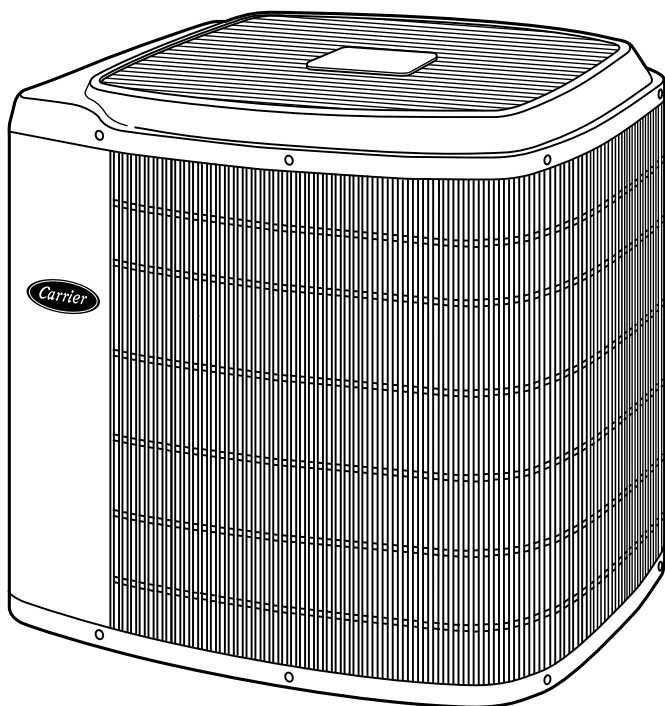




Product Data

SYNERGY 2000 38 TDA (60 Hz) Two-Speed Electric Air Conditioner

Sizes 036, 048, and 060



Model 38TDA Air Conditioners incorporate innovative 2-speed compressor technology to provide quiet, efficient cooling performance. Built into these units are features most desired by homeowners today, including SEER ratings up to 17.1 when used with specific Carrier equipment. All models are listed with UL, c-UL, ARI, CEC, and CSA-EEV. The 38TDA exceeds the Energy StarSM requirements for energy efficiency.

FEATURES/BENEFITS

Electrical Range — All units are offered in 208/230v single phase. Simplified field-stripped lead wire connections facilitate ease of installation.

Range of Sizes — Available in 3 nominal sizes: 036, 048, and 060 to meet the needs of residential applications.

WeatherArmor III System is a three component system—The casing steel is galvanized and coated with a layer of zinc phosphate. A modified polyester powder coating is then applied and baked on, providing each unit with a hard, smooth finish that will last for many years.

All screws on the cabinet exterior are SermaGuard coated for a long lasting, rust-resistant, quality appearance.

The coil is protected with an enhanced coil guard. With spacing of 3/8 in. and construction of coated 12 gage wire, the guard helps to protect from inclement weather (hail), vandalism, and incidental damage.

Unit Design — The coil incorporates copper tubing and enhanced, aluminum fins for optimum heat transfer. Hot condenser air and sound are discharged vertically and away from adjacent patio areas and foliage. Polymer spacers raise the coil in a heat pump style basepan for easy removal of water, dirt, and debris.

An electronic ICM condenser fan motor provides multi-speed operation and enhanced low-speed efficiencies and sound levels.

Auto-reset high- and low-pressure switches continuously monitor system operation.

Mechanical and electrical interlocks between the low- and high-speed contactors eliminate the potential of compressor motor burnout.

A compressor crankcase heater, energized at the proper temperature during the compressor off cycle, helps to provide reliable starting.

Application Versatility — This unit can be combined with a wide variety of

evaporator coils and fan coils to provide quiet, dependable comfort. Unit can be installed on a roof or at ground level on a slab.

External Service Valves — Both service valves are brass, back seating type with sweat connections. Valves are externally located so refrigerant connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

Easy Serviceability — Removal of access panel and control box cover provides easy access to all electrical controls and compressor. Removal of top provides access to fan motor and coil.

A self-diagnostic indicator on the electronic control board informs the service technician of the failed component.

Compressor Protection — Each compressor speed is protected with internal PTC-type overloads. An internal pressure relief valve provides high-pres-

sure protection to the refrigerant system.

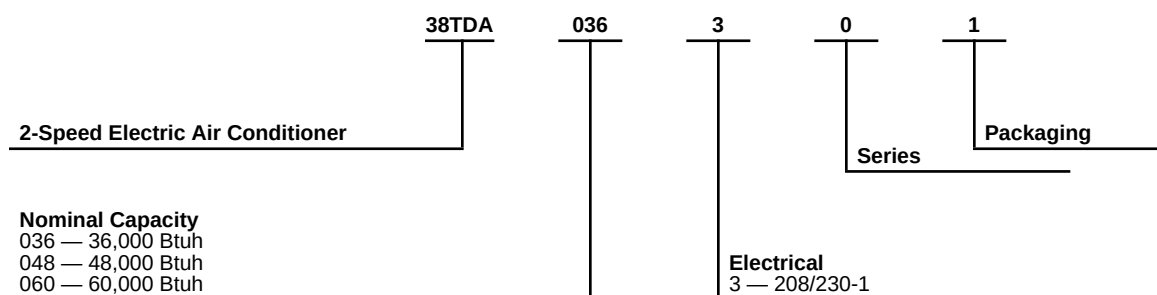
Standard Features — An electronic control eliminates excessive wiring, and features selectable second-stage latching, TimeGuard II® short cycle protection, and a malfunction output signal to the indoor thermostat. A compressor sound hood and discharge muffler provide improved sound levels as well as sound quality.

Compressor Start Assist — Capacitor and relay.

Expansion Valve — A hard shutoff, balance-port TXV, shipped with every unit for field installation, enhances system performance and reliability.

Limited Warranty — One-year limited warranty on all parts with an extended second-year warranty on the control board and extended second-through-tenth-year limited warranty on the compressor. Refer to warranty certificate for specific details.

Model number nomenclature



CERTIFICATION APPLIES
ONLY WHEN THE
COMPLETE SYSTEM
IS LISTED WITH ARI.



As an ENERGY STARSM
Partner, Carrier Corporation
has determined that this
product meets the ENERGY
STAR guidelines for energy
efficiency.



REGISTERED QUALITY SYSTEM



APPROVALS
ISO 9001
EN 29001
BS 5750 PART 1
ANSI/ASQC Q91



Physical data

UNIT SIZE - SERIES	036-30	048-30	060-30
OPERATING WEIGHT (Lb)	308	308	310
COMPRESSOR Manufacturer Type	Copeland 2-Speed Reciprocating		
REFRIGERANT Control Charge (Lb)	11.88	R-22 TXV 10.75	11.88
CONDENSER FAN Air Discharge Air Qty (CFM) — High Speed Motor HP Motor RPM Range	Propeller Type, Direct Drive Vertical 2800 1/5 440 – 850		
CONDENSER COIL Face Area (Sq Ft) Fins per In. Rows Circuits	Copper Tube, Aluminum Plate Fin 18.0 20 2 4		
VALVE CONNECT. (In. ID) Vapor Liquid	Sweat 7/8 3/8		
REFRIG TUBES (In. OD)* Vapor Liquid	7/8	3/8	1-1/8

NOTE: See unit Installation Instructions for proper installation.

* Tube sizes are for runs up to 50 ft. For tube set over 50 ft, consult Long Line Application Guideline.

Accessories

ORDERING NO.	DESCRIPTION
P502-8163S (RCD)	Filter Drier — All Sizes
KSASF0101AAA	Support Feet (4) — All Sizes
KAACF0201MED	Coastal Filter — All Sizes

THERMOSTAT / SUBBASE PKG	DESCRIPTION
TSTATCCN2S01-B	Thermostat, Auto Changeover, Non-Programmable, °F/°C, 2-stage heat/2-stage cool in AC mode, 3-stage heat/2-stage cool in HP mode
TSTATCCP2S01-B	Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 2-stage heat/2-stage cool in AC mode, 3-stage heat/2-stage cool in HP mode
TSTATCCPRH01-B	Thermidistat Control—Programmable/Non-Programmable Thermostat with Humidity Control
TSTATXXSEN01-B	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXBP01	Backplate for Programmable Thermostat
TSTATXXCNV10	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

Accessory Description and Usage

1. Coastal Filter

A mesh screen inserted under the top cover and inside the base pan to protect the condenser coil from salt damage without restricting airflow.
SUGGESTED USE: In geographic areas where salt damage could occur.

2. Filter Drier

A device for removing contaminants from refrigerant circulating in an air conditioner: 1-direction flow.
SUGGESTED USE: Split-system air conditioners.

3. Support Feet

Four stick-on plastic feet which raise the unit 4 in. above the mounting pad. This allows sand, dirt, and other debris to be flushed from the unit base, minimizing corrosion.
SUGGESTED USE: Coastal installations.
Windy areas or where debris is normally circulating.
Rooftop installations.
For improved sound ratings.

Electrical data

UNIT SIZE- SERIES	V/PH	OPER VOLTS*		COMPR		FAN FLA	MCA	60°C MIN WIRE SIZE†	75°C MIN WIRE SIZE†	60°C MAX LENGTH (Ft)‡	75°C MAX LENGTH (Ft)‡	MAX FUSE** OR CKT BKR AMPS
		Max	Min	LRA	RLA							
036-30	208/230/1	253	187	90.0	17.6	1.5	23.5	12	12	52	50	40
048-30				120.0	23.6	1.5	31.0	8	10	100	61	50
060-30				141.0	30.8	1.5	40.0	8	8	78	74	60

* Permissible limits of the voltage range at which unit will operate satisfactorily.

† If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70). The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-26. If other than uncoated (non-plated), 60 or 75°C (140 or 167°F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

‡ Length shown is as measured 1 way along wire path between unit and service panel for voltage drop not to exceed 2%.

** Time-delay fuse.

FLA — Full Load Amps

LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps

RLA — Rated Load Amps

NOTES: 1. Control circuit is 24-v on all units and requires external power source.

2. Copper wire must be used from service disconnect to unit.

3. All motors and compressors contain internal overload protection.

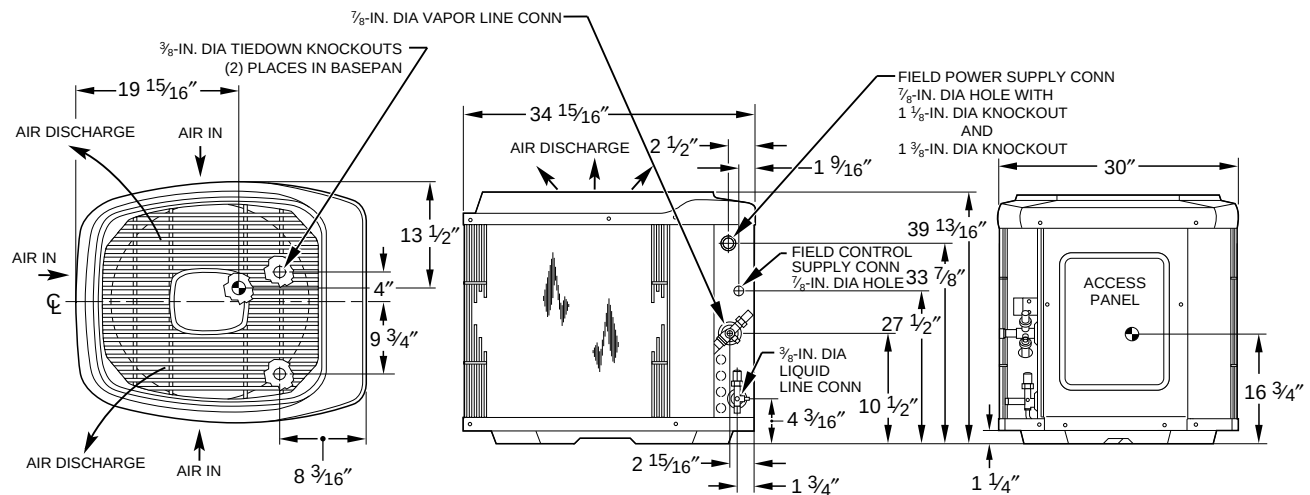
CHARGING SUBCOOLING (TXV TYPE EXPANSION DEVICE)

UNIT SIZE	HIGH	LOW
036	11	9
048	11	9
060	15	12

SOUND POWER (dBA)

UNIT SIZE	SPEED	OCTAVE BAND CENTER FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	8000
036	HIGH	61.0	67.5	68.0	69.0	64.5	57.5	57.0
048	HIGH	58.0	65.5	71.0	70.0	67.5	59.5	59.0
060	HIGH	62.0	68.5	74.0	72.5	66.5	60.0	57.5
036	LOW	57.5	65.5	65.0	65.0	60.5	52.0	51.0
048	LOW	56.0	66.0	67.5	66.0	62.0	55.0	51.5
060	LOW	53.5	64.0	68.0	66.0	60.0	53.0	51.5

Dimensions



NOTES:

1. Allow 30 In. clearance to service side of unit, 48 In. above unit, 6 In. on one side, 12 In. on remaining side, and 24 In. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F, max. 125°F.
3. Series designation is the 13th position of the unit model number.
4. Center of gravity .

A97085

DIMENSIONS (IN.)

UNIT SIZE	SERIES	MINIMUM MOUNTING PAD DIMENSIONS
036	30	26 x 32
048	30	26 x 32
060	30	26 x 32

Combination ratings

UNIT SIZE	INDOOR SECTION	INDOOR AIR CFM		TOTAL CAPACITY BTUH		SEER	EER	SOUND LEVEL HIGH/LOW (dBA)
		High	Low	High	Low			
036-30	FK4CNB006*	1100	759	40,000	22,400	17.10	12.00	76/72
	CC5A/CD5AA036	1400	850	37,600	20,600	13.60	10.45	76/72
	CC5A/CD5AW048	1400	850	37,600	20,600	13.70	10.45	76/72
	CC5A/CD5AW060	1400	850	38,500	20,800	14.00	10.50	76/72
	CD5AA048	1400	850	37,600	20,600	12.70	10.50	76/72
	CD5AW036	1400	850	37,600	20,600	13.60	10.45	76/72
	CE3AA036	1400	850	37,200	20,200	13.50	10.40	76/72
	CE3AA042	1400	850	37,600	20,600	13.60	10.50	76/72
	CE3AA048	1400	850	37,800	20,800	13.80	10.60	76/72
	CE3AA060	1400	850	38,500	20,800	14.00	10.80	76/72
	CF5AA036	1400	850	37,600	20,400	13.60	10.40	76/72
	CJ5A/CK5A/CK5BA036	1400	850	38,000	22,000	13.80	10.40	76/72
	CJ5A/CK5A/CK5BA042	1400	850	38,000	22,000	13.80	10.40	76/72
	CJ5A/CK5A/CK5BN042	1400	850	38,000	22,000	13.80	10.40	76/72
	CJ5A/CK5A/CK5BN060	1400	850	38,500	22,600	14.00	10.70	76/72
	CJ5A/CK5A/CK5BW036	1400	850	38,000	22,000	13.80	10.40	76/72
	CK3BA036	1400	850	38,000	22,000	13.80	10.40	76/72
	CK3BA042	1400	850	38,000	22,000	13.80	10.40	76/72
	FK4CNF001	1100	680	36,200	21,200	15.00	10.80	76/72
	FK4CNF002	1100	680	36,400	21,600	15.50	10.80	76/72
	FK4CNF003	1100	680	37,000	21,600	16.00	11.40	76/72
	FK4CNF005	1100	680	39,000	22,400	16.50	11.80	76/72
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1200	800	37,000	21,000	15.30	10.75	76/72
	CC5A/CD5AA042	1200	800	37,000	21,000	15.35	10.45	76/72
	CC5A/CD5AA060	1200	800	37,800	21,400	15.40	10.95	76/72
	CC5A/CD5AW042	1200	800	37,000	21,000	15.35	10.75	76/72
	CC5A/CD5AW048	1200	800	37,000	21,000	15.50	10.90	76/72
	CC5A/CD5AW060	1200	800	38,000	21,800	15.85	11.25	76/72
	CD5AA048	1200	800	37,000	21,000	15.50	10.95	76/72
	CD5AW036	1200	800	37,000	21,000	15.30	10.75	76/72
	CE3AA036	1200	800	36,600	21,000	15.00	10.70	76/72
	CE3AA042	1200	800	37,800	21,200	15.40	10.90	76/72
	CE3AA048	1200	800	37,800	21,200	15.40	10.80	76/72
	CE3AA060	1200	800	38,000	21,800	15.70	11.20	76/72
	CJ5A/CK5A/CK5BA036	1200	800	37,000	22,000	15.30	10.70	76/72
	CJ5A/CK5A/CK5BN042	1200	800	37,000	22,000	15.30	10.70	76/72
	CK3BA036	1200	800	37,000	22,000	15.30	10.10	76/72
	CK3BA042	1200	800	37,000	22,000	15.50	10.70	76/72
	CK3BA048	1200	800	37,000	22,000	15.80	11.70	76/72
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1200	800	37,000	21,000	15.60	10.90	76/72
	CC5A/CD5AA042	1200	800	37,000	21,000	15.60	10.80	76/72
	CC5A/CD5AA060	1200	800	37,400	21,400	15.80	11.20	76/72
	CC5A/CD5AW042	1200	800	37,000	21,000	15.50	10.90	76/72
	CC5A/CD5AW048	1200	800	37,400	21,400	15.80	11.15	76/72
	CC5A/CD5AW060	1200	800	38,000	22,000	16.15	11.50	76/72
	CD5AA048	1200	800	37,400	21,400	15.85	11.15	76/72
	CD5AW036	1200	800	37,000	21,000	15.60	10.90	76/72
	CE3AA036	1200	800	37,000	21,000	15.30	10.80	76/72
	CE3AA042	1200	800	37,400	21,400	15.70	11.10	76/72
	CE3AA048	1200	800	37,400	21,400	15.70	11.10	76/72
	CE3AA060	1200	800	38,000	22,000	16.10	11.50	76/72
	CJ5A/CK5A/CK5BA042	1200	800	37,000	22,000	15.70	10.80	76/72
	CJ5A/CK5A/CK5BW036	1200	800	37,000	22,000	15.60	10.80	76/72
	CK3BA036	1200	800	37,000	22,000	15.60	10.80	76/72
	CK3BA042	1200	800	37,000	22,000	15.70	10.80	76/72
	CK3BA048	1200	800	37,000	22,000	15.80	11.00	76/72
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1200	800	37,000	21,000	15.60	10.95	76/72
	CC5A/CD5AA042	1200	800	37,000	21,000	15.60	11.05	76/72
	CC5A/CD5AA060	1200	800	37,400	21,200	15.80	11.20	76/72
	CC5A/CD5AW042	1200	800	37,000	21,000	15.50	11.00	76/72
	CC5A/CD5AW048	1200	800	37,400	21,200	15.80	11.20	76/72
	CC5A/CD5AW060	1200	800	38,000	22,000	16.10	11.50	76/72
	CD5AA048	1200	800	37,400	21,200	15.80	11.20	76/72
	CD5AW036	1200	800	37,000	21,000	15.60	10.95	76/72
	CE3AA036	1200	800	37,000	21,000	15.30	10.90	76/72
	CE3AA042	1200	800	37,400	21,200	15.60	11.10	76/72
	CE3AA048	1200	800	37,400	21,400	15.70	11.20	76/72
	CE3AA060	1200	800	38,000	22,000	16.00	11.50	76/72

See notes on pg. 9.

Combination ratings continued

UNIT SIZE	INDOOR SECTION	INDOOR AIR CFM		TOTAL CAPACITY BTUH		SEER	EER	SOUND LEVEL HIGH/LOW (dBA)
		High	Low	High	Low			
036-30	CJ5A/CK5A/CK5BA042	1200	800	37,000	22,000	15.70	11.00	76/72
	CJ5A/CK5A/CK5BN060	1200	800	37,800	22,400	16.00	11.50	76/72
	CJ5A/CK5A/CK5BW036	1200	800	37,000	22,000	15.60	11.00	76/72
	CJ5A/CK5A/CK5BX060	1200	800	37,800	22,400	16.20	11.50	76/72
	CK3BA036	1200	800	37,000	22,000	15.60	11.00	76/72
	CK3BA042	1200	800	37,400	22,200	15.70	11.00	76/72
	CK3BA048	1200	800	37,400	22,200	15.80	11.20	76/72
	CK3BA060	1200	800	37,800	22,400	15.80	11.30	76/72
	COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1120	660	37,000	21,000	15.00	11.10	76/72
	CC5A/CD5AA042	1115	660	37,000	21,000	15.50	11.05	76/72
	CC5A/CD5AW042	1115	660	37,000	21,000	15.50	10.95	76/72
	CE3AA036	1120	660	36,000	20,600	15.30	10.90	76/72
	CE3AA042	1115	660	37,000	21,000	15.50	11.10	76/72
	CJ5A/CK5A/CK5BA036	1125	660	37,000	21,000	15.50	10.90	76/72
	CK3BA036	1125	660	37,000	21,000	15.50	10.90	76/72
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1130	755	37,000	21,000	15.80	11.15	76/72
	CC5A/CD5AA042	1125	760	37,000	21,000	15.80	11.20	76/72
	CC5A/CD5AW042	1125	760	37,000	21,000	15.80	11.10	76/72
	CD5AW036	1130	755	37,000	21,000	15.80	11.15	76/72
	CE3AA036	1130	750	36,000	20,600	15.50	11.00	76/72
	CE3AA042	1125	760	37,000	21,000	15.80	11.30	76/72
	CJ5A/CK5A/CK5BA042	1125	755	37,000	21,000	16.00	11.10	76/72
	CJ5A/CK5A/CK5BW036	1125	755	37,000	21,000	16.00	11.10	76/72
	CK3BA036	1130	750	37,000	21,000	16.00	11.10	76/72
	CK3BA042	1125	755	37,000	21,000	16.00	11.10	76/72
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1090	795	37,000	21,000	16.00	11.30	76/72
	CC5A/CD5AA042	1090	790	37,000	21,000	16.00	11.40	76/72
	CC5A/CD5AW042	1090	790	37,000	21,000	16.00	11.30	76/72
	CE3AA036	1090	800	36,000	20,600	15.70	11.20	76/72
	CE3AA042	1090	790	37,000	21,000	16.00	11.50	76/72
	CJ5A/CK5A/CK5BA042	1090	795	37,000	21,000	16.00	11.30	76/72
	CJ5A/CK5A/CK5BW036	1090	795	37,000	21,000	16.00	11.30	76/72
	CK3BA036	1090	800	37,000	21,000	16.00	11.30	76/72
	CK3BA042	1090	795	37,000	21,000	16.00	11.30	76/72
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA036	1080	810	37,000	21,000	16.00	11.30	76/72
	CC5A/CD5AA042	1080	825	37,000	21,000	16.00	11.35	76/72
	CC5A/CD5AW042	1080	810	37,000	21,000	16.00	11.25	76/72
	CE3AA036	1085	815	36,000	20,600	15.70	11.20	76/72
	CE3AA042	1065	810	37,000	21,000	16.00	11.40	76/72
	CJ5A/CK5A/CK5BA042	1070	810	37,000	21,000	16.00	11.30	76/72
	CJ5A/CK5A/CK5BW036	1070	810	37,000	21,000	16.00	11.30	76/72
	CK3BA036	1090	815	37,000	21,000	16.00	11.30	76/72
	CK3BA042	1070	810	37,000	21,000	16.00	11.30	76/72
048-30	FK4CNB006*	1470	995	51,000	29,000	15.30	10.80	78/74
	CC5A/CD5AA060	1800	1050	48,500	27,000	12.80	9.75	78/74
	CC5A/CD5AW048	1800	1050	48,000	27,000	12.70	9.65	78/74
	CC5A/CD5AW060	1800	1050	50,000	27,800	13.00	9.95	78/74
	CD5AA048	1800	1050	48,000	27,600	12.80	9.65	78/74
	CE3AA048	1800	1050	48,500	27,000	12.80	9.70	78/74
	CE3AA060	1800	1050	50,000	27,800	13.00	9.95	78/74
	CF5AA048	1800	1050	48,500	27,000	12.80	9.75	78/74
	CJ5A/CK5A/CK5BA048	1850	1050	48,000	27,600	12.80	9.95	78/74
	CJ5A/CK5A/CK5BA060	1850	1050	49,000	28,000	12.90	9.60	78/74
	CJ5A/CK5A/CK5BN060	1850	1050	49,000	28,000	13.00	9.70	78/74
	CJ5A/CK5A/CK5BW048	1850	1050	48,000	27,600	12.80	9.45	78/74
	CJ5A/CK5A/CK5BX060	1850	1050	49,000	28,000	13.00	9.70	78/74
	CK3BA048	1850	1050	48,000	27,600	12.80	9.45	78/74
	CK3BA060	1850	1050	49,000	28,000	12.90	9.60	78/74
	FK4CNF005	1470	910	49,000	28,000	14.80	10.40	78/74
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1600	1000	48,500	27,000	13.85	9.85	78/74
	CC5A/CD5AW048	1600	1000	47,000	27,600	13.85	9.75	78/74
	CC5A/CD5AW060	1600	1000	49,000	27,600	14.30	10.10	78/74
	CD5AA048	1600	1000	47,000	27,600	13.85	9.75	78/74
	CE3AA048	1600	1000	48,500	27,200	13.80	9.70	78/74
	CE3AA060	1600	1000	49,000	27,600	14.30	10.10	78/74
	CJ5A/CK5A/CK5BA048	1600	1000	47,000	27,800	14.00	9.50	78/74

See notes on pg. 9.

Combination ratings continued

UNIT SIZE	INDOOR SECTION	INDOOR AIR CFM		TOTAL CAPACITY BTUH		SEER	EER	SOUND LEVEL HIGH/LOW (dBA)
		High	Low	High	Low			
048-30	CJ5A/CK5A/CK5BA060	1600	1000	48,500	28,000	14.00	9.70	78/74
	CJ5A/CK5A/CK5BN060	1600	1000	49,000	28,600	14.30	9.85	78/74
	CJ5A/CK5A/CK5BX060	1600	1000	49,000	28,600	14.40	9.90	78/74
	CK3BA048	1600	1000	47,000	27,600	14.00	9.50	78/74
	CK3BA060	1600	1000	48,500	28,000	14.00	9.70	78/74
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE							
	CE3AA048	1600	1000	47,000	27,800	14	9.6	78/74
	CE3AA060	1600	1000	49,000	28,200	14.2	9.9	78/74
	CK3BA048	1600	1000	48,500	28,000	14.2	9.85	78/74
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1505	950	48,000	28,000	14.00	10.00	78/74
	CC5A/CD5AC048	1505	950	47,000	27,600	14.00	9.80	78/74
	CC5A/CD5AW048	1505	950	47,000	27,600	14.00	10.05	78/74
	CC5A/CD5AW060	1505	950	48,000	28,000	14.30	10.20	78/74
	CD5AA048	1505	950	47,000	27,600	14.00	9.90	78/74
	CE3AA048	1505	955	47,000	27,600	14.00	9.95	78/74
	CE3AA060	1505	950	48,000	28,000	14.30	10.30	78/74
	CJ5A/CK5A/CK5BA048	1505	950	47,000	27,600	14.00	9.70	78/74
	CK3BA048	1505	950	47,000	27,600	14.00	9.70	78/74
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1465	920	48,000	28,000	14.20	10.35	78/74
	CC5A/CD5AC048	1475	925	47,000	27,600	14.00	10.20	78/74
	CC5A/CD5AW048	1465	920	47,000	27,600	14.20	10.25	78/74
	CC5A/CD5AW060	1460	915	48,000	28,000	14.50	10.65	78/74
	CD5AA048	1465	920	47,000	27,600	14.20	10.25	78/74
	CE3AA048	1475	930	47,000	27,600	14.20	10.30	78/74
	CE3AA060	1460	920	48,000	28,000	14.50	10.60	78/74
	CJ5A/CK5A/CK5BA060	1470	935	47,000	28,000	14.20	10.20	78/74
	CJ5A/CK5A/CK5BW048	1470	930	47,000	27,600	14.30	10.10	78/74
	CJ5A/CK5A/CK5BX060	1460	925	48,000	28,400	14.50	10.40	78/74
	CK3BA048	1470	930	47,000	27,600	14.20	10.10	78/74
	CK3BA060	1470	935	48,000	28,000	14.20	10.20	78/74
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1470	995	48,000	28,000	14.20	10.25	78/74
	CC5A/CD5AC048	1490	1000	47,000	27,600	14.00	10.10	78/74
	CC5A/CD5AW048	1475	1000	47,000	27,600	14.20	10.15	78/74
	CC5A/CD5AW060	1455	995	48,000	28,000	14.50	10.50	78/74
	CD5AA048	1475	1000	47,000	27,600	14.20	10.25	78/74
	CE3AA048	1490	1015	47,000	27,600	14.00	10.20	78/74
	CE3AA060	1465	995	48,000	28,000	14.50	10.50	78/74
	CJ5A/CK5A/CK5BA060	1455	1000	48,000	28,200	14.20	10.20	78/74
	CJ5A/CK5A/CK5BW048	1485	1000	47,000	28,000	14.20	9.95	78/74
	CJ5A/CK5A/CK5BX060	1465	995	48,000	28,600	14.50	10.30	78/74
	CK3BA048	1485	1000	47,000	28,200	14.20	9.95	78/74
	CK3BA060	1460	1000	48,000	28,200	14.20	10.20	78/74
060-30	FK4CNB006*	1835	1240	58,500	33,000	14.70	9.95	80/74
	CC5A/CD5AA060	2100	1200	55,000	30,600	12.20	9.50	80/74
	CC5A/CD5AW060	2100	1200	56,500	31,600	12.50	9.70	80/74
	CE3AA060	2100	1200	57,500	31,400	12.50	9.70	80/74
	CJ5A/CK5A/CK5BA060	2100	1200	55,000	30,600	12.40	9.15	80/74
	CJ5A/CK5A/CK5BN060	2100	1200	56,500	31,200	12.60	9.25	80/74
	CJ5A/CK5A/CK5BX060	2100	1200	56,500	31,200	12.60	9.25	80/74
	CK3BA060	2100	1200	55,500	30,600	12.40	9.15	80/74
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1600	1000	53,000	30,600	13.40	9.55	80/74
	CC5A/CD5AW060	1600	1000	55,000	31,000	13.50	9.85	80/74
	CE3AA060	1600	1000	55,000	31,000	13.50	9.75	80/74
	CJ5A/CK5A/CK5BA060	1600	1000	53,000	30,400	13.50	9.10	80/74
	CJ5A/CK5A/CK5BN060	1600	1000	55,000	31,000	13.80	9.45	80/74
	CJ5A/CK5A/CK5BX060	1600	1000	55,000	31,000	13.80	9.45	80/74
	CK3BA060	1600	1000	53,000	30,400	13.50	9.30	80/74
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE							
	CE3AA060	1600	1000	53,000	30,400	13.70	9.50	80/74
	CK3BA048	1600	1000	53,000	30,400	13.70	9.40	80/74
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1880	1165	55,000	31,000	13.50	9.60	80/74
	CC5A/CD5AW060	1870	1155	56,000	31,600	13.80	9.85	80/74
	CE3AA060	1880	1165	56,500	31,600	13.80	9.85	80/74
	CJ5A/CK5A/CK5BA060	1875	1175	54,500	31,200	13.50	9.30	80/74
	CJ5A/CK5A/CK5BX060	1875	1165	56,000	31,800	13.80	9.45	80/74
	CK3BA060	1875	1175	54,500	31,200	13.50	9.30	80/74
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE							
	CC5A/CD5AA060	1840	1135	55,000	31,000	13.50	9.45	80/74
	CC5A/CD5AW060	1825	1135	56,000	31,600	13.80	9.70	80/74
	CE3AA060	1840	1135	56,500	31,600	13.80	9.70	80/74
	CJ5A/CK5A/CK5BA060	1830	1135	54,500	31,000	13.50	9.25	80/74
	CJ5A/CK5A/CK5BX060	1835	1135	55,500	31,600	13.80	9.20	80/74
	CK3BA060	1830	1135	54,500	31,000	13.50	9.25	80/74

See notes on pg. 9.

* Tested combination.

EER — Energy Efficiency Ratio

SEER — Seasonal Energy Efficiency Ratio

NOTES: 1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Application of capillary tube coils is not recommended.

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
		Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section													
800	72	43.6	20.7	3.10	41.2	19.8	3.31	38.8	18.9	3.52	36.4	17.9	3.73
	67	39.4	24.9	3.00	37.3	23.9	3.20	35.1	23.0	3.39	32.9	22.0	3.57
	63	36.5	24.3	2.92	34.5	23.3	3.11	32.4	22.3	3.29	30.3	21.3	3.46
	62	35.6	28.9	2.90	33.7	28.0	3.08	31.6	27.0	3.26	29.6	26.0	3.42
	57	32.6	32.6	2.81	31.1	31.1	3.00	29.6	29.6	3.17	28.0	28.0	3.35
900	72	44.8	21.6	3.14	42.4	20.7	3.36	39.9	19.7	3.58	37.4	18.8	3.78
	67	40.7	26.3	3.04	38.4	25.3	3.25	36.1	24.4	3.44	33.7	23.4	3.63
	63	37.7	25.6	2.97	35.5	24.6	3.16	33.3	23.6	3.34	31.0	22.6	3.51
	62	36.8	30.9	2.94	34.7	29.9	3.13	32.5	28.9	3.31	30.4	27.9	3.48
	57	34.2	34.2	2.88	32.6	32.6	3.07	31.0	31.0	3.25	29.4	29.4	3.43
990	72	45.8	22.4	3.18	43.2	21.4	3.40	40.7	20.5	3.62	38.0	19.5	3.82
	67	41.5	27.6	3.08	39.2	26.6	3.29	36.8	25.6	3.48	34.4	24.6	3.67
	63	38.4	26.8	3.00	36.2	25.8	3.20	34.0	24.8	3.38	31.7	23.7	3.55
	62	37.7	32.6	2.98	35.5	31.6	3.17	33.2	30.5	3.35	31.0	29.5	3.52
	57	35.6	35.6	2.93	33.9	33.9	3.12	32.2	32.2	3.31	30.5	30.5	3.50
1100	72	46.7	23.3	3.22	44.1	22.3	3.44	41.4	21.4	3.66	38.7	20.4	3.87
	67	42.5	29.0	3.12	40.0	28.0	3.33	37.5	27.0	3.53	35.0	26.0	3.72
	63	39.4	28.2	3.04	37.0	27.1	3.24	34.7	26.1	3.42	32.3	25.1	3.60
	62	38.6	34.6	3.02	36.3	33.6	3.22	34.0	32.5	3.40	31.8	31.4	3.58
	57	37.1	37.1	2.98	35.3	35.3	3.18	33.5	33.5	3.38	31.7	31.7	3.57
1225	72	47.6	24.3	3.26	44.9	23.3	3.49	42.1	22.3	3.70	39.3	21.4	3.91
	67	43.3	30.7	3.16	40.8	29.6	3.37	38.2	28.6	3.57	35.6	27.6	3.76
	63	40.2	29.7	3.08	37.7	28.7	3.28	35.3	27.6	3.47	32.8	26.6	3.64
	62	39.4	36.8	3.06	37.1	35.7	3.26	34.8	34.6	3.45	32.8	32.8	3.64
	57	38.5	38.5	3.04	36.7	36.7	3.25	34.7	34.7	3.45	32.8	32.8	3.64

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	CD5AA	048	0.93	0.90	1.02
CC5A/CD5AA	036	0.94	0.94	1.07	CD5AW	036	0.93	0.91	1.03
CC5A/CD5AW	048	0.94	0.94	1.07	CE3AA	036	0.91	0.90	1.02
	060	0.96	0.96	1.09		042	0.94	0.92	1.02
CD5AA	048	0.94	0.94	1.07		048	0.94	0.93	1.03
CD5AW	036	0.94	0.94	1.07		060	0.95	0.95	1.03
CE3AA	036	0.94	0.94	1.07	CJ5A/CK5A/CK5BA	036	0.93	0.93	1.05
	042	0.94	0.94	1.07	CJ5A/CK5A/CK5BN	042	0.93	0.93	1.05
	048	0.94	0.94	1.08	CK3BA	036	0.93	0.93	1.10
	060	0.96	0.96	1.09		042	0.93	0.93	1.05
CF5AA	036	0.94	0.94	1.07		048	0.93	0.93	0.99
CJ5A/CK5A/CK5BA	036	0.95	0.95	1.09	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE				
	042	0.95	0.95	1.09	CC5A/CD5AA	036	0.93	0.91	1.02
CJ5A/CK5A/CK5BN	042	0.95	0.95	1.09		042	0.93	0.91	1.01
	060	0.96	0.96	1.11		060	0.94	0.91	1.00
CJ5A/CK5A/CK5BW	036	0.95	0.95	1.09	CC5A/CD5AW	042	0.93	0.89	1.01
CK3BA	036	0.95	0.95	1.09		048	0.94	0.91	1.00
	042	0.95	0.95	1.09		060	0.95	0.95	1.01
FK4CNF	001	0.91	0.91	1.01	CD5AA	048	0.94	0.91	1.00
	002	0.91	0.91	1.02	CD5AW	036	0.93	0.91	1.02
	003	0.93	0.93	0.99	CE3AA	036	0.93	0.90	1.01
	005	0.98	0.98	1.00		042	0.94	0.93	1.01
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE						048	0.94	0.93	1.01
CC5A/CD5AA	036	0.93	0.91	1.03		060	0.95	0.95	1.01
	042	0.93	0.91	1.02	CJ5A/CK5A/CK5BA	042	0.93	0.93	1.04
	060	0.94	0.90	1.02		CJ5A/CK5A/CK5BW	036	0.93	0.93
CC5A/CD5AW	042	0.93	0.89	1.02	CK3BA	036	0.93	0.93	1.04
	048	0.93	0.90	1.02		042	0.93	0.93	1.04
	060	0.95	0.94	1.02		048	0.93	0.93	1.03

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section continued													
800	72	43.6	20.7	3.10	41.2	19.8	3.31	38.8	18.9	3.52	36.4	17.9	3.73
	67	39.4	24.9	3.00	37.3	23.9	3.20	35.1	23.0	3.39	32.9	22.0	3.57
	63	36.5	24.3	2.92	34.5	23.3	3.11	32.4	22.3	3.29	30.3	21.3	3.46
	62	35.6	28.9	2.90	33.7	28.0	3.08	31.6	27.0	3.26	29.6	26.0	3.42
	57	32.6	32.6	2.81	31.1	31.1	3.00	29.6	29.6	3.17	28.0	28.0	3.35
900	72	44.8	21.6	3.14	42.4	20.7	3.36	39.9	19.7	3.58	37.4	18.8	3.78
	67	40.7	26.3	3.04	38.4	25.3	3.25	36.1	24.4	3.44	33.7	23.4	3.63
	63	37.7	25.6	2.97	35.5	24.6	3.16	33.3	23.6	3.34	31.0	22.6	3.51
	62	36.8	30.9	2.94	34.7	29.9	3.13	32.5	28.9	3.31	30.4	27.9	3.48
	57	34.2	34.2	2.88	32.6	32.6	3.07	31.0	31.0	3.25	29.4	29.4	3.43
990	72	45.8	22.4	3.18	43.2	21.4	3.40	40.7	20.5	3.62	38.0	19.5	3.82
	67	41.5	27.6	3.08	39.2	26.6	3.29	36.8	25.6	3.48	34.4	24.6	3.67
	63	38.4	26.8	3.00	36.2	25.8	3.20	34.0	24.8	3.38	31.7	23.7	3.55
	62	37.7	32.6	2.98	35.5	31.6	3.17	33.2	30.5	3.35	31.0	29.5	3.52
	57	35.6	35.6	2.93	33.9	33.9	3.12	32.2	32.2	3.31	30.5	30.5	3.50
1100	72	46.7	23.3	3.22	44.1	22.3	3.44	41.4	21.4	3.66	38.7	20.4	3.87
	67	42.5	29.0	3.12	40.0	28.0	3.33	37.5	27.0	3.53	35.0	26.0	3.72
	63	39.4	28.2	3.04	37.0	27.1	3.24	34.7	26.1	3.42	32.3	25.1	3.60
	62	38.6	34.6	3.02	36.3	33.6	3.22	34.0	32.5	3.40	31.8	31.4	3.58
	57	37.1	37.1	2.98	35.3	35.3	3.18	33.5	33.5	3.38	31.7	31.7	3.57
1225	72	47.6	24.3	3.26	44.9	23.3	3.49	42.1	22.3	3.70	39.3	21.4	3.91
	67	43.3	30.7	3.16	40.8	29.6	3.37	38.2	28.6	3.57	35.6	27.6	3.76
	63	40.2	29.7	3.08	37.7	28.7	3.28	35.3	27.6	3.47	32.8	26.6	3.64
	62	39.4	36.8	3.06	37.1	35.7	3.26	34.8	34.6	3.45	32.8	32.8	3.64
	57	38.5	38.5	3.04	36.7	36.7	3.25	34.7	34.7	3.45	32.8	32.8	3.64

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling			
		Capacity	Sensible††	Power			Capacity	Sensible††	Power	
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CE3AA	036	0.90	0.88	1.00	
CC5A/CD5AA	042	0.93	0.91	1.00		CJ5A/CK5A/CK5BA	042	0.93	0.90	1.00
	060	0.94	0.91	1.00	036		0.93	0.94	1.02	
CC5A/CD5AW	042	0.93	0.90	1.00	CK3BA	036	0.93	0.94	1.02	
	048	0.94	0.91	1.00	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE					
	060	0.95	0.95	1.00	CC5A/CD5AA	036	0.93	0.89	0.99	
CD5AA	036	0.93	0.91	1.01		042	0.93	0.89	0.99	
	048	0.94	0.91	1.00	CC5A/CD5AW	042	0.93	0.88	0.99	
CD5AW	036	0.93	0.91	1.01	CD5AW	036	0.93	0.89	0.99	
CE3AA	036	0.93	0.90	1.01	CE3AA	036	0.90	0.88	0.99	
	042	0.94	0.93	1.01		042	0.93	0.91	0.99	
	048	0.94	0.94	1.01	CJ5A/CK5A/CK5BA	042	0.93	0.93	1.01	
	060	0.95	0.95	1.01	CJ5A/CK5A/CK5BW	036	0.93	0.93	1.01	
CJ5A/CK5A/CK5BA	042	0.93	0.93	1.02	CK3BA	036	0.93	0.93	1.01	
CJ5A/CK5A/CK5BN	060	0.94	0.94	1.03		042	0.93	0.93	1.01	
CJ5A/CK5A/CK5BW	036	0.93	0.93	1.02	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE					
CJ5A/CK5A/CK5BX	060	0.94	0.94	1.03	CC5A/CD5AA	036	0.93	0.88	0.98	
	036	0.93	0.93	1.03		042	0.93	0.88	0.97	
	CK3BA	042	0.94	0.94	1.02	CC5A/CD5AW	036	0.93	0.88	0.98
		048	0.94	0.94	1.02		042	0.93	0.87	0.97
	060	0.94	0.94	1.03	CE3AA	036	0.90	0.87	0.97	
						042	0.93	0.90	0.97	
COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE					CJ5A/CK5A/CK5BA	042	0.93	0.93	1.00	
CC5A/CD5AA	036	0.93	0.88	1.00		CJ5A/CK5A/CK5BW	036	0.93	0.93	1.00
	042	0.93	0.88	1.00	CK3BA		036	0.93	0.93	1.00
CC5A/CD5AW	042	0.93	0.87	0.99		042	0.93	0.93	1.00	
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See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section continued													
800	72	43.6	20.7	3.10	41.2	19.8	3.31	38.8	18.9	3.52	36.4	17.9	3.73
	67	39.4	24.9	3.00	37.3	23.9	3.20	35.1	23.0	3.39	32.9	22.0	3.57
	63	36.5	24.3	2.92	34.5	23.3	3.11	32.4	22.3	3.29	30.3	21.3	3.46
	62	35.6	28.9	2.90	33.7	28.0	3.08	31.6	27.0	3.26	29.6	26.0	3.42
	57	32.6	32.6	2.81	31.1	31.1	3.00	29.6	29.6	3.17	28.0	28.0	3.35
900	72	44.8	21.6	3.14	42.4	20.7	3.36	39.9	19.7	3.58	37.4	18.8	3.78
	67	40.7	26.3	3.04	38.4	25.3	3.25	36.1	24.4	3.44	33.7	23.4	3.63
	63	37.7	25.6	2.97	35.5	24.6	3.16	33.3	23.6	3.34	31.0	22.6	3.51
	62	36.8	30.9	2.94	34.7	29.9	3.13	32.5	28.9	3.31	30.4	27.9	3.48
	57	34.2	34.2	2.88	32.6	32.6	3.07	31.0	31.0	3.25	29.4	29.4	3.43
990	72	45.8	22.4	3.18	43.2	21.4	3.40	40.7	20.5	3.62	38.0	19.5	3.82
	67	41.5	27.6	3.08	39.2	26.6	3.29	36.8	25.6	3.48	34.4	24.6	3.67
	63	38.4	26.8	3.00	36.2	25.8	3.20	34.0	24.8	3.38	31.7	23.7	3.55
	62	37.7	32.6	2.98	35.5	31.6	3.17	33.2	30.5	3.35	31.0	29.5	3.52
	57	35.6	35.6	2.93	33.9	33.9	3.12	32.2	32.2	3.31	30.5	30.5	3.50
1100	72	46.7	23.3	3.22	44.1	22.3	3.44	41.4	21.4	3.66	38.7	20.4	3.87
	67	42.5	29.0	3.12	40.0	28.0	3.33	37.5	27.0	3.53	35.0	26.0	3.72
	63	39.4	28.2	3.04	37.0	27.1	3.24	34.7	26.1	3.42	32.3	25.1	3.60
	62	38.6	34.6	3.02	36.3	33.6	3.22	34.0	32.5	3.40	31.8	31.4	3.58
	57	37.1	37.1	2.98	35.3	35.3	3.18	33.5	33.5	3.38	31.7	31.7	3.57
1225	72	47.6	24.3	3.26	44.9	23.3	3.49	42.1	22.3	3.70	39.3	21.4	3.91
	67	43.3	30.7	3.16	40.8	29.6	3.37	38.2	28.6	3.57	35.6	27.6	3.76
	63	40.2	29.7	3.08	37.7	28.7	3.28	35.3	27.6	3.47	32.8	26.6	3.64
	62	39.4	36.8	3.06	37.1	35.7	3.26	34.8	34.6	3.45	32.8	32.8	3.64
	57	38.5	38.5	3.04	36.7	36.7	3.25	34.7	34.7	3.45	32.8	32.8	3.64

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE					CE3AA	036	0.90	0.87	0.97
CC5A/CD5AA	036	0.93	0.88	0.98		042	0.93	0.89	0.97
	042	0.93	0.87	0.97	CJ5A/CK5A/CK5BA	042	0.93	0.93	0.99
CC5A/CD5AW	036	0.93	0.88	0.98	CJ5A/CK5A/CK5BW	036	0.93	0.93	0.99
	042	0.93	0.86	0.97	CK3BA	036	0.93	0.93	0.99
	—	—	—	—	CK3BA	042	0.93	0.93	0.99

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section													
670	72	25.8	13.3	1.37	24.3	12.8	1.52	22.9	12.2	1.66	21.4	11.7	1.81
	67	23.3	16.7	1.37	22.0	16.2	1.51	20.7	15.6	1.64	19.3	15.1	1.77
	63	21.6	16.2	1.36	20.3	15.6	1.50	19.0	15.1	1.62	17.7	14.5	1.74
	62	21.1	20.0	1.36	19.9	19.5	1.49	18.8	18.8	1.62	17.8	17.8	1.74
	57	20.7	20.7	1.36	19.8	19.8	1.49	18.8	18.8	1.62	17.8	17.8	1.74
745	72	26.3	13.9	1.37	24.8	13.4	1.53	23.2	12.8	1.67	21.7	12.3	1.82
	67	23.8	17.7	1.37	22.4	17.1	1.52	21.0	16.6	1.65	19.6	16.1	1.79
	63	22.0	17.1	1.37	20.7	16.5	1.50	19.4	16.0	1.63	18.0	15.4	1.76
	62	21.6	21.4	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
	57	21.5	21.5	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
820	72	26.7	14.5	1.38	25.1	14.0	1.53	23.6	13.4	1.68	22.0	12.9	1.83
	67	24.2	18.7	1.38	22.7	18.1	1.52	21.3	17.6	1.66	19.9	17.0	1.80
	63	22.3	18.0	1.38	21.0	17.4	1.51	19.7	16.9	1.64	18.3	16.3	1.77
	62	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
	57	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
950	72	27.2	15.5	1.39	25.6	15.0	1.55	24.0	14.5	1.70	22.4	13.9	1.85
	67	24.7	20.3	1.39	23.2	19.8	1.54	21.7	19.2	1.68	20.3	18.6	1.82
	63	22.9	19.6	1.39	21.5	19.0	1.53	20.1	18.4	1.66	18.7	17.8	1.79
	62	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
	57	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
1075	72	27.6	16.5	1.40	25.9	16.0	1.56	24.3	15.4	1.71	22.6	14.9	1.86
	67	25.1	21.9	1.40	23.6	21.3	1.55	22.1	20.7	1.69	20.6	20.1	1.83
	63	23.2	21.0	1.40	21.8	20.4	1.54	20.4	19.8	1.68	19.1	19.1	1.81
	62	24.2	24.2	1.40	23.0	23.0	1.55	21.7	21.7	1.69	20.5	20.5	1.83
	57	24.2	24.2	1.40	23.0	23.0	1.55	21.8	21.8	1.69	20.5	20.5	1.83
1200	72	27.9	17.4	1.41	26.2	16.9	1.57	24.5	16.3	1.72	22.8	15.8	1.87
	67	25.5	23.4	1.41	23.9	22.8	1.56	22.4	22.1	1.71	21.0	21.0	1.85
	63	23.6	22.4	1.41	22.2	21.7	1.56	20.8	20.8	1.69	19.5	19.5	1.83
	62	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85
	57	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	036	0.98	0.91	1.14	CC5A/CD5AA	036	0.93	0.91	1.03
CC5A/CD5AW	048	0.91	0.91	1.14		042	0.93	0.91	1.03
	060	0.92	0.92	1.14		060	0.95	0.91	1.03
CD5AA	048	0.91	0.91	1.14	CC5A/CD5AW	042	0.93	0.90	1.03
CD5AW	036	0.91	0.91	1.14		048	0.93	0.91	1.03
CE3AA	036	0.89	0.89	1.14		060	0.96	0.94	1.03
	042	0.91	0.91	1.14	CD5AA	048	0.93	0.91	1.03
	048	0.92	0.92	1.14	CD5AW	036	0.93	0.91	1.03
	060	0.92	0.92	1.14	CE3AA	036	0.93	0.90	1.03
CF5AA	036	0.90	0.90	1.14		042	0.94	0.93	1.03
CJ5A/CK5A/CK5BA	036	0.97	0.97	1.16		048	0.94	0.93	1.03
	042	0.97	0.97	1.16	060	0.96	0.95	1.03	
CJ5A/CK5A/CK5BN	042	0.97	0.97	1.16	CJ5A/CK5A/CK5BA	036	0.97	0.97	1.06
	060	1.00	1.00	1.16	CJ5A/CK5A/CK5BN	042	0.97	0.97	1.06
CJ5A/CK5A/CK5BW	036	0.97	0.97	1.16	CK3BA	036	0.97	0.97	1.06
CK3BA	036	0.97	0.97	1.16		042	0.97	0.97	1.05
	042	0.97	0.97	1.16		048	0.97	0.97	1.05
FK4CNF	001	0.95	0.95	1.04		—	—	—	—
	002	0.96	0.96	1.04					
	003	0.96	0.93	1.01					
	005	1.00	1.00	1.02					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section continued													
670	72	25.8	13.3	1.37	24.3	12.8	1.52	22.9	12.2	1.66	21.4	11.7	1.81
	67	23.3	16.7	1.37	22.0	16.2	1.51	20.7	15.6	1.64	19.3	15.1	1.77
	63	21.6	16.2	1.36	20.3	15.6	1.50	19.0	15.1	1.62	17.7	14.5	1.74
	62	21.1	20.0	1.36	19.9	19.5	1.49	18.8	18.8	1.62	17.8	17.8	1.74
	57	20.7	20.7	1.36	19.8	19.8	1.49	18.8	18.8	1.62	17.8	17.8	1.74
745	72	26.3	13.9	1.37	24.8	13.4	1.53	23.2	12.8	1.67	21.7	12.3	1.82
	67	23.8	17.7	1.37	22.4	17.1	1.52	21.0	16.6	1.65	19.6	16.1	1.79
	63	22.0	17.1	1.37	20.7	16.5	1.50	19.4	16.0	1.63	18.0	15.4	1.76
	62	21.6	21.4	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
	57	21.5	21.5	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
820	72	26.7	14.5	1.38	25.1	14.0	1.53	23.6	13.4	1.68	22.0	12.9	1.83
	67	24.2	18.7	1.38	22.7	18.1	1.52	21.3	17.6	1.66	19.9	17.0	1.80
	63	22.3	18.0	1.38	21.0	17.4	1.51	19.7	16.9	1.64	18.3	16.3	1.77
	62	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
	57	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
950	72	27.2	15.5	1.39	25.6	15.0	1.55	24.0	14.5	1.70	22.4	13.9	1.85
	67	24.7	20.3	1.39	23.2	19.8	1.54	21.7	19.2	1.68	20.3	18.6	1.82
	63	22.9	19.6	1.39	21.5	19.0	1.53	20.1	18.4	1.66	18.7	17.8	1.79
	62	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
	57	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
1075	72	27.6	16.5	1.40	25.9	16.0	1.56	24.3	15.4	1.71	22.6	14.9	1.86
	67	25.1	21.9	1.40	23.6	21.3	1.55	22.1	20.7	1.69	20.6	20.1	1.83
	63	23.2	21.0	1.40	21.8	20.4	1.54	20.4	19.8	1.68	19.1	19.1	1.81
	62	24.2	24.2	1.40	23.0	23.0	1.55	21.7	21.7	1.69	20.5	20.5	1.83
	57	24.2	24.2	1.40	23.0	23.0	1.55	21.8	21.8	1.69	20.5	20.5	1.83
1200	72	27.9	17.4	1.41	26.2	16.9	1.57	24.5	16.3	1.72	22.8	15.8	1.87
	67	25.5	23.4	1.41	23.9	22.8	1.56	22.4	22.1	1.71	21.0	21.0	1.85
	63	23.6	22.4	1.41	22.2	21.7	1.56	20.8	20.8	1.69	19.5	19.5	1.83
	62	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85
	57	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					CC5A/CD5AW	042	0.93	0.90	1.02
CC5A/CD5AA	036	0.93	0.92	1.02		048	0.94	0.92	1.01
	042	0.93	0.92	1.02		060	0.97	0.94	1.02
	060	0.95	0.91	1.01	CD5AA	036	0.93	0.92	1.02
CC5A/CD5AW	042	0.93	0.90	1.02		048	0.94	0.92	1.01
	048	0.95	0.92	1.01	CD5AW	036	0.93	0.92	1.02
	060	0.97	0.94	1.01		CE3AA	036	0.93	0.91
CD5AA	048	0.95	0.92	1.01	042		0.94	0.93	1.02
CD5AW	036	0.93	0.92	1.02	048		0.95	0.93	1.02
CE3AA	036	1.15	0.91	1.02	060		0.97	0.95	1.02
	042	0.95	0.93	1.02	CJ5A/CK5A/CK5BA	042	0.97	0.97	1.04
	048	0.95	0.93	1.02	CJ5A/CK5A/CK5BN	060	0.99	0.99	1.04
	060	0.97	0.95	1.01	CJ5A/CK5A/CK5BW	036	0.97	0.97	1.04
CJ5A/CK5A/CK5BA	042	0.97	0.97	1.04	CJ5A/CK5A/CK5BX	060	0.99	0.99	1.04
CJ5A/CK5A/CK5BW	036	0.97	0.97	1.04	CK3BA	036	0.97	0.97	1.04
CK3BA	036	0.97	0.97	1.04		042	0.98	0.98	1.04
	042	0.97	0.97	1.04		048	0.98	0.98	1.04
	048	0.97	0.97	1.03		060	0.99	0.99	1.04
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					—	—	—	—	
CC5A/CD5AA	042	0.93	0.92	1.02					
	060	0.94	0.91	1.01					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA036-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section continued													
670	72	25.8	13.3	1.37	24.3	12.8	1.52	22.9	12.2	1.66	21.4	11.7	1.81
	67	23.3	16.7	1.37	22.0	16.2	1.51	20.7	15.6	1.64	19.3	15.1	1.77
	63	21.6	16.2	1.36	20.3	15.6	1.50	19.0	15.1	1.62	17.7	14.5	1.74
	62	21.1	20.0	1.36	19.9	19.5	1.49	18.8	18.8	1.62	17.8	17.8	1.74
	57	20.7	20.7	1.36	19.8	19.8	1.49	18.8	18.8	1.62	17.8	17.8	1.74
745	72	26.3	13.9	1.37	24.8	13.4	1.53	23.2	12.8	1.67	21.7	12.3	1.82
	67	23.8	17.7	1.37	22.4	17.1	1.52	21.0	16.6	1.65	19.6	16.1	1.79
	63	22.0	17.1	1.37	20.7	16.5	1.50	19.4	16.0	1.63	18.0	15.4	1.76
	62	21.6	21.4	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
	57	21.5	21.5	1.37	20.5	20.5	1.50	19.5	19.5	1.63	18.4	18.4	1.76
820	72	26.7	14.5	1.38	25.1	14.0	1.53	23.6	13.4	1.68	22.0	12.9	1.83
	67	24.2	18.7	1.38	22.7	18.1	1.52	21.3	17.6	1.66	19.9	17.0	1.80
	63	22.3	18.0	1.38	21.0	17.4	1.51	19.7	16.9	1.64	18.3	16.3	1.77
	62	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
	57	22.3	22.3	1.38	21.2	21.2	1.52	20.1	20.1	1.65	19.0	19.0	1.78
950	72	27.2	15.5	1.39	25.6	15.0	1.55	24.0	14.5	1.70	22.4	13.9	1.85
	67	24.7	20.3	1.39	23.2	19.8	1.54	21.7	19.2	1.68	20.3	18.6	1.82
	63	22.9	19.6	1.39	21.5	19.0	1.53	20.1	18.4	1.66	18.7	17.8	1.79
	62	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
	57	23.3	23.3	1.39	22.2	22.2	1.53	21.0	21.0	1.67	19.8	19.8	1.81
1075	72	27.6	16.5	1.40	25.9	16.0	1.56	24.3	15.4	1.71	22.6	14.9	1.86
	67	25.1	21.9	1.40	23.6	21.3	1.55	22.1	20.7	1.69	20.6	20.1	1.83
	63	23.2	21.0	1.40	21.8	20.4	1.54	20.4	19.8	1.68	19.1	19.1	1.81
	62	24.2	24.2	1.40	23.0	23.0	1.55	21.7	21.7	1.69	20.5	20.5	1.83
	57	24.2	24.2	1.40	23.0	23.0	1.55	21.8	21.8	1.69	20.5	20.5	1.83
1200	72	27.9	17.4	1.41	26.2	16.9	1.57	24.5	16.3	1.72	22.8	15.8	1.87
	67	25.5	23.4	1.41	23.9	22.8	1.56	22.4	22.1	1.71	21.0	21.0	1.85
	63	23.6	22.4	1.41	22.2	21.7	1.56	20.8	20.8	1.69	19.5	19.5	1.83
	62	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85
	57	24.9	24.9	1.41	23.6	23.6	1.56	22.4	22.4	1.71	21.1	21.1	1.85

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE					CC5A/CD5AW	036	0.93	0.92	1.00
CC5A/CD5AA	036	0.93	0.84	0.99		042	0.93	0.91	1.00
	042	0.93	0.84	0.99	CE3AA	036	0.91	0.91	1.01
CC5A/CD5AW	042	0.93	0.83	0.99		042	0.93	0.93	1.00
CE3AA	036	0.91	0.83	1.00	CJ5A/CK5A/CK5BA	042	0.93	0.93	1.02
	042	0.93	0.84	0.99	CJ5A/CK5A/CK5BW	036	0.93	0.93	1.02
CJ5A/CK5A/CK5BA	036	0.93	0.90	1.01	CK3BA	036	0.93	0.93	1.03
CK3BA	036	0.93	0.90	1.01		042	0.93	0.93	1.02
COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE					COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	036	0.93	0.90	1.00	CC5A/CD5AA	036	0.93	0.93	1.01
	042	0.93	0.90	1.00		042	0.93	0.93	1.00
CC5A/CD5AW	042	0.93	0.89	1.00	CC5A/CD5AW	036	0.93	0.93	1.01
CD5AW	036	0.93	0.90	1.00		042	0.93	0.92	1.00
CE3AA	036	0.91	0.88	1.00	CE3AA	036	0.91	0.91	1.01
	042	0.93	0.91	1.00		042	0.93	0.93	1.00
CJ5A/CK5A/CK5BA	042	0.93	0.93	1.02	CJ5A/CK5A/CK5BA	042	0.93	0.93	1.02
CJ5A/CK5A/CK5BW	036	0.93	0.93	1.02	CJK5A/CK5ACK5BW	036	0.93	0.93	1.02
CK3BA	036	0.93	0.93	1.02	CK3BA	036	0.93	0.93	1.03
	042	0.93	0.93	1.02		042	0.93	0.93	1.02
COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE					—	—	—	—	
CC5A/CD5AA	036	0.93	0.92	1.00					
	042	0.93	0.92	1.00					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA048-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section													
1070	72	55.3	26.5	4.37	52.9	25.6	4.70	50.4	24.6	5.02	47.8	23.6	5.34
	67	50.4	32.3	4.23	48.1	31.3	4.53	45.8	30.4	4.83	43.4	29.3	5.11
	63	46.8	31.6	4.12	44.7	30.6	4.40	42.5	29.5	4.68	40.1	28.4	4.92
	62	45.8	38.0	4.09	43.8	37.0	4.37	41.6	36.0	4.63	39.2	34.8	4.87
	57	42.5	42.5	3.98	40.9	40.9	4.26	39.3	39.3	4.52	37.4	37.4	4.76
1200	72	56.7	27.6	4.44	54.0	26.6	4.77	51.5	25.6	5.10	48.8	24.6	5.42
	67	51.6	34.1	4.30	49.3	33.1	4.60	46.9	32.1	4.91	44.4	31.0	5.19
	63	48.0	33.2	4.19	45.7	32.2	4.48	43.5	31.2	4.75	41.0	30.0	5.00
	62	47.1	40.5	4.16	44.9	39.4	4.44	42.6	38.3	4.71	40.2	37.2	4.96
	57	44.4	44.4	4.08	42.7	42.7	4.36	40.9	40.9	4.64	39.0	39.0	4.89
1325	72	57.7	28.6	4.50	55.0	27.6	4.83	52.3	26.6	5.16	49.6	25.6	5.49
	67	52.6	35.7	4.36	50.1	34.7	4.66	47.7	33.7	4.97	45.1	32.6	5.26
	63	48.9	34.8	4.25	46.6	33.7	4.54	44.2	32.7	4.82	41.7	31.5	5.08
	62	48.0	42.7	4.22	45.8	41.6	4.50	43.4	40.5	4.79	41.0	39.4	5.04
	57	46.0	46.0	4.16	44.3	44.3	4.45	42.4	42.4	4.73	40.4	40.4	5.00
1470	72	58.7	29.7	4.56	55.8	28.7	4.89	53.1	27.7	5.23	50.2	26.7	5.56
	67	53.6	37.6	4.42	51.0	36.5	4.73	48.5	35.5	5.04	45.7	34.4	5.34
	63	49.8	36.5	4.30	47.4	35.4	4.60	45.0	34.4	4.89	42.4	33.3	5.15
	62	49.0	45.2	4.28	46.6	44.1	4.57	44.4	43.0	4.86	41.9	41.7	5.12
	57	47.6	47.6	4.24	45.8	45.8	4.54	43.9	43.9	4.84	41.8	41.8	5.12
1625	72	59.6	30.9	4.62	56.6	29.8	4.95	53.7	28.8	5.29	50.9	27.8	5.63
	67	54.4	39.5	4.47	51.7	38.4	4.79	49.1	37.4	5.10	46.4	36.3	5.40
	63	50.6	38.3	4.37	48.1	37.2	4.66	45.6	36.1	4.95	43.0	35.0	5.22
	62	49.9	47.8	4.34	47.5	46.6	4.64	45.2	45.2	4.94	43.1	43.1	5.23
	57	49.2	49.2	4.32	47.2	47.2	4.63	45.2	45.2	4.93	43.1	43.1	5.23

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	CD5AA	048	0.92	0.89	1.01
CC5A/CD5AA	060	0.95	0.95	1.04	CE3AA	048	0.95	0.92	1.02
CC5A/CD5AW	048	0.94	0.94	1.03		060	0.96	0.96	1.02
	060	0.98	0.98	1.05	CJ5A/CK5A/CK5BA	048	0.92	0.92	1.03
CD5AA	048	0.94	0.94	1.03		060	0.95	0.95	1.04
CE3AA	048	0.95	0.95	1.04	CJ5A/CK5A/CK5BN	060	0.96	0.96	1.04
	060	0.98	0.98	1.05	CJ5A/CK5A/CK5BX	060	0.96	0.96	1.04
CF5AA	048	0.95	0.95	1.04	CK3BA	048	0.92	0.92	1.03
CJ5A/CK5A/CK5BA	048	0.94	0.94	1.05		060	0.95	0.95	1.04
	060	0.96	0.96	1.06	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				
CJ5A/CK5A/CK5BN	060	0.96	0.96	1.07	CC5A/CD5AA	060	0.94	0.87	0.99
CJ5A/CK5A/CK5BW	048	0.94	0.94	1.05	CC5A/CD5AC	048	0.92	0.85	0.99
CJ5A/CK5A/CK5BX	060	0.96	0.96	1.07	CC5A/CD5AW	048	0.92	0.87	0.97
CK3BA	048	0.94	0.94	1.05		060	0.94	0.91	1.00
	060	0.96	0.96	1.06	CD5AA	048	0.92	0.87	0.99
FK4CNF	005	0.96	0.94	1.00	CE3AA	048	0.92	0.90	1.00
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE						060	0.94	0.93	1.00
CC5A/CD5AA	060	0.95	0.89	1.01	CJ5A/CK5A/CK5BA	048	0.92	0.92	1.01
CC5A/CD5AC	048	0.91	0.87	1.01	CK3BA	048	0.92	0.92	1.01
CC5A/CD5AW	048	0.92	0.89	1.01		—	—	—	—
	060	0.96	0.93	1.02					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA048-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section continued													
1070	72	55.3	26.5	4.37	52.9	25.6	4.70	50.4	24.6	5.02	47.8	23.6	5.34
	67	50.4	32.3	4.23	48.1	31.3	4.53	45.8	30.4	4.83	43.4	29.3	5.11
	63	46.8	31.6	4.12	44.7	30.6	4.40	42.5	29.5	4.68	40.1	28.4	4.92
	62	45.8	38.0	4.09	43.8	37.0	4.37	41.6	36.0	4.63	39.2	34.8	4.87
	57	42.5	42.5	3.98	40.9	40.9	4.26	39.3	39.3	4.52	37.4	37.4	4.76
1200	72	56.7	27.6	4.44	54.0	26.6	4.77	51.5	25.6	5.10	48.8	24.6	5.42
	67	51.6	34.1	4.30	49.3	33.1	4.60	46.9	32.1	4.91	44.4	31.0	5.19
	63	48.0	33.2	4.19	45.7	32.2	4.48	43.5	31.2	4.75	41.0	30.0	5.00
	62	47.1	40.5	4.16	44.9	39.4	4.44	42.6	38.3	4.71	40.2	37.2	4.96
	57	44.4	44.4	4.08	42.7	42.7	4.36	40.9	40.9	4.64	39.0	39.0	4.89
1325	72	57.7	28.6	4.50	55.0	27.6	4.83	52.3	26.6	5.16	49.6	25.6	5.49
	67	52.6	35.7	4.36	50.1	34.7	4.66	47.7	33.7	4.97	45.1	32.6	5.26
	63	48.9	34.8	4.25	46.6	33.7	4.54	44.2	32.7	4.82	41.7	31.5	5.08
	62	48.0	42.7	4.22	45.8	41.6	4.50	43.4	40.5	4.79	41.0	39.4	5.04
	57	46.0	46.0	4.16	44.3	44.3	4.45	42.4	42.4	4.73	40.4	40.4	5.00
1470	72	58.7	29.7	4.56	55.8	28.7	4.89	53.1	27.7	5.23	50.2	26.7	5.56
	67	53.6	37.6	4.42	51.0	36.5	4.73	48.5	35.5	5.04	45.7	34.4	5.34
	63	49.8	36.5	4.30	47.4	35.4	4.60	45.0	34.4	4.89	42.4	33.3	5.15
	62	49.0	45.2	4.28	46.6	44.1	4.57	44.4	43.0	4.86	41.9	41.7	5.12
	57	47.6	47.6	4.24	45.8	45.8	4.54	43.9	43.9	4.84	41.8	41.8	5.12
1625	72	59.6	30.9	4.62	56.6	29.8	4.95	53.7	28.8	5.29	50.9	27.8	5.63
	67	54.4	39.5	4.47	51.7	38.4	4.79	49.1	37.4	5.10	46.4	36.3	5.40
	63	50.6	38.3	4.37	48.1	37.2	4.66	45.6	36.1	4.95	43.0	35.0	5.22
	62	49.9	47.8	4.34	47.5	46.6	4.64	45.2	45.2	4.94	43.1	43.1	5.23
	57	49.2	49.2	4.32	47.2	47.2	4.63	45.2	45.2	4.93	43.1	43.1	5.23

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE					COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	060	0.94	0.87	0.96	CC5A/CD5AA	060	0.94	0.87	0.97
CC5A/CD5AC	048	0.92	0.86	0.96	CC5A/CD5AC	048	0.92	0.86	0.97
CC5A/CD5AW	048	0.92	0.87	0.96	CC5A/CD5AW	048	0.92	0.87	0.97
	060	0.94	0.91	0.97		060	0.94	0.90	0.98
CD5AA	048	0.92	0.87	0.96	CD5AA	048	0.92	0.87	0.97
CE3AA	048	0.92	0.90	0.97	CE3AA	048	0.92	0.91	0.98
	060	0.94	0.93	0.97		060	0.94	0.93	0.98
CJ5A/CK5A/CK5BA	060	0.92	0.92	0.99	CJ5A/CK5A/CK5BA	060	0.94	0.94	0.99
CJ5A/CK5A/CK5BW	048	0.92	0.92	0.98	CJ5A/CK5A/CK5BW	048	0.92	0.92	0.99
CJ5A/CK5A/CK5BX	060	0.94	0.94	0.99	CJ5A/CK5A/CK5BX	060	0.94	0.94	1.00
CK3BA	048	0.92	0.92	0.98	CK3BA	048	0.92	0.92	0.99
	060	0.94	0.94	0.99		060	0.94	0.94	0.99

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
		Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA048-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section													
895	72	33.3	17.4	1.99	31.5	16.8	2.21	29.7	16.2	2.43	27.8	15.5	2.64
	67	30.2	22.1	1.99	28.5	21.5	2.20	26.8	20.8	2.40	25.2	20.1	2.59
	63	28.0	21.4	1.99	26.4	20.7	2.18	24.8	20.0	2.36	23.2	19.4	2.54
	62	27.4	26.7	1.99	26.0	25.9	2.18	24.7	24.7	2.36	23.5	23.5	2.55
	57	27.2	27.2	1.99	25.9	25.9	2.18	24.7	24.7	2.36	23.5	23.5	2.55
995	72	33.9	18.2	2.00	32.0	17.6	2.23	30.1	16.9	2.45	28.2	16.3	2.66
	67	30.7	23.4	2.01	29.0	22.7	2.21	27.3	22.1	2.41	25.5	21.4	2.61
	63	28.5	22.6	2.00	26.8	21.9	2.20	25.2	21.2	2.38	23.5	20.6	2.56
	62	28.2	28.2	2.00	26.9	26.9	2.20	25.6	25.6	2.39	24.2	24.2	2.58
	57	28.2	28.2	2.00	26.9	26.9	2.20	25.6	25.6	2.39	24.2	24.2	2.58
1095	72	34.3	19.0	2.01	32.4	18.4	2.24	30.5	17.7	2.46	28.5	17.1	2.68
	67	31.2	24.7	2.02	29.4	24.0	2.23	27.6	23.4	2.43	25.9	22.7	2.63
	63	28.9	23.8	2.02	27.2	23.1	2.21	25.5	22.4	2.40	23.8	21.7	2.58
	62	29.1	29.1	2.02	27.7	27.7	2.22	26.3	26.3	2.41	24.9	24.9	2.61
	57	29.1	29.1	2.02	27.7	27.7	2.22	26.3	26.3	2.41	24.9	24.9	2.61
1200	72	34.7	19.9	2.02	32.7	19.2	2.25	30.8	18.5	2.48	28.8	17.9	2.69
	67	31.6	26.0	2.03	29.7	25.3	2.24	27.9	24.7	2.45	26.1	24.0	2.64
	63	29.2	25.1	2.03	27.5	24.4	2.23	25.8	23.6	2.42	24.1	22.9	2.60
	62	29.9	29.9	2.03	28.4	28.4	2.23	27.0	27.0	2.43	25.5	25.5	2.63
	57	29.9	29.9	2.03	28.4	28.4	2.23	27.0	27.0	2.43	25.5	25.5	2.63
1325	72	35.1	20.8	2.04	33.1	20.1	2.27	31.1	19.5	2.49	29.0	18.8	2.71
	67	32.0	27.6	2.04	30.1	26.9	2.26	28.3	26.2	2.47	26.5	25.4	2.67
	63	29.6	26.5	2.04	27.9	25.8	2.24	26.2	25.0	2.44	24.5	24.2	2.63
	62	30.7	30.7	2.04	29.2	29.2	2.25	27.7	27.7	2.46	26.2	26.2	2.66
	57	30.7	30.7	2.04	29.2	29.2	2.25	27.7	27.7	2.46	26.2	26.2	2.66
1450	72	35.4	21.7	2.05	33.3	21.1	2.28	31.3	20.4	2.51	29.2	19.8	2.73
	67	32.3	29.1	2.06	30.4	28.4	2.27	28.6	27.6	2.49	26.8	26.7	2.69
	63	29.9	27.9	2.06	28.2	27.1	2.26	26.5	26.2	2.46	24.9	24.9	2.65
	62	31.4	31.4	2.06	29.9	29.9	2.27	28.3	28.3	2.48	26.8	26.8	2.69
	57	31.4	31.4	2.06	29.9	29.9	2.27	28.3	28.3	2.48	26.8	26.8	2.69

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	CD5AA	048	0.95	0.87	1.00
CC5A/CD5AA	060	0.93	0.86	1.10	CE3AA	048	0.94	0.89	1.01
CC5A/CD5AW	048	0.93	0.87	1.10		060	0.95	0.91	1.01
	060	0.96	0.90	1.10	CJ5A/CK5A/CK5BA	048	0.96	0.96	1.03
CD5AA	048	0.95	0.87	1.10		060	0.97	0.97	1.03
CE3AA	048	0.93	0.89	1.10	CJ5A/CK5A/CK5BN	060	0.99	0.98	1.03
	060	0.96	0.91	1.10	CJ5A/CK5A/CK5BX	060	0.99	0.98	1.02
CF5AA	048	0.93	0.87	1.10	CK3BA	048	0.95	0.95	1.03
CJ5A/CK5A/CK5BA	048	0.95	0.95	1.13		060	0.97	0.97	1.03
	060	0.97	0.97	1.13	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				
CJ5A/CK5A/CK5BN	060	0.97	0.97	1.13	CC5A/CD5AA	060	0.97	0.85	0.99
CJ5A/CK5A/CK5BW	048	0.95	0.95	1.13	CC5A/CD5AC	048	0.95	0.83	0.99
CK5A/CK5A/CK5BX	060	0.97	0.97	1.13	CC5A/CD5AW	048	0.95	0.85	0.99
CK3BA	048	0.95	0.95	1.13		060	0.97	0.88	0.99
	060	0.97	0.97	1.13	CD5AA	048	0.95	0.85	1.00
FK4CNF	005	0.97	0.93	1.00	CE3AA	048	0.95	0.87	0.99
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE						060	0.97	0.89	0.99
CC5A/CD5AA	060	0.93	0.87	1.00	CJ5A/CK5A/CK5BA	048	0.95	0.93	1.01
CC5A/CD5AC	048	0.93	0.85	1.01		CK3BA	048	0.95	0.93
CC5A/CD5AW	048	0.95	0.87	1.00	—		—	—	—
	060	0.95	0.90	1.00					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA048-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section continued													
895	72	33.3	17.4	1.99	31.5	16.8	2.21	29.7	16.2	2.43	27.8	15.5	2.64
	67	30.2	22.1	1.99	28.5	21.5	2.20	26.8	20.8	2.40	25.2	20.1	2.59
	63	28.0	21.4	1.99	26.4	20.7	2.18	24.8	20.0	2.36	23.2	19.4	2.54
	62	27.4	26.7	1.99	26.0	25.9	2.18	24.7	24.7	2.36	23.5	23.5	2.55
	57	27.2	27.2	1.99	25.9	25.9	2.18	24.7	24.7	2.36	23.5	23.5	2.55
995	72	33.9	18.2	2.00	32.0	17.6	2.23	30.1	16.9	2.45	28.2	16.3	2.66
	67	30.7	23.4	2.01	29.0	22.7	2.21	27.3	22.1	2.41	25.5	21.4	2.61
	63	28.5	22.6	2.00	26.8	21.9	2.20	25.2	21.2	2.38	23.5	20.6	2.56
	62	28.2	28.2	2.00	26.9	26.9	2.20	25.6	25.6	2.39	24.2	24.2	2.58
	57	28.2	28.2	2.00	26.9	26.9	2.20	25.6	25.6	2.39	24.2	24.2	2.58
1095	72	34.3	19.0	2.01	32.4	18.4	2.24	30.5	17.7	2.46	28.5	17.1	2.68
	67	31.2	24.7	2.02	29.4	24.0	2.23	27.6	23.4	2.43	25.9	22.7	2.63
	63	28.9	23.8	2.02	27.2	23.1	2.21	25.5	22.4	2.40	23.8	21.7	2.58
	62	29.1	29.1	2.02	27.7	27.7	2.22	26.3	26.3	2.41	24.9	24.9	2.61
	57	29.1	29.1	2.02	27.7	27.7	2.22	26.3	26.3	2.41	24.9	24.9	2.61
1200	72	34.7	19.9	2.02	32.7	19.2	2.25	30.8	18.5	2.48	28.8	17.9	2.69
	67	31.6	26.0	2.03	29.7	25.3	2.24	27.9	24.7	2.45	26.1	24.0	2.64
	63	29.2	25.1	2.03	27.5	24.4	2.23	25.8	23.6	2.42	24.1	22.9	2.60
	62	29.9	29.9	2.03	28.4	28.4	2.23	27.0	27.0	2.43	25.5	25.5	2.63
	57	29.9	29.9	2.03	28.4	28.4	2.23	27.0	27.0	2.43	25.5	25.5	2.63
1325	72	35.1	20.8	2.04	33.1	20.1	2.27	31.1	19.5	2.49	29.0	18.8	2.71
	67	32.0	27.6	2.04	30.1	26.9	2.26	28.3	26.2	2.47	26.5	25.4	2.67
	63	29.6	26.5	2.04	27.9	25.8	2.24	26.2	25.0	2.44	24.5	24.2	2.63
	62	30.7	30.7	2.04	29.2	29.2	2.25	27.7	27.7	2.46	26.2	26.2	2.66
	57	30.7	30.7	2.04	29.2	29.2	2.25	27.7	27.7	2.46	26.2	26.2	2.66
1450	72	35.4	21.7	2.05	33.3	21.1	2.28	31.3	20.4	2.51	29.2	19.8	2.73
	67	32.3	29.1	2.06	30.4	28.4	2.27	28.6	27.6	2.49	26.8	26.7	2.69
	63	29.9	27.9	2.06	28.2	27.1	2.26	26.5	26.2	2.46	24.9	24.9	2.65
	62	31.4	31.4	2.06	29.9	29.9	2.27	28.3	28.3	2.48	26.8	26.8	2.69
	57	31.4	31.4	2.06	29.9	29.9	2.27	28.3	28.3	2.48	26.8	26.8	2.69

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE					COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	060	0.97	0.84	0.97	CC5A/CD5AA	060	0.97	0.87	0.98
CC5A/CD5AC	048	0.95	0.83	0.98	CC5A/CD5AC	048	0.95	0.86	0.99
CC5A/CD5AW	048	0.95	0.84	0.98	CC5A/CD5AW	048	0.95	0.88	0.98
	060	0.97	0.86	0.97		060	0.97	0.90	0.98
CD5AA	048	0.95	0.84	0.98	CD5AA	048	0.95	0.88	0.98
CE3AA	048	0.95	0.87	0.98	CE3AA	048	0.95	0.90	1.01
	060	0.97	0.88	0.98		060	0.97	0.92	0.98
CJ5A/CK5A/CK5BA	060	0.97	0.94	1.00	CJ5A/CK5A/CK5BA	060	0.97	0.97	1.01
CJ5A/CK5A/CK5BW	048	0.95	0.93	1.00	CJ5A/CK5A/CK5BW	048	0.97	0.96	1.01
CJ5A/CK5A/CK5BX	060	0.98	0.95	1.00	CJ5A/CK5A/CK5BX	060	0.99	0.99	1.01
CK3BA	048	0.95	0.93	1.00	CK3BA	048	0.97	0.96	1.01
	060	0.97	0.94	1.00		060	0.97	0.97	1.01

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA060-30 Outdoor Section (High-Speed) With FK4CNB006 Indoor Section													
1325	72	64.4	31.1	5.44	61.1	29.8	5.81	57.8	28.6	6.17	54.4	27.3	6.50
	67	58.7	38.4	5.25	55.6	37.1	5.59	52.5	35.8	5.90	49.4	34.5	6.20
	63	54.5	37.4	5.10	51.6	36.1	5.41	48.6	34.7	5.70	45.7	33.4	5.97
	62	53.4	45.6	5.06	50.6	44.2	5.36	47.7	42.9	5.65	44.8	41.5	5.92
	57	50.2	50.2	4.94	48.1	48.1	5.25	45.8	45.8	5.55	43.6	43.6	5.84
1500	72	65.8	32.4	5.54	62.4	31.2	5.93	58.9	29.9	6.29	55.4	28.6	6.62
	67	60.0	40.7	5.35	56.8	39.4	5.70	53.6	38.0	6.02	50.3	36.7	6.32
	63	55.8	39.6	5.21	52.7	38.2	5.53	49.7	36.8	5.82	46.5	35.5	6.09
	62	54.7	48.7	5.17	51.8	47.3	5.48	48.8	45.9	5.77	45.9	44.5	6.05
	57	52.4	52.4	5.08	50.2	50.2	5.41	47.8	47.8	5.72	45.4	45.4	6.02
1650	72	66.8	33.5	5.62	63.3	32.3	6.01	59.7	31.0	6.38	56.0	29.7	6.71
	67	61.0	42.6	5.43	57.7	41.2	5.79	54.3	39.9	6.11	51.0	38.5	6.42
	63	56.7	41.3	5.29	53.5	39.9	5.61	50.3	38.6	5.91	47.2	37.2	6.19
	62	55.7	51.3	5.25	52.7	49.8	5.57	49.6	48.3	5.87	46.8	46.7	6.16
	57	54.1	54.1	5.20	51.7	51.7	5.53	49.2	49.2	5.85	46.7	46.7	6.15
1835	72	67.7	34.8	5.71	64.1	33.6	6.11	60.4	32.3	6.48	56.7	31.0	6.82
	67	61.9	44.8	5.53	58.5	43.4	5.89	55.1	42.1	6.22	51.6	40.7	6.52
	63	57.5	43.4	5.38	54.3	42.0	5.71	51.1	40.6	6.01	47.8	39.2	6.29
	62	56.7	54.3	5.35	53.7	52.7	5.68	50.8	50.8	5.99	48.1	48.1	6.31
	57	55.9	55.9	5.32	53.3	53.3	5.67	50.7	50.7	6.00	48.1	48.1	6.31
2025	72	68.5	36.1	5.80	64.8	34.9	6.20	61.0	33.6	6.58	57.2	32.3	6.92
	67	62.6	47.0	5.62	59.2	45.6	5.98	55.6	44.3	6.32	52.1	42.9	6.62
	63	58.3	45.5	5.47	55.0	44.1	5.80	51.6	42.7	6.11	48.3	41.3	6.39
	62	57.7	57.0	5.45	54.8	54.8	5.80	52.1	52.1	6.14	49.3	49.3	6.46
	57	57.5	57.5	5.44	54.8	54.8	5.80	52.1	52.1	6.14	49.3	49.3	6.46

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	060	0.94	0.93	1.00	CC5A/CD5AA	060	0.94	0.89	0.98
CC5A/CD5AW	060	0.97	0.97	1.01	CC5A/CD5AW	060	0.96	0.93	0.98
CE3AA	060	0.98	0.98	1.02	CE3AA	060	0.97	0.97	1.00
CJ5A/CK5A/CK5BA	060	0.94	0.94	1.02	CJ5A/CK5A/CK5BA	060	0.93	0.93	0.99
CJ5A/CK5A/CK5BN	060	0.97	0.97	1.03	CJ5A/CK5A/CK5BX	060	0.96	0.96	1.00
CJ5A/CK5A/CK5BX	060	0.97	0.97	1.03	CK3BA	060	0.93	0.93	0.99
CK3BA	060	0.95	0.95	1.02	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CC5A/CD5AA	060	0.94	0.88	0.99
CC5A/CD5AA	060	0.91	0.83	0.95	CC5A/CD5AW	060	0.96	0.91	0.99
CC5A/CD5AW	060	0.94	0.86	0.96	CE3AA	060	0.97	0.95	1.01
CE3AA	060	0.94	0.89	0.97	CJ5A/CK5A/CK5BA	060	0.93	0.93	0.99
CJ5A/CK5A/CK5BA	060	0.91	0.87	0.99	CJ5A/CK5A/CK5BX	060	0.95	0.95	1.02
CJ5A/CK5A/CK5BN	060	0.94	0.89	0.98	CK3BA	060	0.93	0.93	0.99
CJ5A/CK5A/CK5BX	060	0.94	0.90	0.98		—	—	—	—
CK3BA	060	0.91	0.87	0.97					

See notes on pg. 21.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TDA060-30 Outdoor Section (Low-Speed) With FK4CNB006 Indoor Section													
1115	72	37.6	20.2	2.04	35.8	19.6	2.40	33.8	18.9	2.74	31.7	18.2	3.04
	67	34.3	26.1	2.12	32.6	25.4	2.45	30.6	24.7	2.75	28.7	23.9	3.02
	63	31.9	25.2	2.17	30.1	24.5	2.47	28.3	23.7	2.74	26.4	22.9	2.98
	62	31.5	31.5	2.18	30.1	30.1	2.47	28.7	28.7	2.74	27.2	27.2	3.00
	57	31.5	31.5	2.18	30.1	30.1	2.47	28.7	28.7	2.74	27.2	27.2	3.00
1240	72	38.1	21.2	2.04	36.2	20.5	2.41	34.2	19.8	2.75	32.0	19.1	3.06
	67	34.8	27.6	2.13	33.0	26.9	2.46	31.0	26.2	2.77	29.0	25.4	3.04
	63	32.3	26.7	2.18	30.5	25.9	2.49	28.7	25.2	2.76	26.8	24.4	3.01
	62	32.5	32.5	2.18	31.1	31.1	2.48	29.6	29.6	2.77	28.0	28.0	3.03
	57	32.5	32.5	2.18	31.1	31.1	2.48	29.6	29.6	2.77	28.0	28.0	3.03
1365	72	38.5	22.1	2.05	36.6	21.5	2.42	34.5	20.8	2.77	32.3	20.0	3.09
	67	35.2	29.2	2.14	33.4	28.5	2.48	31.4	27.7	2.79	29.3	26.9	3.06
	63	32.7	28.1	2.19	30.9	27.4	2.50	29.0	26.6	2.79	27.1	25.7	3.04
	62	33.4	33.4	2.18	31.9	31.9	2.49	30.3	30.3	2.79	28.7	28.7	3.06
	57	33.4	33.4	2.18	32.0	32.0	2.49	30.4	30.4	2.79	28.7	28.7	3.06
1500	72	38.8	23.1	2.05	36.9	22.4	2.44	34.8	21.7	2.79	32.5	21.0	3.11
	67	35.6	30.8	2.14	33.7	30.0	2.49	31.7	29.3	2.81	29.7	28.4	3.09
	63	33.0	29.6	2.20	31.3	28.8	2.52	29.4	28.0	2.81	27.5	27.1	3.06
	62	34.2	34.2	2.18	32.7	32.7	2.51	31.1	31.1	2.81	29.3	29.3	3.09
	57	34.2	34.2	2.18	32.7	32.7	2.51	31.1	31.1	2.81	29.4	29.4	3.09
1625	72	39.1	24.0	2.06	37.1	23.3	2.45	35.0	22.6	2.81	32.7	21.9	3.13
	67	35.9	32.2	2.15	34.0	31.4	2.51	32.0	30.6	2.83	30.0	29.7	3.11
	63	33.4	30.9	2.22	31.6	30.1	2.54	29.7	29.2	2.83	27.8	27.8	3.09
	62	34.9	34.9	2.18	33.3	33.3	2.52	31.7	31.7	2.83	29.9	29.9	3.11
	57	34.9	34.9	2.18	33.3	33.3	2.52	31.7	31.7	2.83	29.9	29.9	3.11
1750	72	39.3	24.8	2.07	37.3	24.2	2.46	35.2	23.5	2.82	32.9	22.8	3.15
	67	36.1	33.6	2.17	34.3	32.8	2.52	32.3	31.9	2.84	30.4	30.4	3.14
	63	33.6	32.2	2.23	31.9	31.3	2.55	30.0	30.0	2.85	28.2	28.2	3.12
	62	35.5	35.5	2.18	33.9	33.9	2.53	32.2	32.2	2.84	30.4	30.4	3.14
	57	35.5	35.5	2.18	33.9	33.9	2.53	32.2	32.2	2.84	30.4	30.4	3.14

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
FK4CNB	006	1.00	1.00	1.00	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				
CC5A/CD5AA	060	0.93	0.84	1.10	CC5A/CD5AA	060	0.94	0.86	1.00
CC5A/CD5AW	060	0.96	0.87	1.10	CC5A/CD5AW	060	0.96	0.89	1.00
CE3AA	060	0.95	0.89	1.10	CE3AA	060	0.96	0.91	1.00
CJ5A/CK5A/CK5BA	060	0.93	0.92	1.12	CJ5A/CK5A/CK5BA	060	0.95	0.93	1.02
CJ5A/CK5A/CK5BN	060	0.95	0.93	1.11	CJ5A/CK5A/CK5BX	060	0.96	0.95	1.01
CJ5A/CK5A/CK5BX	060	0.95	0.93	1.11	CK3BA	060	0.95	0.93	1.02
CK3BA	060	0.93	0.92	1.12	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CC5A/CD5AA	060	0.94	0.85	1.01
CC5A/CD5AA	060	0.93	0.79	1.00	CC5A/CD5AW	060	0.96	0.88	1.00
CC5A/CD5AW	060	0.94	0.82	0.99	CE3AA	060	0.96	0.89	1.00
CE3AA	060	0.94	0.83	1.00	CJ5A/CK5A/CK5BA	060	0.94	0.92	1.02
CJ5A/CK5A/CK5BA	060	0.92	0.86	1.01	CJ5A/CK5A/CK5BX	060	0.96	0.93	1.01
CJ5A/CK5A/CK5BN	060	0.94	0.87	1.01	CK3BA	060	0.94	0.92	1.02
CJ5A/CK5A/CK5BX	060	0.94	0.87	1.00		—	—	—	—
CK3BA	060	0.92	0.86	1.01					

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240-94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

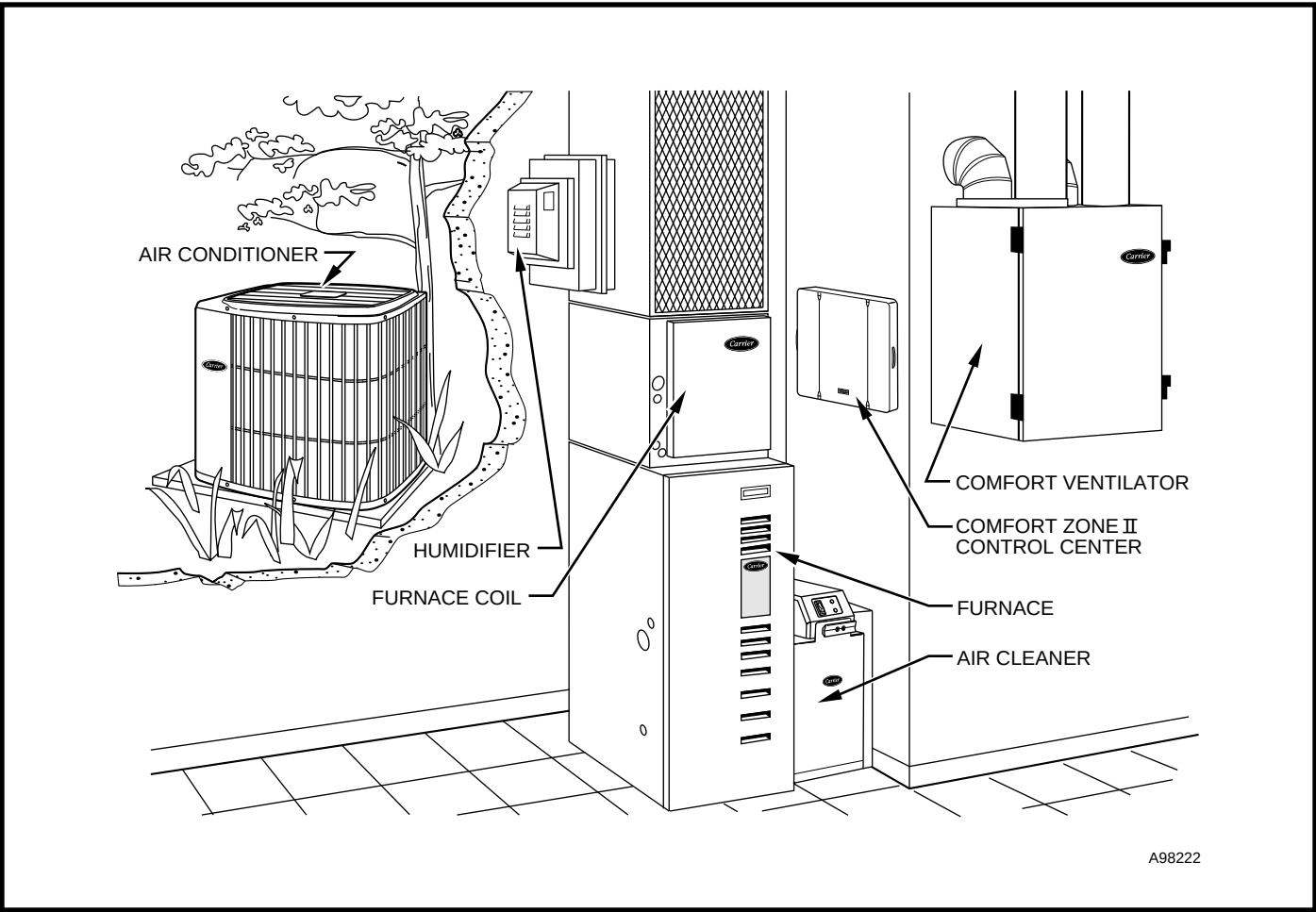
† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27 °C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kw) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245kw) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C). When the required data falls between the published data, interpolation may be performed.

** Unit kw is total of indoor and outdoor unit kilowatts.

†† Sensible capacity multipliers are based on the rated airflow of the listed indoor section. Refer to the airflow listed in the Ratings and Performance table.

Typical installation



System Design

1. Intended for outdoor installation with free-air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature is 55°F (12.8°C).
3. Low-ambient operation accessory is not available.
4. Maximum outdoor operating air temperature is 125°F (51.7°C).
5. For reliable operation, unit should be level in all horizontal planes.
6. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 50 ft, indoor coil below = 100 ft. (See items 7 and 8 following.)
7. Interconnecting refrigerant tubing is limited to a maximum equivalent of 100 ft.
8. If any refrigerant tubing is buried, provide a minimum 6-in. vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. may be buried without further consideration. For buried lines longer than 3 ft, consult your local distributor.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
10. Mix-matches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort and require latent capacity control.
11. Must be installed with factory-supplied hard shutoff, balanced port TXV (field installed).

SERVICE TRAINING

Packaged Service Training programs are an excellent way to increase your knowledge of the equipment discussed in this manual, including:

- Unit Familiarization
- Maintenance
- Installation Overview
- Operating Sequence

A large selection of product, theory, and skills programs is available, using popular video-based formats and materials. All include video and/or slides, plus companion book.

Classroom Service Training plus "hands-on" the products in our labs can mean increased confidence that really pays dividends in faster troubleshooting, fewer callbacks. Course descriptions and schedules are in our catalog.

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