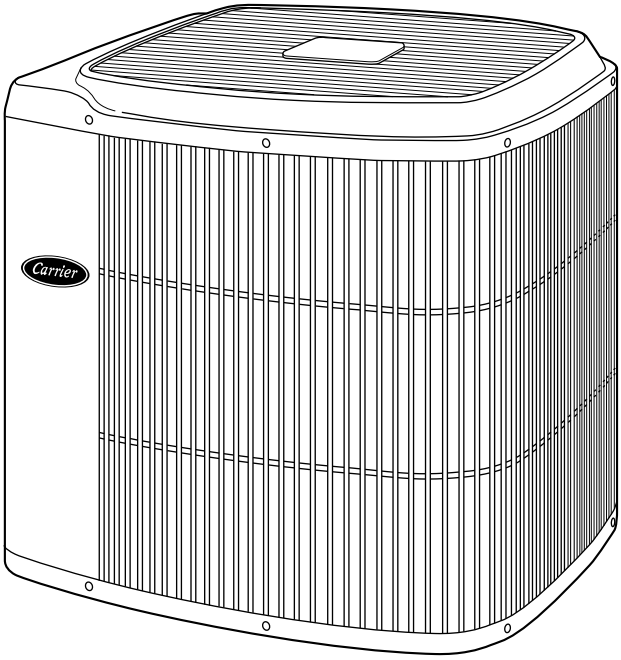
HEATING & COOLING

Product Data

38TRA (60 Hz) Air Conditioner

Sizes 018 thru 060



The 38TRA achieves energy-efficient cooling performance up to 14 SEER when used with components as designated by manufacturer. All models are listed with UL, ARI, c-UL, and CEC.

The Tech 2000 Silencer System features the InViroFlow design, energy-efficient fan and motor, advanced sound hood, and compressor vibration isolator plate.

InViroFlow Design for improved airflow pattern requiring less energy.

Energy-Efficient Fan and Fan Motor adds to quiet operation while moving air more efficiently.

Sound Hood to muffle noise from operation.

Compressor Vibration Isolator Plate eliminates compressor vibration transmission to the base pan thus ensuring quiet operation.

FEATURES/BENEFITS

Electrical Range — All units are offered in 208/230v single phase only.

Wide Range of Sizes — Available in 7 nominal sizes from 018 through 060 to meet the needs of residential and light commercial 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 cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

Totally Enclosed Fan Motor — Means greater reliability under rain conditions, and dependable performance for many years.

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Permanent-split-capacitor-type motors provide more economical operation.

Unit Design — Copper tube, enhanced aluminum fin coil is designed for optimum heat transfer. Vertical air discharge carries sound and hot condenser air up and away from adjacent patio areas and foliage. Heat pump style drain pan for easy removal of water, dirt, and leaves.

Application Versatility — The 38TRA can be combined with a wide variety of evaporator coils and blower packages to provide quiet, dependable comfort. Unit can be installed on a roof or at ground level.

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

Easy Serviceability — One access panel provides access to electrical control box and compressor.

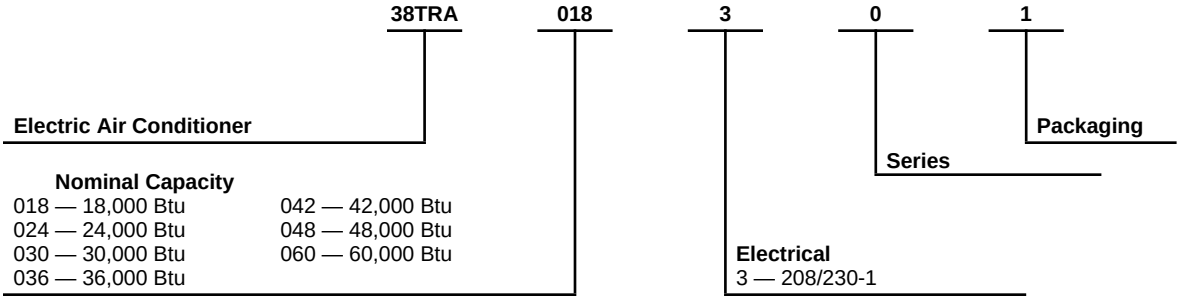
Removal of top gives access to coil. Removal of wire grille gives access to fan motor.

Compressor Protection — Each scroll compressor motor is protected with internal temperature- and current-sensitive overloads. For improved serviceability each compressor (018-042) is equipped with a compressor terminal plug.

Sound Hood — A thick, sound dampening material wrapped around the compressor, to muffle operational noise.

Limited Warranty — Standard 1 year on parts, with an additional 9 year on compressor.

Model number nomenclature



The data in this publication is displayed for all series, however every series may not be available from manufacturer.

Physical data

UNIT SIZE-SERIES	018-0, 1	024-1, 2	030-1, 2	036-1, 3	042-1, 3	048-1, 3	060-1, 3
Operating Weight (Lb)	151	190	200	210	230	264	268
COMPRESSOR							
Manufacturer and Type	Copeland Scroll						
REFRIGERANT	22						
Control	AccuRater® (Bypass Type)						
CHARGE (Lb)	4.28 / 4.25	4.88 / 5.25	5.76 / 6.25	6.63 / 6.25	8.13 / 7.00	10.50	11.00
COND FAN	Propeller Type, Direct Drive						
Air Discharge	Vertical						
Air Qty (CFM)	1600	2000		3000			3300
COND COIL	Copper Tube, Aluminum Plate Fin						
Face Area (Sq ft)	10.9	12.2	15.2	18.3/15.2	15.2/18.3	18.3	18.3
VALVE CONNECT. (In. ID)	Sweat						
Vapor	5/8		3/4			7/8	
Liquid	3/8						
REFRIG TUBES* (In. OD)							
Vapor	5/8		3/4		7/8		1-1/8
Liquid	3/8						

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

NOTE See unit Installation Instructions for proper installation.

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

CERTIFICATION OF MANUFACTURING SITE.

METERING DEVICE

UNIT SIZE - SERIES	PISTON* IDENTIFICATION NO.
018-0, 1	55
024-1, 2	61
030-1, 2	67
036-1, 3	76
042-1, 3	84, 82
048-1, 3	90
060-1, 3	101

* Piston listed is for any approved non-capillary tube coil combination. Piston is shipped with outdoor unit and must be installed in approved indoor coil.

Accessories

ORDERING NO.	DESCRIPTION
KSASF0101AAA	Support Feet — All Sizes
KSAHS0401AAA	Start Assist — Capacitor/Relay — All Sizes
KAACS0201PTC	Start Assist — PTC — All Sizes
Standard	Liquid Solenoid Valve — Sizes 018 (30); 024–060 (31)
KAALS0101LLS	Liquid Solenoid Valve — Sizes 018 (31); 024–030 (32); 036–060 (33)
Standard	Cycle Protector — Sizes 018 (30); 024–030 (31); 036–060 (31)
KSACY0101AAA	Cycle Protector — Sizes 018 (31); 024–030 (32); 036–060 (33)
P251-0083 (RCD)	Low-Ambient Controller — All Sizes
KAAWS0101AAA†	Winter Start Control — All Sizes
KAAFT0101AAA†	Evaporator Freeze Thermostat — All Sizes
KSAHI0101HPS	High-Pressure Switch — All Sizes
KAALP0101LPS	Low-Pressure Switch — All Sizes
KAATD0101TDR	Time-Delay Relay — All Sizes
KAACF0601SML	Coastal Filter — Size 018
KAACF0201MED	Coastal Filter — Sizes 024–060
KAACH1201AAA	Crankcase Heater — All Sizes
Standard	Sound Hood — All Sizes
KAATX0201RPB	Thermostatic Expansion Valve (RPB) — Size 018
KAATX0301RPB	Thermostatic Expansion Valve (RPB) — Size 024
KAATX0401RPB	Thermostatic Expansion Valve (RPB) — Size 030
KAATX0501RPB	Thermostatic Expansion Valve (RPB) — Sizes 036, 042
KAATX0601RPB	Thermostatic Expansion Valve (RPB) — Size 048
KAATX0701RPB	Thermostatic Expansion Valve (RPB) — Size 060
KAATX0901HSO*	Thermostatic Expansion Valve (Hard Shut-Off) — Size 018
KAATX1001HSO*	Thermostatic Expansion Valve (Hard Shut-off) — Size 024
KAATX1101HSO*	Thermostatic Expansion Valve (Hard Shut-off) — Size 030
KAATX1201HSO*	Thermostatic Expansion Valve (Hard Shut-off) — Sizes 036, 042
KAATX1301HSO*	Thermostatic Expansion Valve (Hard Shut-off) — Size 048
KAATX1401HSO*	Thermostatic Expansion Valve (Hard Shut-off) — Size 060
P502-8083S (RCD)	Filter Drier — Sizes 018–036
P502-8163S (RCD)	Filter Drier — Sizes 042–060
32LT660004‡ (RCD)	Motormaster — All Sizes
HC38GE230 (RCD)	Ball Bearing Fan Motor — Sizes 018–048
HC40GE230 (RCD)	Ball Bearing Fan Motor — Size 060

* Do not use hard shut-off TXV with liquid solenoid valve.
† See low-ambient controller Installation Instructions for application.
‡ Fan Motor with ball bearings required.

THERMOSTAT/SUBBASE PKG	DESCRIPTION
TSTATCCNAC01-A	Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
TSTATCCPAC01-A	Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
--HH--07AT-213	Thermostat, Manual Changeover, Non-Programmable, °F, 1 Stage Heat, 1-Stage Cool
TSTATCCSEN01	Outdoor Sensor

Accessory Description and Usage

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

2. Compressor Start Assist-Capacitor/Relay Type
Start capacitor and start relay gives ‘‘hard’’ boost to compressor motor at each start-up.
SUGGESTED USE: Installations where interconnecting tube length exceeds 50 ft.
Installations where outdoor design temperature exceeds 105°F (40.6°C).
Replacement installations with hard shut-off expansion valve on indoor coil.

3. Compressor Start Assist-PTC Type
Solid-state electrical device which gives a ‘‘soft’’ boost to the compressor at each start-up.
SUGGESTED USE: Installations with marginal power supply.
Replacement installations with rapid pressure balance (RPB) expansion valve on indoor coil.

4. Crankcase Heater
An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes chance of refrigerant slugging. May or may not include a thermostat control.
SUGGESTED USE: When interconnecting tube length exceeds 50 ft.
When unit will be operated below 55°F (12.8°C) outdoor air temperature. (USE: with low-ambient controller.)
All commercial installations.

5. Cycle Protector
Solid-state timing device which prevents compressor rapid recycling. Control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including normal room thermostat cycling.
SUGGESTED USE: Installations in areas where power interruptions are frequent.
Where user is likely to “play” with the room thermostat.
All commercial installations.
Installations where interconnecting tube length exceeds 50 ft.
High-rise applications.

6. Evaporator Freeze Thermostat
An SPST temperature actuated switch which stops unit operation when evaporator reaches freeze-up conditions.
SUGGESTED USE: All units where winter start control (item 17) has been added.

7. Filter Drier
A device for removing contaminants from refrigerant circulating in an air conditioner; 1 direction flow for air conditioners.
SUGGESTED USE: All field-connected split-system air conditioners.

8. High-Pressure Switch
Auto reset SPST switch activated by refrigerant pressure on high side of refrigerant circuit. Cycles compressor off if refrigerant pressure rises to about 400 psig. Provides additional protection against compressor damage due to loss of outdoor airflow.
SUGGESTED USE: Installations exposed to very ‘‘dirty’’ outdoor air.
Installations where condenser inlet air temperature exceeds 125°F (51.7°C).

9. Liquid Solenoid Valve (LSV)
An electrically operated shut-off valve to be installed at the outdoor or indoor unit (depending on tubing configuration) and which stops and starts refrigerant liquid flow in response to compressor operation. Maintains a column of refrigerant liquid ready for action at next compressor operation cycle.
NOTE: Compressor start assist — capacitor/relay type (Item 2) must also be used, if the system contains a reciprocating compressor.
SUGGESTED USE: For improved system performance in air conditioners for certain combinations of indoor and outdoor units (Refer to ARI Unitary Directory).
In certain long line-applications. (Refer to Long-Line Application Guideline.)

10. Low-Ambient Controller
Head pressure controller is a cycle control device activated by a temperature sensor mounted on a header tube of the outdoor coil. It is designed to cycle the outdoor fan motors in order to maintain condensing temperature within normal operating limits (approximately 130 to 110°F high, 70 to 50° low). The control will maintain working head pressure at low-ambient temperatures down to –20°F when properly installed.
SUGGESTED USE: Cooling operation at outdoor temperatures below 55°F (12.8°C).

11. Low-Pressure Switch
Auto reset SPST switch activated by refrigerant pressure on low side of refrigerant circuit. Cycles compressor off if refrigerant pressure drops to about 27 psig. Prevents indoor coil freeze-up due to loss of indoor airflow. Also, provides additional protection against compressor damage due to loss of refrigerant charge.
SUGGESTED USE: Where indoor coil is exposed to ‘‘dirty’’ air.
All commercial installations.

12. Motormaster
A fan speed control device activated by a temperature sensor. Designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to –20°F, it maintains condensing temperature at 100°F ± 10°F.
SUGGESTED USE: Cooling operation at outdoor temperatures below 55°F.
All commercial installations.

13. Sound Blanket/Shield/Hood
Wrap-around sound attenuation cover for the compressor. Reduces the sound level by about 0.2 bels.
SUGGESTED USE: Unit installed closer than 15 ft to quiet areas — bedrooms, etc.
Unit installed between 2 houses less than 10 ft apart.

14. 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: Improve sound rating.
Coastal installations.
Windy areas or where debris is normally circulating.
Rooftop installations.

15. Thermostatic Expansion Valve (TXV) Kit
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 shut-off and RPB type 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.)

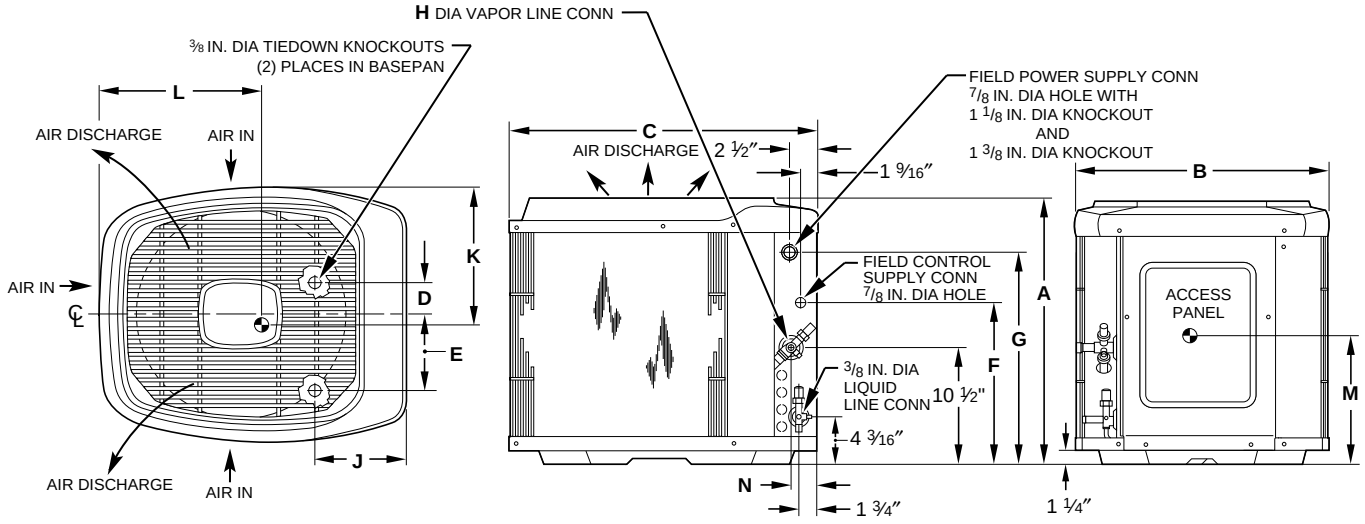
16. Time-Delay Relay
An SPST delay relay which briefly continues operation of the indoor blower motor to provide additional cooling after the compressor cycles off.
SUGGESTED USE: For improved efficiency ratings for certain combinations of indoor and outdoor units. (Refer to ARI Unitary Directory.)

17. Winter Start Control
An SPST delay relay which bypasses the low-pressure switch for approximately 3 minutes to permit start up for cooling operation under low-load conditions.
SUGGESTED USE: All air conditioners where low-ambient controller has been added.

Dimensions

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A	B	C	D	E	F	G	H	J	K	L	M	N	SHIPPING WEIGHT
						In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	lb.
38TRA018	0,1	X	O	O	O	33 13/16	22 1/2	27 1/2	2 13/16	6 15/16	21 1/2	27 7/8	5/8	8 3/16	9 1/4	17 3/8	13 1/2	2 3/8	156
38TRA024	1,2	X	O	O	O	27 13/16	30	34 15/16	4	9 3/4	15 1/2	21 7/8	5/8	8 3/16	16 1/2	20 3/8	11	2 15/16	195
38TRA030	1,2	X	O	O	O	33 13/16	30	34 15/16	4	9 3/4	21 1/2	27 7/8	3/4	8 3/16	16 1/2	20 3/8	13 1/2	2 15/16	205
38TRA036	1,2	X	O	O	O	39 13/16	30	34 15/16	4	9 3/4	27 1/2	33 7/8	3/4	8 3/16	16 1/2	20 3/8	15	2 15/16	215
38TRA036	3	X	O	O	O	33 13/16	30	34 15/16	4	9 3/4	21 1/2	27 7/8	3/4	8 3/16	16 1/2	20 3/8	13 1/2	2 15/16	205
38TRA042	1,2	X	O	O	O	33 13/16	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	8 3/16	16 1/2	20 3/8	13 1/2	2 15/16	235
38TRA042	3	X	O	O	O	39 13/16	30	34 15/16	4	9 3/4	27 1/2	33 7/8	7/8	8 3/16	16 1/2	20 3/8	15	2 15/16	215
38TRA048	1,2,3	X	O	O	O	39 13/16	30	34 15/16	4	9 3/4	27 1/2	33 7/8	7/8	8 3/16	16 1/2	20 3/8	15	2 15/16	269
38TRA060	1,2,3	X	O	O	O	39 13/16	30	34 15/16	4	9 3/4	27 1/2	33 7/8	7/8	8 3/16	16 1/2	20 3/8	15	2 15/16	273
		208/230-1-60	230-1-60	208/230-3-60	460-3-60														

X=YES
O=NO



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18	20 In. x 27 In.
24, 30, 36, 42, 48, 60	26 In. x 32 In.

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 (unless low ambient control is used), max 125°F.
3. Series designation is the 13th position of the unit model number.
4. Center of gravity ◔.

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Electrical data

UNIT SIZE-SERIES	V/PH	OPER VOLTS*		COMPR		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					
018-0, 1	208/230/1	253	187	50.0/47.0	9.6/9.3	0.5	12.5	14/14	61/58	20
024-1, 2				62.5/56.0	11.6/11.4	0.5	15.2	14/14	49/47	20
030-1, 2				76.0/72.5	13.5/15.0	0.5	17.4	14/14	44/42	30
036-1, 3				90.5/88.0	17.9/17.9	0.9	23.3	12/12	52/50	40
042-1, 3				107.0/104.0	19.9/20.0	0.9	25.8	10/10	77/73	40
048-1, 3				129.0	23.7	0.9	30.5	8/10	100/61	50
060-1, 3				169.0	28.8	1.4	37.4	8/8	82/78	60

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

† Time-delay fuse or HACR breaker.

‡ 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 336-26. If other than uncoated (non-plated), 60 or 75°C (140 or 167°F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).

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 24-v on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

Performance data

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT‡	SEER W/LSV†	SOUND RATING (BELS) w/KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
018-0	CC5A/CD5A/CD5BA024*	18,000	None	12.00	7.0	7.2
	CC5A/CD5A/CD5BW024	18,000	None	12.00	7.0	7.2
	CC5A/CD5A/CD5BA018	17,500	None	11.50	7.0	7.2
	CD3(A,B)A018	17,500	None	11.50	7.0	7.2
	CD3(A,B)A024	18,000	None	12.00	7.0	7.2
	CD3CA024	18,000	None	12.00	7.0	7.2
	CE3AA024	17,500	None	12.00	7.0	7.2
	CF5AA024	17,500	None	12.00	7.0	7.2
	CG5AA024	17,500	None	12.00	7.0	7.2
	F(A,B)4ANF018	17,500	TDR	11.50	7.0	7.2
	F(A,B)4ANF024	18,000	TDR	12.00	7.0	7.2
	FC4BNF024	18,000	TDR & TXV	12.00	7.0	7.2
	FC4BNF033	18,500	TDR & TXV	12.00	7.0	7.2
	FD3ANA018	17,500	None	11.20	7.0	7.2
	FD3ANA024	18,000	None	12.20	7.0	7.2
	FF1(A,B)NA018	17,500	None	12.20	7.0	7.2
	FF1(A,B)NA024	18,000	None	12.20	7.0	7.2
	FG3AAA024	18,000	None	12.00	7.0	7.2
	FK4BNF001	19,000	TDR & TXV	13.50	7.0	7.2
	FK4BNF002	19,000	TDR & TXV	14.00	7.0	7.2
	FK4BNF004	19,000	TDR & TXV	14.00	7.0	7.2
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	18,000	None	13.00	7.0	7.2
	CD3(A,B)A024	18,000	None	13.00	7.0	7.2
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	18,000	None	13.00	7.0	7.2
	CD3(A,B)A024	18,000	None	13.00	7.0	7.2
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	18,000	None	13.00	7.0	7.2
	CD3(A,B)A024	18,000	None	13.00	7.0	7.2
024-1	CC5A/CD5A/CD5BA024*	23,400	None	12.00	7.0	7.2
	CC5A/CD5A/CD5BW024	23,400	None	12.00	7.0	7.2
	CD3(A,B)A024	23,400	None	12.00	7.0	7.2
	CC5A/CD5A/CD5BA030	23,600	None	12.10	7.0	7.2
	CC5A/CD5A/CD5BW030	24,000	None	13.20	7.0	7.2
	CD3(A,B)A030	23,600	None	12.10	7.0	7.2
	CD3CA030	23,600	None	12.00	7.0	7.2
	CE3AA024	23,600	None	12.00	7.0	7.2
	CE3AA030	24,000	None	12.10	7.0	7.2
	CF5AA024	23,600	None	12.00	7.0	7.2
	CG5AA024	23,600	None	12.00	7.0	7.2
	F(A,B)4ANF024	23,600	TDR	12.00	7.0	7.2
	F(A,B)4ANF030	24,000	TDR	12.10	7.0	7.2
	FC4BNF024	23,600	TDR & TXV	12.00	7.0	7.2
	FC4BNF033	24,000	TDR & TXV	12.50	7.0	7.2
	FC4BNF030	24,000	TDR & TXV	12.10	7.0	7.2
	FD3ANA024	23,200	None	12.00	7.0	7.2
	FD3ANA030	24,000	None	12.10	7.0	7.2
	FF1(A,B)NA024	23,600	None	12.00	7.0	7.2
	FF1(A,B)NA030	24,000	None	12.10	7.0	7.2
	FG3AAA024	23,200	None	11.80	7.0	7.2
	FK4BNF001	24,000	TDR & TXV	13.00	7.0	7.2
	FK4BNF002	24,000	TDR & TXV	13.50	7.0	7.2
	FK4BNF004	24,000	TDR & TXV	14.00	7.0	7.2
	FK4BNF003	24,000	TDR & TXV	14.00	7.0	7.2
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	23,400	None	13.00	7.0	7.2
	CD3(A,B)A024	23,400	None	13.00	7.0	7.2
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	23,400	None	13.00	7.0	7.2
	CD3(A,B)A024	23,400	None	13.00	7.0	7.2
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA024	23,400	None	13.00	7.0	7.2
	CD3(A,B)A024	23,400	None	13.00	7.0	7.2
030-1	CC5A/CD5A/CD5BA030*	29,600	None	12.20	6.8	7.0
	CC5A/CD5A/CD5BW030	29,600	None	12.20	6.8	7.0
	CD3(A,B)A030	29,600	None	12.20	6.8	7.0
	CC5A/CD5A/CD5BA036	30,000	None	12.50	6.8	7.0
	CD5A/CD5BW036	30,000	None	12.50	6.8	7.0
	CD3(A,B)A036	30,000	None	12.50	6.8	7.0
	CD3CA036	30,000	None	12.50	6.8	7.0
	CE3AA030	29,400	None	12.00	6.8	7.0
	CE3AA036	30,000	None	12.50	6.8	7.0
	CF5AA036	30,000	None	12.50	6.8	7.0
	CG5AA036	30,000	None	12.50	6.8	7.0
	F(A,B)4ANF030	29,400	TDR	12.00	6.8	7.0
	F(A,B)4ANF036	30,000	TDR	12.00	6.8	7.0
	FC4BNF030	29,400	TDR & TXV	12.00	6.8	7.0
	FC4BNF036	30,000	TDR & TXV	12.00	6.8	7.0
	FC4BNF033	30,000	TDR & TXV	12.50	6.8	7.0

See notes on pg. 10.

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT‡	SEER W/LSV†	SOUND RATING (BELS) w/KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
030-1	FD3ANA030	29,400	None	12.00	6.8	7.0
	FF1(A,B)NA030	30,000	None	12.00	6.8	7.0
	FG3AAA036	30,000	None	12.50	6.8	7.0
	FK4BNF003	30,000	TDR & TXV	14.00	6.8	7.0
	FK4BNF001	29,600	TDR & TXV	13.50	6.8	7.0
	FK4BNF002	29,600	TDR & TXV	13.50	6.8	7.0
	FK4BNF004	30,000	TDR & TXV	14.00	6.8	7.0
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA030	29,600	None	13.00	6.8	7.0
	CD3(A,B)A030	29,600	None	13.00	6.8	7.0
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA030	29,600	None	13.00	6.8	7.0
	CD3(A,B)A030	29,600	None	13.00	6.8	7.0
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA030	29,600	None	13.00	6.8	7.0
	CD3(A,B)A030	29,600	None	13.00	6.8	7.0
036-1	CC5A/CD5A/CD5BA036*	35,800	None	12.20	7.2	7.4
	CD5A/CD5BW036	35,800	None	12.20	7.2	7.4
	CD3(A,B)A036	35,800	None	12.20	7.2	7.4
	CC5A/CD5A/CD5BA042	35,600	None	12.20	7.2	7.4
	CD3(A,B)A042	35,600	None	12.20	7.2	7.4
	CC5A/CD5A/CD5BW042	35,400	None	12.20	7.2	7.4
	CD3CA042	34,600	None	11.80	7.2	7.4
	CE3AA036	35,200	None	12.00	7.2	7.4
	CE3AA042	35,800	None	12.20	7.2	7.4
	CF5AA036	35,400	None	12.00	7.2	7.4
	CG5AA036	35,400	None	12.00	7.2	7.4
	F(A,B)4ANF036	35,000	TDR	11.80	7.2	7.4
	F(A,B)4AN(F,B)042	35,600	TDR	12.00	7.2	7.4
	FC4BNF036	35,000	TDR & TXV	11.80	7.2	7.4
	FC4BNF033	35,600	TDR & TXV	12.00	7.2	7.4
	FC4BN(F,B)042	35,600	TDR & TXV	12.00	7.2	7.4
	FC4BNF038	36,000	TDR & TXV	12.50	7.2	7.4
	FC4BNB054	36,000	TDR & TXV	13.00	7.2	7.4
	FG3AAA036	35,000	None	12.00	7.2	7.4
	FK4BNF001	35,000	TDR & TXV	12.50	7.2	7.4
	FK4BNF002	35,000	TDR & TXV	12.50	7.2	7.4
	FK4BNF004	35,400	TDR & TXV	13.00	7.2	7.4
	FK4BNF003	35,400	TDR & TXV	13.00	7.2	7.4
	FK4BNB005	36,000	TDR & TXV	13.50	7.2	7.4
	FK4BNB006	36,000	TDR & TXV	13.50	7.2	7.4
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA036	35,400	None	13.00	7.2	7.4
	CD3(A,B)A036	35,400	None	13.00	7.2	7.4
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA036	35,400	None	13.00	7.2	7.4
	CD3(A,B)A036	35,400	None	13.00	7.2	7.4
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA036	35,400	None	13.00	7.2	7.4
	CD3(A,B)A036	35,400	None	13.00	7.2	7.4
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA036	35,400	None	13.00	7.2	7.4
	CD3(A,B)A036	35,400	None	13.00	7.2	7.4
042-1	CC5A/CD5A/CD5BA042*	41,500	None	12.20	7.2	7.4
	CD3(A,B)A042	41,500	None	12.20	7.2	7.4
	CC5A/CD5A/CD5BW042	41,000	None	12.00	7.2	7.4
	CD5A/CD5BA048	41,500	None	12.20	7.2	7.4
	CD3(A,B)A048	41,500	None	12.20	7.2	7.4
	CC5A/CD5A/CD5BC048	41,000	None	12.00	7.2	7.4
	CC5A/CD5A/CD5BW048	41,500	None	12.20	7.2	7.4
	CD3CA048	41,000	None	12.00	7.2	7.4
	CE3AA042	41,000	None	12.00	7.2	7.4
	CE3AA048	41,500	None	12.20	7.2	7.4
	CF5AA048	41,500	None	12.20	7.2	7.4
	CG5AA048	41,500	None	12.20	7.2	7.4
	F(A,B)4AN(F,B)042	41,000	TDR	12.00	7.2	7.4
	F(A,B)4AN(F,B)048	41,500	TDR	12.20	7.2	7.4
	FC4BN(F,B)042	41,000	TDR & TXV	12.00	7.2	7.4
	FC4BNF038	42,000	TDR & TXV	12.50	7.2	7.4
	FC4BNB054	42,000	TDR & TXV	13.00	7.2	7.4
	FC4BN(F,B)048	41,500	TDR & TXV	12.20	7.2	7.4
	FG3AAA048	41,000	None	12.00	7.2	7.4
	FK4BNF003	41,000	TDR & TXV	12.50	7.2	7.4
	FK4BNB005	42,000	TDR & TXV	13.50	7.2	7.4
	FK4BNB006	42,000	TDR & TXV	13.50	7.2	7.4
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BA042	41,000	None	13.00	7.2	7.4
	CD3(A,B)A042	41,000	None	13.00	7.2	7.4

See notes on pg. 10.

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT‡	SEER W/LSV†	SOUND RATING (BELS) w/KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					
042-1	CC5A/CD5A/CD5BA042	41,000	None	13.00	7.2	7.4
	CD3(A,B)A042	41,000	None	13.00	7.2	7.4
048-1	CC5A/CD5A/CD5BA060*	48,000	None	12.10	7.2	7.4
	CD5A/CD5BA048	47,500	None	12.00	7.2	7.4
	CD3(A,B)A048	47,500	None	12.00	7.2	7.4
	CC5A/CD5A/CD5BC048	47,000	None	12.00	7.2	7.4
	CC5A/CD5A/CD5BW048	47,500	None	12.00	7.2	7.4
	CD3(A,B)A060	48,000	None	12.10	7.2	7.4
	CC5A/CD5A/CD5BW060	48,500	None	12.50	7.2	7.4
	CD3CA060	48,000	None	12.10	7.2	7.4
	CE3AA048	47,500	None	12.00	7.2	7.4
	CE3AA060	48,000	None	12.50	7.2	7.4
	CF5AA048	47,500	None	12.00	7.2	7.4
	CG5AA048	47,500	None	12.00	7.2	7.4
	F(A,B)4AN(F,B)048	47,500	TDR	12.00	7.2	7.4
	F(A,B)4AN(F,B)060	48,000	TDR	12.10	7.2	7.4
	FC4BN(F,B)048	47,500	TDR & TXV	12.00	7.2	7.4
	FC4BN(F,B)060	48,000	TDR & TXV	12.10	7.2	7.4
	FC4BNB054	48,500	TDR & TXV	12.50	7.2	7.4
	FG3AAA048	47,500	None	12.00	7.2	7.4
	FG3AAA060	48,000	None	12.10	7.2	7.4
	FK4BNB006	48,500	TDR & TXV	13.00	7.2	7.4
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE					
	CC5A/CD5A/CD5BW060	48,000	None	13.00	7.2	7.4
060-1	CC5A/CD5A/CD5BW060*	57,000	None	12.10	7.6	7.8
	CC5A/CD5A/CD5BA060	55,000	None	12.00	7.6	7.8
	CD3(A,B)A060	55,000	None	12.00	7.6	7.8
	CD3CA070	56,000	None	12.00	7.6	7.8
	CE3AA060	57,000	None	12.00	7.6	7.8
	F(A,B)4AN(F,B)060	57,000	TDR	11.50	7.6	7.8
	FB4ANB070	58,000	TDR	12.00	7.6	7.8
	FC4BNB070	58,000	TDR & TXV	12.00	7.6	7.8
	FC4BN(F,B)060	57,000	TDR & TXV	11.50	7.6	7.8
	FC4BNB054	58,000	TDR & TXV	12.20	7.6	7.8
	FG3AAA060	57,000	None	12.00	7.6	7.8
	FK4BNB006	58,000	TDR & TXV	12.50	7.6	7.8

* Tested combination
† No further enhancement necessary.
‡ TDR is on all furnaces, except 58GFA.

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

Performance data

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT†	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			SOUND RATING (BELS) w/ KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
					TDR	TXV	LSV		
018-1	CC5A/CD5A/CD5BA018*	18,000	NONE	—	12.00	12.00	12.00	—	7.0
	CC5A/CD5A/CD5BA024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	CD3(A,B)A018	18,000	NONE	—	12.00	12.00	12.00	—	7.0
	CD3(A,B)A024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	CC5A/CD5A/CD5BW024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	CD3CA024	18,500	NONE	—	12.00	12.00	12.00	—	7.0
	CE3AA024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	CF5AA024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	CG5AA024	18,500	TXV	—	12.20	—	12.20	—	7.0
	F(A,B)4ANF018	18,000	TDR	11.80	—	11.80	—	—	7.0
	F(A,B)4ANF024	18,500	TDR	12.50	—	12.50	—	—	7.0
	FC4BNF024	18,500	TDR & TXV	12.50	—	—	—	—	7.0
	FC4BNF033	19,000	TDR & TXV	12.50	—	—	—	—	7.0
	FD3ANA018	18,000	NONE	—	11.50	11.50	11.50	—	7.0
	FD3ANA024	18,500	NONE	—	12.20	12.20	12.20	—	7.0
	FF1(A,B)NA018	18,000	TDR	12.20	—	12.20	—	—	7.0
	FF1(A,B)NA024	18,500	TDR	12.50	—	12.50	—	—	7.0
	FG3AAA024	18,500	NONE	—	12.00	12.00	12.00	—	7.0
	FK4BNF001	19,000	TDR & TXV	14.00	—	—	—	—	7.0
	FK4BNF002	19,000	TDR & TXV	14.00	—	—	—	—	7.0
	FK4BNF004	19,000	TDR & TXV	14.50	—	—	—	—	7.0
	FK4CNF001	19,000	TDR & TXV	14.00	—	—	—	—	7.0
	FK4CNF002	19,000	TDR & TXV	14.00	—	—	—	—	7.0
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA024	18,500	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A024	18,500	TDR	13.50	—	13.50	—	—	7.0
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA024	18,500	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A024	18,500	TDR	13.50	—	13.50	—	—	7.0
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A018	18,000	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA024	18,500	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A024	18,500	TDR	13.50	—	13.50	—	—	7.0
	COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA024	18,500	TDR	14.00	—	14.00	—	—	7.0
	CD3(A,B)A024	18,500	TDR	14.00	—	14.00	—	—	7.0
	CE3AA024	18,500	TDR	14.00	—	14.00	—	—	7.0
024-2	CC5A/CD5A/CD5BA024*	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CC5A/CD5A/CD5BA030	23,200	NONE	—	12.20	12.20	12.20	—	7.0
	CD3(A,B)A024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CD3(A,B)A030	23,200	NONE	—	12.20	12.20	12.20	—	7.0
	CC5A/CD5A/CD5BW024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CC5A/CD5A/CD5BW030	23,200	NONE	—	12.20	12.20	12.20	—	7.0
	CD3CA024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CD3CA030	23,200	NONE	—	12.20	12.20	12.20	—	7.0
	CE3AA024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CE3AA030	23,200	NONE	—	12.20	12.20	12.20	—	7.0
	CF5AA024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	CG5AA024	23,000	TXV	—	12.00	—	12.00	—	7.0
	F(A,B)4ANF024	23,200	TDR	12.00	—	12.00	—	—	7.0
	F(A,B)4ANF030	23,600	TDR	12.20	—	12.20	—	—	7.0
	FC4BNF024	23,200	TDR & TXV	12.00	—	—	—	—	7.0
	FC4BNF030	23,600	TDR & TXV	12.20	—	—	—	—	7.0
	FC4BNF033	24,000	TDR & TXV	12.50	—	—	—	—	7.0
	FD3ANA024	23,000	NONE	—	12.00	12.00	12.00	—	7.0
	FD3ANA030	23,600	NONE	—	12.20	12.20	12.20	—	7.0
	FF1(A,B)NA024	23,000	TDR	12.00	—	12.00	—	—	7.0
	FF1(A,B)NA030	23,600	TDR	12.20	—	12.20	—	—	7.0
	FG3AAA024	22,800	NONE	—	11.80	11.80	11.80	—	7.0
	FK4BNF001	23,400	TDR & TXV	13.50	—	—	—	—	7.0
	FK4BNF002	23,600	TDR & TXV	13.50	—	—	—	—	7.0
	FK4BNF003	23,600	TDR & TXV	14.00	—	—	—	—	7.0
	FK4BNF004	24,000	TDR & TXV	14.00	—	—	—	—	7.0
	FK4CNF001	23,400	TDR & TXV	13.50	—	—	—	—	7.0
	FK4CNF002	23,600	TDR & TXV	13.50	—	—	—	—	7.0
	FK4CNF003	23,600	TDR & TXV	14.00	—	—	—	—	7.0
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA030	23,600	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A030	23,600	TDR	13.50	—	13.50	—	—	7.0
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA030	23,600	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A030	23,600	TDR	13.50	—	13.50	—	—	7.0

See notes on pg. 15

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT†	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			SOUND RATING (BELS) w/ KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
					TDR	TXV	LSV		
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE								
024-2	CC5A/CD5A/CD5BA024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CD3(A,B)A024	23,200	TDR	13.00	—	13.00	—	—	7.0
	CC5A/CD5A/CD5BA030	23,600	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A030	23,600	TDR	13.50	—	13.50	—	—	7.0
	COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA030	23,600	TDR	13.50	—	13.50	—	—	7.0
	CD3(A,B)A030	23,600	TDR	13.50	—	13.50	—	—	7.0
	CE3AA030	23,600	TDR	13.50	—	13.50	—	—	7.0
030-2	CC5A/CD5A/CD5BA030*	29,000	NONE	—	12.00	12.00	12.00	6.8	7.0
	CC5A/CD5A/CD5BA036	29,600	NONE	—	12.50	12.50	12.50	6.8	7.0
	CC5A/CD5A/CD5BW030	29,000	NONE	—	12.00	12.00	12.00	6.8	7.0
	CD3(A,B)A030	29,000	NONE	—	12.00	12.00	12.00	6.8	7.0
	CD3(A,B)A036	29,600	NONE	—	12.50	12.50	12.50	6.8	7.0
	CD5A/CD5BW036	29,600	NONE	—	12.50	12.50	12.50	6.8	7.0
	CD3CA030	28,600	NONE	—	12.00	12.00	12.00	6.8	7.0
	CD3CA036	29,000	NONE	—	12.20	12.20	12.20	6.8	7.0
	CE3AA030	29,000	NONE	—	12.00	12.00	12.00	6.8	7.0
	CE3AA036	29,600	NONE	—	12.20	12.20	12.20	6.8	7.0
	CF5AA036	29,600	NONE	—	12.50	12.50	12.50	6.8	7.0
	CG5AA036	29,600	TXV	—	12.50	—	12.50	6.8	7.0
	F(A,B)4ANF030	29,200	TDR	12.00	—	12.00	—	6.8	7.0
	F(A,B)4ANF036	29,600	TDR	12.00	—	12.00	—	6.8	7.0
	FC4BNF030	29,200	TDR & TXV	12.00	—	—	—	6.8	7.0
	FC4BNF033	30,000	TDR & TXV	12.50	—	—	—	6.8	7.0
	FC4BNF036	29,600	TDR & TXV	12.00	—	—	—	6.8	7.0
	FD3ANA030	29,200	NONE	—	12.00	12.00	12.00	6.8	7.0
	FF1(A,B)NA030	29,600	TDR	12.00	—	12.00	—	6.8	7.0
	FG3AAA036	29,400	NONE	—	12.00	12.00	12.00	6.8	7.0
	FK4BNF001	29,600	TDR & TXV	13.00	—	—	—	6.8	7.0
	FK4BNF002	29,600	TDR & TXV	13.40	—	—	—	6.8	7.0
	FK4BNF003	30,000	TDR & TXV	13.80	—	—	—	6.8	7.0
	FK4BNF004	30,200	TDR & TXV	14.00	—	—	—	6.8	7.0
	FK4CNF001	29,600	TDR & TXV	13.00	—	—	—	6.8	7.0
	FK4CNF002	29,600	TDR & TXV	13.40	—	—	—	6.8	7.0
	FK4CNF003	30,000	TDR & TXV	13.80	—	—	—	6.8	7.0
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CD3(A,B)A030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CC5A/CD5A/CD5BA036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CD3(A,B)A036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CD3(A,B)A030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CC5A/CD5A/CD5BA036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CD3(A,B)A036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CD3(A,B)A030	29,600	TDR	13.00	—	13.00	—	6.8	7.0
	CC5A/CD5A/CD5BA036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CD3(A,B)A036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CD3(A,B)A036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CE3AA036	29,800	TDR	13.50	—	13.50	—	6.8	7.0
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CD3(A,B)A036	30,000	TDR	13.50	—	13.50	—	6.8	7.0
	CE3AA036	29,800	TDR	13.50	—	13.50	—	6.8	7.0
036-3	CC5A/CD5A/CD5BA036*	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BA042	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD5A/CD5BW036	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A036	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A042	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BW042	35,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD3CA036	34,000	NONE	—	11.80	11.80	11.80	—	7.2
	CD3CA042	34,200	NONE	—	11.90	11.90	11.90	—	7.2
	CE3AA036	34,800	NONE	—	12.00	12.00	12.00	—	7.2
	CE3AA042	35,400	NONE	—	12.20	12.20	12.20	—	7.2
	CF5AA036	35,200	NONE	—	12.00	12.00	12.00	—	7.2
	CG5AA036	35,200	TXV	—	12.00	—	12.00	—	7.2
	F(A,B)4ANF036	35,000	TDR	12.00	—	12.00	—	—	7.2
	F(A,B)4AN(F,B)042	35,400	TDR	12.00	—	12.00	—	—	7.2
	FC4BNF033	35,400	TDR & TXV	12.00	—	—	—	—	7.2
	FC4BNF036	35,000	TDR & TXV	12.00	—	—	—	—	7.2
	FC4BNF038	36,000	TDR & TXV	12.50	—	—	—	—	7.2
	FC4BN(F,B)042	35,400	TDR & TXV	12.00	—	—	—	—	7.2
	FC4BNB054	36,000	TDR & TXV	13.00	—	—	—	—	7.2

See notes on pg. 15.

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT†	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			SOUND RATING (BELS) w/ KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
					TDR	TXV	LSV		
036-3	FG3AAA036	34,600	NONE	—	11.80	11.80	11.80	—	7.2
	FK4BNF001	35,000	TDR & TXV	12.20	—	—	—	—	7.2
	FK4BNF002	35,000	TDR & TXV	12.50	—	—	—	—	7.2
	FK4BNF003	35,400	TDR & TXV	13.00	—	—	—	—	7.2
	FK4BNF004	35,400	TDR & TXV	13.00	—	—	—	—	7.2
	FK4CNF001	35,000	TDR & TXV	12.20	—	—	—	—	7.2
	FK4CNF002	35,000	TDR & TXV	12.50	—	—	—	—	7.2
	FK4CNF003	35,400	TDR & TXV	13.00	—	—	—	—	7.2
	FK4CNF005	36,000	TDR & TXV	14.00	—	—	—	—	7.2
	FK4BNB005	36,000	TDR & TXV	14.00	—	—	—	—	7.2
	FK4BNB006	36,000	TDR & TXV	14.00	—	—	—	—	7.2
	FK4CNB006	36,000	TDR & TXV	14.00	—	—	—	—	7.2
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CC5A/CD5A/CD5BA042	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,200	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CC5A/CD5A/CD5BA042	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,200	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CC5A/CD5A/CD5BA042	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,200	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A036	35,200	TDR	13.00	—	13.00	—	—	7.2
	CC5A/CD5A/CD5BA042	35,200	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,200	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CE3AA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CE3AA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CE3AA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	35,400	TDR	13.00	—	13.00	—	—	7.2
	CE3AA042	35,400	TDR	13.00	—	13.00	—	—	7.2
042-3	CC5A/CD5A/CD5BA042*	41,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A042	41,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A048	41,000	NONE	—	12.20	12.20	12.20	—	7.2
	CC5A/CD5A/CD5BW042	41,000	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BW048	41,000	NONE	—	12.20	12.20	12.20	—	7.2
	CD5A/CD5BA048	41,000	NONE	—	12.20	12.20	12.20	—	7.2
	CC5A/CD5A/CD5BC048	40,500	NONE	—	12.00	12.00	12.00	—	7.2
	CD3CA042	39,500	NONE	—	12.00	12.00	12.00	—	7.2
	CD3CA048	40,500	NONE	—	12.20	12.20	12.20	—	7.2
	CE3AA042	41,000	NONE	—	12.00	12.00	12.00	—	7.2
	CE3AA048	41,500	NONE	—	12.20	12.20	12.20	—	7.2
	CF5AA048	41,500	NONE	—	12.20	12.20	12.20	—	7.2
	CG5AA048	41,500	TXV	—	12.20	—	12.20	—	7.2
	F(A,B)4AN(F,B)042	41,000	TDR	12.00	—	12.00	—	—	7.2
	F(A,B)4AN(F,B)048	41,500	TDR	12.20	—	12.20	—	—	7.2
	FC4BN(F,B)042	41,000	TDR & TXV	12.00	—	—	—	—	7.2
	FC4BN(F,B)048	41,500	TDR & TXV	12.20	—	—	—	—	7.2
	FC4BNF038	42,000	TDR & TXV	12.50	—	—	—	—	7.2
	FC4BNB054	43,000	TDR & TXV	13.00	—	—	—	—	7.2
	FG3AAA048	41,000	NONE	—	12.20	12.20	12.20	—	7.2
	FK4BNF003	41,500	TDR & TXV	13.00	—	—	—	—	7.2
	FK4CNF003	41,500	TDR & TXV	13.00	—	—	—	—	7.2
	FK4CNF005	42,000	TDR & TXV	13.50	—	—	—	—	7.2
	FK4BNB005	42,000	TDR & TXV	13.50	—	—	—	—	7.2
	FK4BNB006	43,000	TDR & TXV	14.00	—	—	—	—	7.2
	FK4CNB006	43,000	TDR & TXV	14.00	—	—	—	—	7.2

See notes on pg. 15.

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT†	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			SOUND RATING (BELS) w/ KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
					TDR	TXV	LSV		
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	41,000	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	41,000	TDR	13.00	—	13.00	—	—	7.2
	CD5A/CD5BA048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CD3(A,B)A048	41,000	TDR	13.50	—	13.50	—	—	7.2
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BA042	41,000	TDR	13.00	—	13.00	—	—	7.2
	CD3(A,B)A042	41,000	TDR	13.00	—	13.00	—	—	7.2
	CD5A/CD5BA048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CD3(A,B)A048	41,000	TDR	13.50	—	13.50	—	—	7.2
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE								
042-3	CD5A/CD5BA048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CD3(A,B)A048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CE3AA048	41,000	TDR	13.40	—	13.40	—	—	7.2
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE								
	CD5A/CD5BA048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CD3(A,B)A048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CE3AA048	41,000	TDR	13.40	—	13.40	—	—	7.2
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE								
	CD5A/CD5BA048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CD3(A,B)A048	41,000	TDR	13.50	—	13.50	—	—	7.2
	CE3AA048	41,000	TDR	13.40	—	13.40	—	—	7.2
	CC5A/CD5A/CD5BA060*	48,000	NONE	—	12.00	12.00	12.00	—	7.2
	CD5A/CD5BA048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	CD3(A,B)A060	48,000	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BC048	47,000	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BW048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	CC5A/CD5A/CD5BW060	48,500	NONE	—	12.50	12.50	12.50	—	7.2
	CD3CA048	47,000	NONE	—	11.80	11.80	11.80	—	7.2
	CD3CA060	48,000	NONE	—	12.00	12.00	12.00	—	7.2
	CE3AA048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	CE3AA060	48,000	NONE	—	12.50	12.50	12.50	—	7.2
	CF5AA048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	CG5AA048	47,500	TXV	—	12.00	—	12.00	—	7.2
	F(A,B)4AN(F,B)048	47,500	TDR	12.00	—	12.00	—	—	7.2
	F(A,B)4AN(F,B)060	48,000	TDR	12.20	—	12.20	—	—	7.2
	FC4BN(F,B)048	47,500	TDR & TXV	12.00	—	—	—	—	7.2
	FC4BN(F,B)060	48,000	TDR & TXV	12.20	—	—	—	—	7.2
	FC4BNB054	48,500	TDR & TXV	12.50	—	—	—	—	7.2
	FG3AAA048	47,500	NONE	—	12.00	12.00	12.00	—	7.2
	FG3AAA060	48,000	NONE	—	12.20	12.20	12.20	—	7.2
	FK4CNF005	47,500	TDR & TXV	13.20	—	—	—	—	7.2
048-3	FK4BNB006	48,500	TDR & TXV	13.50	—	—	—	—	7.2
	FK4CNB006	48,500	TDR & TXV	13.50	—	—	—	—	7.2
	COILS + 58MVP080-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,000	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,000	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,000	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,500	TDR	13.00	—	13.00	—	—	7.2
	CE3AA060	48,500	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,500	TDR	13.00	—	13.00	—	—	7.2
	CE3AA060	48,500	TDR	13.00	—	13.00	—	—	7.2
	COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	48,500	TDR	13.00	—	13.00	—	—	7.2
	CE3AA060	48,500	TDR	13.00	—	13.00	—	—	7.2
	CC5A/CD5A/CD5BW060*	57,000	NONE	—	12.00	12.00	12.00	—	7.6
	CC5A/CD5A/CD5BA060	55,000	NONE	—	12.00	12.00	12.00	—	7.6
	CD3(A,B)A060	55,000	NONE	—	12.00	12.00	12.00	—	7.6
	CD3CA060	56,000	NONE	—	11.80	11.80	11.80	—	7.6
	CD3CA070	56,500	NONE	—	12.00	12.00	12.00	—	7.6
060-3	CE3AA060	57,000	NONE	—	12.00	12.00	12.00	—	7.6
	F(A,B)4AN(F,B)060	57,000	TDR	11.50	—	11.50	—	—	7.6
	FB4ANB070	58,000	TDR	12.00	—	12.00	—	—	7.6
	FC4BNB054	58,000	TDR & TXV	12.20	—	—	—	—	7.6
	FC4BNB070	58,000	TDR & TXV	12.00	—	—	—	—	7.6
	FC4BN(F,B)060	57,000	TDR & TXV	11.50	—	—	—	—	7.6

See notes on pg. 15.

Performance data continued

UNIT SIZE-SERIES	INDOOR SECTION	TOTAL CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT†	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			SOUND RATING (BELS) w/ KSASF0101AAA	SOUND RATING (BELS) w/o KSASF0101AAA
					TDR	TXV	LSV		
060-3	FG3AAA060	57,000	NONE	—	12.00	12.00	12.00	—	7.6
	FK4BNB006	58,000	TDR & TXV	12.50	—	—	—	—	7.6
	FK4CNB006	58,000	TDR & TXV	12.50	—	—	—	—	7.6
	COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE								
	CC5A/CD5A/CD5BW060	57,000	TDR	12.50	—	12.50	—	—	7.6

* Tested combination

† TDR is on all furnaces, except 58GFA.

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

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA018-30 Outdoor Section With CC5A/CD5A/CD5BA024 Indoor Section																
525	72	20.9	10.1	1.47	20.1	9.86	1.61	19.3	9.57	1.76	18.5	9.27	1.93	17.7	8.96	2.11
	67	19.1	12.7	1.45	18.4	12.4	1.58	17.7	12.1	1.73	16.9	11.8	1.90	16.1	11.5	2.08
	62	17.4	15.2	1.43	16.8	14.9	1.56	16.1	14.6	1.71	15.4	14.3	1.87	14.7	13.9	2.05
	57	16.5	16.5	1.41	16.0	16.0	1.55	15.5	15.5	1.70	14.9	14.9	1.86	14.3	14.3	2.04
600	72	21.3	10.6	1.51	20.5	10.3	1.64	19.7	9.99	1.79	18.8	9.69	1.96	18.0	9.38	2.14
	67	19.5	13.5	1.48	18.7	13.2	1.62	18.0	12.9	1.77	17.2	12.5	1.93	16.4	12.2	2.11
	62	17.8	16.2	1.46	17.1	15.9	1.59	16.4	15.5	1.74	15.7	15.2	1.91	15.0	14.7	2.08
	57	17.1	17.1	1.45	16.6	16.6	1.58	16.0	16.0	1.73	15.5	15.5	1.90	14.9	14.9	2.08
675	72	21.6	11.0	1.54	20.8	10.7	1.68	19.9	10.4	1.83	19.1	10.1	1.99	18.2	9.77	2.18
	67	19.8	14.2	1.52	19.0	13.8	1.65	18.2	13.5	1.80	17.4	13.2	1.96	16.6	12.9	2.15
	62	18.1	17.1	1.49	17.4	16.7	1.63	16.7	16.3	1.78	16.0	15.9	1.94	15.3	15.3	2.12
	57	17.6	17.6	1.49	17.1	17.1	1.62	16.5	16.5	1.77	15.9	15.9	1.93	15.3	15.3	2.12

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	018	0.97	1.00
	024	1.00	1.00
CC5A/CD5A/ CD5BW	024	1.00	1.00
CD3(A,B)A	018	0.97	1.00
	024	1.00	1.00
CD3CA	024	1.00	1.01
CE3AA	024	0.97	1.00
CF5AA	024	0.97	1.00
CG5AA	024	0.97	1.00
F(A,B)4ANF	018	0.97	0.99
	024	1.00	1.01
FC4BNF	024	1.00	1.01
	033	1.03	1.03
FD3ANA	018	0.97	1.02
	024	1.00	0.99
FF1(A,B)NA	018	0.97	0.95
	024	1.00	1.00

Indoor Section	Size	Cooling Capacity	Cooling Power
FG3AAA	024	1.00	1.00
FK4BNF	001	1.06	0.92
	002	1.06	0.92
	004	1.06	0.91
COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.00	0.94
CD3(A,B)A	024	1.00	0.94
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.00	0.94
CD3(A,B)A	024	1.00	0.94
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A CD5BA	024	1.00	0.94
CD3(A,B)A	024	1.00	0.94
	—	—	—

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA024-31 Outdoor Section With CC5A/CD5A/CD5BA024 Indoor Section																
700	72	27.1	13.1	1.79	26.2	12.8	1.97	25.2	12.4	2.17	24.3	12.1	2.40	23.3	11.7	2.66
	67	24.7	16.4	1.79	23.8	16.0	1.96	22.9	15.7	2.16	22.1	15.3	2.39	21.2	14.9	2.66
	62	22.4	19.6	1.80	21.6	19.2	1.97	20.8	18.8	2.17	20.0	18.4	2.39	19.2	18.0	2.64
	57	21.1	21.1	1.80	20.5	20.5	1.97	19.9	19.9	2.16	19.3	19.3	2.39	18.6	18.6	2.65
800	72	27.7	13.7	1.83	26.7	13.3	2.01	25.7	13.0	2.21	24.7	12.6	2.44	23.7	12.3	2.69
	67	25.2	17.4	1.83	24.3	17.0	2.01	23.4	16.6	2.21	22.5	16.3	2.43	21.6	15.9	2.70
	62	22.9	20.9	1.84	22.1	20.5	2.01	21.2	20.0	2.21	20.4	19.6	2.44	19.6	19.1	2.69
	57	22.0	22.0	1.83	21.3	21.3	2.01	20.7	20.7	2.20	20.0	20.0	2.43	19.3	19.3	2.69
900	72	28.1	14.2	1.86	27.1	13.9	2.04	26.1	13.5	2.24	25.0	13.1	2.47	24.0	12.8	2.73
	67	25.6	18.3	1.87	24.7	17.9	2.05	23.7	17.5	2.25	22.8	17.1	2.48	21.8	16.8	2.75
	62	23.3	22.1	1.87	22.5	21.6	2.04	21.6	21.1	2.24	20.8	20.6	2.48	20.0	19.9	2.74
	57	22.7	22.7	1.87	22.0	22.0	2.05	21.3	21.3	2.24	20.6	20.6	2.47	19.9	19.9	2.73

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	024	1.00	1.00
	030	1.01	1.00
CD3(A,B)A	024	1.00	1.00
	030	1.01	1.00
CC5A/CD5A/ CD5BW	024	1.00	1.00
	030	1.01	1.00
CE3AA	024	1.01	1.00
	030	1.03	1.00
CF5AA	024	1.01	1.00
CD3CA	030	1.01	1.00
CG5AA	024	1.01	1.00
F(A,B)4ANF	024	1.01	1.00
	030	1.03	0.99
FC4BNF	024	1.01	1.00
	033	1.03	1.00
	030	1.03	0.99
FD3ANA	024	0.99	0.98
	030	1.03	1.00
	—	—	—

Indoor Section	Size	Cooling Capacity	Cooling Power
FF1(A,B)NA	024	1.01	1.01
	030	1.03	1.01
FG3AAA	024	0.99	1.00
FK4BNF	001	1.03	0.93
	002	1.03	0.93
	003	1.03	0.91
	004	1.03	0.93
COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.00	0.94
CD3(A,B)A	024	1.00	0.94
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.00	0.94
CD3(A,B)A	024	1.00	0.94
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.00	0.94
	030	1.03	0.93
CD3(A,B)A	024	1.00	0.94

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA030-31 Outdoor Section With CC5A/CD5A/CD5BA030 Indoor Section																
875	72	33.8	16.4	2.26	32.8	16.0	2.47	31.6	15.6	2.71	30.3	15.1	2.96	29.1	14.6	3.26
	67	31.0	20.6	2.24	30.0	20.2	2.45	28.8	19.7	2.68	27.7	19.2	2.94	26.5	18.7	3.22
	62	28.3	24.7	2.22	27.3	24.2	2.43	26.3	23.7	2.66	25.2	23.1	2.91	24.2	22.6	3.21
	57	26.6	26.6	2.21	25.9	25.9	2.43	25.1	25.1	2.65	24.3	24.3	2.91	23.5	23.5	3.20
1000	72	34.5	17.1	2.31	33.4	16.7	2.52	32.0	16.2	2.75	30.8	15.8	3.02	29.5	15.3	3.31
	67	31.6	21.8	2.29	30.6	21.3	2.50	29.4	20.9	2.73	28.2	20.4	2.99	27.0	19.9	3.28
	62	28.9	26.3	2.27	27.9	25.8	2.49	26.8	25.2	2.71	25.7	24.6	2.96	24.6	24.0	3.26
	57	27.7	27.7	2.27	26.9	26.9	2.48	26.0	26.0	2.70	25.2	25.2	2.96	24.3	24.3	3.26
1125	72	35.0	17.7	2.36	33.8	17.3	2.57	32.5	16.8	2.80	31.2	16.4	3.07	29.9	13.9	3.37
	67	32.1	22.9	2.34	31.0	22.5	2.55	29.8	22.0	2.78	28.6	21.5	3.04	27.3	21.0	3.33
	62	29.3	27.7	2.32	28.3	27.1	2.54	27.3	26.5	2.76	26.1	25.8	3.02	25.1	25.0	3.31
	57	28.6	28.6	2.32	27.7	27.7	2.53	26.8	26.8	2.76	25.9	25.9	3.02	25.0	25.0	3.31

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	030	1.00	1.00
	036	1.01	1.00
CC5A/CD5A/ CD5BW	030	1.00	1.00
CD3(A,B)A	030	1.00	1.00
	036	1.01	1.00
CD5A/CD5BW	036	1.01	1.00
CE3AA	030	0.99	1.00
	036	1.01	1.00
CF5AA	036	1.01	1.00
CD3CA	036	1.01	0.94
CG5AA	036	1.01	1.00
F(A,B)4ANF	030	0.99	0.99
	036	1.01	1.02
FC4BNF	030	0.99	0.99
	036	1.01	1.02
	033	1.01	1.00
FD3ANA	030	0.99	1.01

Indoor Section	Size	Cooling Capacity	Cooling Power
FF1(A,B)NA	030	1.01	1.01
FG3AAA	036	1.01	1.00
FK4BNF	001	1.00	0.94
	002	1.00	0.94
	003	1.01	0.93
	004	1.01	0.94
COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.00	0.96
CD3(A,B)A	030	1.00	0.96
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.00	0.96
CD3(A,B)A	030	1.00	0.96
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.00	0.96
CD3(A,B)A	030	1.00	0.96

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA036-31 Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section																
1050	72	41.1	20.2	2.68	39.7	19.7	2.95	38.1	19.1	3.22	36.6	18.5	3.55	35.0	17.9	3.91
	67	37.7	25.5	2.65	36.4	25.0	2.92	35.0	24.4	3.20	33.5	23.8	3.52	31.9	23.1	3.86
	62	34.5	30.7	2.63	33.3	30.1	2.89	32.0	29.4	3.17	30.6	28.7	3.48	29.2	28.0	3.84
	57	32.8	32.8	2.61	31.9	31.9	2.88	30.9	30.9	3.16	29.8	29.8	3.47	28.7	28.7	3.83
1200	72	41.8	21.1	2.74	40.4	20.6	3.01	38.7	20.0	3.29	37.2	19.4	3.62	35.5	18.8	3.97
	67	38.4	27.0	2.71	37.1	26.5	2.98	35.6	25.9	3.27	34.1	25.3	3.58	32.4	24.7	3.92
	62	35.2	32.7	2.69	33.9	32.1	2.95	32.6	31.4	3.23	31.2	30.6	3.54	29.8	29.6	3.89
	57	34.1	34.1	2.68	33.1	33.1	2.95	32.0	32.0	3.23	30.9	30.9	3.54	29.7	29.7	3.90
1350	72	42.4	21.9	2.80	40.9	21.4	3.07	39.2	20.8	3.35	37.6	20.2	3.68	35.9	19.6	4.04
	67	38.9	28.5	2.77	37.6	28.0	3.04	36.1	27.4	3.33	34.5	26.8	3.64	32.8	26.1	3.99
	62	35.8	34.5	2.75	34.5	33.8	3.00	33.2	32.9	3.30	31.8	31.8	3.61	30.5	30.5	3.95
	57	35.2	35.2	2.74	34.2	34.2	3.01	33.0	33.0	3.29	31.8	31.8	3.60	30.5	30.5	3.96

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/	036	1.00	1.00
CD5BA	042	0.99	1.00
CD5A/CD5BW	036	1.00	1.00
CD3(A,B)A	036	1.00	1.00
	042	0.99	1.00
CD3CA	042	0.97	1.00
CC5A/CD5A/			
CD5BW	042	0.99	1.00
CE3AA	036	0.98	1.00
	042	1.00	1.00
CF5AA	036	0.99	1.00
CG5AA	036	0.99	1.00
F(A,B)4ANF	036	0.98	1.02
F(A,B)4AN(F,B)	042	0.99	1.01
FC4BNF	036	0.98	1.02
	033	0.99	1.01
	038	1.01	1.02
FC4BN(F,B)	042	0.99	1.01
FC4BNB	054	1.01	1.00
FG3AAA	036	0.98	1.00
FK4BNB	005	1.01	0.95
	006	1.01	0.94

Indoor Section	Size	Cooling Capacity	Cooling Power
FK4BNF	001	0.98	0.96
	002	0.98	0.96
	003	0.99	0.94
	004	0.99	0.95
COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/			
CD5BA	036	0.99	0.94
CD3(A,B)A	036	0.99	0.94
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/			
CD5BA	036	0.99	0.94
CD3(A,B)A	036	0.99	0.94
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/			
CD5BA	036	0.99	0.94
CD3(A,B)A	036	0.99	0.94
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
CC5A/CD5A/			
CD5BA	036	0.99	0.94
CD3(A,B)A	036	0.99	0.94
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See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System KW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System KW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System KW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System KW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System KW**
38TRA042-31 Outdoor Section With CC5A/CD5A/CD5BA042 Indoor Section																
1225	72	47.6	23.3	3.07	45.9	22.7	3.40	44.2	22.0	3.75	42.3	21.3	4.15	40.2	20.6	4.66
	67	43.5	29.3	3.03	41.9	28.7	3.35	40.3	28.0	3.70	38.5	27.2	4.09	36.6	26.4	4.58
	62	39.6	35.1	2.99	38.2	34.4	3.30	36.6	33.6	3.65	35.0	32.8	4.03	33.2	31.8	4.51
	57	37.6	37.6	2.98	36.5	36.5	3.29	35.3	35.3	3.63	34.0	34.0	4.01	32.6	32.6	4.49
1400	72	48.5	24.3	3.14	46.8	23.7	3.47	44.9	23.0	3.82	43.0	22.3	4.22	40.8	21.6	4.73
	67	44.4	31.1	3.09	42.7	30.4	3.42	41.0	29.7	3.78	39.2	29.0	4.16	37.2	28.1	4.66
	62	40.5	37.4	3.05	39.0	36.7	3.37	37.4	35.8	3.73	35.7	34.8	4.17	33.8	33.6	4.66
	57	39.1	39.1	3.04	37.9	37.9	3.36	36.7	36.7	3.70	35.2	35.2	4.16	33.7	33.7	4.65
1575	72	49.2	25.3	3.20	47.4	24.7	3.53	45.5	24.0	3.90	43.5	23.3	4.29	41.3	22.5	4.80
	67	45.0	32.7	3.16	43.3	32.1	3.49	41.6	31.3	3.84	39.7	30.6	4.23	37.6	29.8	4.73
	62	41.2	39.5	3.12	39.6	38.6	3.44	38.1	37.6	3.79	36.3	36.3	4.23	34.7	34.7	4.73
	57	40.4	40.4	3.11	39.1	39.1	3.42	37.7	37.7	3.84	36.3	36.3	4.22	34.7	34.7	4.71

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	042	1.00	1.00
CD3(A,B)A	042	1.00	1.00
	048	1.00	1.00
CD3CA	048	0.99	1.00
CC5A/CD5A/ CD5BW	042	0.99	1.00
	048	1.00	1.00
CD5A/CD5BA	048	1.00	1.00
CC5A/CD5A/ CD5BC	048	0.99	1.00
CE3AA	042	0.99	1.00
	048	1.00	1.00
CF5AA	048	1.00	1.00
CG5AA	048	1.00	1.00
F(A,B)4AN(F,B)	042	0.99	1.01
	048	1.00	1.02

Indoor Section	Size	Cooling Capacity	Cooling Power
FC4BN(F,B)	042	0.99	1.01
	048	1.00	1.02
FC4BNF	038	1.01	1.02
FC4BNB	054	1.01	1.00
FG3AAA	048	0.99	1.00
FK4BNB	005	1.01	0.95
	006	1.01	0.95
FK4BNF	003	0.99	0.95
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	042	0.99	0.95
CD3(A,B)A	042	0.99	0.95
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BA	042	0.99	0.95
CD3(A,B)A	042	0.99	0.95

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA048-31 Outdoor Section With CC5A/CD5A/CD5BA060 Indoor Section																
1400	72	56.0	27.0	3.66	53.8	26.1	4.10	51.4	25.2	4.58	48.9	24.3	5.10	46.0	23.2	5.62
	67	51.3	33.6	3.62	49.2	32.7	4.05	47.0	31.8	4.52	44.7	30.8	5.03	42.3	29.8	5.55
	62	47.0	40.2	3.60	45.1	39.3	4.02	43.0	38.3	4.48	40.9	37.2	4.97	38.7	36.1	5.48
	57	43.9	43.9	3.59	42.5	42.5	4.01	40.9	40.9	4.46	39.3	39.3	4.94	37.5	37.5	5.46
1600	72	57.0	28.0	3.74	54.7	27.1	4.17	52.2	26.2	4.66	49.6	25.3	5.18	46.6	24.2	5.71
	67	52.5	35.5	3.71	50.3	34.6	4.14	48.0	33.7	4.61	45.6	32.7	5.12	43.1	31.7	5.66
	62	47.9	42.7	3.68	45.9	41.7	4.10	43.7	40.6	4.56	41.5	39.5	5.05	39.3	38.2	5.57
	57	45.6	45.6	3.67	44.1	44.1	4.09	42.4	42.4	4.55	40.6	40.6	5.04	38.8	38.8	5.56
1800	72	57.8	29.0	3.81	55.3	28.1	4.25	52.8	27.2	4.73	50.1	26.2	5.26	46.9	25.1	5.79
	67	53.2	37.2	3.79	51.2	36.4	4.23	48.8	35.5	4.70	46.1	34.4	5.20	43.5	33.3	5.73
	62	48.8	45.1	3.76	46.8	44.1	4.19	44.6	42.9	4.65	42.1	41.4	5.13	39.8	39.7	5.66
	57	47.0	47.0	3.74	45.5	45.5	4.18	43.6	43.6	4.63	41.7	41.7	5.13	39.8	39.8	5.66

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	060	1.00	1.00
CD5A/CD5BA	048	0.99	1.00
CD3(A,B)A	048	0.99	1.00
	060	1.00	1.00
CC5A/CD5A/ CD5BC	048	0.98	0.99
CC5A/CD5A/ CD5BW	048	0.99	1.00
	060	1.01	1.00
CD3CA	060	1.00	1.00
CE3AA	048	0.99	1.00
	060	1.00	1.00
	—	—	—

Indoor Section	Size	Cooling Capacity	Cooling Power
CF5AA	048	0.99	0.99
CG5AA	048	0.99	0.99
F(A,B)4AN(F,B)	048	0.99	1.02
	060	1.00	1.04
FC4BN(F,B)	048	0.99	1.02
	060	1.00	1.04
FC4BNB	054	1.01	1.02
FG3AAA	048	0.99	1.00
	060	1.00	1.00
FK4BNB	006	1.01	0.98
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.00	0.96

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		75			85			95			105			115		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA060-31 Outdoor Section With CC5A/CD5A/CD5BW060 Indoor Section																
1750	72	66.5	32.5	4.50	63.9	31.5	4.98	61.1	30.4	5.50	58.2	29.4	6.08	55.1	28.2	6.71
	67	61.2	41.0	4.45	58.8	39.9	4.92	56.2	38.9	5.43	53.5	37.8	6.00	50.7	36.6	6.64
	62	56.1	49.3	4.41	53.9	48.2	4.86	51.5	47.0	5.37	49.0	45.8	5.94	46.8	44.6	6.58
	57	53.0	53.0	4.36	51.4	51.4	4.85	49.6	49.6	5.35	47.7	47.7	5.92	45.7	45.7	6.54
2000	72	67.6	33.8	4.60	64.8	32.7	5.08	61.9	31.7	5.61	58.8	30.6	6.18	55.7	29.5	6.82
	67	62.2	43.2	4.55	59.7	42.2	5.02	57.0	41.1	5.53	54.2	40.0	6.11	51.3	38.8	6.74
	62	57.1	52.3	4.50	54.8	51.2	4.96	52.3	49.9	5.47	50.1	48.6	6.06	47.8	47.2	6.72
	57	55.1	55.1	4.49	53.2	53.2	4.95	51.3	51.3	5.46	49.2	49.2	6.03	47.3	47.3	6.68
2250	72	68.3	35.0	4.70	65.5	34.0	5.18	62.5	32.9	5.70	59.3	31.8	6.28	56.1	30.6	6.92
	67	63.0	45.4	4.65	60.3	44.4	5.11	57.6	43.3	5.63	55.0	42.3	6.22	52.0	41.1	6.86
	62	57.9	55.1	4.59	55.5	53.8	5.06	53.3	52.5	5.59	51.0	50.9	6.18	48.7	48.7	6.82
	57	56.7	56.7	4.59	54.8	54.8	5.06	52.7	52.7	5.57	50.7	50.7	6.16	48.7	48.7	6.82

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5A/ CD5BW	060	1.00	1.00	**F(A,B)4AN(F,B)**	060	1.00	1.04
				FB4ANB	070	1.02	1.02
CC5A/CD5A/ CD5BA	060	0.96	0.97	**FC4BNB**	054	1.02	1.01
					070	1.02	1.02
CD3(A,B)A	060	0.96	0.97	**FC4BN(F,B)**	060	1.00	1.04
CE3AA	060	1.00	1.00	**FG3AAA**	060	1.00	1.00
CD3CA	070	0.98	1.01	**FK4BNB**	006	1.02	1.00

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240-89. 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.

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA018-31 Outdoor Section With CC5A/CD5A/CD5BA018 Indoor Section																
525	72	20.1	9.75	1.49	19.3	9.46	1.68	18.5	9.17	1.89	17.7	8.85	2.1	16.8	8.52	2.38
	67	18.4	12.2	1.50	17.7	11.9	1.69	16.9	11.6	1.90	16.1	11.3	2.1	15.3	10.9	2.38
	62	16.7	14.6	1.49	16.0	14.3	1.68	15.3	14.0	1.89	14.6	13.6	2.1	13.9	13.2	2.36
	57	15.8	15.8	1.50	15.3	15.3	1.69	14.8	14.8	1.89	14.2	14.2	2.1	13.6	13.6	2.36
600	72	20.5	10.2	1.51	19.7	9.87	1.71	18.8	9.56	1.92	18.0	9.25	2.1	17.0	8.91	2.41
	67	18.7	12.9	1.52	18.0	12.6	1.71	17.2	12.3	1.93	16.4	12.0	2.1	15.5	11.6	2.41
	62	17.1	15.6	1.52	16.4	15.2	1.71	15.7	14.9	1.91	14.9	14.5	2.1	14.1	14.0	2.39
	57	16.4	16.4	1.52	15.9	15.9	1.71	15.3	15.3	1.92	14.7	14.7	2.1	14.1	14.1	2.39
675	72	20.8	10.5	1.54	19.9	10.2	1.73	19.1	9.94	1.95	18.2	9.62	2.1	17.2	9.29	2.44
	67	19.0	13.6	1.55	18.3	13.3	1.74	17.5	13.0	1.95	16.6	12.6	2.1	15.7	12.3	2.44
	62	17.3	16.4	1.54	16.6	16.1	1.73	15.9	15.6	1.94	15.2	15.1	2.1	14.5	14.5	2.42
	57	17.0	17.0	1.55	16.4	16.4	1.74	15.8	15.8	1.95	15.1	15.1	2.1	14.4	14.4	2.42

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	018	1.00	1.00
	024	1.03	1.00
CD3(A,B)A	018	1.00	1.00
	024	1.03	1.00
CC5A/CD5A/ CD5BW	024	1.03	1.00
CD3CA	024	1.03	0.99
CE3AA	024	1.03	1.00
CF5AA	024	1.03	1.00
CG5AA	024	1.03	1.00
F(A,B)4ANF	018	1.00	1.00
	024	1.03	1.00
FC4BNF	024	1.03	1.00
	033	1.06	1.02
FD3ANA	018	1.00	1.02
	024	1.03	0.99
FF1(A,B)NA	018	1.00	0.97
	024	1.03	1.00
FG3AAA	024	1.03	1.00
FK4BNF	001	1.06	0.91
	002	1.06	0.91
	004	1.06	0.90

Indoor Section	Size	Cooling Capacity	Cooling Power
FK4CNF	001	1.06	0.91
	002	1.06	0.91
COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	018	1.00	0.92
	024	1.03	0.92
CD3(A,B)A	018	1.00	0.92
	024	1.03	0.92
COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	018	1.00	0.92
	024	1.03	0.92
CD3(A,B)A	018	1.00	0.92
	024	1.03	0.92
COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	018	1.00	0.92
	024	1.03	0.92
CD3(A,B)A	018	1.00	0.92
	024	1.03	0.92
COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.03	0.90
CD3(A,B)A	024	1.03	0.90
CE3AA	024	1.03	0.91

See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA024-32 Outdoor Section With CC5A/CD5A/CD5BA024 Indoor Section																
700	72	25.7	12.6	1.88	24.8	12.3	2.09	23.8	11.9	2.31	22.7	11.5	2.5	21.6	11.1	2.84
	67	23.4	15.9	1.89	22.6	15.5	2.09	21.6	15.1	2.31	20.7	14.7	2.5	19.7	14.3	2.82
	62	21.3	19.1	1.89	20.5	18.7	2.09	19.6	18.2	2.30	18.7	17.8	2.5	17.8	17.3	2.82
	57	20.3	20.3	1.89	19.6	19.6	2.09	18.9	18.9	2.30	18.2	18.2	2.5	17.5	17.5	2.82
800	72	26.1	13.2	1.92	25.2	12.8	2.13	24.2	12.5	2.35	23.1	12.1	2.6	22.0	11.7	2.88
	67	23.9	16.8	1.92	23.0	16.5	2.13	22.0	16.1	2.35	21.0	15.7	2.6	20.0	15.3	2.86
	62	21.8	20.3	1.93	20.9	19.9	2.13	20.0	19.4	2.34	19.1	18.8	2.5	18.2	18.2	2.86
	57	21.1	21.1	1.93	20.4	20.4	2.12	19.7	19.7	2.34	18.9	18.9	2.5	18.1	18.1	2.87
900	72	26.5	13.7	1.96	25.6	13.3	2.17	24.5	13.0	2.39	23.4	12.6	2.6	22.2	12.2	2.92
	67	24.2	17.7	1.96	23.3	17.4	2.17	22.3	17.0	2.39	21.3	16.6	2.6	20.2	16.2	2.90
	62	22.1	21.4	1.97	21.3	20.9	2.17	20.4	20.3	2.38	19.5	19.5	2.6	18.7	18.7	2.91
	57	21.8	21.8	1.96	21.1	21.1	2.16	20.3	20.3	2.38	19.5	19.5	2.6	18.7	18.7	2.90

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	024	1.00	1.00
	030	1.01	1.00
CD3(A,B)A	024	1.00	1.00
	030	1.01	1.00
CC5A/CD5A/ CD5BW	024	1.00	1.00
	030	1.01	1.00
CD3CA	024	1.00	0.99
	030	1.01	0.99
CE3AA	024	1.00	1.00
	030	1.01	1.00
CF5AA	024	1.00	1.00
CG5AA	024	1.00	1.00
F(A,B)4ANF	024	1.01	1.00
	030	1.03	0.99
FC4BNF	024	1.01	1.00
	030	1.03	0.99
	033	1.04	1.00
FD3ANA	024	1.00	0.98
	030	1.03	1.00
FF1(A,B)NA	024	1.00	1.01
	030	1.03	1.01
FG3AAA	024	0.99	1.00
FK4BNF	001	1.02	0.93
	002	1.03	0.93
	003	1.03	0.90
	004	1.04	0.91

Indoor Section	Size	Cooling Capacity	Cooling Power
FK4CNF	001	1.02	0.93
	002	1.03	0.93
	003	1.03	0.90
COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.01	0.93
	030	1.03	0.92
CD3(A,B)A	024	1.01	0.93
	030	1.03	0.92
COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.01	0.93
	030	1.03	0.92
CD3(A,B)A	024	1.01	0.93
	030	1.03	0.92
COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	024	1.01	0.93
	030	1.03	0.92
CD3(A,B)A	024	1.01	0.93
	030	1.03	0.92
COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.03	0.90
CD3(A,B)A	030	1.03	0.90
CE3AA	030	1.03	0.90
	—	—	—

See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA030-32 Outdoor Section With CC5A/CD5A/CD5BA030 Indoor Section																
875	72	32.3	15.8	2.37	31.0	15.3	2.68	29.8	14.8	3.04	28.4	14.3	3.4	27.0	13.8	3.86
	67	29.6	19.8	2.39	28.5	19.4	2.71	27.3	18.9	3.07	26.0	18.3	3.4	24.6	17.8	3.86
	62	27.0	23.8	2.41	25.9	23.3	2.73	24.8	22.8	3.09	23.7	22.2	3.4	22.4	21.5	3.86
	57	25.6	25.6	2.43	24.8	24.8	2.75	23.9	23.9	3.09	22.9	22.9	3.4	22.0	22.0	3.88
1000	72	32.8	16.4	2.40	31.6	15.9	2.72	30.3	15.5	3.08	28.9	15.0	3.4	27.4	14.4	3.92
	67	30.1	21.0	2.44	29.0	20.5	2.76	27.7	20.0	3.10	26.4	19.5	3.4	25.0	18.9	3.92
	62	27.5	25.4	2.46	26.5	24.8	2.78	25.3	24.2	3.14	24.1	23.5	3.5	22.9	22.7	3.91
	57	26.5	26.5	2.46	25.7	25.7	2.78	24.8	24.8	3.13	23.8	23.8	3.5	22.8	22.8	3.93
1125	72	33.3	17.0	2.44	32.0	16.6	2.77	30.7	16.1	3.13	29.2	15.6	3.5	27.6	15.0	3.94
	67	30.6	22.1	2.48	29.3	21.6	2.79	28.1	21.1	3.15	26.7	20.5	3.5	25.3	20.0	3.97
	62	28.0	26.7	2.50	26.9	26.1	2.83	25.7	25.4	3.17	24.5	24.5	3.5	23.4	23.4	3.97
	57	27.4	27.4	2.50	26.4	26.4	2.81	25.5	25.5	3.17	24.5	24.5	3.5	23.4	23.4	3.98

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	030	1.00	1.00
	036	1.02	1.00
CC5A/CD5A/ CD5BW	030	1.00	1.00
CD3(A,B)A	030	1.00	1.00
	036	1.02	1.00
CD5A/CD5BW	036	1.02	1.00
CD3CA	030	0.99	0.98
	036	1.00	0.98
CE3AA	030	1.00	1.00
	036	1.02	1.00
CF5AA	036	1.02	1.00
CG5AA	036	1.02	1.00
F(A,B)4ANF	030	1.01	0.99
	036	1.02	1.01
FC4BNF	030	1.01	0.99
	033	1.03	1.00
	036	1.02	1.01
FD3ANA	030	1.01	1.01
FF1(A,B)NA	030	1.02	1.00
FG3AAA	036	1.01	1.00
FK4BNF	001	1.02	0.96
	002	1.02	0.96
	003	1.03	0.92
	004	1.04	0.93
FK4CNF	001	1.02	0.96
	002	1.02	0.96
	003	1.03	0.92

Indoor Section	Size	Cooling Capacity	Cooling Power
COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.02	0.94
	036	1.03	0.93
CD3(A,B)A	030	1.02	0.94
	036	1.03	0.93
COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.02	0.94
	036	1.03	0.93
CD3(A,B)A	030	1.02	0.94
	036	1.03	0.93
COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	030	1.02	0.94
	036	1.03	0.93
CD3(A,B)A	030	1.02	0.94
	036	1.03	0.93
COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	036	1.03	0.91
CD3(A,B)A	036	1.03	0.91
CE3AA	036	1.03	0.92
COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	036	1.03	0.91
CD3(A,B)A	036	1.03	0.91
CE3AA	036	1.03	0.92
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See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA036-33 Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section																
1050	72	39.0	19.3	2.91	37.6	18.7	3.23	35.9	18.1	3.56	34.2	17.5	3.9	32.5	16.9	4.36
	67	35.8	24.5	2.89	34.4	23.9	3.21	32.8	23.2	3.53	31.3	22.6	3.9	29.7	22.0	4.32
	62	32.7	29.4	2.87	31.4	28.8	3.19	30.0	28.1	3.51	28.6	27.4	3.8	27.1	26.5	4.29
	57	31.3	31.3	2.87	30.3	30.3	3.18	29.2	29.2	3.51	28.0	28.0	3.8	26.9	26.9	4.29
1200	72	39.7	20.2	2.97	38.2	19.6	3.29	36.5	19.0	3.62	34.8	18.4	4.0	32.8	17.7	4.40
	67	36.4	26.0	2.95	35.0	25.4	3.27	33.4	24.7	3.60	31.8	24.1	3.9	30.2	23.5	4.39
	62	33.4	31.4	2.94	32.0	30.7	3.24	30.6	29.9	3.59	29.1	28.9	3.9	27.8	27.8	4.34
	57	32.5	32.5	2.93	31.4	31.4	3.25	30.3	30.3	3.58	29.0	29.0	3.9	27.8	27.8	4.35
1350	72	40.3	21.0	3.03	38.5	20.4	3.33	36.9	19.8	3.69	35.1	19.2	4.0	33.2	18.5	4.47
	67	36.9	27.4	3.01	35.3	26.7	3.31	33.8	26.2	3.66	32.2	25.5	4.0	30.3	24.8	4.42
	62	33.9	33.1	3.00	32.5	32.2	3.29	31.2	31.2	3.64	29.9	29.9	4.0	28.5	28.5	4.40
	57	33.5	33.5	2.99	32.4	32.4	3.31	31.2	31.2	3.64	29.9	29.9	4.0	28.5	28.5	4.40

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/	036	1.00	1.00
CD5BA	042	100	1.00
CD5A/CD5BW	036	1.00	1.00
CD3(A,B)A	036	1.00	1.00
	042	1.00	1.00
CC5A/CD5A/			
CD5BW	042	1.00	1.00
CD3CA	036	0.97	0.98
	042	0.98	0.98
CE3AA	036	0.99	1.00
	042	1.01	1.00
CF5AA	036	1.01	1.00
CG5AA	036	1.01	1.00
F(A,B)4ANF	036	1.00	1.00
F(A,B)4AN(F,B)	042	1.01	1.01
FC4BNF	033	1.01	1.01
	036	1.00	1.00
	038	1.03	1.02
FC4BN(F,B)	042	1.01	1.01
FC4BNB	054	1.03	1.00
FG3AAA	036	0.99	1.00
FK4BNF	001	1.00	0.98
	002	1.00	0.98
	003	1.01	0.93
	004	1.01	0.95
FK4BNB	005	1.03	0.94
	006	1.03	0.93
FK4CNF	001	1.00	0.98
	002	1.00	0.98
	003	1.01	0.93
	005	1.03	0.94
FK4CNB	006	1.03	0.93
COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/	036	1.01	0.92
CD5BA	042	1.01	0.92
CD3(A,B)A	036	1.01	0.92
	042	1.01	0.92

Indoor Section	Size	Cooling Capacity	Cooling Power
COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/	036	1.01	0.92
CD5BA	042	1.01	0.92
CD3(A,B)A	036	1.01	0.92
	042	1.01	0.92
COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
CC5A/CD5A/	036	1.01	0.92
CD5BA	042	1.01	0.92
CD3(A,B)A	036	1.01	0.92
	042	1.01	0.92
COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/	036	1.01	0.92
CD5BA	042	1.01	0.93
CD3(A,B)A	036	1.01	0.92
	042	1.01	0.92
COILS + 58U(H,X)V060-12 VARIABLE SPEED FURNACE			
CC5A/CD5A/			
CD5BA	042	1.01	0.93
CD3(A,B)A	042	1.01	0.93
CE3AA	042	1.01	0.93
COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE			
CC5A/CD5A/			
CD5BA	042	1.01	0.93
CD3(A,B)A	042	1.01	0.93
CE3AA	042	1.01	0.93
COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/			
CD5BA	042	1.01	0.93
CD3(A,B)A	042	1.01	0.93
CE3AA	042	1.01	0.93
COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/			
CD5BA	042	1.01	0.93
CD3(A,B)A	042	1.01	0.93
CE3AA	042	1.01	0.93
	—	—	—

See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA042-33 Outdoor Section With CC5A/CD5BA/CD5BA042 Indoor Section																
1225	72	45.8	22.5	3.47	44.1	21.8	3.83	42.3	21.2	4.22	40.5	20.5	4.6	38.7	19.8	5.13
	67	41.8	28.3	3.44	40.2	27.6	3.78	38.6	27.0	4.17	36.9	26.3	4.6	35.2	25.6	5.07
	62	38.0	33.9	3.40	36.6	33.2	3.74	35.1	32.5	4.13	33.6	31.7	4.5	32.1	30.9	5.02
	57	36.2	36.2	3.38	35.1	35.1	3.73	33.9	33.9	4.12	32.7	32.7	4.5	31.5	31.5	5.01
1400	72	46.6	23.5	3.55	44.9	22.8	3.91	43.0	22.1	4.29	41.2	21.5	4.7	39.3	20.8	5.21
	67	42.6	30.0	3.52	41.0	29.3	3.87	39.3	28.7	4.25	37.5	27.9	4.6	35.8	27.2	5.15
	62	38.8	36.2	3.48	37.4	35.4	3.83	35.8	34.5	4.20	34.3	33.6	4.6	32.8	32.6	5.10
	57	37.6	37.6	3.46	36.4	36.4	3.81	35.2	35.2	4.20	33.9	33.9	4.6	32.6	32.6	5.11
1575	72	47.3	24.4	3.62	45.5	23.7	3.98	43.6	23.1	4.37	41.6	22.4	4.8	39.6	21.7	5.28
	67	43.3	31.6	3.59	41.5	31.0	3.94	39.8	30.3	4.32	38.0	29.5	4.7	36.2	28.8	5.22
	62	39.5	38.2	3.56	38.0	37.2	3.90	36.5	36.2	4.28	35.0	35.0	4.7	33.6	33.6	5.19
	57	38.9	38.9	3.55	37.6	37.6	3.89	36.3	36.3	4.28	34.9	34.9	4.7	33.6	33.6	5.19

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	042	1.00	1.00
CD3(A,B)A	042	1.00	1.00
	048	1.00	1.00
CC5A/CD5A/ CD5BW	042	1.00	1.00
	048	1.00	1.00
CD5A/CD5BA	048	1.00	1.00
CC5A/CD5A/ CD5BC	048	0.99	1.00
CD3CA	042	0.96	0.98
	048	0.99	0.98
CE3AA	042	1.00	1.00
	048	1.01	1.00
CF5AA	048	1.01	1.00
CG5AA	048	1.01	1.00
F(A,B)4AN(F,B)	042	1.00	1.01
	048	1.01	1.02
FC4BN(F,B)	042	1.00	1.01
FC4BN(F,B)	048	1.01	1.02
FC4BNF	038	1.02	1.02
FC4BNB	054	1.05	1.00
FG3AAA	048	1.00	1.00
FK4BNF	003	1.01	0.95
FK4CNF	003	1.01	0.95
	005	1.02	0.96
FK4BNB	005	1.02	0.96
	006	1.05	0.94

Indoor Section	Size	Cooling Capacity	Cooling Power
FK4CNB	006	1.05	0.94
COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
C5A/CD5A/ CD5BA	042	1.00	0.93
CD3(A,B)A	042	1.00	0.93
	048	1.00	0.92
CD5A/CD5BA	048	1.00	0.92
COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BA	042	1.00	0.93
CD3(A,B)A	042	1.00	0.93
	048	1.00	0.92
CD5A/CD5BA	048	1.00	0.92
COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE			
CD5A/CD5BA	048	1.00	0.92
CD3(A,B)A	048	1.00	0.92
CE3AA	048	1.00	0.92
COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE			
CD5A/CD5BA	048	1.00	0.92
CD3(A,B)A	048	1.00	0.92
CE3AA	048	1.00	0.92
COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE			
CD5A/CD5BA	048	1.00	0.92
CD3(A,B)A	048	1.00	0.92
CE3AA	048	1.00	0.92
	—	—	—

See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA048-33 Outdoor Section With CC5A/CD5A/CD5BA048 Indoor Section																
1400	72	56.0	27.0	3.66	53.8	26.1	4.10	51.4	25.2	4.58	48.9	24.3	5.10	46.0	23.2	5.62
	67	51.3	33.6	3.62	49.2	32.7	4.05	47.0	31.8	4.52	44.7	30.8	5.03	42.3	29.8	5.55
	62	47.0	40.2	3.60	45.1	39.3	4.02	43.0	38.3	4.48	40.9	37.2	4.97	38.7	36.1	5.48
	57	43.9	43.9	3.59	42.5	42.5	4.01	40.9	40.9	4.46	39.3	39.3	4.94	37.5	37.5	5.46
1600	72	57.0	28.0	3.74	54.7	27.1	4.17	52.2	26.2	4.66	49.6	25.3	5.18	46.6	24.2	5.71
	67	52.5	35.5	3.71	50.3	34.6	4.14	48.0	33.7	4.61	45.6	32.7	5.12	43.1	31.7	5.66
	62	47.9	42.7	3.68	45.9	41.7	4.10	43.7	40.6	4.56	41.5	39.5	5.05	39.3	38.2	5.57
	57	45.6	45.6	3.67	44.1	44.1	4.09	42.4	42.4	4.55	40.6	40.6	5.04	38.8	38.8	5.56
1800	72	57.8	29.0	3.81	55.3	28.1	4.25	52.8	27.2	4.73	50.1	26.2	5.26	46.9	25.1	5.79
	67	53.2	37.2	3.79	51.2	36.4	4.23	48.8	35.5	4.70	46.1	34.4	5.20	43.5	33.3	5.73
	62	48.8	45.1	3.76	46.8	44.1	4.19	44.6	42.9	4.65	42.1	41.4	5.13	39.8	39.7	5.66
	57	47.0	47.0	3.74	45.5	45.5	4.18	43.6	43.6	4.63	41.7	41.7	5.13	39.8	39.8	5.66

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BA	060	1.00	1.00
CD5A/CD5BA	048	0.99	1.00
CD3(A,B)A	048	0.99	1.00
	060	1.00	1.00
CC5A/CD5A/ CD5BC	048	0.98	0.99
CC5A/CD5A/ CD5BW	048	0.99	1.00
	060	1.01	1.00
CD3CA	048	0.98	1.00
	060	1.00	1.00
CE3AA	048	0.99	1.00
	060	1.00	1.00
CF5AA	048	0.99	0.99
CG5AA	048	0.99	0.99
F(A,B)4AN(F,B)	048	0.99	1.02
	060	1.00	1.04
FC4BN(F,B)	048	0.99	1.02
	060	1.00	1.04
FC4BNB	054	1.01	1.02
FG3AAA	048	0.99	1.00
	060	1.00	1.00
FK4CNF	005	0.99	0.97

Indoor Section	Size	Cooling Capacity	Cooling Power
FK4BNB	006	1.01	0.98
FK4CNB	006	1.01	0.96
COILS + 58MVP080-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.00	0.96
COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.00	0.96
COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.01	0.95
COILS + 58U(H,X)V080-16 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.01	0.95
CE3AA	060	1.01	0.95
COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.01	0.95
CE3AA	060	1.01	0.95
COILS + 58U(H,X)V120-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.01	0.95
CE3AA	060	1.01	0.95

See notes on pg. 29.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**	Total	Sens‡	KW**
38TRA060-33 Outdoor Section With CC5A/CD5A/CD5BA060 Indoor Section																
1750	72	66.5	32.5	4.50	63.9	31.5	4.98	61.1	30.4	5.50	58.2	29.4	6.08	55.1	28.2	6.71
	67	61.2	41.0	4.45	58.8	39.9	4.92	56.2	38.9	5.43	53.5	37.8	6.00	50.7	36.6	6.64
	62	56.1	49.3	4.41	53.9	48.2	4.86	51.5	47.0	5.37	49.0	45.8	5.94	46.8	44.6	6.58
	57	53.0	53.0	4.36	51.4	51.4	4.85	49.6	49.6	5.35	47.7	47.7	5.92	45.7	45.7	6.54
2000	72	67.6	33.8	4.60	64.8	32.7	5.08	61.9	31.7	5.61	58.8	30.6	6.18	55.7	29.5	6.82
	67	62.2	43.2	4.55	59.7	42.2	5.02	57.0	41.1	5.53	54.2	40.0	6.11	51.3	38.8	6.74
	62	57.1	52.3	4.50	54.8	51.2	4.96	52.3	49.9	5.47	50.1	48.6	6.06	47.8	47.2	6.72
	57	55.1	55.1	4.49	53.2	53.2	4.95	51.3	51.3	5.46	49.2	49.2	6.03	47.3	47.3	6.68
2250	72	68.3	35.0	4.70	65.5	34.0	5.18	62.5	32.9	5.70	59.3	31.8	6.28	56.1	30.6	6.92
	67	63.0	45.4	4.65	60.3	44.4	5.11	57.6	43.3	5.63	55.0	42.3	6.22	52.0	41.1	6.86
	62	57.9	55.1	4.59	55.5	53.8	5.06	53.3	52.5	5.59	51.0	50.9	6.18	48.7	48.7	6.82
	57	56.7	56.7	4.59	54.8	54.8	5.06	52.7	52.7	5.57	50.7	50.7	6.16	48.7	48.7	6.82

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5A/ CD5BW	060	1.00	1.00
CC5A/CD5A/ CD5BA	060	0.96	0.97
CD3(A,B)A	060	0.96	0.97
CD3CA	060	0.98	1.00
	070	0.99	1.01
CE3AA	060	1.00	1.00
F(A,B)4AN(F,B)	060	1.00	1.04
	—	—	—

Indoor Section	Size	Cooling Capacity	Cooling Power
FB4ANB	070	1.02	1.02
FC4BN(F,B)	060	1.00	1.04
FC4BNB	054	1.02	1.01
	070	1.02	1.02
FG3AAA	060	1.00	1.00
FK4BNB	006	1.02	1.00
FK4CNB	006	1.02	1.00
COILS + 58U(H,X)V100-20 VARIABLE SPEED FURNACE			
CC5A/CD5A/ CD5BW	060	1.00	0.96

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation per ARI standard 210/240-89. 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.

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 without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: Indoor coil above = 50 ft, indoor coil below =150 ft. (See items 6 and 7 following.)
6. For interconnecting refrigerant tube lengths greater than 50 ft, consult Long-Line Application Guideline available from equipment distributor.
7. Not more than 36 in. 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.
8. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
9. Mixmatches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort.
10. Do not apply capillary tube indoor coils to these units.

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.

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