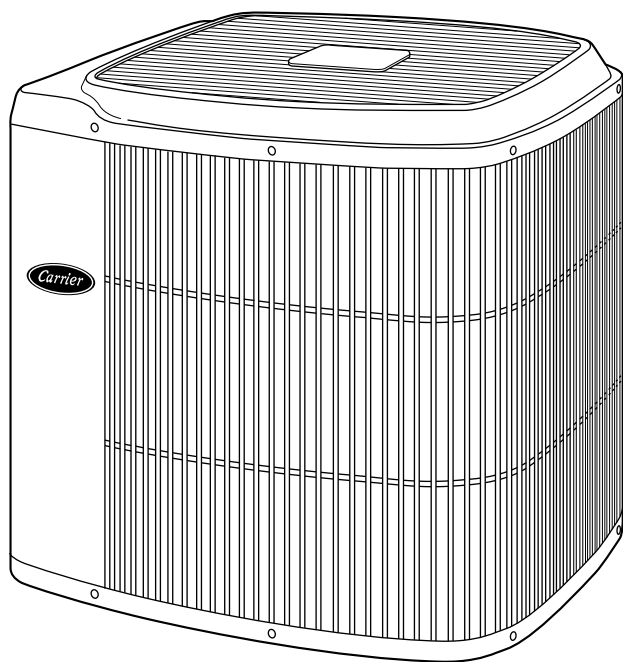




Product Data

SYNERGY 2000 38YDA (60 Hz) Two-Speed Electric Heat Pump

Sizes 036, 048, and 060



Model 38YDA Heat Pumps incorporate innovative 2-speed compressor technology to provide quiet, efficient summer cooling and winter heating performance. Built into these units are features most desired by homeowners today, including SEER ratings up to 16.1 and HSPF of 8.8 when used with the components designated by the manufacturer. All models are UL, c-UL, and CSA-EEV approved. Performance ratings are ARI and CEC listed.

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.

Weather-Armor II Cabinet — Steel is galvanized and coated with a layer of zinc phosphate. A coat of 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 ceramic coated for a long-lasting, rust-resistant, high-quality appearance.

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 through the top. Polymer spacers raise the coil in a deep draw-style basepan for easy removal of water, dirt, and debris.

An electronic ICM fan motor provides multispeed 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 due to contactor malfunction.

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

Application Versatility — The 38YDA can be combined with a wide variety of evaporator coils, fan coils, and furnaces 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 problem area.

Compressor Protection — Each compressor is protected with internal PTC-type overloads. An internal pressure relief valve provides high-pressure protection to the refrigerant system.

Standard Features — An electronic control eliminates excessive wiring, and features selectable second-stage latching, TimeGuard II® short cycle protection, a malfunction output signal to the indoor thermostat, built in Optimizer II®, zoning interface, and outdoor thermostat for auxiliary heat staging.

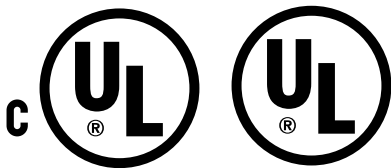
A compressor sound hood and discharge muffler provide improved sound power levels as well as sound quality.

Compressor Quick Start — Capacitor and relay.

Thermostatic Expansion Valve — This unit must be installed with a TXV on the indoor coil. The FK4 and FC4 indoor fan coils come factory equipped with a bi-flow TXV. When installed in this application, no further change is required. If any other indoor fan coil or furnace coil is used, an accessory bi-flow TXV must be installed. See accessory list in this publication for correct part number. TXV is not shipped with unit.

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



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



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

CERTIFICATE NO. FM 28768

CERTIFICATION OF MANUFACTURING SITE.



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

Physical data

UNIT SIZE-SERIES	036-30	048-30	060-30
OPERATING WEIGHT (Lb)	316	316	318
REFRIGERANT	22		
Cooling Control	TXV		
Heating Piston	57	70	70
CHARGE (Lb)	15.6	14.6	14.4
COND FAN	Propeller Type, Direct Drive		
Air Discharge	Vertical		
Air Qty (CFM) — High Speed	2650		3200
COND COIL	Copper Tube, Aluminum Plate Fin		
Face Area (Sq Ft)	18.0		
VALVE CONNECT. (In. ID)	Sweat		
Vapor	7/8		
Liquid	3/8		
REFRIG TUBES*			
(In. OD)	7/8		1-1/8
Vapor			
Liquid		3/8	

* Tube sizes are for runs up to 100 ft. Maximum tube set length is 100 ft.

NOTE: See unit Installation Instructions for proper installation.

Accessories

ORDERING NUMBER	DESCRIPTION
KHASS0206MPK	Snow Stand
KSASF0101AAA	Support Feet (4)
KHATX1501HSO	Thermostatic Expansion Valve (Required)
P504-8163S (RCD)	Filter Drier — Bi-flow

THERMOSTAT AND SUBBASE	DESCRIPTION
TSTATCCN2S01-A	Carrier 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-A	Carrier 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
TSTATCCSEN01	Outdoor Sensor

Accessory description and usage (Listed alphabetically)

1. Filter Drier — Bi-flow

A device for removing contaminants from refrigerant circulating in a heat pump system: 2-direction flow.

SUGGESTED USE: Split-system heat pumps.

2. Snow Stand

Coated wire rack which supports unit 18 in. above mounting pad to allow for drainage from unit base.

SUGGESTED USE: Heat pump installations in heavy snowfall areas.

Heat pump installations in snowdrift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

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; minimizes corrosion.

SUGGESTED USE: Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

4. Thermostatic Expansion Valve (TXV) — Bi-Flow

A modulating flow-control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator. Kit includes valve, adapter tubes, and external equalizer tube. Both hard shutoff and RBP valves are available.

SUGGESTED USE: For improved system performance in cooling mode for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

Required for use on all zoning applications.

Electrical data

UNIT SIZE-SERIES	V/PH	OPER VOLTS*		COMPRESSOR		FAN FLA	MCA	MIN WIRE SIZE 60°C/75°C**	MAX LENGTH (Ft)‡ 60°C/75°C**	MAX FUSE† OR HACR TYPE 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.

† Time-delay fuse.

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

** 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 336-30.

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).

FLA — Full Load Amps

HACR — Heating, Air Conditioning, Refrigeration

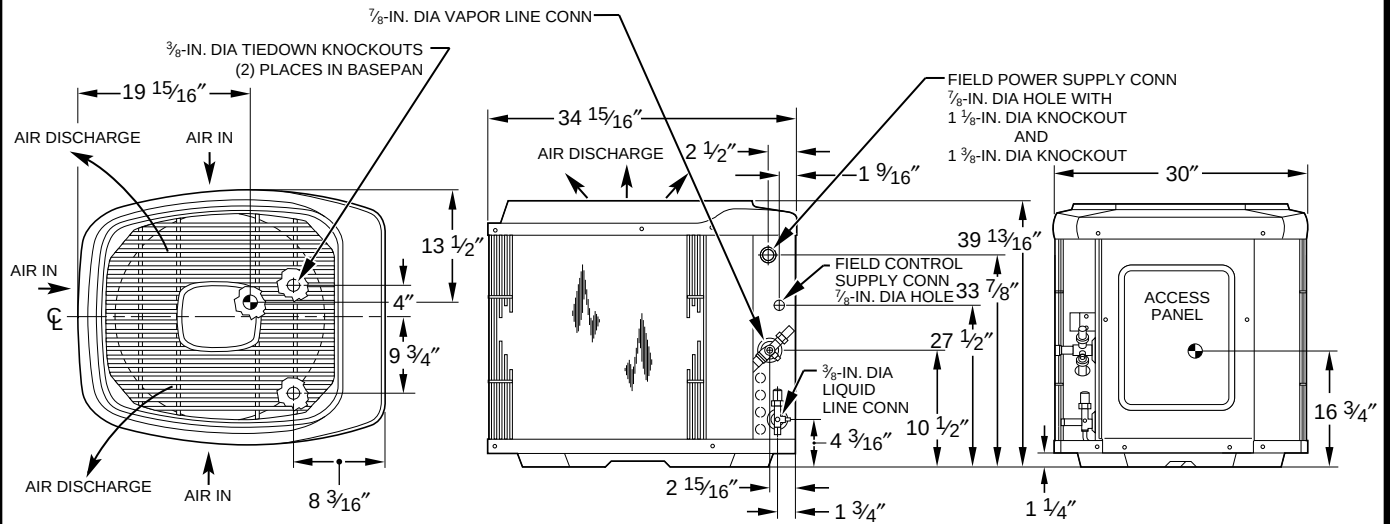
LRA — Locked Rotor Arms

MCA — Minimum Circuit Amps

RLA — Rated Load Amps

NOTE: Control circuit is 24v on all units and requires external power source 27va minimum. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Dimensions



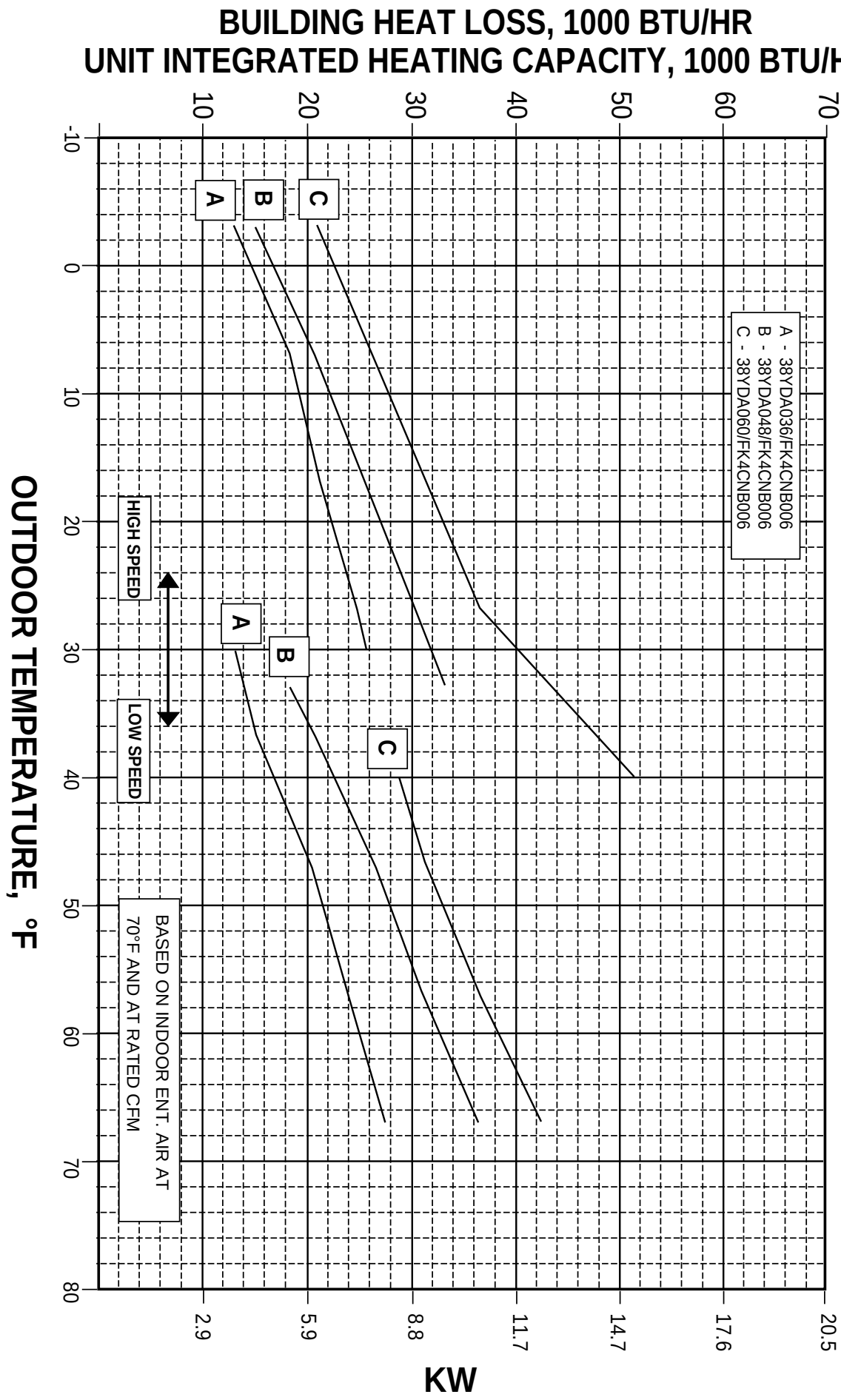
NOTES:

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. Maximum outdoor operating ambient in heating mode is 66°F.
4. Series designation is the 13th position of the unit model number.
5. Center of gravity.

A97086

UNIT SIZE	SERIES	MINIMUM MOUNTING PAD DIMENSIONS (In.)
036	30	26 x 32
048	30	26 x 32
060	30	26 x 32

38YDA BALANCE POINT WORKSHEET



Combination ratings

UNIT SIZE- SERIES	INDOOR MODEL	EVAP AIR CFM		COOLING CAPACITY		SEASONAL EFF (SEER)	HEATING CAPACITY		SEASONAL EFF (HSPF)	SOUND RATING High/Low (dBA)
		High	Low	High	Low		High†	Low		
036-30	FK4CNB006*	1100	745	40,000	22,000	16.10	35,000	20,400	8.80	76/70
	F(A,B)4AN(F,B)042	1230	1230	37,400	21,000	12.30	34,000	22,000	7.70	76/70
	F(A,B)4ANF036	1287	1287	36,000	20,000	11.80	34,000	22,000	7.50	76/70
	FC4BN(F,B)042	1230	1230	37,400	21,000	12.30	34,000	22,000	7.70	76/70
	FC4BNF036	1287	1287	36,000	20,000	11.80	34,000	22,000	7.50	76/70
	FK4CNF001	1100	680	36,000	20,000	14.20	33,000	19,800	7.50	76/70
	FK4CNF002	1100	680	36,600	20,600	14.50	34,000	20,000	8.00	76/70
	FK4CNF003	1100	680	37,400	20,600	14.90	34,000	19,800	8.15	76/70
	FK4CNF005	1100	680	38,500	21,400	15.45	34,800	20,200	8.50	76/70
	CC5A/CD5A/CD5BA036	1400	850	37,600	20,800	13.00	34,000	21,400	7.75	76/70
	CC5A/CD5A/CD5BA042	1400	850	37,600	20,800	13.00	34,000	21,400	7.75	76/70
	CC5A/CD5A/CD5BW042	1400	850	37,600	20,600	12.90	34,000	21,400	7.75	76/70
	CD5A/CD5BW036	1400	850	37,600	20,800	13.00	34,000	21,400	7.75	76/70
	CD3(A,B)A036	1400	850	37,600	20,800	13.00	34,000	21,400	7.75	76/70
	CD3(A,B)A042	1400	850	37,600	20,800	13.00	34,000	21,400	7.75	76/70
	CE3AA036	1400	850	37,000	20,000	12.80	33,400	21,400	7.50	76/70
	CE3AA042	1400	850	37,600	20,600	13.00	33,600	21,600	7.60	76/70
	CF5AA036	1400	850	34,000	21,000	13.00	34,000	21,000	7.50	76/70
	CJ5A/CK5A/CK5BA036	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	CJ5A/CK5A/CK5BA042	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	CJ5A/CK5A/CK5BN042	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	CJ5A/CK5A/CK5BN060	1400	850	38,500	21,000	13.20	36,000	21,400	8.00	76/70
	CJ5A/CK5A/CK5BW036	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	CK3BA036	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	CK3BA042	1400	850	37,600	20,800	13.00	35,000	21,200	7.75	76/70
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1200	800	37,000	21,000	14.50	33,000	20,800	7.80	76/70
	CC5A/CD5A/CD5BA042	1200	800	37,000	21,000	14.50	33,000	20,800	7.80	76/70
	CC5A/CD5A/CD5BW042	1200	800	37,000	21,000	14.00	33,000	20,800	7.80	76/70
	CD5A/CD5BW036	1200	800	37,000	21,000	14.50	33,000	20,800	7.80	76/70
	CD3(A,B)A036	1200	800	37,000	21,000	14.50	33,000	20,800	7.80	76/70
	CD3(A,B)A042	1200	800	37,000	21,000	14.50	33,000	20,800	7.80	76/70
	CE3AA036	1200	800	36,000	20,000	14.00	33,000	20,800	7.80	76/70
	CE3AA042	1200	800	37,000	21,000	14.20	33,000	20,800	7.80	76/70
	CJ5A/CK5A/CK5BA036	1200	800	37,000	21,000	14.40	34,000	20,200	7.80	76/70
	CJ5A/CK5A/CK5BN042	1200	800	37,000	21,000	14.40	34,000	20,200	7.80	76/70
	CK3BA036	1200	800	36,800	21,000	14.20	34,000	20,200	7.80	76/70
	CK3BA042	1200	800	37,000	21,000	14.40	34,000	20,200	7.80	76/70
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BA042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BW042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD5A/CD5BW036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD3(A,B)A036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD3(A,B)A042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CE3AA036	1200	800	36,000	20,000	14.20	33,000	20,600	7.80	76/70
	CE3AA042	1200	800	37,000	21,000	14.70	33,000	20,800	7.80	76/70
	CJ5A/CK5A/CK5BA042	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CJ5A/CK5A/CK5BW036	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CK3BA036	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CK3BA042	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BA042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BW042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD5A/CD5BW036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD3(A,B)A036	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CD3(A,B)A042	1200	800	37,000	21,000	14.70	33,000	20,800	8.00	76/70
	CE3AA036	1200	800	36,000	20,000	14.20	33,000	20,600	7.80	76/70
	CE3AA042	1200	800	37,000	21,000	14.70	33,000	20,800	7.80	76/70
	CJ5A/CK5A/CK5BA042	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CJ5A/CK5A/CK5BW036	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CK3BA036	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	CK3BA042	1200	800	37,000	21,000	14.70	34,000	20,200	8.00	76/70
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1120	660	37,000	20,600	14.50	33,000	20,400	7.80	76/70
	CC5A/CD5A/CD5BA042	1115	660	37,000	20,600	14.50	33,000	20,400	7.80	76/70
	CC5A/CD5A/CD5BW042	1115	660	37,000	20,600	14.50	33,000	20,200	7.80	76/70
	CD5A/CD5BA036	1120	660	37,000	20,600	14.50	33,000	20,400	7.80	76/70
	CD3(A,B)A036	1120	660	37,000	20,600	14.50	33,000	20,400	7.80	76/70
	CD3(A,B)A042	1115	660	37,000	20,600	14.50	33,000	20,400	7.80	76/70
	CD3CA036	1110	660	36,000	20,200	14.50	32,600	20,200	7.80	76/70
	CD3CA042	1110	660	36,000	20,200	14.50	32,600	20,200	7.80	76/70
	CE3AA036	1130	660	36,000	20,400	14.00	33,000	20,200	7.80	76/70
	CE3AA042	1115	660	37,000	20,600	14.20	33,000	20,400	7.80	76/70
	CJ5A/CK5A/CK5BA036	1125	660	37,000	20,600	14.50	34,000	19,800	7.80	76/70
	CK3BA036	1125	660	37,000	20,600	14.50	34,000	19,800	7.80	76/70
	CK3BA042	1120	660	37,000	20,600	14.50	34,000	19,800	7.80	76/70
	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1130	755	37,000	20,800	14.70	33,000	20,400	8.00	76/70
	CC5A/CD5A/CD5BA042	1125	760	37,000	20,800	14.70	33,000	20,400	8.00	76/70

See notes on pg. 10.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR MODEL	EVAP AIR CFM		COOLING CAPACITY		SEASONAL EFF (SEER)	HEATING CAPACITY		SEASONAL EFF (HSPF)	SOUND RATING High/Low (dBA)
		High	Low	High	Low		High†	Low		
036-30	CC5A/CD5A/CD5BW042	1125	760	37,000	20,800	14.70	33,000	20,400	8.00	76/70
	CD5A/CD5BW036	1130	755	37,000	20,800	14.70	33,000	20,400	8.00	76/70
	CD3(A,B)A036	1130	755	37,000	20,800	14.70	33,000	20,400	8.00	76/70
	CD3(A,B)A042	1125	760	37,000	20,800	14.70	33,000	20,400	8.00	76/70
	CD3CA036	1125	765	36,000	20,200	14.70	32,600	20,200	8.00	76/70
	CD3CA042	1125	765	36,000	20,600	14.70	32,600	20,200	8.00	76/70
	CE3AA036	1120	750	37,000	20,800	14.30	33,000	20,400	8.00	76/70
	CE3AA042	1125	760	37,000	20,800	14.50	33,000	20,400	8.00	76/70
	CJ5A/CK5A/CK5BA042	1125	755	37,000	21,200	14.70	34,000	20,200	8.00	76/70
	CJ5A/CK5A/CK5BW036	1125	755	37,000	20,800	14.70	34,000	20,200	8.00	76/70
	CK3BA036	1130	750	37,000	20,800	14.70	34,000	20,200	8.00	76/70
	CK3BA042	1125	755	37,000	20,800	14.70	34,000	20,200	8.00	76/70
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1090	795	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BA042	1090	790	37,000	21,000	14.80	32,800	20,800	8.00	76/70
	CC5A/CD5A/CD5BW042	1090	790	37,000	21,000	14.80	32,600	20,600	8.00	76/70
	CD5A/CD5BW036	1090	795	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CD3(A,B)A036	1090	795	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CD3(A,B)A042	1090	790	37,000	21,000	14.80	32,800	20,800	8.00	76/70
	CD3CA036	1060	775	36,000	20,800	14.80	32,000	20,600	8.00	76/70
	CD3CA042	1060	775	36,000	20,800	14.80	32,000	20,600	8.00	76/70
	CE3AA036	1090	800	37,000	21,000	14.40	32,600	20,600	8.00	76/70
	CE3AA042	1090	790	37,000	21,000	14.60	33,000	20,800	8.00	76/70
	CJ5A/CK5A/CK5BA042	1090	795	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CJ5A/CK5A/CK5BW036	1090	795	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CK3BA036	1090	800	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CK3BA042	1090	795	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA036	1080	810	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CC5A/CD5A/CD5BA042	1060	810	37,000	21,000	14.80	32,800	20,800	8.00	76/70
	CC5A/CD5A/CD5BW042	1070	810	37,000	21,000	14.80	32,600	20,600	8.00	76/70
	CD5A/CD5BW036	1080	810	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CD3(A,B)A036	1080	810	37,000	21,000	14.80	33,000	20,800	8.00	76/70
	CD3(A,B)A042	1060	810	37,000	21,000	14.80	32,800	20,800	8.00	76/70
	CD3CA036	1025	810	35,800	20,800	14.80	32,000	20,600	8.00	76/70
	CD3CA042	1025	805	35,800	20,800	14.80	32,000	20,600	8.00	76/70
	CE3AA036	1085	815	37,000	21,000	14.40	32,600	20,600	8.00	76/70
	CE3AA042	1065	810	37,000	21,000	14.60	33,000	20,800	8.00	76/70
	CJ5A/CK5A/CK5BA042	1070	810	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CJ5A/CK5A/CK5BW036	1070	810	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CK3BA036	1090	815	37,000	21,000	14.80	34,000	20,200	8.00	76/70
	CK3BA042	1070	810	37,000	21,000	14.80	34,000	20,200	8.00	76/70
048-30	FK4CNB006*	1470	995	51,000	28,600	14.50	49,500	26,800	8.40	78/72
	F(A,B)4AN(F,B)048	1800	1800	48,000	28,000	11.30	50,000	27,000	7.70	78/72
	F(A,B)4AN(F,B)060	1800	1800	50,000	28,600	11.00	50,000	27,000	7.70	78/72
	FB4ANB070	1800	1800	51,500	28,600	11.80	50,500	29,000	8.00	78/72
	FC4BN(F,B)048	1800	1800	48,000	28,000	11.30	50,000	27,000	7.70	78/72
	FC4BN(F,B)060	1800	1800	50,000	28,600	11.00	50,000	27,000	7.70	78/72
	FC4BNB070	1800	1800	51,500	28,600	11.80	50,500	29,000	8.00	78/72
	FK4CNF005	1470	910	49,000	27,400	14.10	47,000	26,000	7.70	78/72
	CC5A/CD5A/CD5BA060	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CC5A/CD5A/CD5BW048	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CC5A/CD5A/CD5BW060	1850	1050	49,000	27,000	12.40	49,500	27,000	7.80	78/72
	CD5A/CD5BA048	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CD3(A,B)A048	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CD3(A,B)A060	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CE3AA048	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CE3AA060	1850	1050	49,000	27,000	12.40	49,500	27,000	7.80	78/72
	CF5AA048	1850	1050	48,000	26,000	12.00	49,000	27,000	7.60	78/72
	CJ5A/CK5A/CK5BA048	1850	1050	47,500	27,400	12.00	49,000	27,000	7.60	78/72
	CJ5A/CK5A/CK5BA060	1850	1050	48,000	27,600	12.00	49,000	27,000	7.60	78/72
	CJ5A/CK5A/CK5BN060	1850	1050	49,000	28,000	12.20	49,500	27,400	7.80	78/72
	CJ5A/CK5A/CK5BW048	1850	1050	47,000	27,400	12.00	49,000	27,000	7.60	78/72
	CJ5A/CK5A/CK5BX060	1850	1050	49,000	28,000	12.40	49,000	27,400	7.80	78/72
	CK3BA048	1850	1050	47,000	27,400	12.00	49,000	27,000	7.60	78/72
	CK3BA060	1850	1050	48,000	27,600	12.00	49,000	27,000	7.60	78/72
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1600	1000	47,000	26,000	13.00	49,500	26,200	7.80	78/72
	CC5A/CD5A/CD5BW048	1600	1000	47,000	26,000	13.00	49,000	26,000	7.80	78/72
	CC5A/CD5A/CD5BW060	1600	1000	48,000	26,400	13.40	49,500	26,200	8.00	78/72
	CD5A/CD5BA048	1600	1000	47,000	26,000	13.00	49,000	26,000	7.80	78/72
	CD3(A,B)A048	1600	1000	47,000	26,000	13.00	49,000	26,000	7.80	78/72
	CD3(A,B)A060	1600	1000	47,000	26,000	13.00	49,000	26,000	7.80	78/72
	CE3AA048	1600	1000	47,000	26,000	13.00	49,000	26,000	7.70	78/72
	CE3AA060	1600	1000	48,000	26,400	13.40	49,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BA048	1600	1000	46,500	27,000	13.30	49,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BA060	1600	1000	47,000	27,000	13.30	49,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BN060	1600	1000	48,000	27,600	13.50	49,500	26,200	8.00	78/72
	CJ5A/CK5A/CK5BX060	1600	1000	48,000	27,600	13.50	49,500	26,200	8.00	78/72
	CK3BA048	1600	1000	46,500	27,000	13.30	48,500	26,000	7.80	78/72
	CK3BA060	1600	1000	47,000	27,000	13.30	49,000	26,000	7.80	78/72

See notes on pg. 10.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR MODEL	EVAP AIR CFM		COOLING CAPACITY		SEASONAL EFF (SEER)	HEATING CAPACITY		SEASONAL EFF (HSPF)	SOUND RATING High/Low (dBA)
		High	Low	High	Low		High†	Low		
048-30	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1505	950	47,000	26,400	13.00	48,000	25,800	7.70	78/72
	CC5A/CD5A/CD5BC048	1505	950	46,000	26,000	13.00	47,500	25,800	7.50	78/72
	CC5A/CD5A/CD5BW048	1505	950	46,000	26,000	13.00	48,000	25,800	7.70	78/72
	CC5A/CD5A/CD5BW060	1505	950	48,000	27,000	13.30	48,000	25,800	7.80	78/72
	CD5A/CD5BA048	1505	950	46,000	26,000	13.00	48,000	25,800	7.70	78/72
	CD3(A,B)A048	1505	950	46,000	26,000	13.00	48,000	25,800	7.70	78/72
	CD3(A,B)A060	1505	950	47,000	26,400	13.00	48,000	25,800	7.70	78/72
	CD3CA048	1505	945	46,000	26,000	13.00	48,000	25,800	7.70	78/72
	CD3CA060	1500	945	47,000	26,400	13.00	48,000	25,800	7.80	78/72
	CE3AA048	1505	955	47,000	26,400	13.00	48,000	25,800	7.70	78/72
	CE3AA060	1505	950	48,000	27,000	13.30	48,000	25,800	7.80	78/72
	CJ5A/CK5A/CK5BA048	1505	950	46,000	26,000	13.40	48,000	25,800	7.80	78/72
	CK3BA048	1505	950	46,000	26,000	13.40	48,000	25,800	7.80	78/72
	CK3BA060	1505	955	47,000	26,000	13.40	48,000	25,800	7.80	78/72
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1460	915	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CC5A/CD5A/CD5BC048	1465	920	47,000	26,600	13.50	47,000	25,600	7.60	78/72
	CC5A/CD5A/CD5BW048	1460	920	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CC5A/CD5A/CD5BW060	1450	910	48,000	27,000	13.80	48,000	26,000	8.00	78/72
	CD5A/CD5BA048	1460	920	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CD3(A,B)A048	1460	920	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CD3(A,B)A060	1460	915	47,000	27,000	13.50	47,000	25,600	7.80	78/72
	CD3CA048	1440	920	46,500	26,200	13.30	47,000	25,600	7.80	78/72
	CD3CA060	1435	915	47,000	26,600	13.50	48,000	26,000	8.00	78/72
	CE3AA048	1460	920	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CE3AA060	1455	915	48,000	27,000	13.80	48,000	26,000	8.00	78/72
	CJ5A/CK5A/CK5BA060	1470	935	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BW048	1470	930	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BX060	1460	925	48,000	27,600	13.80	48,000	26,200	8.00	78/72
	CK3BA048	1470	930	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CK3BA060	1470	935	48,000	27,000	13.80	47,000	26,000	7.80	78/72
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1470	995	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CC5A/CD5A/CD5BC048	1490	1000	47,000	26,600	13.50	47,000	25,600	7.60	78/72
	CC5A/CD5A/CD5BW048	1475	1000	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CC5A/CD5A/CD5BW060	1455	995	48,000	27,000	13.80	48,000	26,000	8.00	78/72
	CD5A/CD5BA048	1465	995	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CD3(A,B)A048	1475	1000	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CD3(A,B)A060	1470	995	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CD3CA048	1435	990	46,500	26,200	13.30	47,000	25,600	7.80	78/72
	CD3CA060	1430	990	47,000	26,600	13.50	48,000	26,000	8.00	78/72
	CE3AA048	1490	1015	47,000	26,600	13.50	47,000	25,600	7.80	78/72
	CE3AA060	1465	995	48,000	27,000	13.80	48,000	26,000	8.00	78/72
	CJ5A/CK5A/CK5BA060	1455	1000	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BW048	1485	1000	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CJ5A/CK5A/CK5BX060	1465	995	48,000	27,600	13.80	48,000	26,200	8.00	78/72
	CK3BA048	1485	1000	47,000	27,000	13.50	47,000	26,000	7.80	78/72
	CK3BA060	1460	1000	47,000	27,000	13.80	47,000	26,000	7.80	78/72
060-30	FK4CNB006*	1835	1240	57,000	32,000	14.00	55,500	31,000	8.30	80/72
	F(A,B)4AN(F,B)060	2000	2000	56,000	32,000	10.80	52,000	34,000	7.70	80/72
	FB4ANB070	2005	2005	57,000	32,000	10.80	52,000	34,000	8.00	80/72
	FC4BN(F,B)060	2000	2000	56,000	32,000	10.80	52,000	34,000	7.70	80/72
	FC4BNB070	2005	2005	57,000	32,000	11.60	52,000	34,000	8.00	80/72
	CC5A/CD5A/CD5BA060	2100	1200	54,500	30,200	11.70	49,500	31,000	7.70	80/72
	CC5A/CD5A/CD5BW060	2100	1200	56,000	30,800	12.00	51,000	31,000	7.80	80/72
	CD3(A,B)A060	2100	1200	54,500	30,200	11.70	49,500	31,000	7.70	80/72
	CE3AA060	2100	1200	56,000	30,800	12.00	50,000	31,000	7.80	80/72
	CJ5A/CK5A/CK5BA060	2100	1200	55,000	30,200	12.00	55,000	31,000	7.60	80/72
	CJ5A/CK5A/CK5BN060	2100	1200	56,000	30,800	12.20	56,000	31,200	7.80	80/72
	CJ5A/CK5A/CK5BX060	2100	1200	56,000	30,800	12.20	56,000	31,200	7.80	80/72
	CK3BA060	2100	1200	55,000	30,200	12.00	55,000	31,000	7.60	80/72
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1600	1000	52,500	30,000	12.80	47,500	29,600	7.60	80/72
	CC5A/CD5A/CD5BW060	1600	1000	54,000	30,000	13.00	48,500	30,000	7.80	80/72
	CD3(A,B)A060	1600	1000	52,500	30,000	12.80	47,500	29,600	7.60	80/72
	CE3AA060	1600	1000	54,000	30,000	13.00	48,500	30,000	7.80	80/72
	CJ5A/CK5A/CK5BA060	1600	1000	53,500	30,600	13.00	54,000	30,000	7.80	80/72
	CJ5A/CK5A/CK5BN060	1600	1000	54,500	31,000	13.30	54,500	30,000	8.00	80/72
	CJ5A/CK5A/CK5BX060	1600	1000	54,500	31,000	13.30	54,500	30,000	8.00	80/72
	CK3BA060	1600	1000	53,500	30,600	13.00	54,000	30,000	7.80	80/72
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1880	1165	53,000	30,000	13.00	53,000	29,000	7.80	80/72
	CC5A/CD5A/CD5BW060	1870	1155	55,000	30,600	13.30	54,000	29,200	8.00	80/72
	CD3(A,B)A060	1880	1165	53,000	30,000	13.00	53,000	29,000	7.80	80/72
	CD3CA060	1865	1145	53,000	30,000	13.00	54,000	29,200	8.00	80/72
	CE3AA060	1880	1165	55,000	30,600	13.30	54,000	29,200	8.00	80/72
	CJ5A/CK5A/CK5BA060	1875	1175	54,000	30,600	13.00	54,500	30,400	7.80	80/72
	CJ5A/CK5A/CK5BX060	1875	1165	55,500	31,200	13.50	55,000	30,600	8.00	80/72
	CK3BA060	1875	1175	54,000	30,600	13.00	54,500	30,400	7.80	80/72

See notes on pg. 10.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR MODEL	EVAP AIR CFM		COOLING CAPACITY		SEASONAL EFF (SEER)	HEATING CAPACITY		SEASONAL EFF (HSPF)	SOUND RATING High/Low (dBA)
		High	Low	High	Low		High†	Low		
060-30	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE									
	CC5A/CD5A/CD5BA060	1840	1135	53,000	30,000	13.00	53,000	29,000	7.80	80/72
	CC5A/CD5A/CD5BW060	1825	1135	55,000	30,600	13.30	54,000	29,200	8.00	80/72
	CD3(A,B)A060	1840	1156	53,000	30,000	13.00	53,000	29,000	7.80	80/72
	CD3CA060	1795	1130	53,000	30,000	13.00	54,000	29,200	8.00	80/72
	CE3AA060	1840	1135	55,000	30,600	13.30	54,000	29,200	8.00	80/72
	CJ5A/CK5A/CK5BA060	1830	1135	54,000	30,600	13.00	54,500	30,400	7.80	80/72
	CJ5A/CK5A/CK5BX060	1835	1135	55,000	31,200	13.50	55,000	30,400	8.00	80/72
	CK3BA060	1830	1135	54,000	30,600	13.00	54,500	30,400	7.80	80/72

* Tested combination.

† Capacities shown are at ARI rating point 47°F, high speed. Unit is factory shipped to operate on low speed at 47°F. See Heat Pump Heating Performance tables for low speed capacity at 47°F.

- NOTES:**
1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
 2. Rating values reflect coil combinations plus field-installed TXV (except when specifying FK4 and FC4 coils).
 3. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for heat pumps. Ratings for other combinations are determined under DOE computer simulation procedures.
 4. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
 5. Do not apply to capillary tube coils.
 6. Unit is factory set to change speeds in heating mode based on ambient temperature. See Ambient Temperatures for High- and Low-Speed Operation table for speed change temperatures.
 7. Coefficient of Performance (COP) can be calculated by using the Heat Pump Heating Performance tables. Normally the high temperature COP is calculated at 47°F, and the low temperature COP is calculated at 17°F. The formula for calculating the COP is as follows:

$$\text{COP} = \frac{\text{THC}}{\text{KW} \times 3.413}$$

THC=total heating capacity at either 47°F or 17°F, 70°F indoor dry bulb and rated airflow.

KW=power input in kilowatts.

AMBIENT TEMPERATURES FOR HIGH- AND LOW-SPEED OPERATION

UNIT SIZE	AMBIENT TEMPERATURE (°F)	
	High Speed	Low Speed
036	30 or less	31 or greater
048	33 or less	34 or greater
060	40 or less	41 or greater

Detailed cooling capacities*

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‡	
38YDA036-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section													
800	72	43.6	20.8	3.29	41.2	19.8	3.53	38.8	18.8	3.76	36.3	17.9	3.99
	67	39.4	24.9	3.19	37.2	23.9	3.41	34.9	22.9	3.62	32.7	21.9	3.83
	63‡‡	36.4	24.2	3.11	34.3	23.2	3.32	32.2	22.2	3.52	30.1	21.2	3.70
	62	35.6	28.9	3.09	33.6	27.9	3.29	31.5	26.9	3.49	29.4	25.9	3.67
	57	32.4	32.4	3.00	30.9	30.9	3.21	29.4	29.4	3.40	27.8	27.8	3.60
900	72	44.9	21.7	3.33	42.4	20.7	3.58	39.9	19.7	3.81	37.3	18.8	4.04
	67	40.6	26.3	3.23	38.3	25.3	3.46	36.0	24.3	3.68	33.6	23.3	3.88
	63‡‡	37.6	25.6	3.16	35.4	24.6	3.37	33.2	23.6	3.57	30.9	22.5	3.76
	62	36.7	30.9	3.13	34.6	29.8	3.34	32.4	28.8	3.54	30.2	27.8	3.73
	57	34.1	34.1	3.07	32.5	32.5	3.28	30.9	30.9	3.48	29.2	29.2	3.68
990	72	45.9	22.5	3.37	43.2	21.5	3.62	40.6	20.5	3.86	37.9	19.5	4.08
	67	41.6	27.6	3.27	39.2	26.6	3.50	36.7	25.5	3.72	34.2	24.5	3.92
	63‡‡	38.5	26.8	3.19	36.2	25.8	3.41	33.9	24.7	3.61	31.5	23.7	3.80
	62	37.6	32.6	3.17	35.4	31.5	3.38	33.2	30.5	3.58	30.9	29.4	3.77
	57	35.5	35.5	3.12	33.8	33.8	3.33	32.1	32.1	3.54	30.3	30.3	3.75
1100	72	46.9	23.4	3.41	44.2	22.4	3.66	41.4	21.4	3.90	38.7	20.4	4.13
	67	42.5	29.1	3.31	40.0	28.0	3.54	37.5	27.0	3.76	34.9	26.0	3.97
	63‡‡	39.3	28.2	3.23	37.0	27.1	3.45	34.5	26.1	3.65	32.1	25.0	3.85
	62	38.6	34.6	3.21	36.2	33.5	3.43	33.9	32.4	3.63	31.6	31.3	3.82
	57	37.0	37.0	3.17	35.2	35.2	3.39	33.4	33.4	3.61	31.5	31.5	3.82
1225	72	47.8	24.4	3.44	45.0	23.4	3.70	42.2	22.4	3.94	39.3	21.4	4.17
	67	43.4	30.7	3.35	40.8	29.6	3.58	38.1	28.6	3.81	35.5	27.6	4.01
	63‡‡	40.2	29.7	3.27	37.7	28.7	3.49	35.2	27.6	3.70	32.7	26.5	3.89
	62	39.4	36.8	3.25	37.0	35.7	3.47	34.7	34.5	3.68	32.7	32.7	3.89
	57	38.5	38.5	3.23	36.6	36.6	3.46	34.7	34.7	3.68	32.7	32.7	3.89

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4ANF	036	0.90	0.90	1.07	CE3AA	036	0.90	0.89	1.02
F(A,B)4AN(F,B)	042	0.94	0.93	1.06		042	0.93	0.92	1.03
FC4BN(F,B)	042	0.94	0.93	1.06	CJ5A/CK5A/CK5BA	036	0.93	0.93	1.05
FC4BNF	036	0.90	0.90	1.07	CJ5A/CK5A/CK5BN	042	0.93	0.93	1.05
FK4CNB	006	1.00	1.00	1.00	CK3BA	036	0.92	0.92	1.09
FK4CNF	001	0.90	0.90	1.01		042	0.93	0.93	1.04
	002	0.91	0.91	1.02	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE				
	003	0.94	0.93	0.99	CC5A/CD5A/CD5BA	036	0.93	0.91	1.02
	005	0.96	0.96	1.00	CD5A/CD5BW	042	0.93	0.91	1.02
						036	0.93	0.91	1.02
CC5A/CD5A/CD5BA	036	0.94	0.94	1.07	CD3(A,B)A	036	0.93	0.91	1.02
	042	0.94	0.94	1.07	CE3AA	042	0.93	0.93	1.01
CC5A/CD5A/CD5BW	042	0.94	0.94	1.07		036	0.90	0.90	1.01
CD5A/CD5BW	036	0.94	0.94	1.07	CJ5A/CK5A/CK5BA	042	0.93	0.93	1.04
CD3(A,B)A	036	0.94	0.94	1.07	CJ5A/CK5A/CK5BW	036	0.93	0.93	1.04
	042	0.94	0.94	1.07	CK3BA	036	0.93	0.93	1.04
CE3AA	036	0.93	0.93	1.07		042	0.93	0.93	1.04
CF5AA	036	0.93	0.93	1.07	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				
CJ5A/CK5A/CK5BA	036	0.94	0.94	1.09	CC5A/CD5A/CD5BA	036	0.93	0.91	1.01
	042	0.94	0.94	1.09	CD5A/CD5BW	042	0.93	0.91	1.01
CJ5A/CK5A/CK5BN	042	0.94	0.94	1.09		036	0.93	0.90	1.00
	060	0.96	0.96	1.11	CD3(A,B)A	036	0.93	0.91	1.01
CJ5A/CK5A/CK5BW	036	0.94	0.94	1.09	CE3AA	042	0.93	0.93	1.02
CK3BA	036	0.94	0.94	1.09		036	0.93	0.93	1.02
	042	0.94	0.94	1.09	CJ5A/CK5A/CK5BA	036	0.93	0.93	1.02
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE					CK3BA	036	0.93	0.93	1.03
CC5A/CD5A/CD5BA	036	0.93	0.91	1.03		042	0.93	0.93	1.02
	042	0.93	0.91	1.03					
CC5A/CD5A/CD5BW	042	0.93	0.89	1.02					
CD5A/CD5BW	036	0.93	0.91	1.03					
CD3(A,B)A	036	0.93	0.91	1.03					
	042	0.93	0.91	1.03					

See notes on pg. 20.

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‡	
38YDA036-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section continued													
800	72	43.6	20.8	3.29	41.2	19.8	3.53	38.8	18.8	3.76	36.3	17.9	3.99
	67	39.4	24.9	3.19	37.2	23.9	3.41	34.9	22.9	3.62	32.7	21.9	3.83
	63‡‡	36.4	24.2	3.11	34.3	23.2	3.32	32.2	22.2	3.52	30.1	21.2	3.70
	62	35.6	28.9	3.09	33.6	27.9	3.29	31.5	26.9	3.49	29.4	25.9	3.67
	57	32.4	32.4	3.00	30.9	30.9	3.21	29.4	29.4	3.40	27.8	27.8	3.60
900	72	44.9	21.7	3.33	42.4	20.7	3.58	39.9	19.7	3.81	37.3	18.8	4.04
	67	40.6	26.3	3.23	38.3	25.3	3.46	36.0	24.3	3.68	33.6	23.3	3.88
	63‡‡	37.6	25.6	3.16	35.4	24.6	3.37	33.2	23.6	3.57	30.9	22.5	3.76
	62	36.7	30.9	3.13	34.6	29.8	3.34	32.4	28.8	3.54	30.2	27.8	3.73
	57	34.1	34.1	3.07	32.5	32.5	3.28	30.9	30.9	3.48	29.2	29.2	3.68
990	72	45.9	22.5	3.37	43.2	21.5	3.62	40.6	20.5	3.86	37.9	19.5	4.08
	67	41.6	27.6	3.27	39.2	26.6	3.50	36.7	25.5	3.72	34.2	24.5	3.92
	63‡‡	38.5	26.8	3.19	36.2	25.8	3.41	33.9	24.7	3.61	31.5	23.7	3.80
	62	37.6	32.6	3.17	35.4	31.5	3.38	33.2	30.5	3.58	30.9	29.4	3.77
	57	35.5	35.5	3.12	33.8	33.8	3.33	32.1	32.1	3.54	30.3	30.3	3.75
1100	72	46.9	23.4	3.41	44.2	22.4	3.66	41.4	21.4	3.90	38.7	20.4	4.13
	67	42.5	29.1	3.31	40.0	28.0	3.54	37.5	27.0	3.76	34.9	26.0	3.97
	63‡‡	39.3	28.2	3.23	37.0	27.1	3.45	34.5	26.1	3.65	32.1	25.0	3.85
	62	38.6	34.6	3.21	36.2	33.5	3.43	33.9	32.4	3.63	31.6	31.3	3.82
	57	37.0	37.0	3.17	35.2	35.2	3.39	33.4	33.4	3.61	31.5	31.5	3.82
1225	72	47.8	24.4	3.44	45.0	23.4	3.70	42.2	22.4	3.94	39.3	21.4	4.17
	67	43.4	30.7	3.35	40.8	29.6	3.58	38.1	28.6	3.81	35.5	27.6	4.01
	63‡‡	40.2	29.7	3.27	37.7	28.7	3.49	35.2	27.6	3.70	32.7	26.5	3.89
	62	39.4	36.8	3.25	37.0	35.7	3.47	34.7	34.5	3.68	32.7	32.7	3.89
	57	38.5	38.5	3.23	36.6	36.6	3.46	34.7	34.7	3.68	32.7	32.7	3.89

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					COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				
CC5A/CD5A/CD5BA	036	0.93	0.89	1.00	CC5A/CD5A/CD5BA	036	0.93	0.88	0.98
	042	0.93	0.88	1.00		042	0.93	0.89	0.97
CC5A/CD5A/CD5BW	042	0.93	0.87	0.99	CC5A/CD5A/CD5BW	042	0.93	0.87	0.97
CD5A/CD5BA	036	0.93	0.89	1.00	CD5A/CD5BW	036	0.93	0.88	0.98
CD3(A,B)A	036	0.93	0.88	1.00	CD3(A,B)A	036	0.93	0.91	0.98
	042	0.93	0.89	1.00		042	0.93	0.89	0.97
CD3CA	036	0.90	0.85	0.98	CD3CA	036	0.90	0.84	0.94
	042	0.90	0.85	0.98		042	0.90	0.84	0.94
CE3AA	036	0.90	0.88	1.00	CE3AA	036	0.93	0.88	0.97
	042	0.93	0.90	1.00		042	0.93	0.90	0.97
CJ5A/CK5A/CK5BA	036	0.93	0.93	1.02	CJ5A/CK5A/CK5BA	042	0.93	0.93	0.99
CK3BA	036	0.93	0.93	1.02	CJ5A/CK5A/CK5BW	036	0.93	0.93	0.99
	042	0.93	0.93	1.02		CK3BA	036	0.93	0.92
COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE					COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CC5A/CD5A/CD5BA	036	0.93	0.89	0.99	CC5A/CD5A/CD5BA	036	0.93	0.88	0.98
	042	0.93	0.89	1.00		042	0.93	0.87	0.97
CC5A/CD5A/CD5BW	042	0.93	0.87	0.99	CC5A/CD5A/CD5BW	042	0.93	0.86	0.97
CD5A/CD5BW	036	0.93	0.89	0.99	CD5A/CD5BW	036	0.93	0.88	0.98
CD3(A,B)A	036	0.93	0.89	0.99	CD3(A,B)A	042	0.93	0.87	0.97
	042	0.93	0.89	0.99		036	0.93	0.88	0.98
CD3CA	036	0.90	0.86	0.96	CD3CA	036	0.90	0.83	0.95
	042	0.90	0.86	0.96		042	0.90	0.83	0.95
CE3AA	036	0.93	0.88	0.99	CE3AA	042	0.93	0.89	0.97
	042	0.93	0.91	0.99		042	0.93	0.89	0.97
CJ5A/CK5A/CK5BA	042	0.93	0.93	1.01	CJ5A/CK5A/CK5BA	042	0.93	0.92	0.99
CJ5A/CK5A/CK5BW	036	0.93	0.93	1.01	CJ5A/CK5A/CK5BW	036	0.93	0.92	0.99
	036	0.93	0.93	1.01		CK3BA	036	0.93	0.92
CK3BA	042	0.93	0.93	1.01	042		0.93	0.92	0.99

See notes on pg. 20.

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‡	
38YDA036-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section													
670	72	25.4	13.1	1.45	23.9	12.6	1.61	22.4	12.1	1.77	20.9	11.5	1.93
	67	23.0	16.5	1.45	21.6	15.9	1.60	20.2	15.4	1.75	18.8	14.8	1.89
	63‡‡	21.2	15.9	1.45	19.9	15.3	1.59	18.6	14.8	1.73	17.3	14.2	1.86
	62	20.8	19.8	1.45	19.5	19.2	1.59	18.4	18.4	1.73	17.4	17.4	1.87
	57	20.4	20.4	1.45	19.4	19.4	1.59	18.4	18.4	1.73	17.4	17.4	1.87
745	72	25.9	13.7	1.45	24.4	13.2	1.62	22.8	12.7	1.78	21.3	12.1	1.94
	67	23.5	17.5	1.46	22.0	16.9	1.61	20.6	16.4	1.76	19.2	15.8	1.90
	63‡‡	21.6	16.9	1.46	20.3	16.3	1.60	18.9	15.7	1.74	17.6	15.2	1.88
	62	21.3	21.1	1.46	20.1	20.1	1.60	19.1	19.1	1.74	18.0	18.0	1.88
	57	21.2	21.2	1.45	20.1	20.1	1.60	19.1	19.1	1.74	18.0	18.0	1.88
820	72	26.3	14.3	1.46	24.7	13.8	1.63	23.1	13.3	1.79	21.5	12.7	1.95
	67	23.8	18.4	1.46	22.3	17.9	1.62	20.9	17.3	1.77	19.4	16.8	1.91
	63‡‡	22.0	17.8	1.46	20.6	17.2	1.61	19.2	16.6	1.75	17.8	16.0	1.89
	62	21.9	21.9	1.46	20.8	20.8	1.61	19.7	19.7	1.76	18.6	18.6	1.90
	57	21.9	21.9	1.46	20.8	20.8	1.61	19.7	19.7	1.76	18.6	18.6	1.90
950	72	26.9	15.4	1.47	25.2	14.8	1.64	23.6	14.3	1.80	21.9	13.7	1.96
	67	24.3	20.1	1.47	22.8	19.5	1.63	21.3	18.9	1.78	19.8	18.4	1.93
	63‡‡	22.5	19.3	1.47	21.1	18.7	1.62	19.6	18.1	1.77	18.2	17.5	1.91
	62	23.0	23.0	1.47	21.8	21.8	1.63	20.6	20.6	1.78	19.4	19.4	1.93
	57	23.0	23.0	1.47	21.8	21.8	1.63	20.6	20.6	1.78	19.4	19.4	1.93
1075	72	27.2	16.3	1.48	25.6	15.8	1.65	23.9	15.2	1.82	22.2	14.7	1.98
	67	24.8	21.6	1.48	23.2	21.0	1.64	21.7	20.4	1.80	20.2	19.8	1.95
	63‡‡	22.9	20.7	1.48	21.4	20.1	1.64	20.0	19.5	1.78	18.6	18.6	1.92
	62	23.9	23.9	1.48	22.6	22.6	1.64	21.3	21.3	1.80	20.1	20.1	1.95
	57	23.9	23.9	1.48	22.6	22.6	1.64	21.3	21.3	1.80	20.1	20.1	1.95
1200	72	27.5	17.2	1.49	25.8	16.7	1.66	24.1	16.1	1.83	22.4	15.6	1.99
	67	25.1	23.1	1.49	23.5	22.5	1.65	22.0	21.8	1.81	20.6	20.6	1.97
	63‡‡	23.2	22.1	1.49	21.8	21.4	1.65	20.4	20.4	1.80	19.1	19.1	1.94
	62	24.6	24.6	1.49	23.3	23.3	1.65	22.0	22.0	1.81	20.6	20.6	1.97
	57	24.6	24.6	1.49	23.3	23.3	1.65	22.0	22.0	1.81	20.6	20.6	1.97

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4ANF	036	0.91	0.91	1.28	CE3AA	036	0.91	0.90	1.03
F(A,B)4AN(F,B)	042	0.95	0.95	1.24		042	0.95	0.92	1.03
FC4BN(F,B)	042	0.95	0.95	1.24	CJ5A/CK5A/CK5BA	036	0.95	0.95	1.06
FC4BNF	036	0.91	0.91	1.28	CJ5A/CK5A/CK5BN	042	0.95	0.95	1.06
FK4CNB	006	1.00	1.00	1.00	CK3BA	036	0.95	0.95	1.06
FK4CNF	001	0.91	0.90	1.02		042	0.95	0.95	1.06
	002	0.94	0.91	1.02	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE				
	003	0.94	0.91	1.01	CC5A/CD5A/CD5BA	036	0.95	0.92	1.02
	005	0.97	0.94	1.00		042	0.95	0.92	1.02
CC5A/CD5A/CD5BA	036	0.95	0.91	1.14	CC5A/CD5A/CD5BW	042	0.95	0.90	1.02
	042	0.95	0.91	1.14	CD5A/CD5BW	036	0.95	0.92	1.02
CC5A/CD5A/CD5BW	042	0.94	0.90	1.14	CD3(A,B)A	036	0.95	0.92	1.02
CD5A/CD5BW	036	0.95	0.91	1.14		042	0.95	0.92	1.02
CD3(A,B)A	036	0.95	0.91	1.14	CE3AA	036	0.91	0.91	1.02
	042	0.95	0.91	1.14		042	0.95	0.93	1.02
CE3AA	036	0.91	0.90	1.14	CJ5A/CK5A/CK5BA	042	0.95	0.95	1.04
	042	0.95	0.93	1.14	CJ5A/CK5A/CK5BW	036	0.95	0.95	1.04
CF5AA	036	0.95	0.91	1.14	CK3BA	036	0.95	0.95	1.04
CJ5A/CK5A/CK5BA	036	0.95	0.95	1.16		042	0.95	0.95	1.04
	042	0.95	0.95	1.16	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				
CJ5A/CK5A/CK5BN	042	0.95	0.95	1.16	CC5A/CD5A/CD5BA	036	0.95	0.92	1.02
	060	0.95	0.95	1.16		042	0.95	0.92	1.02
CJ5A/CK5A/CK5BW	036	0.95	0.95	1.16	CC5A/CD5A/CD5BW	042	0.95	0.90	1.02
CK3BA	036	0.95	0.95	1.16	CD5A/CD5BW	036	0.95	0.92	1.02
	042	0.95	0.95	1.16	CD3(A,B)A	036	0.95	0.92	1.02
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE						042	0.95	0.92	1.02
CC5A/CD5A/CD5BA	036	0.95	0.91	1.03	CE3AA	036	0.91	0.91	1.02
	042	0.95	0.91	1.03		042	0.95	0.93	1.02
CC5A/CD5A/CD5BW	042	0.95	0.90	1.03	CJ5A/CK5A/CK5BA	042	0.95	0.95	1.04
CD5A/CD5BW	036	0.95	0.91	1.03	CJ5A/CK5A/CK5BW	036	0.95	0.94	1.04
CD3(A,B)A	036	0.95	0.91	1.03	CK3BA	036	0.95	0.95	1.04
	042	0.95	0.91	1.03		042	0.95	0.95	1.04

See notes on pg. 20.

Detailed cooling capacities* continued

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†	
38YDA036-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section continued													
670	72	25.4	13.1	1.45	23.9	12.6	1.61	22.4	12.1	1.77	20.9	11.5	1.93
	67	23.0	16.5	1.45	21.6	15.9	1.60	20.2	15.4	1.75	18.8	14.8	1.89
	63††	21.2	15.9	1.45	19.9	15.3	1.59	18.6	14.8	1.73	17.3	14.2	1.86
	62	20.8	19.8	1.45	19.5	19.2	1.59	18.4	18.4	1.73	17.4	17.4	1.87
	57	20.4	20.4	1.45	19.4	19.4	1.59	18.4	18.4	1.73	17.4	17.4	1.87
745	72	25.9	13.7	1.45	24.4	13.2	1.62	22.8	12.7	1.78	21.3	12.1	1.94
	67	23.5	17.5	1.46	22.0	16.9	1.61	20.6	16.4	1.76	19.2	15.8	1.90
	63††	21.6	16.9	1.46	20.3	16.3	1.60	18.9	15.7	1.74	17.6	15.2	1.88
	62	21.3	21.1	1.46	20.1	20.1	1.60	19.1	19.1	1.74	18.0	18.0	1.88
	57	21.2	21.2	1.45	20.1	20.1	1.60	19.1	19.1	1.74	18.0	18.0	1.88
820	72	26.3	14.3	1.46	24.7	13.8	1.63	23.1	13.3	1.79	21.5	12.7	1.95
	67	23.8	18.4	1.46	22.3	17.9	1.62	20.9	17.3	1.77	19.4	16.8	1.91
	63††	22.0	17.8	1.46	20.6	17.2	1.61	19.2	16.6	1.75	17.8	16.0	1.89
	62	21.9	21.9	1.46	20.8	20.8	1.61	19.7	19.7	1.76	18.6	18.6	1.90
	57	21.9	21.9	1.46	20.8	20.8	1.61	19.7	19.7	1.76	18.6	18.6	1.90
950	72	26.9	15.4	1.47	25.2	14.8	1.64	23.6	14.3	1.80	21.9	13.7	1.96
	67	24.3	20.1	1.47	22.8	19.5	1.63	21.3	18.9	1.78	19.8	18.4	1.93
	63††	22.5	19.3	1.47	21.1	18.7	1.62	19.6	18.1	1.77	18.2	17.5	1.91
	62	23.0	23.0	1.47	21.8	21.8	1.63	20.6	20.6	1.78	19.4	19.4	1.93
	57	23.0	23.0	1.47	21.8	21.8	1.63	20.6	20.6	1.78	19.4	19.4	1.93
1075	72	27.2	16.3	1.48	25.6	15.8	1.65	23.9	15.2	1.82	22.2	14.7	1.98
	67	24.8	21.6	1.48	23.2	21.0	1.64	21.7	20.4	1.80	20.2	19.8	1.95
	63††	22.9	20.7	1.48	21.4	20.1	1.64	20.0	19.5	1.78	18.6	18.6	1.92
	62	23.9	23.9	1.48	22.6	22.6	1.64	21.3	21.3	1.80	20.1	20.1	1.95
	57	23.9	23.9	1.48	22.6	22.6	1.64	21.3	21.3	1.80	20.1	20.1	1.95
1200	72	27.5	17.2	1.49	25.8	16.7	1.66	24.1	16.1	1.83	22.4	15.6	1.99
	67	25.1	23.1	1.49	23.5	22.5	1.65	22.0	21.8	1.81	20.6	20.6	1.97
	63††	23.2	22.1	1.49	21.8	21.4	1.65	20.4	20.4	1.80	19.1	19.1	1.94
	62	24.6	24.6	1.49	23.3	23.3	1.65	22.0	22.0	1.81	20.6	20.6	1.97
	57	24.6	24.6	1.49	23.3	23.3	1.65	22.0	22.0	1.81	20.6	20.6	1.97

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					COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE					
CC5A/CD5A/CD5BA	036	0.94	0.84	1.00	CC5A/CD5A/CD5BA	036	0.95	0.92	1.01	
	042	0.94	0.84	0.99		042	0.95	0.92	1.00	
CC5A/CD5A/CD5BW	042	0.94	0.83	0.99	CC5A/CD5A/CD5BW	042	0.95	0.91	1.00	
CD5A/CD5BA	036	0.94	0.84	1.00	CD5A/CD5BW	036	0.95	0.92	1.01	
CD3(A,B)A	036	0.94	0.84	1.00	CD3(A,B)A	036	0.95	0.92	1.01	
	042	0.94	0.84	0.99		042	0.95	0.92	1.00	
CD3CA	036	0.92	0.82	0.99	CD3CA	036	0.95	0.89	0.99	
	042	0.92	0.82	0.99		042	0.95	0.89	0.99	
CE3AA	036	0.93	0.83	1.00	CE3AA	036	0.95	0.91	1.01	
	042	0.94	0.84	0.99		042	0.95	0.93	1.00	
CJ5A/CK5A/CK5BA	036	0.94	0.90	1.02	CJ5A/CK5A/CK5BA	042	0.95	0.95	1.02	
CK3BA	036	0.94	0.90	1.02	CJ5A/CK5A/CK5BW	036	0.95	0.95	1.02	
	042	0.94	0.90	1.02		CK3BA	036	0.95	0.95	1.03
COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE					COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE					
CC5A/CD5A/CD5BA	036	0.95	0.90	1.00	CC5A/CD5A/CD5BA	036	0.95	0.93	1.01	
	042	0.95	0.90	1.00		042	0.95	0.93	1.00	
CC5A/CD5A/CD5BW	042	0.95	0.89	1.00	CC5A/CD5A/CD5BW	042	0.95	0.92	1.00	
CD5A/CD5BW	036	0.95	0.90	1.00	CD5A/CD5BW	036	0.95	0.93	1.01	
CD3(A,B)A	036	0.95	0.90	1.00	CD3(A,B)A	036	0.95	0.93	1.01	
	042	0.95	0.90	1.00		042	0.95	0.93	1.00	
CD3CA	036	0.92	0.88	0.99	CD3CA	042	0.95	0.93	1.00	
	042	0.94	0.88	0.99		036	0.95	0.91	0.99	
CE3AA	036	0.95	0.88	1.00	CE3AA	042	0.95	0.91	0.99	
	042	0.95	0.91	1.00		036	0.95	0.92	1.01	
CJ5A/CK5A/CK5BA	042	0.95	0.95	1.02	042	0.95	0.94	1.00		
CJ5A/CK5A/CK5BW	036	0.95	0.95	1.02	CJ5A/CK5A/CK5BA	042	0.95	0.95	1.02	
CK3BA	036	0.95	0.95	1.02	CJ5A/CK5A/CK5BW	036	0.95	0.95	1.02	
	042	0.95	0.95	1.02		CK3BA	036	0.95	0.95	1.03
	—	—	—	—			042	0.95	0.95	1.02

See notes on pg. 20.

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‡	
38YDA048-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section													
1070	72	55.5	26.6	4.69	53.0	25.6	5.04	50.5	24.6	5.39	47.9	23.7	5.73
	67	50.5	32.4	4.54	48.2	31.4	4.86	45.9	30.4	5.18	43.3	29.4	5.48
	63‡‡	46.9	31.6	4.42	44.7	30.6	4.73	42.4	29.6	5.02	40.0	28.5	5.28
	62	45.9	38.1	4.39	43.8	37.1	4.69	41.6	36.0	4.97	39.1	34.9	5.23
	57	42.6	42.6	4.28	40.9	40.9	4.57	39.2	39.2	4.86	37.4	37.4	5.12
1200	72	56.8	27.7	4.76	54.1	26.7	5.11	51.5	25.7	5.47	48.8	24.7	5.82
	67	51.7	34.2	4.61	49.3	33.2	4.94	46.8	32.1	5.27	44.3	31.1	5.57
	63‡‡	48.1	33.3	4.49	45.8	32.3	4.80	43.5	31.2	5.10	40.9	30.1	5.38
	62	47.1	40.6	4.46	44.8	39.5	4.77	42.6	38.4	5.06	40.1	37.3	5.33
	57	44.5	44.5	4.38	42.8	42.8	4.68	40.9	40.9	4.98	39.0	39.0	5.26
1325	72	57.8	28.7	4.83	55.0	27.7	5.18	52.3	26.7	5.54	49.5	25.7	5.89
	67	52.7	35.8	4.67	50.2	34.8	5.00	47.7	33.8	5.33	45.0	32.7	5.65
	63‡‡	49.0	34.9	4.55	46.6	33.8	4.87	44.2	32.7	5.17	41.6	31.6	5.45
	62	48.0	42.8	4.52	45.7	41.7	4.83	43.4	40.7	5.14	40.9	39.5	5.41
	57	46.1	46.1	4.46	44.3	44.3	4.78	42.4	42.4	5.09	40.4	40.4	5.38
1470	72	58.8	29.8	4.89	55.9	28.7	5.25	53.1	27.8	5.61	50.2	26.7	5.97
	67	53.6	37.7	4.74	51.0	36.6	5.07	48.4	35.6	5.41	45.7	34.5	5.72
	63‡‡	49.9	36.6	4.62	47.4	35.5	4.94	44.9	34.5	5.24	42.3	33.3	5.53
	62	49.0	45.4	4.59	46.7	44.2	4.91	44.3	43.1	5.21	41.9	41.7	5.50
	57	47.7	47.7	4.55	45.8	45.8	4.87	43.9	43.9	5.20	41.8	41.8	5.50
1625	72	59.7	31.0	4.95	56.6	29.9	5.31	53.7	28.9	5.68	50.8	27.9	6.04
	67	54.5	39.6	4.80	51.8	38.5	5.13	49.1	37.5	5.47	46.3	36.4	5.80
	63‡‡	50.6	38.4	4.68	48.1	37.3	5.00	45.6	36.2	5.32	42.9	35.1	5.61
	62	49.9	47.9	4.66	47.6	46.7	4.98	45.2	45.2	5.30	43.1	43.1	5.62
	57	49.2	49.2	4.64	47.2	47.2	4.97	45.2	45.2	5.30	43.0	43.0	5.62

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4AN(F,B)	048	0.94	0.94	1.05	CC5A/CD5A/CD5BW	048	0.92	0.88	1.01
	060	0.98	0.98	1.08		060	0.94	0.93	1.02
FB4ANB	070	1.01	1.01	1.07	CD5A/CD5BA	048	0.92	0.89	1.01
FC4BN(F,B)	048	0.94	0.94	1.05	CD3(A,B)A	048	0.92	0.89	1.01
	060	0.98	0.98	1.08		060	0.92	0.89	1.01
FC4BNB	070	1.01	1.01	1.07	CE3AA	048	0.92	0.92	1.02
FK4CNB	006	1.00	1.00	1.00		060	0.94	0.94	1.02
FK4CNF	005	0.96	0.96	1.01	CJ5A/CK5A/CK5BA	048	0.91	0.91	1.03
CC5A/CD5A/CD5BA	060	0.94	0.94	1.04		060	0.92	0.92	1.04
CC5A/CD5A/CD5BW	048	0.94	0.94	1.03	CJ5A/CK5A/CK5BN	060	0.94	0.94	1.04
	060	0.96	0.96	1.05	CJ5A/CK5A/CK5BX	060	0.94	0.94	1.04
CD5A/CD5BA	048	0.94	0.94	1.03	CK3BA	048	0.91	0.91	1.03
CD3(A,B)A	048	0.94	0.94	1.03		060	0.92	0.92	1.04
	060	0.94	0.94	1.04	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				
CE3AA	048	0.94	0.94	1.04	CC5A/CD5A/CD5BA	060	0.92	0.87	0.99
	060	0.96	0.96	1.05	CC5A/CD5A/CD5BC	048	0.90	0.85	0.99
CF5AA	048	0.94	0.94	1.04	CC5A/CD5A/CD5BW	048	0.90	0.87	0.99
CJ5A/CK5A/CK5BA	048	0.93	0.93	1.05		060	0.94	0.91	1.00
	060	0.94	0.94	1.06	CD3(A,B)A	048	0.90	0.87	1.00
CJ5A/CK5A/CK5BN	060	0.96	0.96	1.07		060	0.92	0.87	0.99
CJ5A/CK5A/CK5BW	048	0.92	0.92	1.05	CD3CA	048	0.90	0.86	0.97
CJ5A/CK5A/CK5BX	060	0.96	0.96	1.07		060	0.92	0.90	0.98
CK3BA	048	0.92	0.92	1.05	CE3AA	048	0.92	0.90	1.00
	060	0.94	0.94	1.06		060	0.94	0.93	1.00
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CJ5A/CK5A/CK5BA	048	0.90	0.90	1.01
CC5A/CD5A/CD5BA	060	0.92	0.89	1.01	CK3BA	048	0.90	0.90	1.01
	—	—	—	—		060	0.92	0.92	1.02

See notes on pg. 20.

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‡	
38YDA048-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section continued													
1070	72	55.5	26.6	4.69	53.0	25.6	5.04	50.5	24.6	5.39	47.9	23.7	5.73
	67	50.5	32.4	4.54	48.2	31.4	4.86	45.9	30.4	5.18	43.3	29.4	5.48
	63‡‡	46.9	31.6	4.42	44.7	30.6	4.73	42.4	29.6	5.02	40.0	28.5	5.28
	62	45.9	38.1	4.39	43.8	37.1	4.69	41.6	36.0	4.97	39.1	34.9	5.23
	57	42.6	42.6	4.28	40.9	40.9	4.57	39.2	39.2	4.86	37.4	37.4	5.12
1200	72	56.8	27.7	4.76	54.1	26.7	5.11	51.5	25.7	5.47	48.8	24.7	5.82
	67	51.7	34.2	4.61	49.3	33.2	4.94	46.8	32.1	5.27	44.3	31.1	5.57
	63‡‡	48.1	33.3	4.49	45.8	32.3	4.80	43.5	31.2	5.10	40.9	30.1	5.38
	62	47.1	40.6	4.46	44.8	39.5	4.77	42.6	38.4	5.06	40.1	37.3	5.33
	57	44.5	44.5	4.38	42.8	42.8	4.68	40.9	40.9	4.98	39.0	39.0	5.26
1325	72	57.8	28.7	4.83	55.0	27.7	5.18	52.3	26.7	5.54	49.5	25.7	5.89
	67	52.7	35.8	4.67	50.2	34.8	5.00	47.7	33.8	5.33	45.0	32.7	5.65
	63‡‡	49.0	34.9	4.55	46.6	33.8	4.87	44.2	32.7	5.17	41.6	31.6	5.45
	62	48.0	42.8	4.52	45.7	41.7	4.83	43.4	40.7	5.14	40.9	39.5	5.41
	57	46.1	46.1	4.46	44.3	44.3	4.78	42.4	42.4	5.09	40.4	40.4	5.38
1470	72	58.8	29.8	4.89	55.9	28.7	5.25	53.1	27.8	5.61	50.2	26.7	5.97
	67	53.6	37.7	4.74	51.0	36.6	5.07	48.4	35.6	5.41	45.7	34.5	5.72
	63‡‡	49.9	36.6	4.62	47.4	35.5	4.94	44.9	34.5	5.24	42.3	33.3	5.53
	62	49.0	45.4	4.59	46.7	44.2	4.91	44.3	43.1	5.21	41.9	41.7	5.50
	57	47.7	47.7	4.55	45.8	45.8	4.87	43.9	43.9	5.20	41.8	41.8	5.50
1625	72	59.7	31.0	4.95	56.6	29.9	5.31	53.7	28.9	5.68	50.8	27.9	6.04
	67	54.5	39.6	4.80	51.8	38.5	5.13	49.1	37.5	5.47	46.3	36.4	5.80
	63‡‡	50.6	38.4	4.68	48.1	37.3	5.00	45.6	36.2	5.32	42.9	35.1	5.61
	62	49.9	47.9	4.66	47.6	46.7	4.98	45.2	45.2	5.30	43.1	43.1	5.62
	57	49.2	49.2	4.64	47.2	47.2	4.97	45.2	45.2	5.30	43.0	43.0	5.62

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/CD5A/CD5BA	060	0.92	0.87	0.96	CC5A/CD5A/CD5BA	060	0.92	0.87	0.97
CC5A/CD5A/CD5BC	048	0.92	0.89	0.88	CC5A/CD5A/CD5BC	048	0.92	0.86	0.97
CC5A/CD5A/CD5BW	048	0.92	0.87	0.96	CC5A/CD5A/CD5BW	048	0.92	0.87	0.97
	060	0.94	0.91	0.97		060	0.94	0.90	0.98
CD5A/CD5BA	048	0.92	0.87	0.96	CD5A/CD5B	048	0.92	0.87	0.96
CD3(A,B)A	048	0.92	0.87	0.96	CD3(A,B)A	048	0.92	0.87	0.97
	060	0.92	0.87	0.96		060	0.92	0.87	0.97
CD3CA	048	0.91	0.86	0.94	CD3CA	048	0.91	0.85	0.95
	060	0.92	0.89	0.95		060	0.92	0.89	0.96
CE3AA	048	0.92	0.90	0.97	CE3AA	048	0.92	0.90	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	0.92	0.92	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	0.92	0.92	0.99

See notes on pg. 20.

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‡	
38YDA048-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section													
895	72	33.0	17.3	1.97	31.1	16.6	2.19	29.2	16.0	2.40	27.4	15.3	2.61
	67	29.8	21.9	1.97	28.1	21.2	2.17	26.4	20.6	2.37	24.7	19.9	2.56
	63‡‡	27.6	21.2	1.97	26.0	20.5	2.16	24.3	19.8	2.34	22.7	19.1	2.51
	62	27.1	26.4	1.97	25.6	25.6	2.15	24.3	24.3	2.34	23.1	23.1	2.52
	57	26.8	26.8	1.96	25.6	25.6	2.15	24.3	24.3	2.34	23.0	23.0	2.52
995	72	33.5	18.1	1.98	31.6	17.4	2.20	29.6	16.8	2.42	27.7	16.1	2.63
	67	30.4	23.2	1.98	28.6	22.6	2.19	26.8	21.9	2.39	25.1	21.2	2.58
	63‡‡	28.1	22.4	1.98	26.4	21.7	2.17	24.7	21.0	2.35	23.1	20.3	2.53
	62	27.9	27.9	1.98	26.5	26.5	2.17	25.2	25.2	2.36	23.8	23.8	2.55
	57	27.9	27.9	1.98	26.5	26.5	2.17	25.2	25.2	2.36	23.8	23.8	2.55
1095	72	33.9	18.9	1.99	32.0	18.2	2.21	30.0	17.6	2.43	28.0	16.9	2.64
	67	30.8	24.5	1.99	29.0	23.8	2.20	27.2	23.1	2.40	25.4	22.5	2.60
	63‡‡	28.5	23.6	1.99	26.8	22.9	2.19	25.1	22.2	2.37	23.4	21.5	2.55
	62	28.7	28.7	1.99	27.3	27.3	2.19	25.9	25.9	2.38	24.5	24.5	2.58
	57	28.7	28.7	1.99	27.3	27.3	2.19	25.9	25.9	2.38	24.5	24.5	2.58
1200	72	34.3	19.7	2.00	32.3	19.0	2.23	30.3	18.4	2.45	28.3	17.7	2.66
	67	31.2	25.8	2.01	29.3	25.1	2.21	27.5	24.4	2.42	25.7	23.7	2.61
	63‡‡	28.9	24.9	2.00	27.1	24.1	2.20	25.4	23.4	2.39	23.7	22.7	2.57
	62	29.5	29.5	2.00	28.1	28.1	2.21	26.6	26.6	2.41	25.1	25.1	2.60
	57	29.5	29.5	2.00	28.1	28.1	2.21	26.6	26.6	2.41	25.1	25.1	2.60
1325	72	34.7	20.6	2.01	32.7	20.0	2.24	30.6	19.3	2.47	28.6	18.6	2.68
	67	31.6	27.4	2.02	29.7	26.7	2.23	27.8	25.9	2.44	26.0	25.2	2.64
	63‡‡	29.2	26.3	2.02	27.4	25.5	2.22	25.7	24.8	2.41	24.0	23.9	2.60
	62	30.4	30.4	2.02	28.8	28.8	2.23	27.3	27.3	2.43	25.8	25.8	2.63
	57	30.4	30.4	2.02	28.9	28.9	2.23	27.3	27.3	2.43	25.8	25.8	2.63
1450	72	35.0	21.5	2.03	32.9	20.9	2.26	30.8	20.2	2.48	28.8	19.6	2.70
	67	31.9	28.9	2.03	30.0	28.1	2.25	28.1	27.3	2.46	26.4	26.4	2.66
	63‡‡	29.6	27.6	2.03	27.8	26.8	2.23	26.1	25.9	2.43	24.5	24.5	2.62
	62	31.1	31.1	2.03	29.6	29.6	2.25	27.9	27.9	2.45	26.4	26.4	2.66
	57	31.1	31.1	2.03	29.5	29.5	2.25	28.0	28.0	2.45	26.4	26.4	2.66

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4AN(F,B)	048	0.98	0.98	1.26	CD5A/CD5BA	048	0.91	0.87	1.00
	060	1.00	1.00	1.30	CD3(A,B)A	048	0.91	0.87	1.00
FB4ANB	070	1.00	1.00	1.26	CE3AA	060	0.91	0.87	1.00
FC4BNB	070	1.00	1.00	1.26		048	0.91	0.89	1.01
FC4BN(F,B)	048	0.98	0.98	1.26	CJ5A/CK5A/CK5BA	060	0.92	0.91	1.01
	060	1.00	1.00	1.30		048	0.94	0.94	1.02
FK4CNB	006	1.00	1.00	1.00	CJ5A/CK5A/CK5BN	060	0.94	0.94	1.03
FK4CNF	005	0.96	0.94	1.00		060	0.97	0.97	1.03
CC5A/CD5A/CD5BA	060	0.91	0.86	1.10	CJ5A/CK5A/CK5BX	060	0.97	0.97	1.02
CC5A/CD5A/CD5BW	048	0.91	0.87	1.10	CK3BA	048	0.94	0.94	1.02
	060	0.94	0.90	1.10		060	0.94	0.94	1.03
CD5A/CD5BA	048	0.91	0.87	1.10	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				
CD3(A,B)A	048	0.91	0.87	1.10	CC5A/CD5A/CD5BA	060	0.92	0.85	0.99
	060	0.91	0.86	1.10	CC5A/CD5A/CD5BC	048	0.91	0.83	0.99
CE3AA	048	0.91	0.89	1.10	CC5A/CD5A/CD5BW	048	0.91	0.85	0.99
	060	0.94	0.91	1.10	CD5A/CD5BA	060	0.94	0.88	0.99
CF5AA	048	0.91	0.87	1.10		048	0.91	0.85	0.99
CJ5A/CK5A/CK5BA	048	0.96	0.95	1.12	CD3(A,B)A	048	0.91	0.85	0.99
	060	0.97	0.96	1.12		060	0.92	0.85	0.99
CJ5A/CK5A/CK5BN	060	0.98	0.98	1.12	CD3CA	048	0.91	0.85	0.98
CJ5A/CK5A/CK5BW	048	0.96	0.95	1.12		060	0.92	0.87	0.98
CJ5A/CK5A/CK5BX	060	0.98	0.98	1.12	CE3AA	048	0.92	0.87	0.99
CK3BA	048	0.96	0.95	1.12		060	0.94	0.89	0.99
	060	0.97	0.96	1.12	CJ5A/CK5A/CK5BA	048	0.91	0.91	1.01
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CK3BA	048	0.91	0.91	1.01
CC5A/CD5A/CD5BA	060	0.91	0.87	1.00		060	0.91	0.91	1.02
CC5A/CD5A/CD5BW	048	0.91	0.87	1.00		—	—	—	—
	060	0.92	0.90	1.00					

See notes on pg. 20.

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‡	
38YDA048-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section continued													
895	72	33.0	17.3	1.97	31.1	16.6	2.19	29.2	16.0	2.40	27.4	15.3	2.61
	67	29.8	21.9	1.97	28.1	21.2	2.17	26.4	20.6	2.37	24.7	19.9	2.56
	63‡‡	27.6	21.2	1.97	26.0	20.5	2.16	24.3	19.8	2.34	22.7	19.1	2.51
	62	27.1	26.4	1.97	25.6	25.6	2.15	24.3	24.3	2.34	23.1	23.1	2.52
	57	26.8	26.8	1.96	25.6	25.6	2.15	24.3	24.3	2.34	23.0	23.0	2.52
995	72	33.5	18.1	1.98	31.6	17.4	2.20	29.6	16.8	2.42	27.7	16.1	2.63
	67	30.4	23.2	1.98	28.6	22.6	2.19	26.8	21.9	2.39	25.1	21.2	2.58
	63‡‡	28.1	22.4	1.98	26.4	21.7	2.17	24.7	21.0	2.35	23.1	20.3	2.53
	62	27.9	27.9	1.98	26.5	26.5	2.17	25.2	25.2	2.36	23.8	23.8	2.55
	57	27.9	27.9	1.98	26.5	26.5	2.17	25.2	25.2	2.36	23.8	23.8	2.55
1095	72	33.9	18.9	1.99	32.0	18.2	2.21	30.0	17.6	2.43	28.0	16.9	2.64
	67	30.8	24.5	1.99	29.0	23.8	2.20	27.2	23.1	2.40	25.4	22.5	2.60
	63‡‡	28.5	23.6	1.99	26.8	22.9	2.19	25.1	22.2	2.37	23.4	21.5	2.55
	62	28.7	28.7	1.99	27.3	27.3	2.19	25.9	25.9	2.38	24.5	24.5	2.58
	57	28.7	28.7	1.99	27.3	27.3	2.19	25.9	25.9	2.38	24.5	24.5	2.58
1200	72	34.3	19.7	2.00	32.3	19.0	2.23	30.3	18.4	2.45	28.3	17.7	2.66
	67	31.2	25.8	2.01	29.3	25.1	2.21	27.5	24.4	2.42	25.7	23.7	2.61
	63‡‡	28.9	24.9	2.00	27.1	24.1	2.20	25.4	23.4	2.39	23.7	22.7	2.57
	62	29.5	29.5	2.00	28.1	28.1	2.21	26.6	26.6	2.41	25.1	25.1	2.60
	57	29.5	29.5	2.00	28.1	28.1	2.21	26.6	26.6	2.41	25.1	25.1	2.60
1325	72	34.7	20.6	2.01	32.7	20.0	2.24	30.6	19.3	2.47	28.6	18.6	2.68
	67	31.6	27.4	2.02	29.7	26.7	2.23	27.8	25.9	2.44	26.0	25.2	2.64
	63‡‡	29.2	26.3	2.02	27.4	25.5	2.22	25.7	24.8	2.41	24.0	23.9	2.60
	62	30.4	30.4	2.02	28.8	28.8	2.23	27.3	27.3	2.43	25.8	25.8	2.63
	57	30.4	30.4	2.02	28.9	28.9	2.23	27.3	27.3	2.43	25.8	25.8	2.63
1450	72	35.0	21.5	2.03	32.9	20.9	2.26	30.8	20.2	2.48	28.8	19.6	2.70
	67	31.9	28.9	2.03	30.0	28.1	2.25	28.1	27.3	2.46	26.4	26.4	2.66
	63‡‡	29.6	27.6	2.03	27.8	26.8	2.23	26.1	25.9	2.43	24.5	24.5	2.62
	62	31.1	31.1	2.03	29.6	29.6	2.25	27.9	27.9	2.45	26.4	26.4	2.66
	57	31.1	31.1	2.03	29.5	29.5	2.25	28.0	28.0	2.45	26.4	26.4	2.66

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/CD5A/CD5BA	060	0.93	0.84	0.97	CC5A/CD5A/CD5BA	060	0.93	0.87	0.98
CC5A/CD5A/CD5BC	048	0.93	0.82	0.98	CC5A/CD5A/CD5BC	048	0.93	0.86	0.98
CC5A/CD5A/CD5BW	048	0.93	0.84	0.98	CC5A/CD5A/CD5BW	048	0.93	0.87	0.98
	060	0.94	0.86	0.98		060	0.94	0.90	0.98
CD5A/CD5BA	048	0.93	0.84	0.98	CD5A/CD5BA	048	0.93	0.88	0.98
CD3(A,B)A	048	0.93	0.84	0.98	CD3(A,B)A	048	0.93	0.88	0.98
	060	0.94	0.84	0.97		060	0.93	0.87	0.98
CD3CA	048	0.92	0.83	0.97	CD3CA	048	0.92	0.87	0.97
	060	0.93	0.86	0.97		060	0.93	0.90	0.97
CE3AA	048	0.93	0.86	0.98	CE3AA	048	0.93	0.90	1.01
	060	0.94	0.88	0.98		060	0.94	0.92	0.98
CJ5A/CK5A/CK5BA	060	0.94	0.94	1.00	CJ5A/CK5A/CK5BA	060	0.94	0.94	1.01
CJ5A/CK5A/CK5BW	048	0.94	0.92	1.00	CJ5A/CK5A/CK5BW	048	0.94	0.94	1.01
CJ5A/CK5A/CK5BX	060	0.97	0.94	1.00	CJ5A/CK5A/CK5BX	060	0.97	0.97	1.01
CK3BA	048	0.94	0.92	1.00	CK3BA	048	0.94	0.94	1.01
	060	0.94	0.94	1.00		060	0.94	0.94	1.01

See notes on pg. 20.

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‡	
38YDA060-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section													
1325	72	62.6	30.2	5.51	59.5	29.0	5.89	56.4	27.8	6.25	53.1	26.6	6.59
	67	57.0	37.3	5.33	54.2	36.0	5.67	51.2	34.7	5.99	48.1	33.5	6.30
	63‡‡	53.0	36.3	5.18	50.2	35.0	5.50	47.3	33.7	5.79	44.5	32.4	6.07
	62	51.9	44.2	5.14	49.1	42.8	5.45	46.4	41.5	5.74	43.5	40.2	6.02
	57	48.7	48.7	5.02	46.6	46.6	5.33	44.5	44.5	5.64	42.2	42.2	5.94
1500	72	64.0	31.5	5.62	60.8	30.3	6.01	57.4	29.0	6.37	54.1	27.8	6.71
	67	58.4	39.4	5.43	55.4	38.2	5.79	52.2	36.9	6.11	49.0	35.6	6.42
	63‡‡	54.3	38.4	5.29	51.3	37.0	5.61	48.3	35.7	5.91	45.3	34.4	6.20
	62	53.2	47.2	5.25	50.3	45.8	5.57	47.5	44.5	5.87	44.6	43.1	6.15
	57	50.9	50.9	5.17	48.7	48.7	5.49	46.3	46.3	5.81	44.0	44.0	6.12
1650	72	65.0	32.5	5.70	61.6	31.3	6.10	58.2	30.1	6.46	54.7	28.9	6.81
	67	59.3	41.2	5.52	56.2	40.0	5.87	53.0	38.7	6.21	49.7	37.4	6.52
	63‡‡	55.1	40.0	5.37	52.1	38.7	5.70	49.0	37.4	6.01	45.9	36.1	6.29
	62	54.2	49.7	5.33	51.2	48.3	5.66	48.3	46.8	5.97	45.5	45.2	6.26
	57	52.5	52.5	5.28	50.2	50.2	5.61	47.8	47.8	5.94	45.3	45.3	6.26
1835	72	65.9	33.8	5.80	62.5	32.6	6.19	59.0	31.4	6.57	55.4	30.1	6.91
	67	60.2	43.4	5.61	57.0	42.1	5.97	53.7	40.8	6.31	50.3	39.5	6.62
	63‡‡	56.0	42.1	5.47	52.9	40.7	5.80	49.8	39.4	6.11	46.5	38.0	6.40
	62	55.1	52.5	5.44	52.2	51.0	5.77	49.4	49.3	6.09	46.7	46.7	6.41
	57	54.2	54.2	5.40	51.8	51.8	5.75	49.3	49.3	6.09	46.7	46.7	6.41
2025	72	66.6	35.0	5.89	63.1	33.8	6.29	59.6	32.6	6.66	55.9	31.3	7.01
	67	61.0	45.5	5.70	57.7	44.2	6.07	54.3	42.9	6.41	50.9	41.6	6.72
	63‡‡	56.7	44.0	5.56	53.6	42.7	5.89	50.3	41.3	6.21	47.0	39.9	6.50
	62	56.1	55.2	5.54	53.3	53.3	5.88	50.6	50.6	6.22	47.9	47.9	6.55
	57	55.8	55.8	5.53	53.2	53.2	5.88	50.6	50.6	6.22	47.9	47.9	6.55

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4AN(F,B)	060	0.98	0.98	1.05	CJ5A/CK5A/CK5BX	060	0.96	0.91	0.98
FB4ANB	070	1.00	1.00	1.04	CK3BA	060	0.94	0.88	0.97
FC4BN(F,B)	060	0.98	0.98	1.05	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				
FC4BNB	070	1.00	1.00	1.04	CC5A/CD5A/CD5BA	060	0.93	0.90	0.98
FK4CNB	006	1.00	1.00	1.00	CC5A/CD5A/CD5BW	060	0.96	0.93	0.98
CC5A/CD5A/CD5BW	060	0.98	0.97	1.02	CD3(A,B)A	060	0.93	0.90	0.99
CD5A/CD5A/CD5BA	060	0.96	0.94	1.01	CD3CA	060	0.93	0.92	0.96
CD3(A,B)A	060	0.96	0.93	1.01	CE3AA	060	0.96	0.96	1.00
CE3AA	060	0.98	0.98	1.02	CJ5A/CK5A/CK5BA	060	0.95	0.95	0.99
CJ5A/CK5A/CK5BA	060	0.96	0.96	1.02	CJ5A/CK5A/CK5BX	060	0.97	0.97	1.00
CJ5A/CK5A/CK5BN	060	0.98	0.98	1.03	CK3BA	060	0.95	0.95	0.99
CJ5A/CK5A/CK5BX	060	0.98	0.98	1.03	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CK3BA	060	0.96	0.96	1.02	CC5A/CD5A/CD5BA	060	0.93	0.88	0.99
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CC5A/CD5A/CD5BW	060	0.96	0.92	0.99
CC5A/CD5A/CD5BA	060	0.92	0.83	0.96	CD3(A,B)A	060	0.93	0.88	0.99
CC5A/CD5A/CD5BW	060	0.95	0.87	0.96	CD3CA	060	0.93	0.90	0.96
CD3(A,B)A	060	0.92	0.83	0.96	CE3AA	060	0.96	0.96	1.01
CE3AA	060	0.95	0.89	0.97	CJ5A/CK5A/CK5BA	060	0.95	0.94	0.99
CJ5A/CK5A/CK5BA	060	0.94	0.88	0.97	CJ5A/CK5A/CK5BX	060	0.96	0.96	1.02
CJ5A/CK5A/CK5BN	060	0.96	0.91	0.98	CK3BA	060	0.95	0.94	0.99

See notes on pg. 20.

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‡	
38YDA060-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section													
1115	72	36.5	19.6	2.05	34.7	19.0	2.42	32.8	18.3	2.77	30.8	17.6	3.08
	67	33.2	25.3	2.14	31.5	24.6	2.48	29.7	23.9	2.78	27.8	23.1	3.06
	63‡‡	30.9	24.4	2.20	29.2	23.7	2.51	27.4	23.0	2.78	25.6	22.2	3.03
	62	30.5	30.5	2.20	29.2	29.2	2.50	27.8	27.8	2.78	26.3	26.3	3.04
	57	28.9	28.9	2.23	29.2	29.2	2.49	29.5	29.5	2.79	29.9	29.9	3.10
1240	72	37.0	20.5	2.05	35.1	19.9	2.43	33.2	19.2	2.78	31.1	18.5	3.10
	67	33.7	26.8	2.15	32.0	26.1	2.49	30.1	25.4	2.80	28.2	24.6	3.08
	63‡‡	31.3	25.8	2.21	29.6	25.1	2.52	27.8	24.3	2.80	25.9	23.6	3.06
	62	31.5	31.5	2.20	30.1	30.1	2.51	28.6	28.6	2.80	27.1	27.1	3.07
	57	32.5	32.5	2.17	32.9	32.9	2.48	32.9	32.9	2.80	32.9	32.9	3.15
1365	72	37.3	21.4	2.06	35.5	20.8	2.44	33.5	20.1	2.80	31.4	19.4	3.12
	67	34.1	28.2	2.15	32.3	27.5	2.50	30.5	26.8	2.82	28.5	26.1	3.11
	63‡‡	31.7	27.2	2.22	30.0	26.5	2.53	28.1	25.7	2.82	26.2	24.9	3.08
	62	32.4	32.4	2.20	30.9	30.9	2.52	29.4	29.4	2.82	27.8	27.8	3.10
	57	35.9	35.9	2.12	35.9	35.9	2.47	36.0	36.0	2.82	35.7	35.7	3.18
1500	72	37.7	22.3	2.07	35.8	21.7	2.46	33.8	21.1	2.82	31.6	20.4	3.14
	67	34.5	29.8	2.16	32.7	29.1	2.52	30.8	28.3	2.84	28.8	27.5	3.13
	63‡‡	32.0	28.6	2.23	30.3	27.9	2.55	28.4	27.1	2.85	26.6	26.1	3.11
	62	33.2	33.2	2.20	31.7	31.7	2.53	30.1	30.1	2.84	28.5	28.5	3.13
	57	39.0	39.0	2.06	38.8	38.8	2.45	38.5	38.5	2.83	37.8	37.8	3.23
1625	72	37.9	23.2	2.08	36.0	22.6	2.47	34.0	21.9	2.83	31.8	21.2	3.16
	67	34.8	31.1	2.17	33.0	30.4	2.53	31.1	29.6	2.86	29.1	28.7	3.15
	63‡‡	32.3	29.9	2.24	30.6	29.1	2.57	28.7	28.2	2.86	26.9	26.9	3.14
	62	33.8	33.8	2.20	32.3	32.3	2.54	30.7	30.7	2.86	29.0	29.0	3.15
	57	41.4	41.4	2.00	41.1	41.1	2.42	40.5	40.5	2.84	39.3	39.3	3.24
1750	72	38.1	24.1	2.09	36.2	23.4	2.48	34.2	22.8	2.85	32.0	22.1	3.18
	67	35.0	32.4	2.18	33.3	31.7	2.55	31.4	30.8	2.88	29.5	29.5	3.18
	63‡‡	32.6	31.1	2.25	30.9	30.2	2.58	29.1	29.1	2.89	27.4	27.4	3.16
	62	34.4	34.4	2.20	32.9	32.9	2.55	31.2	31.2	2.88	29.5	29.5	3.18
	57	43.4	43.4	1.96	42.8	42.8	2.40	41.9	41.9	2.84	40.0	40.0	3.25

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling			Indoor Section	Size	Cooling		
		Capacity	Sensible††	Power			Capacity	Sensible††	Power
F(A,B)4AN(F,B)	060	1.00	1.00	1.29	CJ5A/CK5A/CK5BX	060	0.97	0.87	1.00
FB4ANB	070	1.00	1.00	1.23	CK3BA	060	0.96	0.86	1.01
FC4BN(F,B)	060	1.00	1.00	1.29	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				
FC4BNB	070	1.00	1.00	1.23	CC5A/CD5A/CD5BA	060	0.94	0.86	1.00
FK4CNB	006	1.00	1.00	1.00	CC5A/CD5A/CD5BW	060	0.96	0.89	0.99
CC5A/CD5A/CD5BA	060	0.94	0.85	1.10	CD3(A,B)A	060	0.94	0.86	1.00
CC5A/CD5A/CD5BW	060	0.96	0.88	1.09	CD3CA	060	0.94	0.89	0.99
CD3(A,B)A	060	0.94	0.85	1.10	CE3AA	060	0.96	0.91	0.99
CE3AA	060	0.96	0.90	1.10	CJ5A/CK5A/CK5BA	060	0.96	0.94	1.01
CJ5A/CK5A/CK5BA	060	0.94	0.92	1.12	CJ5A/CK5A/CK5BX	060	0.98	0.95	1.00
CJ5A/CK5A/CK5BN	060	0.96	0.94	1.11	CK3BA	060	0.96	0.94	1.01
CJ5A/CK5A/CK5BX	060	0.96	0.94	1.11	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				
CK3BA	060	0.94	0.92	1.12	CC5A/CD5A/CD5BA	060	0.94	0.85	1.00
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					CC5A/CD5A/CD5BW	060	0.96	0.88	0.99
CC5A/CD5A/CD5BA	060	0.94	0.80	1.00	CD3(A,B)A	060	0.94	0.85	1.00
CC5A/CD5A/CD5BW	060	0.94	0.82	0.98	CD3CA	060	0.94	0.88	0.99
CD3(A,B)A	060	0.94	0.80	1.00	CE3AA	060	0.96	0.90	0.99
CE3AA	060	0.94	0.84	0.99	CJ5A/CK5A/CK5BA	060	0.96	0.92	1.02
CJ5A/CK5A/CK5BA	060	0.96	0.86	1.01	CJ5A/CK5A/CK5BX	060	0.98	0.94	1.01
CJ5A/CK5A/CK5BN	060	0.97	0.87	1.01	CK3BA	060	0.96	0.92	1.02

* Detailed cooling capacities are based on indoor and outdoor unit at 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 (245 kw) 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.

‡‡ At TVA rating indoor condition (75° EDB/63° EWB). All other indoor air temperatures are at 80° EDB.

Heat pump heating performance

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F														
		-3			7			17			27			30		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA036-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section																
65	800	14.7	13.5	2.07	18.5	17.0	2.29	22.8	20.8	2.51	27.3	24.2	2.74	28.8	25.2	2.81
	900	14.9	13.7	2.08	18.8	17.3	2.29	23.2	21.1	2.51	27.8	24.7	2.73	29.3	25.7	2.80
	990	15.1	13.9	2.09	19.1	17.5	2.29	23.5	21.4	2.51	28.1	25.0	2.72	29.7	26.0	2.79
	1100	15.3	14.1	2.10	19.3	17.7	2.30	23.8	21.7	2.51	28.5	25.3	2.71	30.1	26.3	2.78
	1225	15.5	14.2	2.11	19.5	17.9	2.31	24.0	21.9	2.51	28.8	25.6	2.71	30.4	26.7	2.78
70	800	14.0	12.9	2.09	17.9	16.4	2.31	22.0	20.1	2.55	26.5	23.5	2.79	27.9	24.5	2.87
	900	14.2	13.1	2.10	18.2	16.7	2.32	22.4	20.4	2.55	27.0	24.0	2.78	28.5	24.9	2.85
	990	14.4	13.3	2.11	18.4	16.9	2.32	22.7	20.7	2.55	27.3	24.3	2.77	28.8	25.3	2.84
	1100	14.6	13.5	2.12	18.6	17.1	2.33	23.0	21.0	2.55	27.7	24.6	2.77	29.2	25.6	2.84
	1225	14.8	13.6	2.14	18.8	17.3	2.34	23.3	21.2	2.56	28.0	24.9	2.77	29.6	25.9	2.84
75	800	13.2	12.2	2.11	17.2	15.8	2.34	21.3	19.4	2.58	25.7	22.8	2.84	27.1	23.8	2.92
	900	13.5	12.4	2.12	17.5	16.1	2.34	21.7	19.8	2.58	26.2	23.2	2.83	27.7	24.2	2.91
	990	13.7	12.6	2.13	17.7	16.3	2.35	22.0	20.0	2.59	26.5	23.6	2.82	28.0	24.6	2.90
	1100	13.9	12.8	2.14	18.0	16.5	2.36	22.3	20.3	2.59	26.9	23.9	2.82	28.4	24.9	2.89
	1225	14.1	13.0	2.15	18.2	16.7	2.37	22.5	20.5	2.60	27.2	24.2	2.82	28.7	25.2	2.89

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4ANF	036	0.97	1.15	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
F(A,B)4AN(F,B)	042	0.97	1.12	CC5A/CD5A/CD5BA	036	0.94	1.08
FC4BN(F,B)	042	0.97	1.12		042	0.94	1.08
FC4BNF	036	0.97	1.15	CC5A/CD5A/CD5BW	042	0.94	1.08
FK4CNB	006	1.00	1.00	CD5A/CD5BW	036	0.94	1.08
FK4CNF	001	0.94	1.10	CD3(A,B)A	036	0.94	1.08
	002	0.97	1.09		042	0.94	1.08
	003	0.97	1.06	CE3AA	036	0.94	1.09
	005	0.99	1.03		042	0.94	1.07
CC5A/CD5A/CD5BA	036	0.97	1.12	CJ5A/CK5A/CK5BA	042	0.97	1.08
	042	0.97	1.12	CJ5A/CK5A/CK5BW	036	0.97	1.08
CC5A/CD5A/CD5BW	042	0.97	1.13	CK3BA	036	0.97	1.09
CD5A/CD5BW	036	0.97	1.12		042	0.97	1.08
CD3(A,B)A	036	0.97	1.12	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
	042	0.97	1.12	CC5A/CD5A/CD5BA	036	0.94	1.08
CE3AA	036	0.95	1.14		042	0.94	1.08
	042	0.96	1.12	CC5A/CD5A/CD5BW	042	0.94	1.07
CF5AA	036	0.97	1.13	CD5A/CD5BW	036	0.94	1.08
CJ5A/CK5A/CK5BA	036	1.00	1.13	CD3(A,B)A	036	0.94	1.08
	042	1.00	1.13		042	0.94	1.08
CJ5A/CK5A/CK5BN	042	1.00	1.13	CE3AA	036	0.94	1.08
	060	1.03	1.12		042	0.94	1.06
CJ5A/CK5A/CK5BW	036	1.00	1.13	CJ5A/CK5A/CK5BA	042	0.97	1.07
CK3BA	036	1.00	1.13	CJ5A/CK5A/CK5BW	036	0.97	1.07
	042	1.00	1.13	CK3BA	036	0.97	1.07
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE						042	0.97
CC5A/CD5A/CD5BA	036	0.94	1.09	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
	042	0.94	1.09	CC5A/CD5A/CD5BA	036	0.94	1.07
CC5A/CD5A/CD5BW	042	0.94	1.09		042	0.94	1.06
CD5A/CD5BW	036	0.94	1.09	CC5A/CD5A/CD5BW	042	0.94	1.07
CD3(A,B)A	036	0.94	1.09	CD5A/CD5BA	036	0.94	1.07
	042	0.94	1.09	CD3(A,B)A	036	0.94	1.07
CE3AA	036	0.94	1.10		042	0.94	1.06
	042	0.94	1.09	CD3CA	036	0.93	1.07
CJ5A/CK5A/CK5BA	036	0.97	1.09		042	0.93	1.07
CJ5A/CK5A/CK5BN	042	0.97	1.09	CE3AA	036	0.94	1.07
	036	0.97	1.09		042	0.94	1.05
CK3BA	042	0.97	1.04	CJ5A/CK5A/CK5BA	036	0.97	1.07
	—	—	—	CK3BA	036	0.97	1.07
					042	0.97	1.06

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F														
		-3			7			17			27			30		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA036-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section continued																
65	800	14.7	13.5	2.07	18.5	17.0	2.29	22.8	20.8	2.51	27.3	24.2	2.74	28.8	25.2	2.81
	900	14.9	13.7	2.08	18.8	17.3	2.29	23.2	21.1	2.51	27.8	24.7	2.73	29.3	25.7	2.80
	990	15.1	13.9	2.09	19.1	17.5	2.29	23.5	21.4	2.51	28.1	25.0	2.72	29.7	26.0	2.79
	1100	15.3	14.1	2.10	19.3	17.7	2.30	23.8	21.7	2.51	28.5	25.3	2.71	30.1	26.3	2.78
	1225	15.5	14.2	2.11	19.5	17.9	2.31	24.0	21.9	2.51	28.8	25.6	2.71	30.4	26.7	2.78
70	800	14.0	12.9	2.09	17.9	16.4	2.31	22.0	20.1	2.55	26.5	23.5	2.79	27.9	24.5	2.87
	900	14.2	13.1	2.10	18.2	16.7	2.32	22.4	20.4	2.55	27.0	24.0	2.78	28.5	24.9	2.85
	990	14.4	13.3	2.11	18.4	16.9	2.32	22.7	20.7	2.55	27.3	24.3	2.77	28.8	25.3	2.84
	1100	14.6	13.5	2.12	18.6	17.1	2.33	23.0	21.0	2.55	27.7	24.6	2.77	29.2	25.6	2.84
	1225	14.8	13.6	2.14	18.8	17.3	2.34	23.3	21.2	2.56	28.0	24.9	2.77	29.6	25.9	2.84
75	800	13.2	12.2	2.11	17.2	15.8	2.34	21.3	19.4	2.58	25.7	22.8	2.84	27.1	23.8	2.92
	900	13.5	12.4	2.12	17.5	16.1	2.34	21.7	19.8	2.58	26.2	23.2	2.83	27.7	24.2	2.91
	990	13.7	12.6	2.13	17.7	16.3	2.35	22.0	20.0	2.59	26.5	23.6	2.82	28.0	24.6	2.90
	1100	13.9	12.8	2.14	18.0	16.5	2.36	22.3	20.3	2.59	26.9	23.9	2.82	28.4	24.9	2.89
	1225	14.1	13.0	2.15	18.2	16.7	2.37	22.5	20.5	2.60	27.2	24.2	2.82	28.7	25.2	2.89

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				CD3CA	036	0.94	1.03
CC5A/CD5A/CD5BA	036	0.97	1.05		CE3AA	042	0.94
	042	0.97	1.05	036		0.96	1.04
CC5A/CD5A/CD5BW	042	0.97	1.05		042	0.97	1.02
CD5A/CD5BW	036	0.97	1.05	CJ5A/CK5A/CK5BA	042	0.97	1.03
CD3(A,B)A	036	0.97	1.05	CJ5A/CK5A/CK5BW	036	0.97	1.03
	042	0.97	1.05	CK3BA	036	0.97	1.04
CD3CA	036	0.96	1.05		042	0.97	1.03
	042	0.96	1.05	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CE3AA	036	0.97	1.06	CC5A/CD5A/CD5BA	036	0.97	1.04
	042	0.97	1.04		042	0.96	1.04
CJ5A/CK5A/CK5BA	042	0.97	1.05	CC5A/CD5A/CD5BW	042	0.96	1.04
CJ5A/CK5A/CK5BW	036	0.97	1.05	CD5A/CD5BW	036	0.97	1.04
CK3BA	036	0.97	1.06	CD3(A,B)A	036	0.97	1.04
	042	0.97	1.05		042	0.96	1.04
COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				CD3CA	036	0.94	1.04
CC5A/CD5A/CD5BA	036	0.97	1.04		CE3AA	042	0.94
	042	0.96	1.03	036		0.96	1.04
CC5A/CD5A/CD5BW	042	0.96	1.04		042	0.97	1.03
CD5A/CD5BW	036	0.97	1.04	CJ5A/CK5A/CK5BA	042	0.97	1.04
CD3(A,B)A	036	0.97	1.04	CJ5A/CK5A/CK5BW	036	0.97	1.04
	042	0.96	1.03	CK3BA	036	0.97	1.04
	—	—	—		042	0.97	1.04

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F											
		30			37			47			57		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA036-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section													
65	670	15.4	13.5	1.33	17.4	15.9	1.37	20.6	20.6	1.45	24.2	24.2	1.52
	745	15.5	13.6	1.32	17.6	16.1	1.36	20.9	20.9	1.42	24.5	24.5	1.49
	820	15.7	13.8	1.31	17.8	16.2	1.35	21.2	21.2	1.40	24.8	24.8	1.46
	950	15.9	14.0	1.30	18.1	16.5	1.33	21.5	21.5	1.38	25.3	25.3	1.43
	1075	16.1	14.1	1.29	18.3	16.7	1.33	21.8	21.8	1.37	25.6	25.6	1.41
70	670	14.9	13.1	1.37	17.0	15.4	1.42	20.1	20.1	1.50	23.6	23.6	1.58
	745	15.1	13.2	1.36	17.2	15.6	1.41	20.4	20.4	1.48	24.0	24.0	1.55
	820	15.3	13.4	1.35	17.4	15.8	1.40	20.6	20.6	1.46	24.2	24.2	1.53
	950	15.5	13.6	1.34	17.6	16.0	1.38	21.0	21.0	1.44	24.7	24.7	1.49
	1075	15.7	13.7	1.34	17.8	16.2	1.38	21.2	21.2	1.43	25.0	25.0	1.47
75	670	14.5	12.7	1.41	16.5	15.0	1.47	19.6	19.6	1.55	23.0	23.0	1.64
	745	14.7	12.8	1.40	16.7	15.2	1.45	19.9	19.9	1.53	23.4	23.4	1.61
	820	14.8	13.0	1.39	16.9	15.4	1.45	20.1	20.1	1.52	23.7	23.7	1.59
	950	15.0	13.2	1.39	17.2	15.6	1.43	20.4	20.4	1.50	24.1	24.1	1.56
	1075	15.2	13.3	1.38	17.4	15.8	1.43	20.7	20.7	1.48	24.4	24.4	1.54

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4ANF	036	1.02	1.33	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
F(A,B)4AN(F,B)	042	1.02	1.28	CC5A/CD5A/CD5BA	036	0.96	1.08
FC4BN(F,B)	042	1.02	1.28		042	0.96	1.08
FC4BNF	036	1.02	1.33	CC5A/CD5A/CD5BW	042	0.96	1.09
FK4CNB	006	1.00	1.00	CD5A/CD5BW	036	0.96	1.08
FK4CNF	001	0.97	1.09	CD3(A,B)A	036	0.96	1.08
	002	0.98	1.07		042	0.96	1.08
	003	0.97	1.06	CE3AA	036	0.95	1.09
	005	0.99	1.03		042	0.96	1.08
CC5A/CD5A/CD5BA	036	0.99	1.21	CJ5A/CK5A/CK5BA	042	0.99	1.05
	042	0.99	1.21	CJ5A/CK5A/CK5BW	036	0.99	1.05
CC5A/CD5A/CD5BW	042	0.99	1.22	CK3BA	036	0.99	1.05
CD5A/CD5BW	036	0.99	1.21		042	0.99	1.05
CD3(A,B)A	036	0.99	1.21	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
	042	0.99	1.21	CC5A/CD5A/CD5BA	036	0.96	1.09
CE3AA	036	0.99	1.22		042	0.96	1.09
	042	1.00	1.21	CC5A/CD5A/CD5BW	042	0.96	1.09
CF5AA	036	0.97	1.22	CD5A/CD5BW	036	0.96	1.09
CJ5A/CK5A/CK5BA	036	1.04	1.18	CD3(A,B)A	036	0.96	1.09
	042	1.04	1.18		042	0.96	1.09
CJ5A/CK5A/CK5BN	042	1.04	1.18	CE3AA	036	0.93	1.09
	060	1.05	1.16		042	0.96	1.08
CJ5A/CK5A/CK5BW	036	1.04	1.18	CJ5A/CK5A/CK5BA	042	0.99	1.05
CK3BA	036	1.04	1.18	CJ5A/CK5A/CK5BW	036	0.99	1.05
	042	1.04	1.18	CK3BA	036	0.99	1.06
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE						042	0.99
CC5A/CD5A/CD5BA	036	0.96	1.10	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
	042	0.96	1.10	CC5A/CD5A/CD5BA	036	0.94	1.08
CC5A/CD5A/CD5BW	042	0.96	1.11		042	0.94	1.08
CD5A/CD5BW	036	0.96	1.10	CC5A/CD5A/CD5BW	042	0.94	1.08
CD3(A,B)A	036	0.96	1.10	CD5A/CD5BA	036	0.94	1.08
	042	0.96	1.10	CD3(A,B)A	036	0.94	1.08
CE3AA	036	0.96	1.11			042	0.94
	042	0.96	1.09	CD3CA	036	0.94	1.08
CJ5A/CK5A/CK5BA	036	0.99	1.07			042	0.94
CJ5A/CK5A/CK5BN	042	0.99	1.07	CE3AA	036	0.94	1.09
CK3BA	036	0.99	1.07			042	0.94
	042	0.99	1.07	CJ5A/CK5A/CK5BA	036	0.97	1.06
	—	—	—	CK3AA	036	0.97	1.06
					042	0.97	1.06

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F											
		30			37			47			57		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA036-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section continued													
65	670	15.4	13.5	1.33	17.4	15.9	1.37	20.6	20.6	1.45	24.2	24.2	1.52
	745	15.5	13.6	1.32	17.6	16.1	1.36	20.9	20.9	1.42	24.5	24.5	1.49
	820	15.7	13.8	1.31	17.8	16.2	1.35	21.2	21.2	1.40	24.8	24.8	1.46
	950	15.9	14.0	1.30	18.1	16.5	1.33	21.5	21.5	1.38	25.3	25.3	1.43
	1075	16.1	14.1	1.29	18.3	16.7	1.33	21.8	21.8	1.37	25.6	25.6	1.41
70	670	14.9	13.1	1.37	17.0	15.4	1.42	20.1	20.1	1.50	23.6	23.6	1.58
	745	15.1	13.2	1.36	17.2	15.6	1.41	20.4	20.4	1.48	24.0	24.0	1.55
	820	15.3	13.4	1.35	17.4	15.8	1.40	20.6	20.6	1.46	24.2	24.2	1.53
	950	15.5	13.6	1.34	17.6	16.0	1.38	21.0	21.0	1.44	24.7	24.7	1.49
	1075	15.7	13.7	1.34	17.8	16.2	1.38	21.2	21.2	1.43	25.0	25.0	1.47
75	670	14.5	12.7	1.41	16.5	15.0	1.47	19.6	19.6	1.55	23.0	23.0	1.64
	745	14.7	12.8	1.40	16.7	15.2	1.45	19.9	19.9	1.53	23.4	23.4	1.61
	820	14.8	13.0	1.39	16.9	15.4	1.45	20.1	20.1	1.52	23.7	23.7	1.59
	950	15.0	13.2	1.39	17.2	15.6	1.43	20.4	20.4	1.50	24.1	24.1	1.56
	1075	15.2	13.3	1.38	17.4	15.8	1.43	20.7	20.7	1.48	24.4	24.4	1.54

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE				CD3CA	036	0.95	1.06
CC5A/CD5A/CD5BA	036	0.94	1.07		042	0.95	1.06
	042	0.94	1.06	CE3AA	036	0.95	1.07
CC5A/CD5A/CD5BW	042	0.94	1.06		042	0.96	1.05
CD5A/CD5BW	036	0.94	1.07	CJ5A/CK5A/CK5BA	042	0.99	1.03
CD3(A,B)A	036	0.94	1.07	CJ5A/CK5A/CK5BW	036	0.99	1.03
	042	0.94	1.06	CK3BA	036	0.99	1.04
CD3CA	036	0.94	1.06		042	0.99	1.03
	042	0.94	1.07	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CE3AA	036	0.94	1.07	CC5A/CD5A/CD5BA	036	0.96	1.06
	042	0.94	1.05		042	0.96	1.05
CJ5A/CK5A/CK5BA	042	0.99	1.03	CC5A/CD5A/CD5BW	042	0.95	1.06
CJ5A/CK5A/CK5BW	036	0.99	1.03	CD5A/CD5BW	036	0.96	1.06
CK3BA	036	0.99	1.04	CD3(A,B)A	036	0.96	1.06
	042	0.99	1.03		042	0.96	1.05
COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE				CD3CA	036	0.95	1.05
CC5A/CD5A/CD5BA	036	0.96	1.06		042	0.95	1.05
	042	0.96	1.06	CE3AA	036	0.95	1.06
CC5A/CD5A/CD5BW	042	0.95	1.06		042	0.96	1.04
CD5A/CD5BW	036	0.96	1.06	CJ5A/CK5A/CK5BA	042	0.99	1.03
CD3(A,B)A	036	0.96	1.06	CJ5A/CK5A/CK5BW	036	0.99	1.03
	042	0.96	1.06	CK3BA	036	0.99	1.03
	—	—	—		042	0.99	1.03

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F														
		-3			7			17			27			33		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA048-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section																
65	1070	16.7	15.4	2.56	22.3	20.5	2.86	27.9	25.4	3.18	33.5	29.8	3.49	37.4	32.2	3.70
	1200	17.1	15.7	2.59	22.8	20.9	2.89	28.3	25.8	3.20	34.1	30.3	3.50	38.0	32.7	3.69
	1325	17.4	16.0	2.62	23.1	21.3	2.92	28.7	26.2	3.22	34.5	30.7	3.50	38.5	33.1	3.68
	1470	17.8	16.3	2.65	23.5	21.6	2.95	29.1	26.5	3.24	34.9	31.0	3.51	38.9	33.5	3.68
	1625	18.1	16.6	2.69	23.8	21.9	2.98	29.5	26.9	3.26	35.3	31.4	3.52	39.3	33.9	3.69
70	1070	15.5	14.3	2.55	21.2	19.5	2.87	26.9	24.5	3.21	32.5	28.9	3.54	36.4	31.4	3.76
	1200	15.9	14.6	2.58	21.7	19.9	2.90	27.4	25.0	3.23	33.1	29.4	3.55	37.1	31.9	3.76
	1325	16.2	14.9	2.61	22.1	20.3	2.93	27.8	25.3	3.25	33.6	29.8	3.56	37.6	32.4	3.76
	1470	16.5	15.2	2.65	22.4	20.6	2.96	28.2	25.7	3.27	34.0	30.2	3.57	38.0	32.8	3.76
	1625	16.8	15.5	2.68	22.8	21.0	2.99	28.6	26.0	3.30	34.5	30.6	3.59	38.5	33.1	3.77
75	1070	14.5	13.3	2.56	20.0	18.4	2.87	25.9	23.6	3.22	31.5	28.0	3.58	35.4	30.5	3.81
	1200	14.8	13.6	2.59	20.5	18.8	2.90	26.4	24.1	3.25	32.1	28.5	3.59	36.1	31.1	3.81
	1325	15.1	13.8	2.61	20.9	19.2	2.93	26.8	24.4	3.27	32.6	29.0	3.60	36.6	31.5	3.82
	1470	15.3	14.1	2.65	21.3	19.6	2.96	27.2	24.8	3.30	33.1	29.4	3.62	37.1	31.9	3.83
	1625	15.6	14.4	2.68	21.6	19.9	3.00	27.6	25.2	3.33	33.5	29.8	3.64	37.5	32.3	3.84

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4AN(F,B)	048	1.00	1.08	CJ5A/CK5A/CK5BX	060	1.00	1.05
	060	1.00	1.09	CK3BA	048	0.98	1.08
FB4ANB	070	1.01	1.05		060	0.99	1.08
FC4BN(F,B)	048	1.00	1.08	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
	060	1.00	1.09	CC5A/CD5A/CD5BA	060	0.96	1.05
FC4BNB	070	1.01	1.05	CC5A/CD5A/CD5BC	048	0.95	1.06
FK4CNB	006	1.00	1.00	CC5A/CD5A/CD5BW	048	0.96	1.05
FK4CNF	005	0.95	1.07		060	0.96	1.03
CC5A/CD5A/CD5BA	060	0.98	1.08	CD5A/CD5BA	048	0.96	1.05
CC5A/CD5A/CD5BW	048	0.98	1.08	CD3(A,B)A	048	0.96	1.05
	060	0.99	1.07		060	0.96	1.05
CD5A/CD5BA	048	0.98	1.08	CD3CA	048	0.96	1.04
CD3(A,B)A	048	0.98	1.08		060	0.96	1.02
	060	0.98	1.08	CE3AA	048	0.96	1.01
CE3AA	048	0.98	1.08		060	0.96	1.03
	060	0.99	1.06	CJ5A/CK5A/CK5BA	048	0.97	1.07
CF5AA	048	0.98	1.08	CK3BA	048	0.97	1.05
CJ5A/CK5A/CK5BA	048	0.99	1.09		060	0.97	1.06
	060	0.99	1.09	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
CJ5A/CK5A/CK5BN	060	1.00	1.08	CC5A/CD5A/CD5BA	060	0.94	1.02
CJ5A/CK5A/CK5BW	048	0.99	1.09	CC5A/CD5A/CD5BC	048	0.94	1.03
CJ5A/CK5A/CK5BX	060	0.99	1.07	CC5A/CD5A/CD5BW	048	0.94	1.02
CK3BA	048	0.99	1.09		060	0.96	0.99
	060	0.99	1.09	CD5A/CD5BA	048	0.94	1.01
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CD3(A,B)A	048	0.94	1.01
CC5A/CD5A/CD5BA	060	0.99	1.06		060	0.94	1.02
CC5A/CD5A/CD5BW	048	0.98	1.06	CD3CA	048	0.94	1.01
	060	0.99	1.03		060	0.96	0.99
CD5A/CD5BA	048	0.98	1.06	CE3AA	048	0.94	1.01
CD3(A,B)A	048	0.98	1.06		060	0.96	0.99
	060	0.98	1.06	CJ5A/CK5A/CK5BA	060	0.95	1.03
CE3AA	048	0.98	1.07	CJ5A/CK5A/CK5BW	048	0.95	1.03
	060	0.98	1.05	CJ5A/CK5A/CK5BX	060	0.97	1.01
CJ5A/CK5A/CK5BA	048	0.99	1.08	CK3BA	048	0.95	1.03
	060	0.99	1.08		060	0.95	1.03
CJ5A/CK5A/CK5BN	060	1.00	1.06		—	—	—

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F														
		-3			7			17			27			33		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA048-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section continued																
65	1070	16.7	15.4	2.56	22.3	20.5	2.86	27.9	25.4	3.18	33.5	29.8	3.49	37.4	32.2	3.70
	1200	17.1	15.7	2.59	22.8	20.9	2.89	28.3	25.8	3.20	34.1	30.3	3.50	38.0	32.7	3.69
	1325	17.4	16.0	2.62	23.1	21.3	2.92	28.7	26.2	3.22	34.5	30.7	3.50	38.5	33.1	3.68
	1470	17.8	16.3	2.65	23.5	21.6	2.95	29.1	26.5	3.24	34.9	31.0	3.51	38.9	33.5	3.68
	1625	18.1	16.6	2.69	23.8	21.9	2.98	29.5	26.9	3.26	35.3	31.4	3.52	39.3	33.9	3.69
70	1070	15.5	14.3	2.55	21.2	19.5	2.87	26.9	24.5	3.21	32.5	28.9	3.54	36.4	31.4	3.76
	1200	15.9	14.6	2.58	21.7	19.9	2.90	27.4	25.0	3.23	33.1	29.4	3.55	37.1	31.9	3.76
	1325	16.2	14.9	2.61	22.1	20.3	2.93	27.8	25.3	3.25	33.6	29.8	3.56	37.6	32.4	3.76
	1470	16.5	15.2	2.65	22.4	20.6	2.96	28.2	25.7	3.27	34.0	30.2	3.57	38.0	32.8	3.76
	1625	16.8	15.5	2.68	22.8	21.0	2.99	28.6	26.0	3.30	34.5	30.6	3.59	38.5	33.1	3.77
75	1070	14.5	13.3	2.56	20.0	18.4	2.87	25.9	23.6	3.22	31.5	28.0	3.58	35.4	30.5	3.81
	1200	14.8	13.6	2.59	20.5	18.8	2.90	26.4	24.1	3.25	32.1	28.5	3.59	36.1	31.1	3.81
	1325	15.1	13.8	2.61	20.9	19.2	2.93	26.8	24.4	3.27	32.6	29.0	3.60	36.6	31.5	3.82
	1470	15.3	14.1	2.65	21.3	19.6	2.96	27.2	24.8	3.30	33.1	29.4	3.62	37.1	31.9	3.83
	1625	15.6	14.4	2.68	21.6	19.9	3.00	27.6	25.2	3.33	33.5	29.8	3.64	37.5	32.3	3.84

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				CD3CA	048	0.94	1.02
CC5A/CD5A/CD5BA	060	0.94	1.03		060	0.96	1.00
CC5A/CD5A/CD5BC	048	0.94	1.04	CE3AA	048	0.94	1.02
CC5A/CD5A/CD5BW	048	0.94	1.03		060	0.96	1.01
	060	0.96	1.01	CJ5A/CK5A/CK5BA	060	0.95	1.03
CD5A/CD5BA	048	0.94	1.02	CJ5A/CK5A/CK5BW	048	0.95	1.04
CD3(A,B)A	048	0.94	1.02	CJ5A/CK5A/CK5BX	060	0.97	1.02
	060	0.94	1.03	CK3BA	048	0.95	1.04
	—	—	—		060	0.95	1.03

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F											
		33			37			47			57		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA048-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section													
65	895	21.4	18.4	1.81	23.0	20.9	1.85	27.1	27.1	1.93	31.7	31.7	2.01
	995	21.7	18.7	1.80	23.3	21.2	1.84	27.4	27.4	1.91	32.1	32.1	1.97
	1095	21.9	18.9	1.80	23.5	21.4	1.83	27.7	27.7	1.89	32.5	32.5	1.95
	1200	22.1	19.0	1.80	23.7	21.6	1.82	27.9	27.9	1.87	32.8	32.8	1.92
	1325	22.3	19.2	1.79	23.9	21.8	1.82	28.2	28.2	1.86	33.2	33.2	1.90
	1450	22.5	19.4	1.80	24.1	21.9	1.81	28.4	28.4	1.85	33.4	33.4	1.89
70	895	20.7	17.8	1.87	22.4	20.4	1.91	26.5	26.5	2.0	31.0	31.0	2.10
	995	21.0	18.1	1.86	22.7	20.6	1.90	26.8	26.8	1.98	31.4	31.4	2.06
	1095	21.3	18.3	1.86	22.9	20.9	1.89	27.1	27.1	1.96	31.8	31.8	2.03
	1200	21.5	18.5	1.85	23.1	21.1	1.88	27.3	27.3	1.95	32.1	32.1	2.01
	1325	21.7	18.7	1.85	23.4	21.2	1.88	27.6	27.6	1.94	32.4	32.4	1.99
	1450	21.9	18.9	1.86	23.5	21.4	1.88	27.8	27.8	1.93	32.7	32.7	1.98
75	895	20.0	17.2	1.92	21.7	19.7	1.97	25.9	25.9	2.07	30.3	30.3	2.18
	995	20.3	17.5	1.92	22.0	20.0	1.96	26.2	26.2	2.05	30.8	30.8	2.14
	1095	20.5	17.7	1.91	22.3	20.2	1.95	26.5	26.5	2.04	31.1	31.1	2.12
	1200	20.8	17.9	1.91	22.5	20.5	1.95	26.7	26.7	2.03	31.4	31.4	2.10
	1325	21.0	18.1	1.91	22.7	20.7	1.95	27.0	27.0	2.02	31.7	31.7	2.08
	1450	21.2	18.3	1.92	23.0	20.9	1.95	27.2	27.2	2.01	32.0	32.0	2.06

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4AN(F,B)	048	1.00	1.26	CJ5A/CK5A/CK5BX	060	0.98	1.02
	060	1.00	1.30	CK3BA	048	0.97	1.04
FB4ANB	070	1.07	1.24		060	0.97	1.04
FC4BN(F,B)	048	1.00	1.26	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
	060	1.00	1.30	CC5A/CD5A/CD5BA	060	0.96	0.96
FC4BNB	070	1.07	1.24	CC5A/CD5A/CD5BC	048	0.96	0.96
FK4CNB	006	1.00	1.00	CC5A/CD5A/CD5BW	048	0.96	0.96
FK4CNF	005	0.97	1.02		060	0.96	0.96
CC5A/CD5A/CD5BA	060	1.00	1.16	CD5A/CD5BA	048	0.96	0.96
CC5A/CD5A/CD5BW	048	1.00	1.16	CD3(A,B)A	048	0.96	0.96
	060	1.00	1.14		060	0.96	0.96
CD5A/CD5BA	048	1.00	1.16	CD3CA	048	0.96	0.96
CD3(A,B)A	048	1.00	1.16		060	0.96	0.96
	060	1.00	1.16	CE3AA	048	0.96	0.95
CE3AA	048	1.00	1.16		060	0.96	0.96
	060	1.00	1.14	CJ5A/CK5A/CK5BA	048	0.96	1.04
CF5AA	048	1.00	1.17	CK3A	048	0.96	1.04
CJ5A/CK5A/CK5BA	048	1.01	1.15		060	0.96	1.04
	060	1.01	1.15	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
CJ5A/CK5A/CK5BN	060	1.02	1.14	CC5A/CD5A/CD5BA	060	0.95	1.04
CJ5A/CK5A/CK5BW	048	1.01	1.15	CC5A/CD5A/CD5BC	048	0.95	1.05
CJ5A/CK5A/CK5BX	060	1.02	1.14	CC5A/CD5A/CD5BW	048	0.95	1.03
CK3BA	048	1.01	1.15		060	0.96	1.02
	060	1.01	1.15	CD5A/CD5BA	048	0.95	1.03
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CD3(A,B)A	048	0.95	1.03
CC5A/CD5A/CD5BA	060	0.97	1.04		060	0.95	1.04
CC5A/CD5A/CD5BW	048	0.96	1.04	CD3CA	048	0.95	1.03
	060	0.97	1.02		060	0.96	1.02
CD5A/CD5BA	048	0.96	1.04	CE3AA	048	0.95	1.03
CD3(A,B)A	048	0.96	1.04		060	0.96	1.01
	060	0.96	1.04	CJ5A/CK5A/CK5BA	060	0.97	1.02
CE3AA	048	0.96	1.06	CJ5A/CK5A/CK5BW	048	0.97	1.03
	060	0.96	1.04	CJ5A/CK5A/CK5BX	060	0.98	1.01
CJ5A/CK5A/CK5BA	048	0.97	1.05	CK3BA	048	0.97	1.03
	060	0.97	1.04		060	0.97	1.02
CJ5A/CK5A/CK5BN	060	0.98	1.03		—	—	—

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F											
		33			37			47			57		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA048-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section continued													
65	895	21.4	18.4	1.81	23.0	20.9	1.85	27.1	27.1	1.93	31.7	31.7	2.01
	995	21.7	18.7	1.80	23.3	21.2	1.84	27.4	27.4	1.91	32.1	32.1	1.97
	1095	21.9	18.9	1.80	23.5	21.4	1.83	27.7	27.7	1.89	32.5	32.5	1.95
	1200	22.1	19.0	1.80	23.7	21.6	1.82	27.9	27.9	1.87	32.8	32.8	1.92
	1325	22.3	19.2	1.79	23.9	21.8	1.82	28.2	28.2	1.86	33.2	33.2	1.90
	1450	22.5	19.4	1.80	24.1	21.9	1.81	28.4	28.4	1.85	33.4	33.4	1.89
70	895	20.7	17.8	1.87	22.4	20.4	1.91	26.5	26.5	2.0	31.0	31.0	2.10
	995	21.0	18.1	1.86	22.7	20.6	1.90	26.8	26.8	1.98	31.4	31.4	2.06
	1095	21.3	18.3	1.86	22.9	20.9	1.89	27.1	27.1	1.96	31.8	31.8	2.03
	1200	21.5	18.5	1.85	23.1	21.1	1.88	27.3	27.3	1.95	32.1	32.1	2.01
	1325	21.7	18.7	1.85	23.4	21.2	1.88	27.6	27.6	1.94	32.4	32.4	1.99
	1450	21.9	18.9	1.86	23.5	21.4	1.88	27.8	27.8	1.93	32.7	32.7	1.98
75	895	20.0	17.2	1.92	21.7	19.7	1.97	25.9	25.9	2.07	30.3	30.3	2.18
	995	20.3	17.5	1.92	22.0	20.0	1.96	26.2	26.2	2.05	30.8	30.8	2.14
	1095	20.5	17.7	1.91	22.3	20.2	1.95	26.5	26.5	2.04	31.1	31.1	2.12
	1200	20.8	17.9	1.91	22.5	20.5	1.95	26.7	26.7	2.03	31.4	31.4	2.10
	1325	21.0	18.1	1.91	22.7	20.7	1.95	27.0	27.0	2.02	31.7	31.7	2.08
	1450	21.2	18.3	1.92	23.0	20.9	1.95	27.2	27.2	2.01	32.0	32.0	2.06

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE				CD3CA	048	0.95	1.03
CC5A/CD5A/CD5BA	060	0.95	1.03		060	0.96	1.00
CC5A/CD5A/CD5BC	048	0.95	1.04	CE3AA	048	0.95	1.02
CC5A/CD5A/CD5BW	048	0.95	1.03		060	0.96	1.00
	060	0.96	1.01	CJ5A/CK5A/CK5BA	060	0.97	1.02
CD5A/CD5BA	048	0.95	1.03	CJ5A/CK5A/CK5BW	048	0.97	1.02
CD3(A,B)A	048	0.95	1.03	CJ5A/CK5A/CK5BX	060	0.98	1.00
	060	0.95	1.03	CK3BA	048	0.97	1.02
	—	—	—		060	0.97	1.02

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F														
		-3			7			17			27			40		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA060-30 Outdoor Section in High-Speed With FK4CNB006 Indoor Section																
65	1325	22.5	20.7	3.13	28.1	25.8	3.45	34.1	31.1	3.79	40.7	36.1	4.15	50.7	50.7	4.69
	1500	22.9	21.1	3.18	28.5	26.2	3.50	34.7	31.6	3.83	41.4	36.7	4.18	51.6	51.6	4.69
	1650	23.2	21.4	3.22	28.9	26.5	3.54	35.1	32.0	3.87	41.9	37.2	4.20	52.2	52.2	4.71
	1835	23.6	21.7	3.28	29.3	26.9	3.59	35.6	32.4	3.91	42.4	37.7	4.24	52.9	52.9	4.73
	2025	24.0	22.0	3.34	29.6	27.2	3.65	36.0	32.8	3.96	42.9	38.1	4.29	53.4	53.4	4.77
70	1325	21.6	19.9	3.16	27.2	25.0	3.49	33.2	30.2	3.85	39.6	35.2	4.22	49.5	49.5	4.77
	1500	22.0	20.2	3.21	27.7	25.4	3.54	33.7	30.8	3.89	40.3	35.8	4.25	50.4	50.4	4.78
	1650	22.3	20.5	3.25	28.0	25.8	3.58	34.2	31.1	3.92	40.8	36.3	4.28	51.0	51.0	4.80
	1835	22.7	20.9	3.31	28.4	26.1	3.63	34.6	31.5	3.97	41.4	36.7	4.31	51.7	51.7	4.82
	2025	23.1	21.2	3.37	28.8	26.5	3.69	35.0	31.9	4.02	41.9	37.2	4.36	52.2	52.2	4.86
75	1325	20.6	19.0	3.18	26.4	24.3	3.53	32.3	29.4	3.90	38.6	34.3	4.28	48.3	48.3	4.86
	1500	21.1	19.4	3.23	26.9	24.7	3.57	32.8	29.9	3.94	39.3	34.9	4.31	49.2	49.2	4.87
	1650	21.4	19.7	3.28	27.2	25.0	3.62	33.2	30.3	3.97	39.8	35.3	4.34	49.8	49.8	4.89
	1835	21.8	20.0	3.34	27.6	25.4	3.67	33.7	30.7	4.02	40.3	35.8	4.38	50.5	50.5	4.91
	2025	22.1	20.3	3.40	28.0	25.7	3.73	34.1	31.1	4.07	40.8	36.2	4.43	51.0	51.0	4.95

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4AN(F,B)	060	1.00	1.05	CJ5A/CK5A/CK5BX	060	0.98	1.01
FB4ANB	070	1.00	1.01	CK3BA	060	0.97	1.03
FC4BN(F,B)	060	1.00	1.05	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
FC4BNB	070	1.00	1.01	CC5A/CD5A/CD5BA	060	0.95	1.01
FK4CNB	006	1.00	1.00	CC5A/CD5A/CD5BW	060	0.97	0.98
CC5A/CD5A/CD5BA	060	0.95	1.04	CD3(A,B)A	060	0.95	1.01
CC5A/CD5A/CD5BW	060	0.98	1.02	CD3CA	060	0.97	0.97
CD3(A,B)A	060	0.95	1.04	CE3AA	060	0.97	0.99
CE3AA	060	0.96	1.02	CJ5A/CK5A/CK5BA	060	0.98	1.04
CJ5A/CK5A/CK5BA	060	0.99	1.05	CJ5A/CK5A/CK5BX	060	0.99	1.01
CJ5A/CK5A/CK5BN	060	1.01	1.04	CK3BA	060	0.98	1.04
CJ5A/CK5A/CK5BX	060	1.01	1.04	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CK3BA	060	0.99	1.05	CC5A/CD5A/CD5BA	060	0.95	1.02
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CC5A/CD5A/CD5BW	060	0.97	0.99
CC5A/CD5A/CD5BA	060	0.91	1.02	CD3(A,B)A	060	0.95	1.03
CC5A/CD5A/CD5BW	060	0.93	0.99	CD3CA	060	0.97	0.98
CD3(A,B)A	060	0.91	1.02	CE3AA	060	0.97	1.00
CE3AA	060	0.93	1.00	CJ5A/CK5A/CK5BA	060	0.98	1.05
CJ5A/CK5A/CK5BA	060	0.97	1.03	CJ5A/CK5A/CK5BX	060	0.99	1.03
CJ5A/CK5A/CK5BN	060	0.98	1.02	CK3BA	060	0.98	1.05

See notes on pg. 30.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F								
		40			47			57		
EDB	CFM	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*	Capacity MBtuh		Total Power Kw*
		Total	Integ†		Total	Integ†		Total	Integ†	
38YDA060-30 Outdoor Section in Low-Speed With FK4CNB006 Indoor Section										
65	1115	28.9	28.9	2.08	32.1	32.1	2.10	37.0	37.0	2.12
	1240	29.1	29.1	2.06	32.4	32.4	2.07	37.4	37.4	2.07
	1365	29.4	29.4	2.05	32.6	32.6	2.05	37.7	37.7	2.03
	1500	29.6	29.6	2.04	32.8	32.8	2.03	38.0	38.0	2.00
	1625	29.8	29.8	2.04	33.0	33.0	2.02	38.2	38.2	1.98
	1750	29.9	29.9	2.04	33.2	33.2	2.02	38.4	38.4	1.97
70	1115	28.3	28.3	2.18	31.5	31.5	2.21	36.4	36.4	2.25
	1240	28.6	28.6	2.16	31.8	31.8	2.19	36.8	36.8	2.21
	1365	28.8	28.8	2.15	32.1	32.1	2.17	37.1	37.1	2.17
	1500	29.0	29.0	2.14	32.3	32.3	2.15	37.4	37.4	2.15
	1625	29.2	29.2	2.14	32.5	32.5	2.14	37.6	37.6	2.13
	1750	29.4	29.4	2.14	32.7	32.7	2.14	37.8	37.8	2.11
75	1115	27.7	27.7	2.27	30.9	30.9	2.32	35.7	35.7	2.37
	1240	28.0	28.0	2.25	31.2	31.2	2.29	36.1	36.1	2.33
	1365	28.2	28.2	2.24	31.5	31.5	2.28	36.5	36.5	2.30
	1500	28.5	28.5	2.24	31.7	31.7	2.26	36.8	36.8	2.28
	1625	28.6	28.6	2.24	31.9	31.9	2.26	37.0	37.0	2.26
	1750	28.8	28.8	2.24	32.1	32.1	2.26	37.2	37.2	2.25

Multipliers for Determining the Performance With Other Indoor Sections

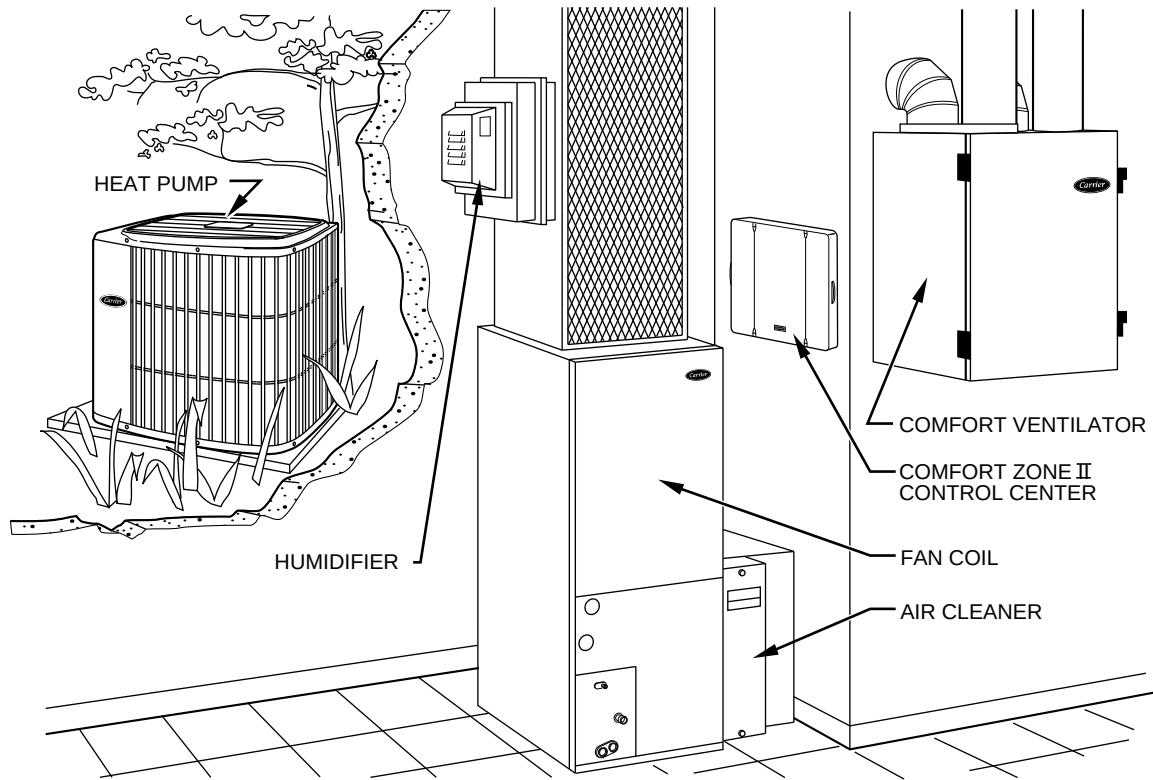
Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
F(A,B)4AN(F,B)	060	1.07	1.28	CJ5A/CK5A/CK5BX	060	0.97	1.04
FB4ANB	070	1.07	1.20	CK3BA	060	0.97	1.06
FC4BN(F,B)	060	1.07	1.28	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
FC4BNB	070	1.07	1.20	CC5A/CD5A/CD5BA	060	0.94	1.05
FK4CNB	006	1.00	1.00	CC5A/CD5A/CD5BW	060	0.95	1.02
CC5A/CD5A/CD5BW	060	0.97	1.14	CD3(A,B)A	060	0.94	1.05
CD5A/CD5A/CD5BA	060	0.97	1.17	CD3CA	060	0.95	1.02
CD3(A,B)A	060	0.97	1.17	CE3AA	060	0.95	1.02
CE3AA	060	0.97	1.14	CJ5A/CK5A/CK5BA	060	0.98	1.04
CJ5A/CK5A/CK5BA	060	1.00	1.15	CJ5A/CK5A/CK5BX	060	0.99	1.02
CJ5A/CK5A/CK5BN	060	1.01	1.14	CK3BA	060	0.98	1.04
CJ5A/CK5A/CK5BX	060	1.01	1.14	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CK3BA	060	1.00	1.15	CC5A/CD5A/CD5BA	060	0.94	1.05
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CC5A/CD5A/CD5BW	060	0.95	1.03
CC5A/CD5A/CD5BA	060	0.93	1.08	CD3(A,B)A	060	0.94	1.05
CC5A/CD5A/CD5BW	060	0.94	1.04	CD3CA	060	0.95	1.02
CD3(A,B)A	060	0.93	1.08	CE3AA	060	0.95	1.02
CE3AA	060	0.94	1.05	CJ5A/CK5A/CK5BA	060	0.98	1.05
CJ5A/CK5A/CK5BA	060	0.97	1.06	CJ5A/CK5A/CK5BX	060	0.98	1.03
CJ5A/CK5A/CK5BN	060	0.97	1.05	CK3BA	060	0.98	1.05

* The kw values include the compressor, outdoor fan motor, and indoor blower motor. The kw from supplement heaters should be added to these values to obtain total system kilowatts.

† The Btuh heating capacity values shown are net "integrated" values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

EDB — Entering Dry Bulb

Matched system



A97114

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 in cooling mode is 55°F (12.8°C).
3. Minimum outdoor operating air temperature in heating mode is -30°F (-34.4°C).
4. Maximum outdoor operating air temperature in heating mode is 66°F (18.9°C).
5. Low-ambient operation accessory is not available.
6. Maximum outdoor operating air temperature is 125°F (51.7°C).
7. For reliable operation, unit should be level in all horizontal planes.
8. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 50 ft, indoor coil below = 100 ft.
9. Interconnecting refrigerant tubing is limited to a maximum equivalent of 100 ft.
10. Not more than 3 ft of refrigerant tube should be buried in the ground. If necessary to bury tubes under a sidewalk, provide a minimum 6-in. vertical rise to the valve connections at the unit.
11. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
12. Must be installed with factory-supplied hard shutoff, balanced port TXV (field installed) except for FK and FC Fan Coil units. (Bi-flow, hard shutoff, balanced port TXVs are factory 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.

CALL FOR FREE CATALOG 1-800-962-9212

☐ Packaged Service Training

☐ Classroom Service Training

A94328

