

# TECHNICAL GUIDE

## RAC SERIES SPLIT-SYSTEM AIR CONDITIONERS 14.5 SEER – R-410A – 1 PHASE 1.5 THRU 5 NOMINAL TONS MODELS: RAC14J18 THRU 60



Due to continuous product improvement, specifications are subject to change without notice.

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### WARRANTY SUMMARY\*

Extended 10-Years limited parts warranty.

Standard 10-Years limited compressor warranty.

**Extended 10-Years limited parts warranty** requires online registration within 90 days of purchase for replacement or closing for new home construction.

\*Does not apply to R-22 models, 3-Phase models, or internet sales.  
See Limited Warranty certificate in User's Information Manual for details.

## DESCRIPTION

The 14.5 SEER Series unit is the outdoor part of a versatile climate system. It is designed with a matching indoor coil component from Johnson Controls Unitary Products. Available for typical applications this climate system is supported with accessories and documents to serve specific functions.

## FEATURES

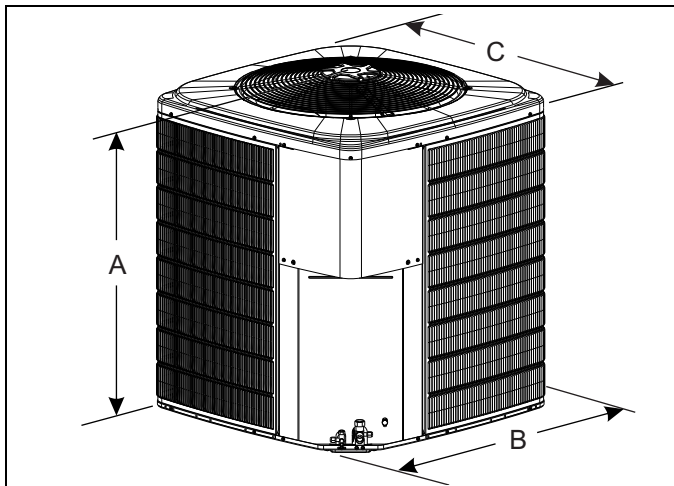
- **Small Footprint** - Extremely lightweight with a compact footprint, it is a perfect fit for any application.
- **Quality Condenser Coils** - The coil is constructed of aluminum microchannel tubing and enhanced aluminum fins for reduced size and increased efficiency.
- **Coil Protection** - Coils are protected from damage by a slotted, stamped steel coil guard and secondary polymer mesh.
- **Optional Factory E-Coat** - Available ElectroFin® coated coil on select models.
- **Protected Compressor** - Compressors are protected internally by a high pressure relief valve and a temperature sensor, and externally by the system high pressure switch. A factory installed liquid line filter-drier further protects the compressor against moisture and debris.
- **Environmentally Friendly Refrigerant** - The next generation refrigerant R-410A delivers environmentally friendly performance with zero ozone depletion.
- **Durable Finish** - An automotive quality finish provides the ultimate protection from harmful UV rays and rust-creep, ensuring a long-lasting, high quality appearance. A powder paint top coat is applied over a baked on primer using a galvanized, zinc coated steel base material.
- **Lower Installed Cost** - Installation time and costs are reduced by easy power and control wiring connections. The unit is factory charged for a 15-foot lineset. The small base dimension means less space is required on the ground or roof.
- **Top Discharge** - Warm air from the top mounted fan is blown up, away from the structure and any landscaping. This allows compact location on multi-unit applications.
- **Quiet Operation** - The compressor sound blanket and the swept wing fan blade keep sound to a minimum. The upward air flow carries the normal operating noise away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the condenser coil muffle the normal fan motor and compressor operating sounds.
- **Low Maintenance** - Long life, permanently lubricated motor-bearings need no annual servicing.
- **Easy Service Access** - Fully exposed refrigerant connections and a single panel covering the electrical controls make for easy servicing of the unit.
- **Secured Service Valves** - Secured, re-usable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging.
- **Agency Listed** - Safety certified by CSA to UL 1995 / CSA 22.2. Performance certified to ANSI/AHRI Standard 210/240 in accordance with the Unitary Small Equipment certification program.

## Physical and Electrical Data

MODEL		RAC14J18 4S21(E)	RAC14J24 4S21(E)	RAC14J30 4S21(E)	RAC14J36 4S21(E)	RAC14J42 4S21(E)	RAC14J48 4S21(E)	RAC14J60 4S21(E)
Unit Supply Voltage		208-230V, 1 $\phi$ , 60Hz						
Normal Voltage Range <sup>1</sup>		187 to 252						
Minimum Circuit Ampacity		12.0	16.8	18.4	19.1	23.9	26.3	32.7
Max. Overcurrent Device Amps <sup>2</sup>		20	25	30	30	40	45	50
Min. Overcurrent Device Amps <sup>3</sup>		15	20	20	20	25	30	35
Compressor Amps	Type	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll	Scroll
	Rated Load	9.0	12.8	14.1	14.1	17.9	19.9	25.0
	Locked Rotor	46	58	73	77	112	109	134
Crankcase Heater		No	No	No	No	No	No	No
Factory External Discharge Muffler		No	No	No	No	No	No	No
Factory External Check Valve		No	No	No	No	No	No	No
HS Kit Required with TXV <sup>4</sup>		No	No	No	No	No	No	No
Fan Diameter Inches		1/8	1/8	1/8	1/4	1/4	1/4	1/4
Fan Motor	Rated HP	0.8	0.8	0.8	1.5	1.5	1.5	1.5
	Rated Load Amps	22	22	22	22	24	24	24
	Nominal RPM	1075	1075	1075	850	850	850	850
	Nominal CFM	2750	2750	2800	3200	3600	3700	3750
Coil	Face Area Sq. Ft.	13.1	13.1	17.4	17.4	20.0	21.4	24.0
	Rows Deep	1	1	1	1	1	1	1
	Fins / Inch	23	23	23	23	23	23	23
Liquid Line Set OD (Field Installed)		3/8	3/8	3/8	3/8	3/8	3/8	3/8
Vapor Line Set OD (Field Installed)		3/4	3/4	3/4	3/4	7/8	7/8	7/8
Unit Charge (Lbs. - Oz.) <sup>5</sup>		3 - 10	3 - 2	3 - 7	3 - 10	4 - 4	5 - 1	5 - 4
Charge Per Foot, Oz.		0.62	0.62	0.62	0.62	0.67	0.67	0.67
Operating Weight Lbs.		125	128	130	145	172	208	231

Models with "E" on the end of the model number have an ElectroFin® coating on the outdoor coil.

1. Rated in accordance with AHRI Standard 110-2012, utilization range "A".
2. Dual element fuses or HACR circuit breaker. Maximum allowable overcurrent protection.
3. Dual element fuses or HACR circuit breaker. Minimum recommended overcurrent protection.
4. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.
5. The Unit Charge is correct for the outdoor unit, smallest matched indoor unit, and 15 feet of refrigerant tubing. For tubing lengths other than 15 feet, add or subtract the amount of refrigerant, using the difference in length multiplied by the per foot value.



Unit Model	Dimensions (Inches)			Refrigerant Connection Service Valve Size	
	A	B	C	Liquid	Vapor
18	28-1/4	29-1/2	29-1/2	3/8	3/4
24	28-1/4	29-1/2	29-1/2		
30	36-1/4	29-1/2	29-1/2		
36	36-1/4	29-1/2	29-1/2		
42	34-1/4	34	34	7/8	
48	36-1/4	34	34		
60	40-1/4	34	34		

All dimensions are in inches and are subject to change without notice.

Overall height is from bottom of base pan to top of fan guard.

Overall length and width include screw heads.

System Charge for Various Matched Systems							
Outdoor Unit	RAC14J18 4S21(E)	RAC14J24 4S21(E)	RAC14J30 4S21(E)	RAC14J36 4S21(E)	RAC14J42 4S21(E)	RAC14J48 4S21(E)	RAC14J60 4S21(E)
Required TXV <sup>1,2</sup>	4F1	4F1	4G1	4G1	4G1	4J1	4J1
Indoor Unit <sup>3,4,5</sup>	Additional Charge, oz						
RFCX18BE	0	–	–	–	–	–	–
RFCX24BE	15	16	–	–	–	–	–
RFCX30BE	15	16	13	–	–	–	–
RFCX36CE	24	23	19	15	–	–	–
RFCX42DE	–	35	30	25	17	–	–
RFCX48DE	–	–	–	24	16	11	–
RFCX60DE	–	–	–	29	22	15	13
RFCX18BP	0	–	–	–	–	–	–
RFCX24BP	–	16	–	–	–	–	–
RFCX30BP	–	–	12	–	–	–	–
RFCX36BP	–	–	19	15	–	–	–
RFCX42CP	–	–	–	25	17	–	–
RFCX48DP	–	–	–	–	16	11	–
RFCX60DP	–	–	–	–	22	15	13
FC/MC/PC18	0	–	–	–	–	–	–
FC/MC/PC32	15	16	13	–	–	–	–
FC/MC/PC35	15	16	13	–	–	–	–
FC/MC/PC37	23	22	19	15	–	–	–
FC/MC/PC43	23	22	19	15	8	–	–
FC/MC/PC48	–	34	30	25	17	9	–
FC/MC/PC60	–	–	–	24	16	11	9
FC/MC62	–	–	–	29	21	15	13
FC64	–	–	–	39	30	26	21
HD24	14	–	–	–	–	–	–
HD36	19	19	16	–	–	–	–
HD48	–	45	40	34	26	–	–
HD60	–	–	–	–	22	8	6
UC18	2	–	–	–	–	–	–
UC48	–	–	–	–	11	10	–
UC60	–	–	–	24	16	13	11

Some of the combinations shown in the above System Charge table require Advanced Main Air Circulating Fan indoor product. For approved coil only matches, please see the "COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils" table.

#### FOOTNOTES:

1. For applications requiring a TXV use S1-1TVM\*\*\* series kit.
2. A TXV kit must be used with these indoor units to obtain system performance.
3. Systems matched with furnaces or air handlers not equipped with blower-off delays may require blower Time Delay Kit S1-2FD06700224.
4. PC coils cannot be used in downflow or horizontal applications. FC coils cannot be used in horizontal applications.
5. Refer to Cooling Performance Data tables for actual system performance for specified system matches.

#### PROCEDURES:

1. Unit factory charge listed on the unit nameplate includes refrigerant for the outdoor unit, the smallest matched indoor unit, and 15 feet of interconnecting line tubing.
2. Verify the TXV and additional charge required for specific matched indoor unit in the system using the above table.
3. Add additional charge for the amount of interconnecting line tubing greater than 15 feet at the rate specified in Physical and Electrical Data Table.
4. For indoor matches requiring additional charge, the refrigerant needs to be weighed in for specific matched indoor unit and lineset length.
5. Permanently mark the unit nameplate with the total system charge. Total System Charge = Base Charge (as shipped) + charge adder for matched indoor unit + charge adder for line set.

## COOLING CAPACITY - With Air Handler Coils

UNIT MODEL	AIR HANDLER		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH AIR HANDLERS</b>								
RAC14J184S21(E)	RFCX18BE	17.5	--	610	17.9	13.0	16.25	13.25
	RFCX24BE	17.5	--	585	18.1	13.1	16.75	13.50
	RFCX30BE	17.5	--	585	18.1	13.1	16.75	13.50
	RFCX36CE	21.0	--	730	19.2	15.0	17.50	14.25
	RFCX18BP	17.5	--	665	17.7	13.1	14.25	12.00
	MX12B	17.5	FC/MC18B	585	17.9	12.8	16.50	13.50
	MX12B	17.5	FC/MC35B	660	18.6	14.1	17.50	14.25
	MX12B	17.5	FC/MC43B	620	18.5	13.3	17.50	14.00
RAC14J244S21(E)	RFCX24BE	17.5	--	795	25.2	18.7	16.25	13.50
	RFCX30BE	17.5	--	795	25.2	18.7	16.25	13.50
	RFCX36CE	21.0	--	855	26.2	19.7	17.00	14.25
	RFCX42DE	24.5	--	820	26.4	19.5	17.25	14.50
	RFCX24BP	17.5	--	740	24.8	17.7	15.00	12.75
	MX12B	17.5	FC/MC35B	815	25.6	18.8	17.00	14.25
	MX12B	17.5	FC/MC43B	735	25.6	18.4	16.75	14.00
	RAC14J304S21(E)	RFCX30BE	17.5	--	985	29.6	21.1	15.50
RFCX36CE		21.0	--	1000	30.4	21.9	16.25	13.75
RFCX42DE		24.5	--	1000	30.8	22.3	16.75	14.00
RFCX30BP		17.5	--	1115	29.8	21.9	14.25	12.00
RFCX36BP		17.5	--	1060	30.0	21.7	14.50	12.25
MX12B		17.5	FC/MC35B	1085	30.4	22.1	16.00	13.25
MX12B		17.5	FC/MC43B	1095	30.8	22.7	16.25	13.50
MX16C		21.0	FC/MC35C	1035	30.2	21.7	16.50	13.75
MX16C		21.0	FC/MC43C	970	30.4	22.1	16.75	14.00
MX16C		21.0	FC/MC48C	995	30.8	22.3	17.00	14.25
RAC14J364S21(E)	RFCX36CE	21.0	--	1190	35.0	26.0	16.00	13.50
	RFCX42DE	24.5	--	1180	35.2	26.4	16.50	13.75
	RFCX48DE	24.5	--	1195	35.0	26.2	16.50	13.75
	RFCX60DE	24.5	--	1190	35.4	26.6	16.75	14.00
	RFCX36BP	17.5	--	1245	34.2	25.2	14.25	12.00
	RFCX42CP	21.0	--	1230	34.8	26.2	14.75	12.50
	MX12B	17.5	FC/MC43B	1220	35.0	26.2	15.50	13.00
	MX12D	24.5	FC/MC48D	1225	35.4	26.8	16.25	13.50
	MX12D	24.5	FC/MC60D	1275	35.2	26.8	16.25	13.50
	MX12D	24.5	FC/MC62D	1270	35.8	27.4	16.75	14.00
	MX12D	24.5	FC64D	1270	36.8	28.6	17.25	14.50
	MX16C	21.0	FC/MC43C	1140	34.8	25.8	16.50	13.75
	MX16C	21.0	FC/MC48C	1150	35.2	26.4	16.75	14.00
	MX20D	24.5	FC/MC60D	1295	35.4	27.4	16.75	14.00
	MX20D	24.5	FC/MC62D	1260	35.6	27.4	16.75	14.00
	MX20D	24.5	FC64D	1260	36.8	28.6	17.25	14.50
RAC14J424S21(E)	RFCX42DE	24.5	--	1385	41.5	31.0	16.00	13.25
	RFCX48DE	24.5	--	1385	40.5	30.6	16.00	13.00
	RFCX60DE	24.5	--	1390	41.5	31.4	16.25	13.25
	RFCX42CP	21.0	--	1485	41.0	31.2	14.75	12.00
	RFCX48DP	24.5	--	1320	39.5	29.2	14.25	11.75
	RFCX60DP	24.5	--	1350	40.5	30.2	14.75	12.25
	MX16C	21.0	FC/MC43C	1365	41.0	30.6	16.00	13.25
	MX16C	21.0	FC/MC48C	1390	41.5	31.2	16.25	13.25
	MX16C	21.0	FC60C	1420	40.5	30.8	16.00	13.00
	MX20D	24.5	FC/MC48D	1415	41.5	31.2	16.00	13.25

For notes see Page 5.

**COOLING CAPACITY - With Air Handler Coils (Continued)**

UNIT MODEL	AIR HANDLER		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH AIR HANDLERS</b>								
RAC14J424S21(E)	MX20D	24.5	FC/MC60D	1470	41.0	31.6	16.25	13.25
	MX20D	24.5	FC/MC62D	1470	41.5	32.2	16.25	13.50
	MX20D	24.5	FC64D	1470	43.0	33.4	16.75	13.75
RAC14J484S21(E)	RFCX48DE	24.5	—	1600	46.0	32.6	15.25	12.50
	RFCX60DE	24.5	—	1565	46.5	33.2	15.75	13.00
	RFCX48DP	24.5	—	1610	45.5	32.0	14.25	11.75
	RFCX60DP	24.5	—	1620	46.5	33.0	14.50	12.25
	MX16C	21.0	FC/MC48C	1685	45.5	34.0	15.25	12.25
	MX16C	21.0	FC60C	1420	45.5	31.0	15.75	13.00
	MX20D	24.5	FC/MC48D	1525	45.5	33.4	15.50	12.75
	MX20D	24.5	FC/MC60D	1470	45.5	31.2	16.00	13.00
	MX20D	24.5	FC/MC62D	1605	47.0	34.0	16.00	13.25
RAC14J604S21(E)	RFCX60DE	24.5	—	1835	56.5	39.6	14.50	12.50
	RFCX60DP	24.5	—	1870	56.0	39.1	13.75	11.75
	MX20D	24.5	FC/MC60D	1780	55.5	37.4	14.50	12.50
	MX20D	24.5	FC/MC62D	1795	57.0	39.6	15.00	12.75
	MX20D	24.5	FC64D	1795	57.5	41.0	15.25	13.00

Rated in accordance with DOE test procedures (Federal Register 12-27-79 and 3-18-88) and ANSI/AHRI Standard 210/240.  
 Cooling MBH based on 80°F entering air temperature, 50% RH (Relative Humidity), and rated air flow.  
 EER (Energy Efficiency Ratio) is the total cooling output in BTUs at 95°F outdoor ambient divided by the total electric power in watt-hours at those conditions.  
 SEER (Seasonal Energy Efficiency Ratio) is the total cooling output in BTUs during a normal annual usage period for cooling divided by the total electric power input in watt-hours during the same period.

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.  
 — = Not applicable.  
 MA Modular Air Handlers use Coil Only Ratings.

**COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils (Coil Only Ratings)**

UNIT MODEL	COIL		CFM RANGE (MIN.-MAX.)	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER <sup>1</sup>	EER
					TOTAL	SENS.		
<b>14.5 SEER AC COIL ONLY RATINGS</b>								
RAC14J184S21(E)	FC/MC/PC18	14.5,17.5	450-750	600	17.3	12.4	14.00	11.50
	FC/MC/PC32	14.5	450-750	600	17.8	12.8	14.50	12.00
	FC/MC/PC35	17.5,21.0	450-750	600	17.8	12.8	14.50	12.00
	FC/MC/PC37	14.5	450-750	600	18.0	12.9	14.75	12.00
	FC/MC/PC43	17.5,21.0	450-750	600	18.0	12.9	14.75	12.00
	HD24	—	450-750	600	17.9	12.8	14.50	12.00
	HD36	—	450-750	600	17.3	11.9	14.00	11.50
	UC18	14.5,17.5	450-750	600	17.4	12.5	14.00	11.75
RAC14J244S21(E)	FC/MC/PC32	14.5	500-900	700	24.4	17.2	14.50	12.30
	FC/MC/PC35	17.5,21.0	500-900	800	25.0	17.6	14.50	12.35
	FC/MC/PC37	14.5	500-900	800	25.4	17.9	14.50	12.35
	FC/MC/PC43	17.5,21.0	500-900	800	25.2	18.0	14.70	12.50
	FC/MC/PC48	21.0,24.5	500-900	800	25.6	18.3	14.80	12.65
	HD36	—	500-900	800	24.8	17.0	14.00	12.00
	HD48	—	500-900	800	25.6	17.9	14.50	12.35
RAC14J304S21(E)	FC/MC/PC32	14.5	800-1200	1000	29.0	21.0	14.00	12.00
	FC/MC/PC35	17.5,21.0	800-1200	1000	29.0	21.0	14.00	12.00
	FC/MC/PC37	14.5	800-1200	1000	29.6	21.6	14.50	12.35
	FC/MC/PC43	17.5,21.0	800-1200	1000	29.6	21.8	14.50	12.30
	FC/MC/PC48	21.0,24.5	800-1200	1000	30.0	21.8	14.50	12.35
	HD36	—	800-1200	1000	28.8	20.2	14.00	12.00
HD48	—	800-1200	1000	29.8	21.4	14.50	12.35	

For notes see Page 6.

**COOLING CAPACITY - Upflow, Downflow & Horizontal Furnaces and Coils (Coil Only Ratings) (Continued)**

UNIT MODEL	COIL		CFM RANGE (MIN.-MAX.)	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER <sup>1</sup>	EER
					TOTAL	SENS.		
<b>14.5 SEER AC COIL ONLY RATINGS</b>								
RAC14J364S21(E)	FC/MC/PC37	14.5	1000-1400	1200	34.4	25.2	14.50	12.20
	FC/MC/PC43	17.5,21.0	1000-1400	1200	34.2	25.0	14.50	12.30
	FC/MC/PC48	21.0,24.5	1000-1400	1200	34.6	25.4	14.50	12.25
	FC/MC/PC60	21.0,24.5	1000-1400	1200	34.0	25.4	14.25	12.00
	FC/MC62	24.5	1000-1400	1200	34.4	25.8	14.50	12.25
	FC64	24.5	1000-1400	1200	35.6	26.8	14.75	12.50
	HD48	–	1000-1400	1200	34.6	25.0	14.50	12.20
	UC60	21.0,24.5	1000-1400	1200	33.2	23.8	14.00	11.75
RAC14J424S21(E)	FC/MC/PC43	17.5,21.0	1200-1600	1400	40.5	30.4	14.00	12.00
	FC/MC/PC48	21.0,24.5	1200-1600	1400	40.5	30.4	14.50	12.00
	FC/MC/PC60	21.0,24.5	1200-1600	1400	41.0	30.8	14.50	12.30
	FC/MC62	24.5	1200-1600	1400	41.0	31.0	14.50	12.30
	FC64	24.5	1200-1600	1400	41.5	32.0	14.75	12.25
	HD48	–	1200-1600	1400	41.0	30.4	14.25	12.10
	HD60	–	1200-1600	1400	41.5	31.2	14.50	12.30
RAC14J484S21(E)	FC/MC/PC48	21.0,24.5	1400 - 1800	1600	44.5	32.8	14.25	11.75
	FC/MC/PC60	21.0,24.5	1400 - 1800	1600	45.5	31.8	14.25	11.75
	FC/MC62	24.5	1400 - 1800	1600	46.0	32.8	14.50	12.00
	FC64	24.5	1400 - 1800	1600	46.5	33.8	14.75	12.25
	HD60	–	1400 - 1800	1600	46.5	32.4	14.50	12.00
	UC48	21.0,24.5	1400 - 1800	1600	44.5	32.8	14.25	11.75
	UC60	21.0,24.5	1400 - 1800	1600	45.0	31.8	14.25	11.75
RAC14J604S21(E)	FC/MC/PC60	21.0,24.5	1600 - 2000	1800	54.5	36.8	13.50	11.75
	FC/MC62	24.5	1600 - 2000	1800	56.0	38.6	14.00	12.00
	FC64	24.5	1600 - 2000	1800	57.0	40.5	14.25	12.25
	HD60	–	1600 - 2000	1800	56.5	38.1	14.00	12.00
	UC60	21.0,24.5	1600 - 2000	1800	55.0	37.4	13.75	11.75

1. Requires a S1-2FD06700224 Blower Time Delay unless a standard furnace is equipped with one.

MA Modular Air Handlers use Coil Only Ratings.

PSC furnaces, such as the RGF1L\*P and RGF19\*P, use Coil Only Ratings.

## COOLING CAPACITY - With High Efficiency Motor Furnaces

UNIT MODEL	FURNACE		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH HIGH EFFICIENCY MOTOR FURNACES<sup>2</sup></b>								
RAC14J184S21(E)	R*L*AE12	14.5	FC/MC/PC18A	540	17.5	12.3	16.00	13.25
	R*L*AE12	14.5	FC/MC/PC32A	590	18.4	13.2	17.25	14.00
	R*L*AE12	14.5	FC/MC/PC37A	640	18.8	14.0	17.50	14.25
	R*L*AE12	14.5	HD24	605	18.5	13.2	17.50	14.00
	R*L*AE12	14.5	HD36	605	17.9	12.3	16.75	13.50
	R*L*AE12	14.5	UC18A	590	18.0	12.9	16.75	13.50
	R*L*BE12	17.5	FC/MC/PC18B	580	17.9	12.8	16.50	13.50
	R*L*BE12	17.5	FC/MC/PC35B	640	18.4	13.8	17.50	14.00
	R*L*BE12	17.5	FC/MC/PC43B	665	19.0	14.3	17.50	14.50
	R*L*BE12	17.5	HD24	655	18.8	14.0	17.50	14.25
	R*L*BE12	17.5	HD36	650	18.2	13.0	17.00	13.75
	R*L*BE12	17.5	UC18B	595	18.0	12.9	16.75	13.50
	R*L*CE16	21.0	FC/MC/PC35C	625	18.3	13.2	16.75	13.75
	R*L*CE16	21.0	HD24	650	18.7	13.8	17.25	14.00
	R*9*AE10	14.5	FC/MC/PC18A	575	17.7	12.5	15.50	13.00
	R*9*AE10	14.5	FC/MC/PC32A	585	18.1	13.0	16.25	13.25
	R*9*AE10	14.5	FC/MC/PC37A	580	18.2	13.1	16.50	13.25
	R*9*BE12	17.5	FC/MC/PC18B	590	17.9	12.8	16.50	13.50
	R*9*BE12	17.5	FC/MC/PC35B	645	18.5	13.9	17.50	14.00
	R*9*BE12	17.5	HD24	630	18.7	13.7	17.50	14.25
R*9*BE12	17.5	HD36	630	18.1	12.8	16.75	13.75	
R*9*BE12	17.5	UC18B	590	18.0	12.9	16.75	13.50	
RAC14J244S21(E)	R*L*AE12	14.5	FC/MC/PC32A	800	25.8	19.1	15.75	13.25
	R*L*AE12	14.5	FC/MC/PC37A	840	26.4	20.0	16.00	13.50
	R*L*AE12	14.5	HD36	775	20.8	17.4	15.25	13.00
	R*L*BE12	17.5	FC/MC/PC35B	850	26.0	19.3	15.75	13.25
	R*L*BE12	17.5	FC/MC/PC43B	865	26.6	20.2	16.00	13.50
	R*L*BE12	17.5	HD36	855	25.8	19.1	15.50	13.25
	R*L*CE16	21.0	FC/MC/PC35C	625	24.6	17.2	15.75	13.25
	R*L*CE16	21.0	FC/MC/PC43C	655	25.2	17.9	16.00	13.50
	R*L*CE16	21.0	FC/MC/PC48C	685	25.6	18.4	15.75	13.25
	R*L*CE20	21.0	FC/MC/PC35C	885	26.2	20.0	15.75	13.50
	R*9*AE10	14.5	FC/MC/PC32A	745	25.0	17.9	15.50	13.00
	R*9*AE10	14.5	FC/MC/PC37A	740	25.2	18.2	15.75	13.25
	R*9*BE12	17.5	FC/MC/PC35B	785	25.8	19.3	15.75	13.25
	R*9*BE12	17.5	FC/MC/PC43B	800	26.2	19.5	16.00	13.50
	R*9*BE12	17.5	HD36	790	25.4	18.3	15.25	13.00
	R*9*CE16	21.0	FC/MC/PC35C	715	25.2	18.3	15.75	13.25
	R*9*CE16	21.0	FC/MC/PC43C	735	25.8	18.8	16.00	13.50
	R*9*CE16	21.0	FC/MC/PC48C	770	26.2	19.5	15.75	13.25
	R*9*CE20	21.0	FC/MC/PC35C	825	25.8	19.2	15.75	13.50
	R*9*CE20	21.0	FC/MC/PC43C	790	26.2	19.4	15.75	13.25
R*9*CE20	21.0	FC/MC/PC48C	815	26.8	20.2	15.75	13.25	
RAC14J304S21(E)	R*L*AE12	14.5	FC/MC/PC32A	970	29.2	21.4	15.25	13.00
	R*L*AE12	14.5	FC/MC/PC37A	1105	30.6	23.4	15.25	13.00
	R*L*AE12	14.5	HD36	1115	29.8	22.8	15.00	12.75
	R*L*BE12	17.5	FC/MC/PC35B	1120	30.0	22.8	15.75	13.25
	R*L*BE12	17.5	FC/MC/PC43B	1125	30.8	23.6	16.00	13.50
	R*L*BE12	17.5	HD36	1120	30.0	23.0	15.50	13.00
	R*L*CE16	21.0	FC/MC/PC35C	1105	30.0	23.0	15.75	13.25
	R*L*CE16	21.0	FC/MC/PC43C	855	28.4	19.7	16.00	13.50

For notes see Page 10.

## COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)

UNIT MODEL	FURNACE		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH HIGH EFFICIENCY MOTOR FURNACES<sup>2</sup></b>								
RAC14J304S21(E)	R*L*CE16	21.0	FC/MC/PC48C	875	29.0	20.2	16.25	13.25
	R*L*CE16	21.0	HD36	1120	30.0	22.6	15.50	13.00
	R*L*CE20	21.0	FC/MC/PC35C	850	29.0	20.8	15.75	13.25
	R*L*CE20	21.0	FC/MC/PC43C	870	29.8	21.4	16.00	13.50
	R*L*CE20	21.0	FC/MC/PC48C	890	30.0	22.0	16.25	13.25
	R*9*AE10	14.5	FC/MC/PC32A	1035	29.4	21.1	14.00	12.00
	R*9*AE10	14.5	FC/MC/PC37A	1025	29.6	21.5	14.25	12.00
	R*9*BE12	17.5	FC/MC/PC35B	1085	30.0	22.6	15.00	13.00
	R*9*BE12	17.5	FC/MC/PC43B	1095	30.6	23.4	16.00	13.25
	R*9*CE16	21.0	FC/MC/PC35C	1075	30.0	22.6	15.00	13.00
	R*9*CE16	21.0	FC/MC/PC43C	1055	30.6	23.0	16.00	13.25
	R*9*CE16	21.0	FC/MC/PC48C	1075	30.8	23.4	16.00	13.25
	R*9*CE20	21.0	FC/MC/PC35C	825	27.4	19.0	14.50	12.30
	R*9*CE20	21.0	FC/MC/PC43C	720	28.4	19.6	16.00	13.25
	R*9*CE20	21.0	FC/MC/PC48C	745	29.0	20.2	16.00	13.25
R*9*DE20	24.5	FC/MC/PC48D	780	29.2	20.6	16.00	13.25	
RAC14J364S21(E)	R*L*AE12	14.5	FC/MC/PC37A	1290	35.4	26.4	15.25	12.75
	R*L*BE12	17.5	FC/MC/PC43B	1300	35.2	26.6	15.50	13.00
	R*L*CE16	21.0	FC/MC/PC43C	1175	35.2	25.8	15.50	13.00
	R*L*CE16	21.0	FC/MC/PC48C	1185	35.8	26.4	16.25	13.25
	R*L*CE16	21.0	HD48	1120	34.6	25.4	16.00	13.00
	R*L*CE16	21.0	UC60C	1185	34.0	24.6	15.50	12.75
	R*L*CE20	21.0	FC/MC/PC43C	1250	35.4	26.4	15.50	13.00
	R*L*CE20	21.0	FC/MC/PC48C	1270	35.6	26.2	16.25	13.25
	R*L*CE20	21.0	HD48	1245	35.2	26.2	16.00	13.00
	R*L*CE20	21.0	UC60D	1295	34.6	25.8	15.50	12.75
	R*9*BE12	17.5	FC/MC/PC43B	1270	35.2	26.4	15.25	12.75
	R*9*CE16	21.0	FC/MC/PC43C	1260	35.2	26.4	15.50	13.00
	R*9*CE16	21.0	FC/MC/PC48C	1280	35.6	26.8	16.00	13.00
	R*9*CE16	21.0	FC/PC60C	1275	34.2	25.6	15.50	12.75
	R*9*CE16	21.0	HD48	1255	33.6	26.6	15.75	12.75
	R*9*CE20	21.0	FC/MC/PC43C	1185	35.0	25.8	15.50	13.00
	R*9*CE20	21.0	FC/MC/PC48C	1205	35.6	26.2	16.00	13.00
	R*9*CE20	21.0	FC/PC60C	1240	33.8	24.4	15.50	12.75
	R*9*CE20	21.0	HD48	1245	35.2	26.2	15.75	12.75
	R*9*DE20	24.5	FC/MC/PC48D	1240	35.6	26.2	16.00	13.00
R*9*DE20	24.5	FC64D	1225	36.0	27.0	16.00	13.00	
R*9*DE20	24.5	HD48	1260	35.2	26.2	15.75	12.75	
R*9*DE20	24.5	UC60D	1285	34.4	25.6	15.50	12.75	
RAC14J424S21(E)	R*L*BE12	17.5	FC/MC/PC43B	1300	40.5	30.0	14.75	12.50
	R*L*CE16	21.0	FC/MC/PC43C	1475	41.5	31.8	14.75	12.50
	R*L*CE16	21.0	FC/MC/PC48C	1360	42.0	31.2	15.25	12.75
	R*L*CE16	21.0	FC/MC62D	1360	42.0	31.5	16.00	13.00
	R*L*CE16	21.0	FC/PC60C	1360	41.5	31.4	15.00	12.50
	R*L*CE16	21.0	FC64D	1360	42.0	31.8	16.00	13.00
	R*L*CE16	21.0	HD48	1340	41.5	31.0	15.00	12.75
	R*L*CE16	21.0	UC48C	1400	40.0	29.8	14.90	12.65
	R*L*CE20	21.0	FC/MC/PC43C	1415	41.5	31.4	14.75	12.50
	R*L*CE20	21.0	FC/MC/PC48C	1475	42.0	31.8	15.25	12.75
	R*L*CE20	21.0	FC/MC/PC60D	1485	41.5	31.4	15.00	12.50
R*L*CE20	21.0	FC/MC62D	1360	42.0	31.5	16.00	13.00	

For notes see Page 10.



**COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)**

UNIT MODEL	FURNACE		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH HIGH EFFICIENCY MOTOR FURNACES<sup>2</sup></b>								
RAC14J424S21(E)	R*L*CE20	21.0	FC64D	1485	42.0	32.6	16.00	13.00
	R*L*CE20	21.0	UC48C	1515	40.5	30.8	14.90	12.65
	R*9*BE12	17.5	FC/MC/PC43B	1270	40.0	29.0	14.50	12.25
	R*9*CE16	21.0	FC/MC/PC43C	1410	41.5	31.0	14.75	12.50
	R*9*CE16	21.0	FC/MC/PC48C	1425	42.0	31.8	15.00	12.50
	R*9*CE16	21.0	FC/MC62D	1450	42.0	31.5	16.00	13.00
	R*9*CE16	21.0	FC/PC60C	1460	41.5	31.2	14.75	12.50
	R*9*CE16	21.0	FC64D	1460	42.0	31.8	16.00	13.00
	R*9*CE16	21.0	HD48	1465	42.0	31.6	14.75	12.50
	R*9*CE16	21.0	UC48C	1425	39.5	29.6	14.50	12.25
	R*9*CE20	21.0	FC/MC/PC43C	1400	41.5	31.2	14.75	12.50
	R*9*CE20	21.0	FC/MC/PC48C	1420	42.0	31.8	15.00	12.50
	R*9*CE20	21.0	FC/MC62D	1450	42.0	31.5	16.00	13.00
	R*9*CE20	21.0	FC/PC60C	1460	41.5	31.4	15.00	12.75
	R*9*CE20	21.0	FC64D	1460	42.0	31.8	16.00	13.00
	R*9*CE20	21.0	HD48	1465	42.0	31.8	14.75	12.50
	R*9*CE20	21.0	UC48C	1420	40.0	29.6	14.50	12.25
	R*9*DE20	24.5	FC/MC/PC48D	1435	42.0	31.8	15.00	12.50
	R*9*DE20	24.5	FC/MC/PC60D	1515	42.0	32.2	15.00	12.75
	R*9*DE20	24.5	FC/MC62D	1450	42.0	31.5	16.00	13.00
R*9*DE20	24.5	FC64D	1225	42.0	30.4	16.00	13.00	
R*9*DE20	24.5	HD48	1460	47.5	27.4	14.75	12.50	
R*9*DE20	24.5	UC48D	1435	40.0	29.8	14.50	12.25	
RAC14J484S21(E)	R*L*CE16	21.0	FC/MC/PC48C	1600	45.0	33.2	15.00	12.25
	R*L*CE16	21.0	FC/MC/PC48D	1600	45.0	33.2	15.00	12.25
	R*L*CE16	21.0	FC/MC/PC60D	1605	46.0	32.2	15.00	12.25
	R*L*CE16	21.0	FC/MC62D	1360	46.0	31.2	16.00	13.00
	R*L*CE16	21.0	FC/PC60C	1605	46.0	32.2	15.00	12.25
	R*L*CE16	21.0	FC64D	1360	46.5	32.2	16.25	13.25
	R*L*CE16	21.0	HD60	1610	47.0	32.8	15.50	12.75
	R*L*CE16	21.0	UC48C	1600	45.0	33.2	15.00	12.25
	R*L*CE16	21.0	UC60C	1605	45.5	32.2	15.00	12.25
	R*L*CE20	21.0	FC/MC/PC48C	1660	45.0	33.2	15.25	12.50
	R*L*CE20	21.0	FC/MC/PC48D	1660	45.0	33.2	15.25	12.50
	R*L*CE20	21.0	FC/MC/PC60D	1595	46.0	32.2	15.00	12.50
	R*L*CE20	21.0	FC/MC62D	1665	47.0	33.8	15.50	12.75
	R*L*CE20	21.0	FC/PC60C	1595	46.0	32.2	15.00	12.50
	R*L*CE20	21.0	FC64D	1665	47.5	34.2	15.75	13.00
	R*L*CE20	21.0	HD60	1665	47.5	32.8	15.50	12.75
	R*L*CE20	21.0	UC48C	1515	45.0	33.0	16.00	13.00
	R*L*CE20	21.0	UC60C	1540	46.0	32.6	16.00	13.00
	R*9*CE16	21.0	FC/MC/PC48C	1565	45.0	33.2	15.00	12.25
	R*9*CE16	21.0	FC/MC/PC48D	1565	45.0	33.2	15.00	12.25
	R*9*CE16	21.0	FC/MC/PC60D	1575	46.0	32.2	15.00	12.25
	R*9*CE16	21.0	FC/MC62D	1550	46.5	33.6	15.25	12.50
	R*9*CE16	21.0	FC/PC60C	1575	46.0	32.2	15.00	12.25
	R*9*CE16	21.0	FC64D	1550	47.0	34.0	15.50	12.75
	R*9*CE16	21.0	HD60	1575	47.0	32.8	15.25	12.75
	R*9*CE16	21.0	UC48C	1565	45.0	33.2	15.00	12.25
R*9*CE16	21.0	UC60C	1575	45.5	32.2	15.00	12.25	
R*9*CE20	21.0	FC/MC/PC48C	1615	45.0	33.2	15.25	12.50	

For notes see Page 10.

**COOLING CAPACITY - With High Efficiency Motor Furnaces (Continued)**

UNIT MODEL	FURNACE		COIL MODEL <sup>1</sup>	COOLING				
	MODEL	WIDTH		RATED CFM	NET MBH		SEER	EER
					TOTAL	SENS.		
<b>14.5 SEER AC WITH HIGH EFFICIENCY MOTOR FURNACES<sup>2</sup></b>								
RAC14J484S21(E)	R*9*CE20	21.0	FC/MC/PC48D	1615	45.0	33.2	15.25	12.50
	R*9*CE20	21.0	FC/MC/PC60D	1625	46.0	32.2	15.25	12.50
	R*9*CE20	21.0	FC/MC62D	1595	46.5	33.6	15.50	12.75
	R*9*CE20	21.0	FC/PC60C	1625	46.0	32.2	15.25	12.50
	R*9*CE20	21.0	FC64D	1595	47.0	34.2	15.75	13.00
	R*9*CE20	21.0	HD60	1625	47.5	32.8	15.50	12.75
	R*9*CE20	21.0	UC48C	1615	45.0	33.2	15.25	12.50
	R*9*CE20	21.0	UC60C	1625	45.5	32.2	15.00	12.50
	R*9*DE20	24.5	FC/MC/PC48D	1635	45.0	33.2	15.00	12.25
	R*9*DE20	24.5	FC/MC/PC60D	1490	46.0	31.8	15.75	13.00
	R*9*DE20	24.5	FC/MC62D	1425	45.5	31.2	15.75	13.00
	R*9*DE20	24.5	FC64D	1425	46.5	32.0	16.00	13.25
	R*9*DE20	24.5	HD60	1645	47.0	32.8	15.25	12.75
	R*9*DE20	24.5	UC48D	1635	45.0	33.2	15.00	12.25
R*9*DE20	24.5	UC60D	1490	45.5	31.8	15.75	13.00	
RAC14J604S21(E)	R*L*CE16	21.0	FC/PC60C	1605	54.5	36.2	14.25	12.25
	R*L*CE16	21.0	UC60C	1605	54.5	36.0	14.25	12.25
	R*L*CE20	21.0	FC/MC/PC60D	1690	55.5	37.4	14.75	12.50
	R*L*CE20	21.0	FC/MC62D	1665	56.0	38.1	14.75	12.75
	R*L*CE20	21.0	FC/PC60C	1595	54.5	36.0	14.50	12.25
	R*L*CE20	21.0	FC64D	1665	57.0	40.0	15.00	13.00
	R*L*CE20	21.0	HD60	1665	56.5	37.6	14.75	12.75
	R*L*CE20	21.0	UC60C	1595	54.5	36.0	14.50	12.25
	R*L*CE20	21.0	UC60D	1690	55.0	37.2	14.75	12.50
	R*9*CE16	21.0	FC/PC60C	1575	54.5	35.8	14.25	12.25
	R*9*CE16	21.0	UC60C	1575	54.5	35.8	14.25	12.25
	R*9*CE20	21.0	FC/MC/PC60D	1645	55.5	37.4	14.75	12.50
	R*9*CE20	21.0	FC/MC62D	1595	55.5	37.2	14.75	12.50
	R*9*CE20	21.0	FC/PC60C	1625	55.0	36.4	14.50	12.50
	R*9*CE20	21.0	FC64D	1595	56.5	39.0	14.75	12.75
	R*9*CE20	21.0	HD60	1625	56.0	37.2	14.75	12.75
	R*9*CE20	21.0	UC60C	1625	54.5	36.4	14.50	12.25
	R*9*CE20	21.0	UC60D	1645	55.0	36.6	14.50	12.50
	R*9*DE20	24.5	FC/MC/PC60D	1730	55.5	37.4	14.75	12.50
	R*9*DE20	24.5	FC/MC62D	1645	55.5	37.6	14.50	12.50
R*9*DE20	24.5	FC64D	1645	56.5	39.5	14.75	12.75	
R*9*DE20	24.5	HD60	1645	56.0	37.4	14.75	12.50	
R*9*DE20	24.5	UC60D	1730	55.5	38.1	14.75	12.75	

1. MC coils available with a factory installed horizontal drain pan. See price pages for specific model number.

2. High Efficiency Motor Furnaces have B.O.D (Blower on Delay) standard.

PSC furnaces, such as the RGF1L\*P and RGF19\*P, use Coil Only Ratings.

**ACCESSORIES**

Refer to Price Manual for specific model numbers.

**Off Cycle Timer Delay** - Provides a 5-minute off cycle to prevent rapid recycling of the compressor.

**Start Assist Kit (S1-2SA067)** - Provides increased starting torque for areas with low voltage. See Hard Start Kit Accessory Installation Manual for Hard Start Kit part number for each model.

**TXV Kits** - S1-1TVM series thermal expansion valves precisely meter refrigerant for optimum performance over a wide range of conditions. See System Charge table for TXV part number for each model.

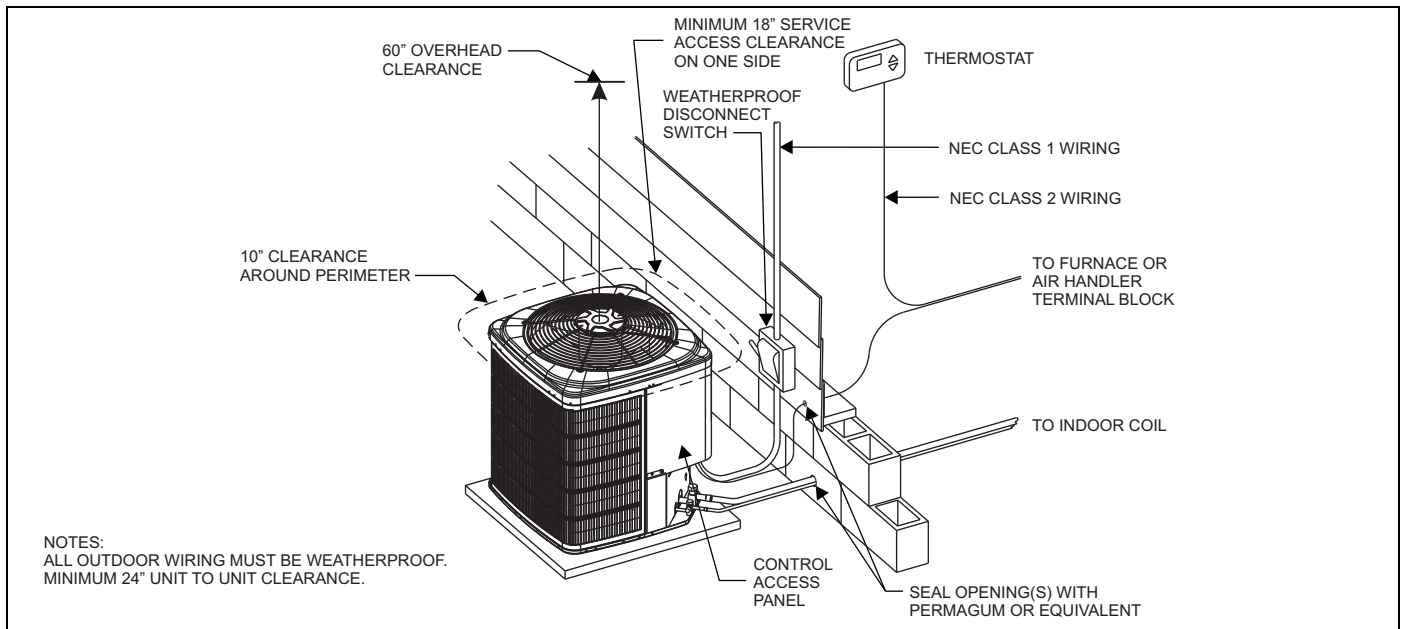
**Thermostats** - Compatible thermostat controls are available through accessory sourcing. For optimum performance and installation, refer to the UPGNET "Low Voltage Wiring Diagram" document to select and apply controls.

**SOUND POWER LEVEL - TYPICAL OCTAVE BAND SPECTRUM (db re. 1-pW)**

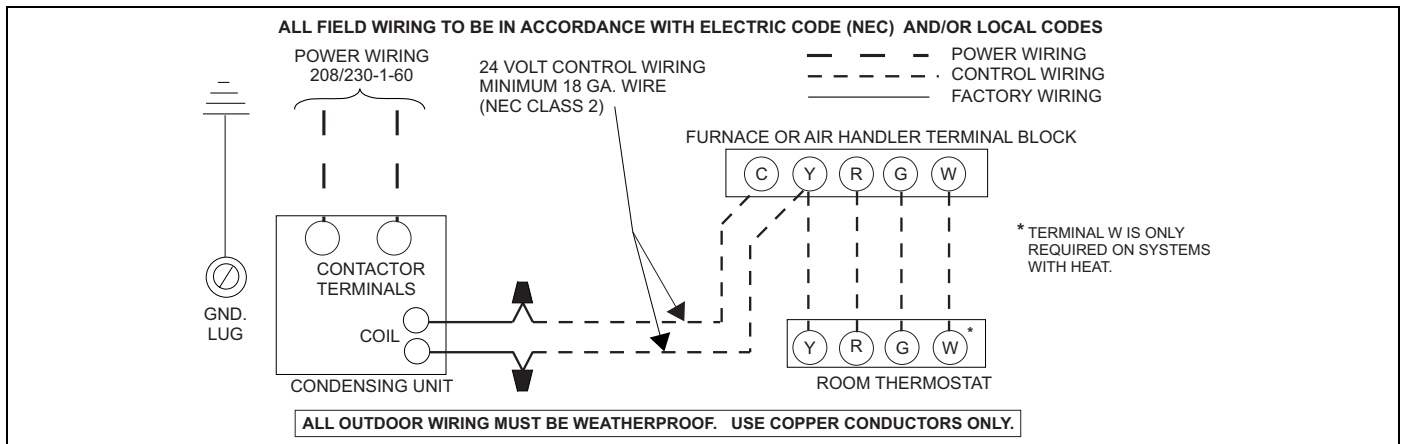
Models	63	125	250	500	1000	2000	4000	8000	dBA	SQI
RAC14J184S21(E)	68	71	65	67	64	59	56	49	69	19.0
RAC14J244S21(E)	69	73	67	67	68	61	58	52	71	19.1
RAC14J304S21(E)	68	70	64	67	71	64	57	51	73	19.1
RAC14J364S21(E)	69	73	64	65	68	60	55	49	70	19.1
RAC14J424S21(E)	72	69	65	70	69	63	56	52	72	19.1
RAC14J484S21(E)	69	70	65	66	67	61	56	52	70	19.1
RAC14J604S21(E)	69	68	64	69	72	63	59	57	74	19.1

Rated in accordance with ARI Standard 270.

**TYPICAL INSTALLATION**



**TYPICAL FIELD WIRING**



<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J184S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC/PC32</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	<b>IDCFM</b>	450					600					750				
	<b>ID DB (°F)</b>	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	<b>ID WB (°F)</b>	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	16.2	17.9	17.6	20.0	22.3	18.0	18.8	18.6	20.9	23.6	19.8	19.8	19.6	21.9	25.0
	S.C.	16.2	14.9	12.3	12.8	10.1	18.0	17.3	14.2	14.5	11.4	19.8	19.7	16.1	16.3	12.6
	KW	1.00	0.98	1.00	0.99	0.98	0.99	0.99	0.99	0.98	0.97	0.99	0.99	0.99	0.97	0.96
75	T.C.	15.3	16.9	16.8	19.0	21.2	17.1	18.0	17.7	19.9	22.4	19.0	19.1	18.7	20.8	23.6
	S.C.	15.3	14.3	11.9	12.2	9.8	17.1	16.7	13.7	13.9	11.0	19.0	19.1	15.6	15.7	12.2
	KW	1.17	1.15	1.17	1.16	1.14	1.16	1.15	1.16	1.15	1.13	1.14	1.14	1.15	1.14	1.12
85	T.C.	14.4	16.0	15.9	17.9	20.2	16.3	17.1	16.8	18.8	21.2	18.1	18.3	17.7	19.8	22.3
	S.C.	14.4	13.8	11.4	11.6	9.4	16.3	16.1	13.3	13.4	10.6	18.1	18.3	15.1	15.1	11.8
	KW	1.35	1.32	1.33	1.33	1.30	1.32	1.31	1.32	1.31	1.29	1.29	1.29	1.31	1.30	1.28
95	T.C.	13.5	15.1	15.0	16.9	19.2	15.4	16.3	15.9	17.8	20.1	17.3	17.5	16.8	18.7	20.9
	S.C.	13.5	13.2	11.0	11.0	9.0	15.4	15.5	12.8	12.8	10.2	17.3	17.5	14.6	14.6	11.3
	KW	1.52	1.50	1.50	1.50	1.46	1.48	1.47	1.48	1.48	1.45	1.45	1.45	1.47	1.47	1.44
105	T.C.	12.9	14.1	13.9	15.8	18.0	14.6	15.3	14.7	16.6	18.7	16.2	16.4	15.5	17.4	19.4
	S.C.	12.9	12.7	10.5	10.6	8.6	14.6	14.7	12.2	12.4	9.6	16.2	16.4	14.0	14.2	10.7
	KW	1.80	1.79	1.81	1.80	1.74	1.77	1.75	1.78	1.77	1.74	1.73	1.72	1.75	1.74	1.73
115	T.C.	12.4	13.2	12.9	14.7	16.8	13.7	14.3	13.6	15.5	17.3	15.1	15.4	14.2	16.2	17.9
	S.C.	12.4	12.3	10.1	10.2	8.2	13.7	14.0	11.7	12.0	9.1	15.1	15.4	13.3	13.8	10.1
	KW	2.07	2.07	2.11	2.09	2.01	2.04	2.02	2.06	2.05	2.01	2.00	1.98	2.02	2.01	2.01
125	T.C.	11.9	12.2	11.9	13.6	15.6	12.9	13.3	12.4	14.3	16.0	13.9	14.3	12.9	15.0	16.4
	S.C.	11.9	11.9	9.6	9.9	7.7	12.9	13.2	11.1	11.6	8.6	13.9	14.3	12.7	13.4	9.5
	KW	2.34	2.36	2.42	2.38	2.28	2.31	2.30	2.35	2.33	2.29	2.28	2.24	2.29	2.28	2.29

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>	<b>Furnaces</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
-	FC/MC/PC18	0.97	0.97	1.01	R*L*AE12	FC/MC/PC18A	0.98	0.96	0.89
-	FC/MC/PC32	1.00	1.00	1.00	R*L*AE12	FC/MC/PC32A	1.03	1.03	0.89
-	FC/MC/PC35	1.00	1.00	1.00	R*L*AE12	FC/MC/PC37A	1.06	1.09	0.89
-	FC/MC/PC37	1.01	1.01	1.01	R*L*AE12	HD24	1.04	1.03	0.89
-	FC/MC/PC43	1.01	1.01	1.01	R*L*AE12	HD36	1.01	0.96	0.89
-	HD24	1.01	1.00	1.01	R*L*AE12	UC18A	1.01	1.01	0.90
-	HD36	0.97	0.93	1.01	R*L*BE12	FC/MC/PC18B	1.01	1.00	0.89
-	UC18	0.98	0.98	1.00	R*L*BE12	FC/MC/PC35B	1.03	1.08	0.89
RFCX18BE	-	1.01	1.02	0.91	R*L*BE12	FC/MC/PC43B	1.07	1.12	0.88
RFCX24BE	-	1.02	1.02	0.90	R*L*BE12	HD24	1.06	1.09	0.89
RFCX30BE	-	1.02	1.02	0.90	R*L*BE12	HD36	1.02	1.02	0.89
RFCX36CE	-	1.08	1.17	0.91	R*L*BE12	UC18B	1.01	1.01	0.90
RFCX18BP	-	0.99	1.02	0.99	R*L*CE16	FC/MC/PC35C	1.03	1.03	0.90
MX12B	FC/MC18B	1.01	1.00	0.89	R*L*CE16	HD24	1.05	1.08	0.90
MX12B	FC/MC35B	1.04	1.10	0.88	R*9*AE10	FC/MC/PC18A	0.99	0.98	0.92
MX12B	FC/MC43B	1.04	1.04	0.89	R*9*AE10	FC/MC/PC32A	1.02	1.02	0.92
					R*9*AE10	FC/MC/PC37A	1.02	1.02	0.93
					R*9*BE12	FC/MC/PC18B	1.01	1.00	0.89
					R*9*BE12	FC/MC/PC35B	1.04	1.09	0.89
					R*9*BE12	HD24	1.05	1.07	0.88
					R*9*BE12	HD36	1.02	1.00	0.89
					R*9*BE12	UC18B	1.01	1.01	0.90

<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J244S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC/PC32</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	<b>IDCFM</b>	<b>500</b>					<b>700</b>					<b>900</b>				
	<b>ID DB (°F)</b>	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	<b>ID WB (°F)</b>	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	20.5	23.7	23.8	27.1	29.1	23.5	25.4	25.5	28.6	30.8	26.5	27.1	27.1	30.1	32.6
	S.C.	20.5	18.8	16.0	16.5	13.4	23.5	22.1	18.6	19.0	15.0	26.5	25.4	21.2	21.5	16.5
	KW	1.35	1.31	1.34	1.31	1.33	1.33	1.31	1.33	1.32	1.32	1.31	1.31	1.33	1.33	1.31
75	T.C.	20.0	22.6	22.9	25.6	28.0	22.6	24.2	24.4	27.2	29.7	25.2	25.8	25.9	28.8	31.3
	S.C.	20.0	18.1	15.6	15.8	12.9	22.6	21.3	18.2	18.4	14.5	25.2	24.5	20.8	20.9	16.1
	KW	1.56	1.55	1.55	1.55	1.54	1.55	1.55	1.55	1.54	1.53	1.54	1.55	1.54	1.54	1.52
85	T.C.	19.5	21.5	22.0	24.1	26.9	21.7	23.0	23.4	25.8	28.5	23.9	24.4	24.8	27.5	30.1
	S.C.	19.5	17.3	15.2	15.1	12.4	21.7	20.4	17.8	17.7	14.1	23.9	23.5	20.4	20.3	15.7
	KW	1.78	1.79	1.77	1.78	1.75	1.77	1.78	1.76	1.76	1.74	1.76	1.78	1.75	1.75	1.73
95	T.C.	19.1	20.3	21.1	22.7	25.9	20.8	21.7	22.4	24.4	27.4	22.6	23.1	23.6	26.1	28.9
	S.C.	19.1	16.6	14.8	14.4	12.0	20.8	19.6	17.4	17.1	13.6	22.6	22.6	20.0	19.8	15.2
	KW	1.99	2.02	1.99	2.01	1.96	1.99	2.02	1.98	1.98	1.95	1.98	2.02	1.96	1.96	1.94
105	T.C.	17.9	19.1	19.5	21.4	24.3	19.7	20.5	20.6	22.9	25.7	21.4	21.8	21.7	24.4	27.1
	S.C.	17.9	16.1	14.0	13.9	11.3	19.7	19.0	16.4	16.4	13.0	21.4	21.8	18.9	19.0	14.6
	KW	2.40	2.44	2.41	2.41	2.35	2.38	2.41	2.41	2.37	2.32	2.35	2.38	2.41	2.33	2.29
115	T.C.	16.8	17.8	17.9	20.1	22.8	18.5	19.2	18.9	21.4	24.1	20.3	20.6	19.8	22.8	25.4
	S.C.	16.8	15.6	13.2	13.4	10.8	18.5	18.4	15.5	15.8	12.3	20.3	20.6	17.8	18.2	13.9
	KW	2.81	2.84	2.82	2.79	2.72	2.76	2.79	2.83	2.74	2.68	2.71	2.73	2.83	2.69	2.63
125	T.C.	15.7	16.6	16.3	18.9	21.3	17.4	18.0	17.1	20.0	22.4	19.2	19.4	18.0	21.1	23.6
	S.C.	15.7	15.1	12.4	12.8	10.2	17.4	17.8	14.5	15.1	11.7	19.2	19.4	16.7	17.4	13.2
	KW	3.21	3.25	3.23	3.17	3.10	3.14	3.16	3.25	3.11	3.03	3.07	3.08	3.26	3.05	2.97

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>	<b>Furnaces</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
-	FC/MC/PC32	1.00	1.00	1.00	R*L*AE12	FC/MC/PC32A	1.06	1.11	0.98
-	FC/MC/PC35	1.02	1.02	1.02	R*L*AE12	FC/MC/PC37A	1.08	1.16	0.99
-	FC/MC/PC37	1.04	1.04	1.04	R*L*AE12	HD36	0.85	1.01	0.81
-	FC/MC/PC43	1.03	1.05	1.02	R*L*BE12	FC/MC/PC35B	1.07	1.12	0.99
-	FC/MC/PC48	1.05	1.06	1.02	R*L*BE12	FC/MC/PC43B	1.09	1.17	0.99
-	HD36	1.02	0.99	1.04	R*L*BE12	HD36	1.06	1.11	0.98
-	HD48	1.05	1.04	1.04	R*L*CE16	FC/MC/PC35C	1.01	1.00	0.94
RFCX24BE	-	1.03	1.09	0.94	R*L*CE16	FC/MC/PC43C	1.03	1.04	0.94
RFCX30BE	-	1.03	1.09	0.94	R*L*CE16	FC/MC/PC48C	1.05	1.07	0.97
RFCX36CE	-	1.07	1.15	0.93	R*L*CE20	FC/MC/PC35C	1.07	1.16	0.98
RFCX42DE	-	1.08	1.13	0.92	R*9*AE10	FC/MC/PC32A	1.02	1.04	0.97
RFCX24BP	-	1.02	1.03	0.98	R*9*AE10	FC/MC/PC37A	1.03	1.06	0.96
MX12B	FC/MC35B	1.05	1.09	0.91	R*9*BE12	FC/MC/PC35B	1.06	1.12	0.98
MX12B	FC/MC43B	1.05	1.07	0.92	R*9*BE12	FC/MC/PC43B	1.07	1.13	0.98
					R*9*BE12	HD36	1.04	1.06	0.98
					R*9*CE16	FC/MC/PC35C	1.03	1.06	0.96
					R*9*CE16	FC/MC/PC43C	1.06	1.09	0.96
					R*9*CE16	FC/MC/PC48C	1.07	1.13	1.00
					R*9*CE20	FC/MC/PC35C	1.06	1.12	0.96
					R*9*CE20	FC/MC/PC43C	1.07	1.13	1.00
					R*9*CE20	FC/MC/PC48C	1.10	1.17	1.02

<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J304S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC/PC43</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	IDCFM	800					1000					1200				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	28.8	29.9	30.0	33.1	36.6	31.0	31.1	31.2	34.3	37.7	33.3	32.4	32.4	35.4	38.7
	S.C.	28.0	25.5	21.3	21.3	17.0	29.9	28.4	23.6	23.7	18.4	31.7	31.3	25.9	26.1	19.8
	KW	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.64	1.65	1.64	1.64	1.64	1.65	1.65
75	T.C.	27.3	28.5	28.7	31.6	35.1	29.4	29.7	29.7	32.7	36.1	31.4	30.9	30.8	33.8	37.1
	S.C.	26.9	24.4	20.5	20.6	16.5	28.8	27.3	22.7	22.9	17.8	30.6	30.1	25.0	25.2	19.2
	KW	1.90	1.90	1.90	1.89	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
85	T.C.	25.8	27.1	27.3	30.1	33.5	27.7	28.3	28.3	31.2	34.5	29.6	29.4	29.2	32.2	35.5
	S.C.	25.8	23.4	19.8	19.8	15.9	27.6	26.2	21.9	22.1	17.3	29.5	29.0	24.0	24.4	18.6
	KW	2.16	2.16	2.15	2.15	2.15	2.15	2.16	2.15	2.15	2.15	2.15	2.16	2.15	2.15	2.15
95	T.C.	24.3	25.8	25.9	28.6	31.9	26.0	26.9	26.8	29.6	32.9	27.8	28.0	27.7	30.6	33.9
	S.C.	24.3	22.4	19.0	19.1	15.3	26.0	25.1	21.1	21.3	16.7	27.8	27.8	23.1	23.6	18.1
	KW	2.41	2.42	2.41	2.41	2.40	2.41	2.41	2.41	2.41	2.40	2.40	2.41	2.41	2.40	2.40
105	T.C.	23.1	24.4	24.4	27.0	30.1	24.7	25.6	25.2	27.9	31.0	26.2	26.7	26.0	28.8	31.9
	S.C.	23.1	21.8	18.4	18.5	14.7	24.7	24.3	20.3	20.6	16.0	26.2	26.7	22.3	22.7	17.4
	KW	2.81	2.81	2.81	2.80	2.78	2.79	2.80	2.81	2.79	2.78	2.78	2.78	2.81	2.78	2.77
115	T.C.	22.0	23.1	23.0	25.5	28.4	23.4	24.3	23.7	26.3	29.2	24.8	25.5	24.4	27.1	30.0
	S.C.	22.0	21.2	17.8	17.9	14.1	23.4	23.6	19.6	19.9	15.4	24.8	25.5	21.5	21.9	16.7
	KW	3.19	3.20	3.20	3.18	3.14	3.17	3.17	3.20	3.17	3.14	3.15	3.13	3.20	3.15	3.14
125	T.C.	20.8	21.8	21.5	24.0	26.7	22.1	23.0	22.1	24.6	27.4	23.3	24.3	22.7	25.3	28.1
	S.C.	20.8	20.6	17.2	17.3	13.4	22.1	22.9	18.9	19.2	14.8	23.3	24.3	20.7	21.1	16.1
	KW	3.57	3.59	3.58	3.56	3.51	3.54	3.54	3.59	3.54	3.50	3.51	3.49	3.59	3.52	3.50

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>	<b>Furnaces</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
-	FC/MC/PC32	0.98	0.96	1.00	R*L*AE12	FC/MC/PC32A	0.99	0.98	0.93
-	FC/MC/PC35	0.98	0.96	1.00	R*L*AE12	FC/MC/PC37A	1.03	1.07	0.98
-	FC/MC/PC37	1.00	0.99	1.00	R*L*AE12	HD36	1.01	1.05	0.97
-	FC/MC/PC43	1.00	1.00	1.00	R*L*BE12	FC/MC/PC35B	1.01	1.05	0.94
-	FC/MC/PC48	1.01	1.00	1.01	R*L*BE12	FC/MC/PC43B	1.04	1.08	0.95
-	HD36	0.97	0.93	1.00	R*L*BE12	HD36	1.01	1.06	0.96
-	HD48	1.01	0.98	1.00	R*L*CE16	FC/MC/PC35C	1.01	1.06	0.94
RFCX30BE	-	1.00	0.97	0.95	R*L*CE16	FC/MC/PC43C	0.96	0.90	0.87
RFCX36CE	-	1.03	1.00	0.92	R*L*CE16	FC/MC/PC48C	0.98	0.93	0.91
RFCX42DE	-	1.04	1.02	0.91	R*L*CE16	HD36	1.01	1.04	0.96
RFCX30BP	-	1.01	1.00	1.03	R*L*CE20	FC/MC/PC35C	0.98	0.95	0.91
RFCX36BP	-	1.01	1.00	1.02	R*L*CE20	FC/MC/PC43C	1.01	0.98	0.92
MX12B	FC/MC35B	1.03	1.01	0.95	R*L*CE20	FC/MC/PC48C	1.01	1.01	0.94
MX12B	FC/MC43B	1.04	1.04	0.95	R*9*AE10	FC/MC/PC32A	0.99	0.97	1.02
MX16C	FC/MC35C	1.02	1.00	0.91	R*9*AE10	FC/MC/PC37A	1.00	0.99	1.03
MX16C	FC/MC43C	1.03	1.01	0.90	R*9*BE12	FC/MC/PC35B	1.01	1.04	0.96
MX16C	FC/MC48C	1.04	1.02	0.90	R*9*BE12	FC/MC/PC43B	1.03	1.07	0.96
					R*9*CE16	FC/MC/PC35C	1.01	1.04	0.96
					R*9*CE16	FC/MC/PC43C	1.03	1.06	0.96
					R*9*CE16	FC/MC/PC48C	1.04	1.07	0.97
					R*9*CE20	FC/MC/PC35C	0.93	0.87	0.93
					R*9*CE20	FC/MC/PC43C	0.96	0.90	0.89
					R*9*CE20	FC/MC/PC48C	0.98	0.93	0.91
					R*9*DE20	FC/MC/PC48D	0.99	0.94	0.92

<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J364S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC/PC43</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	<b>IDCFM</b>	<b>1000</b>					<b>1200</b>					<b>1400</b>				
	<b>ID DB (°F)</b>	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	<b>ID WB (°F)</b>	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	33.2	35.1	35.4	38.6	42.2	35.0	35.9	36.1	39.5	43.1	36.8	36.7	36.8	40.4	44.0
	S.C.	32.9	30.3	25.8	25.5	20.0	34.8	33.3	28.1	27.8	21.3	36.7	36.4	30.5	30.1	22.7
	KW	1.88	1.88	1.88	1.90	1.92	1.89	1.89	1.89	1.90	1.93	1.90	1.90	1.90	1.91	1.93
75	T.C.	32.0	33.4	33.6	36.9	40.5	33.7	34.4	34.4	37.7	41.3	35.5	35.3	35.2	38.5	42.0
	S.C.	31.6	29.4	25.0	24.7	19.3	33.4	32.3	27.4	27.1	20.8	35.3	35.3	29.7	29.4	22.2
	KW	2.18	2.19	2.18	2.19	2.21	2.19	2.19	2.19	2.20	2.21	2.19	2.19	2.19	2.20	2.22
85	T.C.	30.8	31.7	31.8	35.2	38.8	32.5	32.8	32.6	36.0	39.4	34.2	33.9	33.5	36.7	40.1
	S.C.	30.3	28.5	24.2	24.0	18.7	32.1	31.3	26.6	26.4	20.2	33.9	33.9	28.9	28.8	21.8
	KW	2.48	2.49	2.48	2.49	2.49	2.48	2.49	2.49	2.49	2.50	2.48	2.48	2.49	2.49	2.50
95	T.C.	29.6	30.1	30.0	33.5	37.1	31.2	31.3	30.9	34.2	37.6	32.9	32.6	31.8	34.9	38.1
	S.C.	29.0	27.7	23.4	23.2	18.1	30.8	30.3	25.8	25.7	19.7	32.5	32.6	28.2	28.1	21.3
	KW	2.79	2.80	2.79	2.78	2.78	2.78	2.79	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.79
105	T.C.	27.5	27.8	27.5	30.9	34.5	29.2	29.1	28.3	31.5	34.9	30.9	30.4	29.1	32.2	35.4
	S.C.	27.1	26.2	22.1	22.2	17.2	28.8	28.5	24.4	24.5	18.8	30.4	30.4	26.6	26.8	20.3
	KW	3.38	3.39	3.40	3.36	3.31	3.36	3.35	3.39	3.34	3.30	3.33	3.32	3.38	3.33	3.30
115	T.C.	25.5	25.6	25.1	28.3	32.0	27.2	26.9	25.7	28.9	32.4	28.9	28.2	26.4	29.5	32.8
	S.C.	25.2	24.8	20.8	21.2	16.4	26.8	26.7	23.0	23.3	17.9	28.4	28.2	25.1	25.5	19.4
	KW	3.96	3.96	4.00	3.91	3.83	3.92	3.91	3.98	3.89	3.81	3.87	3.85	3.95	3.87	3.79
125	T.C.	23.6	23.4	22.6	25.8	29.5	25.3	24.7	23.2	26.3	29.8	27.0	26.0	23.7	26.8	30.1
	S.C.	23.3	23.4	19.6	20.2	15.6	24.8	24.7	21.6	22.2	17.1	26.3	26.0	23.7	24.2	18.5
	KW	4.54	4.53	4.60	4.47	4.34	4.47	4.46	4.56	4.44	4.32	4.40	4.38	4.53	4.40	4.29

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
–	FC/MC/PC37	1.01	1.01	1.01
–	FC/MC/PC43	1.00	1.00	1.00
–	FC/MC/PC48	1.01	1.02	1.02
–	FC/MC/PC60	0.99	1.02	1.02
–	FC/MC62	1.01	1.03	1.01
–	FC64	1.04	1.07	1.02
–	HD48	1.01	1.00	1.02
–	UC60	0.97	0.95	1.02
RFCX36CE	–	1.02	1.04	0.93
RFCX42DE	–	1.03	1.06	0.92
RFCX48DE	–	1.02	1.05	0.92
RFCX60DE	–	1.04	1.06	0.91
RFCX36BP	–	1.00	1.01	1.03
RFCX42CP	–	1.02	1.05	1.00
MX12B	FC/MC43B	1.02	1.05	0.97
MX12D	FC/MC48D	1.04	1.07	0.94
MX12D	FC/MC60D	1.03	1.07	0.94
MX12D	FC/MC62D	1.05	1.10	0.92
MX12D	FC64D	1.08	1.14	0.91
MX16C	FC/MC43C	1.02	1.03	0.91
MX16C	FC/MC48C	1.03	1.06	0.90
MX20D	FC/MC60D	1.04	1.10	0.91
MX20D	FC/MC62D	1.04	1.10	0.91
MX20D	FC64D	1.08	1.14	0.91

<b>Furnaces</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
R*L*AE12	FC/MC/PC37A	1.04	1.06	1.00
R*L*BE12	FC/MC/PC43B	1.03	1.06	0.97
R*L*CE16	FC/MC/PC43C	1.03	1.03	0.97
R*L*CE16	FC/MC/PC48C	1.05	1.06	0.97
R*L*CE16	HD48	1.01	1.02	0.96
R*L*CE16	UC60C	0.99	0.98	0.96
R*L*CE20	FC/MC/PC43C	1.04	1.06	0.98
R*L*CE20	FC/MC/PC48C	1.04	1.05	0.97
R*L*CE20	HD48	1.03	1.05	0.97
R*L*CE20	UC60D	1.01	1.03	0.98
R*9*BE12	FC/MC/PC43B	1.03	1.06	0.99
R*9*CE16	FC/MC/PC43C	1.03	1.06	0.97
R*9*CE16	FC/MC/PC48C	1.04	1.07	0.98
R*9*CE16	FC/PC60C	1.00	1.02	0.96
R*9*CE16	HD48	0.98	1.06	0.95
R*9*CE20	FC/MC/PC43C	1.02	1.03	0.97
R*9*CE20	FC/MC/PC48C	1.04	1.05	0.98
R*9*CE20	FC/PC60C	0.99	0.98	0.95
R*9*CE20	HD48	1.03	1.05	0.99
R*9*DE20	FC/MC/PC48D	1.04	1.05	0.98
R*9*DE20	FC64D	1.05	1.08	1.00
R*9*DE20	HD48	1.03	1.05	0.99
R*9*DE20	UC60D	1.01	1.02	0.97

<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J424S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC/PC48</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	<b>IDCFM</b>	<b>1200</b>					<b>1400</b>					<b>1600</b>				
		<b>ID DB (°F)</b>					<b>ID DB (°F)</b>					<b>ID DB (°F)</b>				
		<b>ID WB (°F)</b>					<b>ID WB (°F)</b>					<b>ID WB (°F)</b>				
65	T.C.	39.9	41.8	41.4	45.0	47.9	41.6	42.7	42.4	45.9	48.8	43.4	43.7	43.3	46.8	49.7
	S.C.	39.8	36.6	30.9	30.3	23.8	41.4	39.2	32.9	32.4	24.9	43.1	41.9	35.0	34.6	26.0
	KW	2.30	2.31	2.31	2.32	2.33	2.31	2.31	2.32	2.33	2.34	2.32	2.31	2.32	2.34	2.34
75	T.C.	38.4	40.0	39.7	43.2	46.2	40.1	41.0	40.7	44.1	47.1	41.8	42.0	41.7	45.0	48.0
	S.C.	38.3	35.5	30.0	29.5	23.1	39.9	38.2	32.1	31.8	24.4	41.6	40.8	34.3	34.0	25.6
	KW	2.67	2.68	2.67	2.67	2.68	2.67	2.67	2.67	2.68	2.68	2.67	2.67	2.68	2.68	2.68
85	T.C.	37.0	38.3	38.0	41.4	44.6	38.6	39.3	39.0	42.3	45.4	40.3	40.3	40.0	43.1	46.2
	S.C.	36.7	34.5	29.1	28.8	22.5	38.4	37.1	31.3	31.1	23.8	40.1	39.7	33.6	33.3	25.1
	KW	3.04	3.04	3.03	3.02	3.02	3.03	3.04	3.03	3.03	3.02	3.03	3.03	3.03	3.03	3.03
95	T.C.	35.5	36.6	36.3	39.7	42.9	37.1	37.6	37.4	40.5	43.7	38.7	38.7	38.4	41.3	44.5
	S.C.	35.2	33.4	28.2	28.0	21.9	36.9	36.0	30.6	30.4	23.3	38.6	38.6	32.9	32.7	24.7
	KW	3.41	3.41	3.39	3.37	3.36	3.39	3.40	3.39	3.38	3.37	3.38	3.39	3.38	3.38	3.37
105	T.C.	33.7	34.4	34.0	37.4	40.5	35.1	35.5	34.9	38.1	41.2	36.6	36.6	35.9	38.9	41.9
	S.C.	33.3	32.3	27.3	27.1	21.1	34.9	34.6	29.5	29.4	22.4	36.5	36.6	31.7	31.7	23.8
	KW	4.03	4.01	4.01	3.94	3.90	3.98	3.98	3.99	3.93	3.90	3.94	3.94	3.98	3.92	3.89
115	T.C.	31.8	32.3	31.7	35.1	38.2	33.2	33.4	32.6	35.8	38.8	34.6	34.6	33.5	36.5	39.4
	S.C.	31.6	31.2	26.3	26.3	20.3	33.1	33.2	28.4	28.5	21.6	34.5	34.6	30.5	30.8	22.9
	KW	4.63	4.60	4.61	4.48	4.42	4.56	4.54	4.58	4.46	4.41	4.48	4.48	4.56	4.45	4.40
125	T.C.	30.0	30.1	29.5	32.9	35.8	31.3	31.4	30.2	33.5	36.4	32.6	32.6	31.0	34.1	36.9
	S.C.	29.8	30.1	25.4	25.4	19.5	31.2	31.4	27.4	27.6	20.8	32.5	32.6	29.4	29.8	22.1
	KW	5.23	5.18	5.22	5.02	4.93	5.13	5.10	5.17	5.00	4.92	5.03	5.02	5.13	4.98	4.92

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
–	FC/MC/PC43	1.00	1.00	1.00
–	FC/MC/PC48	1.00	1.00	1.00
–	FC/MC/PC60	1.01	1.01	0.99
–	FC/MC62	1.01	1.02	0.99
–	FC64	1.02	1.05	1.00
–	HD48	1.01	1.00	1.00
–	HD60	1.02	1.03	1.00
RFCX42DE	–	1.02	1.02	0.93
RFCX48DE	–	1.00	1.01	0.92
RFCX60DE	–	1.02	1.03	0.93
RFCX42CP	–	1.01	1.03	1.01
RFCX48DP	–	0.98	0.96	1.00
RFCX60DP	–	1.00	0.99	0.98
MX16C	FC/MC43C	1.01	1.01	0.92
MX16C	FC/MC48C	1.02	1.03	0.93
MX16C	FC60C	1.00	1.01	0.92
MX20D	FC/MC48D	1.02	1.03	0.93
MX20D	FC/MC60D	1.01	1.04	0.92
MX20D	FC/MC62D	1.02	1.06	0.91
MX20D	FC64D	1.06	1.10	0.93

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Furnaces	Coils	T.C.	S.C.	KW
R*L*BE12	FC/MC/PC43B	1.00	0.99	0.96
R*L*CE16	FC/MC/PC43C	1.02	1.05	0.98
R*L*CE16	FC/MC/PC48C	1.04	1.03	0.98
R*L*CE16	FC/MC62D	1.04	1.04	0.96
R*L*CE16	FC/PC60C	1.02	1.03	0.98
R*L*CE16	FC64D	1.04	1.05	0.96
R*L*CE16	HD48	1.02	1.02	0.96
R*L*CE16	UC48C	0.99	0.98	0.94
R*L*CE20	FC/MC/PC43C	1.02	1.03	0.98
R*L*CE20	FC/MC/PC48C	1.04	1.05	0.98
R*L*CE20	FC/MC/PC60D	1.02	1.03	0.98
R*L*CE20	FC/MC62D	1.04	1.04	0.96
R*L*CE20	FC64D	1.04	1.07	0.96
R*L*CE20	UC48C	1.00	1.01	0.95
R*9*BE12	FC/MC/PC43B	0.99	0.95	0.97
R*9*CE16	FC/MC/PC43C	1.02	1.02	0.98
R*9*CE16	FC/MC/PC48C	1.04	1.05	1.00
R*9*CE16	FC/MC62D	1.04	1.04	0.96

Furnaces	Coils	T.C.	S.C.	KW
R*9*CE16	FC/PC60C	1.02	1.03	0.98
R*9*CE16	FC64D	1.04	1.05	0.96
R*9*CE16	HD48	1.04	1.04	1.00
R*9*CE16	UC48C	0.98	0.97	0.96
R*9*CE20	FC/MC/PC43C	1.02	1.03	0.98
R*9*CE20	FC/MC/PC48C	1.04	1.05	1.00
R*9*CE20	FC/MC62D	1.04	1.04	0.96
R*9*CE20	FC/PC60C	1.02	1.03	0.96
R*9*CE20	FC64D	1.04	1.05	0.96
R*9*CE20	HD48	1.04	1.05	1.00
R*9*CE20	UC48C	0.99	0.97	0.97
R*9*DE20	FC/MC/PC48D	1.04	1.05	1.00
R*9*DE20	FC/MC/PC60D	1.04	1.06	0.98
R*9*DE20	FC/MC62D	1.04	1.04	0.96
R*9*DE20	FC64D	1.04	1.00	0.96
R*9*DE20	HD48	1.17	0.90	1.13
R*9*DE20	UC48D	0.99	0.98	0.97

<b>COOLING PERFORMANCE DATA</b>																
<b>AIR CONDITIONER MODEL NO.</b>		<b>RAC14J484S21(E)</b>														
<b>INDOOR COIL MODEL NO.</b>		<b>FC/MC62</b>														
<b>CONDENSING ENTERING AIR TEMPERATURE</b>	<b>IDCFM</b>	<b>1400</b>					<b>1600</b>					<b>1800</b>				
	<b>ID DB (°F)</b>	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	<b>ID WB (°F)</b>	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	43.3	48.6	46.2	50.6	54.3	44.9	49.3	47.7	52.2	55.4	46.5	49.9	49.3	53.9	56.5
	S.C.	43.2	39.3	33.6	33.2	26.2	44.8	42.1	35.6	35.0	27.1	46.4	45.0	37.6	36.7	27.9
	KW	2.60	2.62	2.62	2.63	2.67	2.60	2.62	2.62	2.64	2.68	2.61	2.63	2.62	2.65	2.69
75	T.C.	41.8	46.2	44.3	48.6	52.4	43.2	47.0	45.7	50.2	53.6	44.7	47.7	47.2	51.7	54.7
	S.C.	41.7	38.5	32.7	32.4	25.4	43.1	41.2	34.7	34.2	26.4	44.6	43.8	36.6	36.1	27.4
	KW	3.00	3.02	3.02	3.03	3.06	3.01	3.02	3.02	3.04	3.07	3.01	3.03	3.02	3.04	3.08
85	T.C.	40.3	43.8	42.4	46.7	50.5	41.6	44.7	43.7	48.1	51.7	42.9	45.5	45.1	49.5	52.9
	S.C.	40.2	37.8	31.9	31.6	24.7	41.5	40.2	33.7	33.5	25.8	42.8	42.6	35.6	35.4	26.9
	KW	3.40	3.42	3.42	3.43	3.45	3.41	3.42	3.43	3.44	3.46	3.42	3.43	3.43	3.44	3.46
95	T.C.	38.8	41.4	40.5	44.7	48.6	40.0	42.4	41.7	46.0	49.9	41.1	43.3	42.9	47.3	51.1
	S.C.	38.7	37.0	31.0	30.8	24.0	39.8	39.2	32.8	32.8	25.2	41.0	41.5	34.6	34.8	26.3
	KW	3.80	3.82	3.83	3.84	3.84	3.81	3.82	3.83	3.83	3.84	3.82	3.82	3.83	3.83	3.85
105	T.C.	36.6	38.8	38.2	42.2	45.9	37.8	39.9	39.3	43.4	47.0	38.9	40.9	40.5	44.6	48.1
	S.C.	36.6	35.8	29.8	29.8	22.9	37.7	37.7	31.7	31.9	24.1	38.8	39.6	33.6	33.9	25.3
	KW	4.48	4.54	4.53	4.48	4.44	4.47	4.51	4.52	4.46	4.44	4.45	4.48	4.50	4.45	4.45
115	T.C.	34.6	36.3	36.0	39.7	43.2	35.7	37.4	37.0	40.8	44.2	36.8	38.5	38.0	41.9	45.2
	S.C.	34.5	34.5	28.6	28.9	21.8	35.6	36.2	30.6	30.9	23.1	36.7	37.8	32.6	33.0	24.3
	KW	5.14	5.23	5.22	5.10	5.03	5.10	5.17	5.19	5.08	5.03	5.06	5.11	5.16	5.06	5.03
125	T.C.	32.5	33.8	33.7	37.3	40.6	33.6	34.9	34.7	38.3	41.4	34.7	36.1	35.6	39.3	42.3
	S.C.	32.4	33.3	27.4	27.9	20.8	33.5	34.7	29.5	30.0	22.1	34.6	36.0	31.6	32.2	23.3
	KW	5.80	5.92	5.91	5.72	5.61	5.74	5.83	5.86	5.69	5.61	5.67	5.74	5.81	5.66	5.61

**NOTE:** ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

#### Multipliers for determining the performance with other indoor sections.

**NOTE:** For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

<b>Air Handlers</b>	<b>Coils</b>	<b>T.C.</b>	<b>S.C.</b>	<b>KW</b>
–	FC/MC/PC48	0.97	1.00	0.99
–	FC/MC/PC60	0.99	0.97	1.01
–	FC/MC62	1.00	1.00	1.00
–	FC64	1.01	1.03	0.99
–	HD60	1.01	0.99	1.01
–	UC48	0.97	1.00	0.99
–	UC60	0.98	0.97	1.00
RFCX48DE	–	1.00	0.99	0.96
RFCX60DE	–	1.01	1.01	0.93
RFCX48DP	–	0.99	0.98	1.01
RFCX60DP	–	1.01	1.01	0.99
MX16C	FC/MC48C	0.99	1.04	0.97
MX16C	FC60C	0.99	0.95	0.91
MX20D	FC/MC48D	0.99	1.02	0.93
MX20D	FC/MC60D	0.99	0.95	0.91
MX20D	FC/MC62D	1.02	1.04	0.93
MX20D	FC64D	1.03	1.05	0.92

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Furnaces	Coils	T.C.	S.C.	KW
R*L*CE16	FC/MC/PC48C	0.98	1.01	0.96
R*L*CE16	FC/MC/PC48D	0.98	1.01	0.96
R*L*CE16	FC/MC/PC60D	1.00	0.98	0.98
R*L*CE16	FC/MC62D	1.00	0.95	0.92
R*L*CE16	FC/PC60C	1.00	0.98	0.98
R*L*CE16	FC64D	1.01	0.98	0.92
R*L*CE16	HD60	1.02	1.00	0.96
R*L*CE16	UC48C	0.98	1.01	0.96
R*L*CE16	UC60C	0.99	0.98	0.97
R*L*CE20	FC/MC/PC48C	0.98	1.01	0.94
R*L*CE20	FC/MC/PC48D	0.98	1.01	0.94
R*L*CE20	FC/MC/PC60D	1.00	0.98	0.96
R*L*CE20	FC/MC62D	1.02	1.03	0.96
R*L*CE20	FC/PC60C	1.00	0.98	0.96
R*L*CE20	FC64D	1.03	1.04	0.95
R*L*CE20	HD60	1.03	1.00	0.97
R*L*CE20	UC48C	0.98	1.01	0.90
R*L*CE20	UC60C	1.00	0.99	0.92
R*9*CE16	FC/MC/PC48C	0.98	1.01	0.96
R*9*CE16	FC/MC/PC48D	0.98	1.01	0.96
R*9*CE16	FC/MC/PC60D	1.00	0.98	0.98
R*9*CE16	FC/MC62D	1.01	1.02	0.97

Furnaces	Coils	T.C.	S.C.	KW
R*9*CE16	FC/PC60C	1.00	0.98	0.98
R*9*CE16	FC64D	1.02	1.04	0.96
R*9*CE16	HD60	1.02	1.00	0.96
R*9*CE16	UC48C	0.98	1.01	0.96
R*9*CE16	UC60C	0.99	0.98	0.97
R*9*CE20	FC/MC/PC48C	0.98	1.01	0.94
R*9*CE20	FC/MC/PC48D	0.98	1.01	0.94
R*9*CE20	FC/MC/PC60D	1.00	0.98	0.96
R*9*CE20	FC/MC62D	1.01	1.02	0.95
R*9*CE20	FC/PC60C	1.00	0.98	0.96
R*9*CE20	FC64D	1.02	1.04	0.94
R*9*CE20	HD60	1.03	1.00	0.97
R*9*CE20	UC48C	0.98	1.01	0.94
R*9*CE20	UC60C	0.99	0.98	0.95
R*9*DE20	FC/MC/PC48D	0.98	1.01	0.96
R*9*DE20	FC/MC/PC60D	1.00	0.97	0.92
R*9*DE20	FC/MC62D	0.99	0.95	0.91
R*9*DE20	FC64D	1.01	0.98	0.92
R*9*DE20	HD60	1.02	1.00	0.96
R*9*DE20	UC48D	0.98	1.01	0.96
R*9*DE20	UC60D	0.99	0.97	0.91

**COOLING PERFORMANCE DATA**

AIR CONDITIONER MODEL NO.		RAC14J604S21(E)														
INDOOR COIL MODEL NO.		FC/MC62														
CONDENSING ENTERING AIR TEMPERATURE	IDCFM	1600					1800					2000				
	ID DB (°F)	80	80	75	80	80	80	80	75	80	80	80	80	75	80	80
	ID WB (°F)	57	62	62	67	72	57	62	62	67	72	57	62	62	67	72
65	T.C.	52.3	60.4	57.1	61.8	66.7	54.1	61.4	58.6	63.6	67.7	55.9	62.5	60.2	65.3	68.7
	S.C.	51.1	46.8	40.1	39.0	31.5	52.9	49.5	42.1	41.0	32.6	54.7	52.1	44.2	43.0	33.7
	KW	3.12	3.16	3.15	3.19	3.23	3.14	3.17	3.17	3.20	3.25	3.15	3.18	3.18	3.21	3.26
75	T.C.	50.2	57.2	54.7	59.5	64.2	51.9	58.4	56.3	61.0	65.4	53.6	59.5	57.8	62.6	66.6
	S.C.	49.1	45.8	39.1	38.2	30.5	50.8	48.5	41.1	40.2	31.6	52.4	51.1	43.2	42.3	32.8
	KW	3.62	3.66	3.65	3.68	3.72	3.63	3.66	3.66	3.69	3.73	3.65	3.67	3.67	3.70	3.73
85	T.C.	48.1	54.1	52.4	57.1	61.6	49.7	55.3	53.9	58.5	63.1	51.3	56.6	55.4	60.0	64.5
	S.C.	47.0	44.8	38.0	37.3	29.5	48.6	47.4	40.1	39.4	30.7	50.2	50.1	42.2	41.5	31.9
	KW	4.12	4.15	4.15	4.17	4.20	4.13	4.16	4.16	4.18	4.20	4.14	4.16	4.16	4.18	4.21
95	T.C.	46.0	50.9	50.1	54.7	59.1	47.5	52.3	51.6	56.0	60.7	49.0	53.6	53.0	57.3	62.4
	S.C.	45.0	43.7	37.0	36.4	28.5	46.5	46.4	39.1	38.6	29.8	47.9	49.0	41.2	40.8	31.1
	KW	4.61	4.65	4.65	4.66	4.68	4.62	4.65	4.65	4.67	4.68	4.63	4.65	4.65	4.67	4.68
105	T.C.	43.4	47.6	47.3	51.8	56.5	44.7	49.0	48.6	52.9	58.0	46.1	50.5	49.9	54.1	59.4
	S.C.	42.4	42.5	35.8	35.3	27.4	43.8	44.8	37.9	37.5	28.7	45.1	47.2	40.0	39.6	30.0
	KW	5.40	5.43	5.45	5.43	5.43	5.40	5.42	5.44	5.43	5.42	5.39	5.41	5.44	5.43	5.42
115	T.C.	40.8	44.3	44.6	48.9	54.1	42.0	45.9	45.7	50.0	55.3	43.3	47.5	46.9	51.0	56.6
	S.C.	39.9	41.3	34.6	34.3	26.3	41.1	43.3	36.7	36.4	27.6	42.3	45.3	38.8	38.5	28.9
	KW	6.17	6.20	6.22	6.18	6.15	6.15	6.17	6.21	6.17	6.14	6.13	6.15	6.20	6.16	6.14
125	T.C.	38.2	41.1	41.8	46.0	51.6	39.3	42.8	42.9	47.0	52.7	40.5	44.5	43.9	47.9	53.7
	S.C.	37.4	40.1	33.4	33.3	25.2	38.5	41.8	35.5	35.3	26.5	39.6	43.5	37.5	37.4	27.8
	KW	6.93	6.96	6.99	6.92	6.86	6.90	6.92	6.98	6.91	6.86	6.87	6.89	6.96	6.90	6.86

NOTE: ALL CAPACITIES INCLUDE INDOOR FAN HEAT. KW VALUES ARE FOR THE SYSTEM (OUTDOOR + INDOOR).

**Multipliers for determining the performance with other indoor sections.**

NOTE: For dry bulb temperatures different than those listed (between 73-87 °F), sensible capacity increases by 1060 BTUH per 1000 CFM per degree above the listed temperature and decreases by 1060 BTUH per 1000 CFM per degree below the listed temperature.

Air Handlers	Coils	T.C.	S.C.	KW
-	FC/MC/PC60	0.97	0.95	0.99
-	FC/MC62	1.00	1.00	1.00
-	FC64	1.02	1.05	1.00
-	HD60	1.01	0.99	1.01
-	UC60	0.98	0.97	1.00
RFCX60DE	-	1.01	1.03	0.97
RFCX60DP	-	1.00	1.01	1.02
MX20D	FC/MC60D	0.99	0.97	0.95
MX20D	FC/MC62D	1.02	1.03	0.96
MX20D	FC64D	1.03	1.06	0.95

Furnaces	Coils	T.C.	S.C.	KW
R*L*CE16	FC/PC60C	0.97	0.94	0.95
R*L*CE16	UC60C	0.97	0.93	0.95
R*L*CE20	FC/MC/PC60D	0.99	0.97	0.95
R*L*CE20	FC/MC62D	1.00	0.99	0.94
R*L*CE20	FC/PC60C	0.97	0.93	0.95
R*L*CE20	FC64D	1.02	1.04	0.94
R*L*CE20	HD60	1.01	0.97	0.95
R*L*CE20	UC60C	0.97	0.93	0.95
R*L*CE20	UC60D	0.98	0.96	0.94
R*9*CE16	FC/PC60C	0.97	0.93	0.95
R*9*CE16	UC60C	0.97	0.93	0.95
R*9*CE20	FC/MC/PC60D	0.99	0.97	0.95
R*9*CE20	FC/MC62D	0.99	0.96	0.95
R*9*CE20	FC/PC60C	0.98	0.94	0.94
R*9*CE20	FC64D	1.01	1.01	0.95
R*9*CE20	HD60	1.00	0.96	0.94
R*9*CE20	UC60C	0.97	0.94	0.95
R*9*CE20	UC60D	0.98	0.95	0.94
R*9*DE20	FC/MC/PC60D	0.99	0.97	0.95
R*9*DE20	FC/MC62D	0.99	0.97	0.95
R*9*DE20	FC64D	1.01	1.02	0.95
R*9*DE20	HD60	1.00	0.97	0.96
R*9*DE20	UC60D	0.99	0.99	0.93