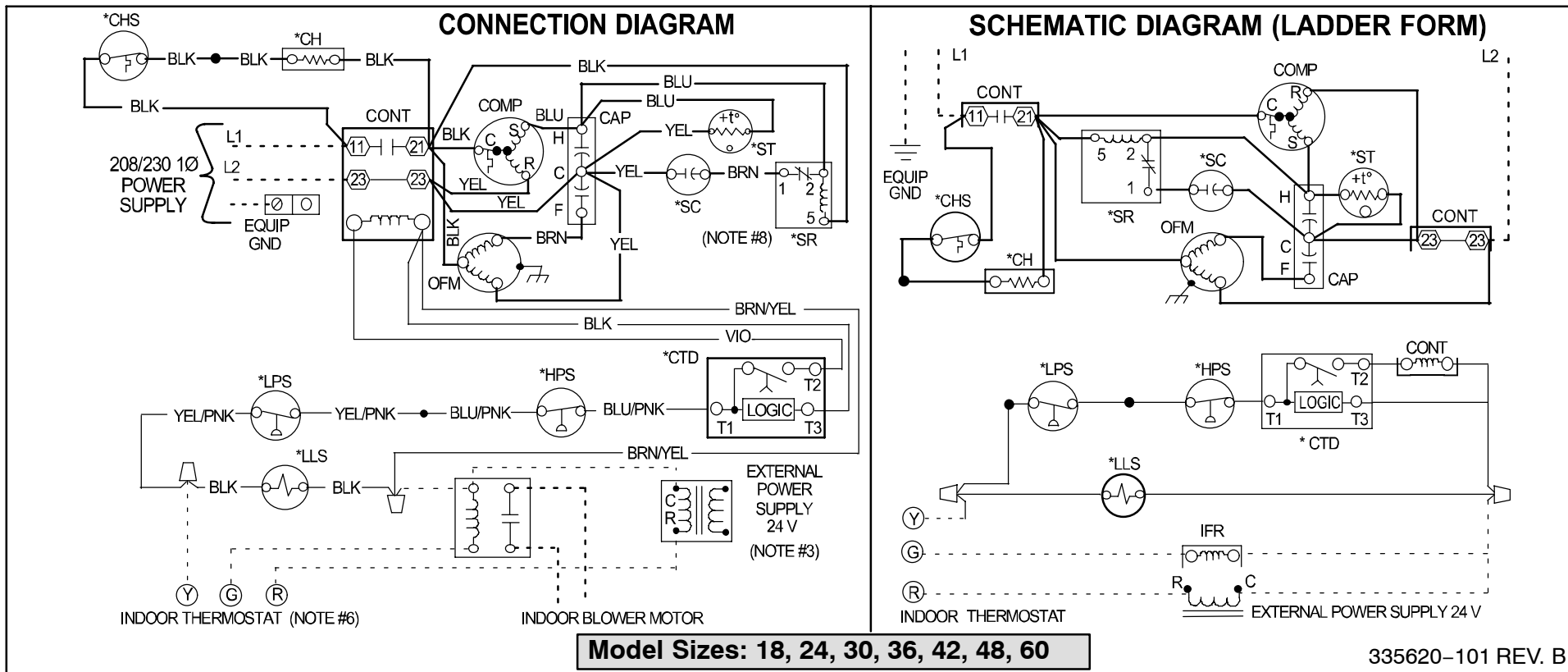
DEATH, PERSONAL INJURY, AND/OR PROPERTY DAMAGE HAZARD

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.



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.

LEGEND

—	FACTORY POWER WIRING
—	FACTORY CONTROL WIRING
- - -	FIELD CONTROL WIRING
- - -	FIELD POWER WIRING
○	COMPONENT CONNECTION
⊕	FIELD SPLICE
•	JUNCTION
⊏	PLUG RECEPTACLE
CONT	CONTACTOR
CAP	CAPACITOR (DUAL RUN)
*CH	CRANKCASE HEATER
*CHS	CRANKCASE HEATER SWITCH
COMP	COMPRESSOR
*CTD	COMPRESSOR TIME DELAY
*DTS	DISCHARGE TEMP SWITCH
*HPS	HIGH PRESSURE SWITCH
IFR	INDOOR FAN RELAY
*LLS	LIQ LINE SOLENOID VALVE
*LPS	LOW PRESSURE SWITCH
OFM	OUTDOOR FAN MOTOR
*SC	START CAPICATOR
*SR	START RELAY
*ST	START THERMISTOR

* MAY BE FACTORY INSTALLED

R-410A CHARGING CHART												
Measured Liquid Pressure (psig)	Rating Plate (required) Subcooling Temperature ° F (° C)											
	° F 6	(° C) 3	° F 8	(° C) 4	° F 10	(° C) 6	° F 12	(° C) 7	F 14	(° C) 8	F 16	(° C) 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

		18 Size Outdoor With ED*4X18B** Indoor Cooling																								
		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†	20.35	18.72	17.21	16.70	19.43	17.86	16.41	16.05	18.46	16.95	15.59	15.37	17.51	16.04	14.75	14.67	16.49	15.07	13.92	13.92					
	S/T‡	0.50	0.66	0.86	1.00	0.50	0.68	0.88	1.00	0.51	0.69	0.90	1.00	0.52	0.71	0.92	1.00	0.53	0.73	1.00	1.00					
	AMPS*	5.11	5.19	5.26	5.28	5.86	5.94	6.00	6.02	6.68	6.76	6.82	6.84	7.60	7.68	7.75	7.75	8.61	8.70	8.77	8.77					
	HI PR	286	282	279	277	329	325	321	320	376	372	368	368	428	424	421	421	485	482	479	479					
	LO PR	155	142	130	126	158	144	132	130	160	146	135	133	162	149	138	137	165	151	141	141					
600	MBh†	20.73	19.03	17.59	17.38	19.69	18.14	16.78	16.69	18.69	17.20	15.95	15.97	17.72	16.27	15.23	15.23	16.67	15.27	14.44	14.44					
	S/T‡	0.51	0.69	0.90	1.00	0.52	0.71	0.92	1.00	0.53	0.73	1.00	1.00	0.54	0.75	1.00	1.00	0.55	0.77	1.00	1.00					
	AMPS*	5.22	5.29	5.36	5.37	5.96	6.04	6.10	6.11	6.78	6.86	6.92	6.92	7.70	7.78	7.84	7.84	8.72	8.80	8.85	8.85					
	HI PR	287	283	280	279	330	326	323	322	377	373	370	370	429	425	422	422	486	482	480	480					
	LO PR	159	145	134	132	161	147	136	136	163	150	139	139	165	152	143	143	168	154	147	147					
675	MBh†	21.01	19.25	17.94	17.92	19.88	18.34	17.20	17.20	18.85	17.38	16.44	16.44	17.86	16.43	15.67	15.67	16.79	15.41	14.84	14.84					
	S/T‡	0.53	0.72	0.99	1.00	0.54	0.74	1.00	1.00	0.55	0.76	1.00	1.00	0.56	0.78	1.00	1.00	0.57	0.81	1.00	1.00					
	AMPS*	5.33	5.40	5.46	5.46	6.06	6.14	6.20	6.20	6.89	6.97	7.02	7.02	7.81	7.89	7.93	7.93	8.82	8.91	8.94	8.94					
	HI PR	288	284	281	281	331	327	324	324	378	374	371	371	430	426	424	424	487	483	482	482					
	LO PR	162	148	138	137	164	150	141	141	166	152	144	144	168	154	148	148	170	157	151	151					

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

		24 Size Outdoor With ED*4X24B** Indoor Cooling																								
		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†	27.06	24.87	22.98	22.41	25.82	23.82	22.00	21.61	24.64	22.70	20.97	20.75	23.44	21.55	19.91	19.85	22.11	20.29	18.87	18.87					
	S/T‡	0.49	0.66	0.85	1.00	0.50	0.67	0.87	1.00	0.50	0.69	0.89	1.00	0.51	0.70	0.91	1.00	0.52	0.72	1.00	1.00					
	AMPS*	7.15	7.12	7.10	7.10	8.00	7.98	7.96	7.96	8.95	8.93	8.92	8.92	10.01	9.99	9.98	9.98	11.17	11.16	11.16	11.16					
	HI PR	291	286	283	281	335	330	326	325	383	378	374	374	436	431	427	427	493	489	486	486					
	LO PR	156	142	130	127	158	144	132	130	160	146	135	133	162	148	137	137	164	151	140	140					
800	MBh†	27.49	25.24	23.44	23.25	26.14	24.15	22.46	22.40	24.93	23.00	21.49	21.49	23.69	21.83	20.55	20.55	22.33	20.54	19.52	19.52					
	S/T‡	0.51	0.69	0.89	1.00	0.52	0.71	0.91	1.00	0.52	0.72	1.00	1.00	0.53	0.74	1.00	1.00	0.55	0.76	1.00	1.00					
	AMPS*	7.31	7.28	7.27	7.26	8.16	8.14	8.13	8.12	9.11	9.09	9.08	9.08	10.17	10.15	10.14	10.14	11.32	11.32	11.32	11.32					
	HI PR	292	287	284	283	336	331	328	327	384	379	376	376	437	432	429	429	494	490	487	487					
	LO PR	159	146	134	133	161	147	136	136	163	149	139	139	165	151	143	143	167	154	146	146					
900	MBh†	27.76	25.50	23.92	23.92	26.38	24.39	23.03	23.04	25.12	23.21	22.08	22.08	23.86	22.02	21.10	21.10	22.46	20.70	20.02	20.02					
	S/T‡	0.52	0.72	1.00	1.00	0.53	0.74	1.00	1.00	0.54	0.76	1.00	1.00	0.55	0.78	1.00	1.00	0.57	0.80	1.00	1.00					
	AMPS*	7.48	7.44	7.43	7.43	8.32	8.30	8.29	8.29	9.27	9.25	9.24	9.24	10.33	10.31	10.30	10.30	11.48	11.47	11.47	11.47					
	HI PR	293	288	285	285	337	332	329	329	385	380	377	377	438	433	431	431	495	490	489	489					
	LO PR	162	148	138	138	164	150	141	141	166	152	144	144	168	154	148	148	170	156	151	151					

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

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

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

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

^ System amps are total of indoor and outdoor amps.

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

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

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

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

		30 Size Outdoor With ED*4X30B** Indoor Cooling																								
		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					
875	MBh†	31.88	29.45	27.29	26.90	30.55	28.21	26.15	25.94	29.17	26.90	24.96	24.91	27.73	25.54	23.83	23.83	26.14	24.04	22.65	22.65					
	S/T‡	0.52	0.70	0.91	1.00	0.53	0.72	0.93	1.00	0.53	0.73	0.95	1.00	0.54	0.75	1.00	1.00	0.56	0.77	1.00	1.00					
	AMPS*	8.58	8.55	8.52	8.52	9.62	9.59	9.57	9.57	10.77	10.75	10.73	10.73	12.06	12.03	12.02	12.02	13.46	13.45	13.45	13.45					
	HI PR	297	292	288	287	342	337	332	332	391	385	381	381	444	439	435	435	502	497	494	494					
	LO PR	158	144	132	130	159	146	134	133	161	148	137	136	163	150	140	140	166	152	143	143					
1000	MBh†	32.25	29.82	27.85	27.82	30.87	28.55	26.81	26.81	29.45	27.20	25.72	25.73	27.98	25.81	24.59	24.60	26.34	24.28	23.35	23.35					
	S/T‡	0.54	0.74	0.99	1.00	0.55	0.75	1.00	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*	8.79	8.75	8.73	8.73	9.83	9.79	9.78	9.78	10.98	10.95	10.93	10.93	12.26	12.24	12.23	12.23	13.66	13.65	13.65	13.65					
	HI PR	298	293	289	289	343	338	334	334	392	386	383	383	445	440	437	437	502	498	496	496					
	LO PR	161	147	136	136	163	149	139	139	164	151	142	142	166	153	145	145	168	155	149	149					
1125	MBh†	32.50	30.08	28.55	28.55	31.08	28.78	27.50	27.50	29.63	27.41	26.36	26.37	28.13	26.00	25.19	25.19	26.46	24.45	23.89	23.89					
	S/T‡	0.56	0.77	1.00	1.00	0.57	0.79	1.00	1.00	0.58	0.81	1.00	1.00	0.59	0.84	1.00	1.00	0.61	0.86	1.00	1.00					
	AMPS*	8.99	8.96	8.94	8.94	10.03	10.00	9.98	9.98	11.18	11.15	11.14	11.14	12.46	12.44	12.43	12.43	13.86	13.85	13.85	13.85					
	HI PR	299	294	291	291	344	339	336	336	393	387	385	385	446	441	439	439	503	498	497	497					
	LO PR	163	150	141	141	165	151	144	144	167	153	147	147	169	155	150	150	171	157	154	154					

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

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

†† 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.)

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

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

		36 Size Outdoor With ED*4X48J** Indoor Cooling																								
		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					
1050	MBh†	29.86	36.66	33.97	33.42	38.13	35.22	32.65	32.30	36.46	33.64	31.21	31.07	34.71	31.99	29.76	29.78	32.77	30.17	28.35	28.35					
	S/T‡	1.00	0.69	0.89	1.00	0.52	0.70	0.91	1.00	0.52	0.71	0.93	1.00	0.53	0.73	1.00	1.00	0.54	0.75	1.00	1.00					
	AMPS*	16.97	10.48	10.46	10.45	11.80	11.77	11.75	11.74	13.22	13.19	13.17	13.17	14.79	14.77	14.75	14.75	16.51	16.49	16.48	16.48					
	HI PR	494	294	289	288	344	338	333	332	392	386	380	380	444	438	433	433	500	494	490	490					
	LO PR	155	146	134	131	161	147	135	134	163	149	138	137	165	151	140	140	167	153	144	144					
1200	MBh†	40.35	37.10	34.75	34.54	38.49	35.62	33.33	33.37	36.81	34.00	32.07	32.07	35.01	32.31	30.71	30.71	33.02	30.45	29.20	29.20					
	S/T‡	0.53	0.72	0.92	1.00	0.53	0.74	1.00	1.00	0.54	0.75	1.00	1.00	0.55	0.77	1.00	1.00	0.57	0.80	1.00	1.00					
	AMPS*	10.76	10.72	10.71	10.70	12.05	12.02	11.99	12.00	13.47	13.44	13.42	13.42	15.04	15.01	15.00	15.00	16.75	16.73	16.73	16.73					
	HI PR	301	295	291	291	346	339	335	335	393	387	383	383	445	439	435	435	501	495	492	492					
	LO PR	163	149	138	137	164	150	140	140	166	152	143	143	168	154	146	146	170	156	150	150					
1350	MBh†	40.70	37.49	35.43	35.43	38.75	35.90	34.21	34.21	37.03	34.25	32.85	32.85	35.19	32.53	31.43	31.43	33.17	30.65	29.86	29.86					
	S/T‡	0.54	0.75	1.00	1.00	0.55	0.77	1.00	1.00	0.56	0.79	1.00	1.00	0.58	0.81	1.00	1.00	0.59	0.84	1.00	1.00					
	AMPS*	11.00	10.97	10.96	10.96	12.29	12.26	12.25	12.25	13.72	13.69	13.67	13.67	15.29	15.26	15.25	15.25	17.00	16.98	16.97	16.97					
	HI PR	301	296	293	293	347	340	337	337	395	388	385	385	446	440	438	438	502	496	494	494					
	LO PR	165	151	143	143	167	153	145	145	169	155	148	148	170	157	151	151	172	159	155	155					

† Total capacities are net (I.D. blower heat subtracted) system capacities based on 25' line set.
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†† At TVA rating indoor condition (75 °F db, 63 °F wb), all other indoor air temperatures are at 80 °F db
If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

^ System amps are total of indoor and outdoor amps.

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

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

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

		42 Size Outdoor With ED*4X42J** Indoor Cooling																								
		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					
1225	MBh†	46.73	42.85	39.35	38.30	44.70	40.97	37.65	36.91	42.56	38.98	35.87	35.44	40.30	36.89	34.03	33.88	37.86	34.65	32.16	32.18					
	S/T‡	0.49	0.66	0.86	1.00	0.50	0.67	0.87	1.00	0.51	0.69	0.89	1.00	0.52	0.71	0.92	1.00	0.53	0.73	1.00	1.00					
	AMPS*	12.56	12.49	12.42	12.41	13.91	13.83	13.77	13.76	15.39	15.32	15.27	15.26	17.05	16.99	16.94	16.94	18.86	18.81	18.77	18.77					
	HI PR	278	274	271	270	322	318	314	313	370	365	361	361	421	416	412	412	475	470	467	467					
	LO PR	152	139	127	124	154	141	129	127	156	143	132	130	159	145	134	134	161	148	138	138					
1400	MBh†	47.42	43.52	40.18	39.77	45.31	41.57	38.46	38.29	43.09	39.50	36.65	36.71	40.75	37.35	35.04	35.04	38.23	35.04	33.24	33.24					
	S/T‡	0.51	0.69	0.90	1.00	0.52	0.70	0.91	1.00	0.52	0.72	1.00	1.00	0.53	0.74	1.00	1.00	0.55	0.77	1.00	1.00					
	AMPS*	12.86	12.78	12.72	12.71	14.20	14.12	14.07	14.06	15.68	15.61	15.56	15.56	17.34	17.27	17.24	17.24	19.14	19.09	19.07	19.07					
	HI PR	280	275	272	272	323	319	315	315	371	366	362	362	422	417	414	414	476	471	469	469					
	LO PR	155	142	131	129	157	144	133	133	159	146	136	136	161	148	139	139	164	151	143	143					
1575	MBh†	47.94	44.03	40.98	40.96	45.76	42.02	39.39	39.40	43.48	39.90	37.73	37.74	41.08	37.70	35.97	35.98	38.49	35.34	34.07	34.07					
	S/T‡	0.52	0.72	0.99	1.00	0.53	0.74	1.00	1.00	0.54	0.75	1.00	1.00	0.55	0.78	1.00	1.00	0.57	0.80	1.00	1.00					
	AMPS*	13.15	13.07	13.01	13.01	14.49	14.41	14.36	14.36	15.97	15.90	15.86	15.86	17.62	17.56	17.53	17.53	19.43	19.38	19.36	19.36					
	HI PR	280	276	273	273	324	320	317	317	372	367	364	364	423	418	415	415	477	472	470	470					
	LO PR	158	144	134	134	160	146	137	137	162	148	141	141	164	151	144	144	166	153	148	148					

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

		48 Size Outdoor With ED*4X48J** Indoor Cooling																								
		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					
1400	MBh†	54.60	49.83	45.55	44.50	52.26	47.64	43.56	42.88	49.78	45.33	41.50	41.17	47.16	42.89	39.36	39.35	44.34	40.29	37.40	37.40					
	S/T‡	0.51	0.68	0.89	1.00	0.51	0.70	0.91	1.00	0.52	0.71	0.93	1.00	0.53	0.73	1.00	1.00	0.54	0.75	1.00	1.00					
	AMPS*	14.51	14.47	14.45	14.45	16.11	16.07	16.05	16.05	17.88	17.85	17.83	17.83	19.84	19.81	19.80	19.80	21.99	21.97	21.97	21.97					
	HI PR	294	290	286	285	339	335	331	330	389	384	380	380	444	439	435	435	503	498	495	495					
	LO PR	154	141	129	126	156	143	131	129	158	145	134	133	160	147	136	136	163	150	140	140					
1600	MBh†	55.49	50.68	46.57	46.24	53.07	48.40	44.58	44.52	50.49	46.00	42.69	42.69	47.77	43.48	40.76	40.76	44.86	40.81	38.69	38.69					
	S/T‡	0.52	0.71	0.93	1.00	0.53	0.73	0.99	1.00	0.54	0.75	1.00	1.00	0.55	0.77	1.00	1.00	0.56	0.79	1.00	1.00					
	AMPS*	14.85	14.81	14.79	14.79	16.45	16.41	16.39	16.39	18.22	18.18	18.17	18.17	20.18	20.15	20.14	20.14	22.32	22.31	22.30	22.30					
	HI PR	295	291	287	287	341	336	332	332	390	385	382	382	445	440	437	437	504	499	497	497					
	LO PR	157	144	133	132	159	146	135	135	161	148	138	138	163	150	142	142	166	152	145	145					
1800	MBh†	56.14	51.29	47.65	47.66	53.64	48.95	45.85	45.85	50.99	46.49	43.93	43.94	48.20	43.92	41.90	41.90	45.21	41.18	39.72	39.72					
	S/T‡	0.54	0.75	1.00	1.00	0.55	0.76	1.00	1.00	0.56	0.78	1.00	1.00	0.57	0.81	1.00	1.00	0.59	0.84	1.00	1.00					
	AMPS*	15.19	15.15	15.13	15.13	16.78	16.75	16.73	16.73	18.55	18.52	18.50	18.50	20.51	20.48	20.47	20.47	22.66	22.64	22.64	22.64					
	HI PR	295	291	288	288	341	337	334	334	391	386	384	384	446	441	438	438	505	500	498	498					
	LO PR	160	147	137	137	162	148	140	140	164	150	143	143	166	152	146	146	168	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.)

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

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

		60 Size Outdoor With ED*4X60L** Indoor Cooling																								
		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†	67.21	61.78	56.85	55.51	64.33	59.11	54.44	53.53	61.25	56.26	51.89	51.41	57.99	53.27	49.28	49.17	54.51	50.10	46.74	46.74					
	S/T‡	0.51	0.68	0.88	1.00	0.51	0.69	0.90	1.00	0.52	0.71	0.92	1.00	0.53	0.73	0.94	1.00	0.54	0.75	1.00	1.00					
	AMPS*	18.11	17.91	17.74	17.69	20.10	19.90	19.72	19.69	22.29	22.09	21.91	21.90	24.72	24.53	24.37	24.36	27.38	27.21	27.07	27.07					
	HI PR	304	299	294	293	350	345	340	339	401	394	389	388	455	449	443	443	514	507	502	502					
	LO PR	155	142	130	127	157	144	132	130	160	146	134	133	162	148	137	137	164	151	141	141					
2000	MBh†	68.22	62.74	58.02	57.57	65.20	59.96	55.58	55.46	62.01	57.00	53.19	53.20	58.62	53.90	50.79	50.80	55.02	50.62	48.19	48.19					
	S/T‡	0.52	0.71	0.92	1.00	0.53	0.73	0.94	1.00	0.54	0.75	1.00	1.00	0.55	0.77	1.00	1.00	0.56	0.79	1.00	1.00					
	AMPS*	18.57	18.36	18.19	18.17	20.55	20.34	20.17	20.17	22.74	22.53	22.38	22.38	25.16	24.96	24.84	24.84	27.82	27.64	27.54	27.54					
	HI PR	305	300	295	295	352	346	341	341	402	396	391	391	456	450	446	446	515	509	505	505					
	LO PR	159	145	134	133	161	147	136	136	163	149	139	139	165	151	142	142	167	154	146	146					
2250	MBh†	68.93	63.43	59.25	59.25	65.81	60.56	57.01	57.01	62.53	57.53	54.62	54.62	59.04	54.34	52.11	52.12	55.34	50.99	49.36	49.36					
	S/T‡	0.54	0.74	1.00	1.00	0.55	0.76	1.00	1.00	0.56	0.78	1.00	1.00	0.57	0.81	1.00	1.00	0.59	0.83	1.00	1.00					
	AMPS*	19.00	18.80	18.65	18.64	20.98	20.78	20.64	20.64	23.17	22.96	22.85	22.85	25.59	25.39	25.31	25.31	28.24	28.07	28.01	28.01					
	HI PR	306	301	297	297	353	347	343	343	403	397	393	393	458	451	448	448	516	510	507	507					
	LO PR	162	148	138	138	163	150	141	141	165	152	144	144	167	154	147	147	169	156	151	151					

† 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 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)
R4A318											
*ED*4X18B**		1.00	1.00	FEM4P30**A*		1.03	1.02	FXM4X18**A*		1.03	0.94
FEM4P18**A*		1.02	0.93	FS(M,U)4P18**A*		1.02	1.01	FXM4X24**A*		1.03	0.94
FEM4P24**A*		1.02	0.93	FS(M,U)4P24**A*		1.02	1.01	FXM4X30**A*		1.03	0.94
R4A324											
*ED*4X24B**		1.00	1.00	FS(M,U)4P24**A*		1.01	1.01	FXM4X30**A*		1.03	0.98
FEM4P24**A*		1.00	1.00	FS(M,U)4P30**A*		1.02	0.97	FXM4X36**A*		1.03	0.95
FEM4P30**A*		1.02	0.93	FXM4X24**A*		1.02	0.93				
R4A330											
*ED*4X30B**		1.00	1.00	FEM4P42**A*		1.03	1.01	FXM4X30**A*		1.03	0.97
FEM4P30**A*		1.01	1.00	FS(M,U)4P30**A*		1.01	1.00	FXM4X36**A*		1.04	0.93
FEM4P36**A*		1.01	1.00	FS(M,U)4P36**A*		1.01	1.00	FXM4X42**A*		1.04	1.02
R4A336											
*ED*4X48J**		1.00	1.00	ED*4X48L**	*9MVX100	0.98	0.94	EHD4X48A**	*9MVX060	0.98	0.98
ED*4X42F**	*8MPV075	0.98	0.98	ED*4X48L**	MV20L24**B*	0.98	0.93	EHD4X48A**	*9MVX080	0.98	0.98
ED*4X42F**	*9MPV075	0.98	0.98	EHD4X42A**	*8MPV050	0.98	0.98	EHD4X48A**	*9MVX100	0.98	0.94
ED*4X42F**	*9MVX060	0.98	0.98	EHD4X42A**	*8MPV075	0.98	0.98	EHD4X48A**	MV12F19**B*	0.98	0.94
ED*4X42F**	MV12F19**B*	0.98	0.94	EHD4X42A**	*8MPV100	0.98	0.94	EHD4X48A**	MV16J22**B*	0.98	0.94
ED*4X42J**	*8MPV100	0.98	0.94	EHD4X42A**	*8MPV125	0.98	0.94	EHD4X48A**	MV20L24**B*	0.98	0.94
ED*4X42J**	*8MPV125	0.98	0.94	EHD4X42A**	*9MPV050	0.98	0.98	EMA4X48D**		1.00	1.00
ED*4X42J**	*9MPV100	0.98	0.98	EHD4X42A**	*9MPV075	0.98	0.98	FEA4X36**A*		0.97	106764.70
ED*4X42J**	*9MVX080	0.98	0.98	EHD4X42A**	*9MPV100	0.98	0.94	FEM4P36**A*		0.98	0.98
ED*4X42J**	MV16J22**B*	0.98	0.94	EHD4X42A**	*9MPV125	0.98	0.94	FEM4P42**A*		1.01	0.97
ED*4X42L**	*9MPV125	0.98	0.94	EHD4X42A**	*9MVX040	0.98	0.98	FEM4P48**A*		1.01	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*4X42L**	*9MVX100	0.98	0.94	EHD4X42A**	*9MVX060	0.98	0.98	FEM4X36****		1.00	1.00
ED*4X42L**	MV20L24**B*	0.98	0.94	EHD4X42A**	*9MVX080	0.98	0.94	FEM4X42****		1.00	1.00
ED*4X48F**		1.00	1.00	EHD4X42A**	*9MVX100	0.98	0.94	FEM4X48****		1.00	1.00
ED*4X48F**	*8MPV075	0.98	0.98	EHD4X42A**	MV08B15**B*	0.98	0.94	FS(M,U)4P36**A*		0.99	0.99
ED*4X48F**	*9MPV075	0.98	0.98	EHD4X42A**	MV12F19**B*	0.98	0.94	FS(M,U)4P42**A*		1.00	1.00
ED*4X48F**	*9MVX060	0.98	0.98	EHD4X42A**	MV16J22**B*	0.98	0.94	FS(M,U)4X48****		1.00	1.00
ED*4X48F**	MV12F19**B*	0.98	0.94	EHD4X42A**	MV20L24**B*	0.98	0.94	FVM4X24****		0.98	0.98
ED*4X48J**	*8MPV100	0.98	0.94	EHD4X48A**		1.00	1.00	FVM4X36****		0.98	0.94
ED*4X48J**	*8MPV125	0.98	0.94	EHD4X48A**	*8MPV075	0.98	0.98	FVM4X48****		1.00	0.92
ED*4X48J**	*9MPV100	0.98	0.98	EHD4X48A**	*8MPV100	0.98	0.94	FVM4X60****		1.02	0.94
ED*4X48J**	*9MVX080	0.98	0.98	EHD4X48A**	*8MPV125	0.98	0.94	FXM4X36**A*		1.01	0.97
ED*4X48J**	MV16J22**B*	0.98	0.93	EHD4X48A**	*9MPV075	0.98	0.98	FXM4X42**A*		1.01	0.97
ED*4X48L**		1.00	1.00	EHD4X48A**	*9MPV100	0.98	0.94	FXM4X48**A*		1.03	0.94
ED*4X48L**	*9MPV125	0.98	0.94	EHD4X48A**	*9MPV125	0.98	0.94				
R4A342											
*ED*4X42J**		1.00	1.00	ED*4X48J**	MV16J22**B*	1.01	0.97	EHD4X48A**	*9MPV100	1.01	0.97
ED*4X42F**		1.00	1.00	ED*4X48L**		1.01	1.01	EHD4X48A**	*9MPV125	1.01	0.97
ED*4X42F**	*8MPV075	1.00	1.00	ED*4X48L**	*9MPV125	1.01	0.97	EHD4X48A**	*9MVX060	1.01	1.01
ED*4X42F**	MV12F19**B*	1.00	0.96	ED*4X48L**	*9MVX100	1.01	0.97	EHD4X48A**	*9MVX080	1.01	0.97
ED*4X42J**	*8MPV100	1.00	1.00	ED*4X48L**	MV20L24**B*	1.01	0.97	EHD4X48A**	*9MVX100	1.01	0.97
ED*4X42J**	*8MPV125	1.00	0.96	EHD4X42A**		1.00	1.00	EHD4X48A**	MV12F19**B*	1.01	0.97
ED*4X42J**	*9MPV100	1.00	1.00	EHD4X42A**	*8MPV075	1.00	1.00	EHD4X48A**	MV16J22**B*	1.01	0.97
ED*4X42J**	*9MVX080	1.00	1.00	EHD4X42A**	*8MPV100	1.00	0.96	EHD4X48A**	MV20L24**B*	1.01	0.97
ED*4X42J**	MV16J22**B*	1.00	0.96	EHD4X42A**	*8MPV125	1.00	0.96	EMA4X48D**		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*4X42L**		1.00	1.00	EHD4X42A**	*9MPV075	1.00	1.00	FEM4P42**A*		1.04	1.04
ED*4X42L**	*9MPV125	1.00	1.00	EHD4X42A**	*9MPV100	1.00	1.00	FEM4P48**A*		1.04	0.99
ED*4X42L**	*9MVX100	1.00	1.00	EHD4X42A**	*9MPV125	1.00	0.96	FEM4P60**A*		1.05	0.96
ED*4X42L**	MV20L24**B*	1.00	0.96	EHD4X42A**	*9MVX060	1.00	1.00	FEM4X42****		1.00	1.00
ED*4X48F**		1.00	1.00	EHD4X42A**	*9MVX080	1.00	1.00	FEM4X48****		1.01	0.97
ED*4X48F**	*8MPV075	1.00	1.00	EHD4X42A**	*9MVX100	1.00	0.96	FS(M,U)4P42**A*		1.04	1.04
ED*4X48F**	*9MPV075	1.00	1.00	EHD4X42A**	MV12F19**B*	1.00	0.96	FS(M,U)4P48**A*		1.05	1.05
ED*4X48F**	*9MVX060	1.00	1.00	EHD4X42A**	MV16J22**B*	1.00	0.96	FS(M,U)4X42****		1.00	1.00
ED*4X48F**	MV12F19**B*	1.00	0.96	EHD4X42A**	MV20L24**B*	1.00	0.96	FS(M,U)4X48****		1.01	1.01
ED*4X48J**		1.01	1.01	EHD4X48A**		1.01	1.01	FVM4X36****		1.00	0.96
ED*4X48J**	*8MPV100	1.01	0.97	EHD4X48A**	*8MPV075	1.01	1.01	FVM4X48****		1.03	0.94
ED*4X48J**	*8MPV125	1.01	0.97	EHD4X48A**	*8MPV100	1.01	0.97	FVM4X60****		1.04	0.95
ED*4X48J**	*9MPV100	1.01	1.01	EHD4X48A**	*8MPV125	1.01	0.97	FXM4X42**A*		1.04	0.99
ED*4X48J**	*9MVX080	1.01	1.01	EHD4X48A**	*9MPV075	1.01	1.01	FXM4X48**A*		1.05	0.96
								FXM4X60**A*		1.06	0.97
R4A348											
*ED*4X48J**		1.00	1.00	ED*4X60L**	*9MPV125	1.00	1.00	EHD4X60A**	*9MPV125	1.01	1.01
ED*4X48F**		0.98	0.98	ED*4X60L**	*9MVX100	1.00	1.00	EHD4X60A**	*9MVX080	1.01	1.01
ED*4X48J**	*8MPV100	0.98	0.98	ED*4X60L**	MV20L24**B*	1.00	0.96	EHD4X60A**	*9MVX100	1.01	1.01
ED*4X48J**	*8MPV125	0.98	0.98	EHD4X48A**		1.00	1.00	EHD4X60A**	MV16J22**B*	1.01	0.97
ED*4X48J**	MV16J22**B*	0.98	0.94	EHD4X48A**	*8MPV100	1.00	1.00	EHD4X60A**	MV20L24**B*	1.01	0.97
ED*4X48L**		1.00	1.00	EHD4X48A**	*8MPV125	1.00	1.00	EMA4X48D**		0.98	0.98
ED*4X48L**	*9MPV125	0.99	0.99	EHD4X48A**	*9MPV100	0.99	0.99	FEM4P48**A*		0.99	0.99
ED*4X48L**	*9MVX100	0.99	0.99	EHD4X48A**	*9MPV125	0.99	0.99	FEM4P60**A*		1.00	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)
ED*4X48L**	MV20L24**B*	0.99	0.95	EHD4X48A**	*9MVX080	1.00	1.00	FEM4X48****		1.00	1.00
ED*4X60J**		1.00	1.00	EHD4X48A**	*9MVX100	0.99	0.99	FEM4X60****		1.01	0.97
ED*4X60J**	*8MPV100	1.00	1.00	EHD4X48A**	MV16J22**B*	1.00	0.96	FS(M,U)4P48**A*		1.00	1.00
ED*4X60J**	*8MPV125	1.00	0.96	EHD4X48A**	MV20L24**B*	1.00	0.96	FS(M,U)4X48****		1.00	1.00
ED*4X60J**	*9MPV100	1.00	1.00	EHD4X60A**		1.01	1.01	FS(M,U)4X60****		1.01	1.01
ED*4X60J**	*9MVX080	1.00	1.00	EHD4X60A**	*8MPV100	1.01	1.01	FVM4X48****		1.00	0.96
ED*4X60J**	MV16J22**B*	1.00	0.96	EHD4X60A**	*8MPV125	1.01	0.97	FVM4X60****		1.01	0.93
ED*4X60L**		1.00	1.00	EHD4X60A**	*9MPV100	1.01	1.01	FXM4X48**A*		1.01	0.97
								FXM4X60**A*		1.02	0.94
R4A360											
*ED*4X60L**		1.00	1.00	EHD4X60A**		1.00	1.00	FEM4X60****		1.01	1.01
ED*4X60J**		0.99	0.99	EHD4X60A**	MV16J22**B*	1.00	1.00	FVM4X60****		1.01	1.01
ED*4X60J**	MV16J22**B*	0.99	0.99	EHD4X60A**	MV20L24**B*	1.00	1.00	FXM4X60**A*		1.01	1.01
ED*4X60L**	MV20L24**B*	0.99	0.99	FEM4P60**A*		1.00	1.00				

> Indicates Tested Indoor Model

COOLING Multiplying Factors for other Indoor Combinations

Indoor Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Capac. (MBh)	Power (AMPS)
WCA3184								
>W*A*184AA*	1.00	1.00	W*NC184AA*	1.00	1.00	W*NH244BA*	1.00	0.99
W*A*244AA*	1.00	0.99	W*NC244AA*	1.00	1.00	WAH*244A*	1.00	0.91
W*A*244BA*	1.00	1.00	W*NC244BA*	1.00	0.99	WAH*244A*	1.00	0.91
WCA3244								
>W*A*244AA*	1.00	1.00	W*NC244AA*	1.00	1.00	W*NH244BA*	1.00	1.00
W*A*244BA*	1.00	1.00	W*NC244BA*	1.00	1.00	W*NH304BA*	1.00	1.00
W*A*304AA*	1.00	1.00	W*NC304AA*	1.00	1.00	WAH*244A*	1.00	0.96
W*A*304BA*	1.00	1.00	W*NC304BA*	1.00	1.00	WAH*304A*	1.00	0.92
WCA3304								
>W*A*304AA*	1.00	1.00	W*NC304AA*	1.00	1.00	W*NH364BA*	1.00	1.00
W*A*304BA*	1.00	1.00	W*NC304BA*	1.00	1.00	WAH*304A*	1.00	0.94
W*A*364AA*	1.00	1.00	W*NC364BA*	1.00	1.00	WAH*364A*	1.00	0.98
W*A*364BA*	1.00	1.00	W*NC364CA*	1.00	1.00			
W*A*364CA*	1.00	1.00	W*NH304BA*	1.00	1.00			
WCA3364								
>W*A*484CA*	1.00	1.00	W*NC424CA*	0.97	0.97	W*NH484DA*	1.00	1.00
W*A*484BA*	1.00	1.00	W*NC484CA*	1.00	1.00	WAH*424A*	0.97	0.97
W*A*484CA*	1.00	1.00	W*NC484DA*	1.00	1.00	WAH*484A*	1.00	1.00
W*A*484DA*	1.00	1.00	W*NH424CA*	0.97	0.97			
WCA3424								
>W*A*424CA*	1.00	1.00	W*A*484DA*	1.01	1.01	W*NC484CA*	1.01	1.01
W*A*424DA*	1.00	1.00	W*NH424CA*	1.00	1.00	W*NC484DA*	1.01	1.01
W*A*484BA*	1.01	1.01	W*NH484DA*	1.01	1.01	WAH*424A*	1.00	0.96
W*A*484CA*	1.01	1.01	W*NC424CA*	1.00	1.00	WAH*484A*	1.01	0.93

> Indicates Tested Indoor Model

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COOLING Multiplying Factors for other Indoor Combinations (continued)								
Indoor Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Capac. (MBh)	Power (AMPS)	Indoor Model	Capac. (MBh)	Power (AMPS)
WCA3484								
>W*A*484CA*	1.00	1.00	W*A*604DA*	1.01	1.01	W*NH484DA*	1.00	1.00
W*A*484BA*	0.98	0.98	W*NC484CA*	1.00	1.00	W*NH604DA*	1.01	1.01
W*A*484DA*	1.00	1.00	W*NC484DA*	1.00	1.00	WAH*484A*	1.00	0.96
W*A*604CA*	1.01	1.01	W*NC604DA*	1.01	1.01	WAH*604A*	1.01	0.97
WCA3604								
>W*A*604DA*	1.00	1.00	W*NC604DA*	1.00	1.00	WAH*604A*	1.00	0.96
W*A*604CA*	0.98	0.98	W*NH604DA*	1.00	1.00			

> Indicates Tested Indoor Model

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)											
Digit Position:	1	2	3	4	5, 6	7	8	9	10	11	12
Example Part Number:	R	4	A	3	18	A	K	A	1	0	0
Product Family											
2 = R-22											
4 = R-410A	REFRIGERANT										
A = Air Conditioner											
H = Heat Pump			TYPE								
3 = 13 SEER											
4 = 14 SEER			NOMINAL EFFICIENCY								
18 = 18,000 BTUH = 1½ tons											
24 = 24,000 BTUH = 2 tons											
30 = 30,000 BTUH = 2½ tons											
36 = 36,000 BTUH = 3 tons											
42 = 42,000 BTUH = 3½ tons											
48 = 48,000 BTUH = 4 tons											
60 = 60,000 BTUH = 5 tons			NOMINAL CAPACITY								
A = Standard Grille											
G = Coil Guard Grille						FEATURES					
K = 208/230-1-60						VOLTAGE					
Sales Code											
Engineering Revision											
Extra Digit											
Extra Digit											

OUTDOOR UNIT MODEL NUMBER IDENTIFICATION GUIDE (single phase)										
Digit Position:	1,2	3	4	5,6	7	8	9	10	11	
Example Part Number:	WC	A	3	24	4	G	K	A	1	
WC = Condensing Unit										
A = Air Conditioner										
H = Heat Pump			TYPE							
3 = 13 SEER										
4 = 14 SEER			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			NOMINAL CAPACITY							
2 = R-22										
4 = R-410A			REFRIGERANT							
A = Standard Grille										
G = Coil Guard Grille						FEATURE				
K = 208/230-1-60						VOLTAGE				
Sales Code										
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	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)									