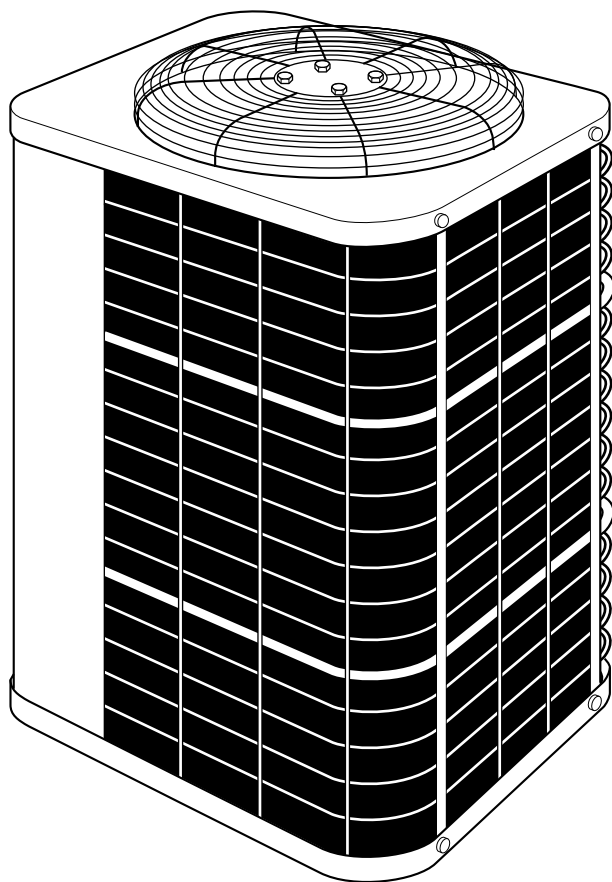




Model 593C Energy-Efficient Air Conditioners incorporate innovative technology to provide quiet, reliable summer cooling performance. Built into these units are the features most desired by homeowners today, including SEER ratings of up to 11.0 minimum when used with components as designated by manufacturer. All models are listed with UL, ARI, CEC, and cUL.

FEATURES

ELECTRICAL RANGE—018–060 units are offered in 208–230v single phase.

WIDE RANGE OF SIZES—Available in 7 nominal sizes from 018 through 060 to meet the needs for residential and light commercial applications.

WEATHER-PROTECTIVE 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 ceramic 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. 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 593C 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 on a slab.

EXTERNAL SERVICE VALVES—Both service valves are brass, front 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 controls and compressor. Removal of wire domed top gives access to fan motor. Removal of the top allows access to the coil.

COMPRESSOR PROTECTION—Each model is protected with internal temperature- and current-sensitive overloads. An internal pressure relief valve provides high-pressure protection to the refrigerant system.

WARRANTY—Standard 1 year on all parts, with an additional 4 years on compressor.

SPECIFICATIONS

UNIT SIZE	018-B	024-B	030-B	036-B
Operating Weight (Lb)	137	143	161	169
ELECTRICAL				
Unit Volts—Hertz—Phase	208—230—60—1			
Operating Voltage Range*	197—253			
Compressor— Rated Load Amps	8.6	10.9	13.7	15.0
Locked Rotor Amps	49.0	56.0	75.0	82.0
Condenser Fan Motor—Full Load Amps	0.5	0.5	0.8	1.4
Min Unit Ampacity for Wire Sizing	11.3	14.1	17.9	20.2
Min Wire Size (75°F Copper) AWG††	14	14	12/14	12
Min Wire Size (60°F Copper)††	14	14	12/14	12
Max Wire Length (Ft) (75° Copper)‡	62	50	66/42	57
Max Wire Length (Ft) (60° Copper)‡	66	53	70/44	60
Max Branch Circuit Fuse Size†	15	20	25	30
COMPRESSOR and REFRIGERANT				
Compressor—Manufacturer and Type	Copeland Reciprocating			
Temperature and Current Protection	Internal Line Break			
Refrigerant—Type and Amount (Lb)‡‡	R22 and 3.88	R22 and 4.44	R22 and 4.63	R22 and 5.50
Refrigerant Tubes (In. OD) Vapor and Liquid (up to 50 Ft)	5/8 and 3/8		3/4 and 3/8	
CONDENSER COIL and FAN				
Coil Face (Sq Ft)	7.2	7.2	8.8	10.9
Fan Motor—HP, Type, and RPM	1/12 PSC and 1100		1/10 PSC and 1100	1/4 PCS and 1100
Volts—Hertz—Phase	208—230—60—1			
Condenser Airflow (CFM)	1900	1900	2100	2600
OPTIONAL EQUIPMENT				
Start Assist-Cap/Relay (Hard Start)	KSAHS0601AAA**			
Start Assist-PTC	KAACS0101PTC			
Liquid Solenoid Valve	KAALS0101LLS**			
Cycle Protector	KSACY0101AAA			
Winter Start Control	KAAWS0101AAA			
Evap Freeze Thermostat	KAAFT0101AAA			
Filter Drier	P502-8083S (RCD)			
High-Pressure Switch	KSAHI0101HPS			
Low-Pressure Switch	KAALP0101LPS			
Time Delay Relay	KAATD0101TDR			
Support Feet	KSASF0101AAA			
Coastal Filter	KAACF0101SML			
Crankcase Heater	KAACH1001AAA			
Sound Hood	KSASH1101COP		KSASH1201COP	
TXV Kit (RPB)	KAATX0201RPB	KAATX0301RPB	KAATX0401RPB	KAATX0501RPB
TXV Kits (Hard Shut-off)	KAATX0901HSO	KAATX1001HSO	KAATX1101HSO	KAATX1201HSO
Low-Ambient Controller	P251-0083 (RCD)			
MotorMaster® Control	32LT660004 (RCD)***			
Ball Bearing Fan Motor	HC34GE231 (RCD)			
Thermostat, Auto Changeover, Non-Programmable, °F,°C, 1-Stage Heat, 1-Stage Cool	TSTATXXNAC01†††			
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATXXPAC01†††			
Thermostat, Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage Cool	HH07AT212			
Outdoor Sensor	TSTATBBSEN01			

See notes on page 3.



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

SPECIFICATIONS Continued

UNIT SIZE	042-A	048-B	060-B
Operating Weight (Lb)	206	199	217
ELECTRICAL			
Unit Volts—Hertz—Phase	208—230—60—1		
Operating Voltage Range*	197—253		
Compressor— Rated Load Amps	19.0	24.4	28.8
Locked Rotor Amps	105.0	140.0	165.0
Condenser Fan Motor—Full Load Amps	1.4	1.4	1.4
Min Unit Ampacity for Wire Sizing	25.2	31.9	37.4
Min Wire Size (75°F Copper) AWG††	10	10	8
Min Wire Size (60°F Copper)††	10	8	8
Max Wire Length (Ft) (75° Copper)‡	73	59	78
Max Wire Length (Ft) (60° Copper)‡	77	97	82
Max Branch Circuit Fuse Size†	40	50	60
COMPRESSOR and REFRIGERANT			
Compressor—Manufacturer and Type	Copeland Reciprocating	Millennium Scroll	Millennium Scroll
Temperature and Current Protection	Internal Line Break	Internal Line Break and Dome Thermostat	
Refrigerant—Type and Amount (Lb)‡‡	R22 and 5.51	R22 and 6.88	R22 and 8.01
Refrigerant Tubes (In. OD) Vapor and Liquid (Up to 50 Ft)	7/8 and 3/8	7/8 and 3/8	1-1/8 and 3/8
CONDENSER COIL and FAN			
Coil Face (Sq Ft)	12.2	15.2	18.3
Fan Motor—HP, Type, and RPM	1/4 PCS and 1100		
Volts—Hertz—Phase	208—230—60—1		
Condenser Airflow (CFM)	3000		
OPTIONAL EQUIPMENT			
Start Assist-Cap/Relay (Hard Start)	KSAHS0701AAA**	N/A	N/A
Start Assist-PTC	KAACS0201PTC		
Liquid Solenoid Valve	KAALS0101LLS**		
Cycle Protector	KSACY0101AAA	Standard	
Winter Start Control	KAAWS0101AAA		
Evap Freeze Thermostat	KAAFT0101AAA		
Filter Drier	P502-8163S (RCD)		
High-Pressure Switch	KSAHI0101HPS		
Low-Pressure Switch	KAALP0101LPS		
Time Delay Relay	KAATD0101TDR		
Support Feet	KSASF0101AAA		
Coastal Filter	KAACF0201MED		
Crankcase Heater	Standard	KAACH1201AAA	
Sound Hood	KSASH1201COP	Standard	
TXV Kit (RPB)	KAATX0501RPB	KAATX0601RPB	KAATX0701RPB
TXV Kits (Hard Shut-off)	KAATX1201HSO	KAATX1301HSO	KAATX1401HSO
Low-Ambient Controller	P251-0083 (RCD)		
MotorMaster® Control	32LT660004 (RCD)***		
Ball Bearing Fan Motor	HC34GE231 (RCD)		
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATXXNAC01†††		
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATXXPAC01†††		
Thermostat, Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage Cool	HH07AT212		
Outdoor Sensor	TSTATBBS01		

* Permissible limits of the voltage range at which the unit will operate satisfactorily. Operation outside these limits may result in unit failure.

Copper wire must be used from service disconnect to unit.

† Time-delay fuse or HACR circuit breaker.

‡ Length shown is as measured 1 way along wire path between unit and service panel for a voltage drop not to exceed 2%. All motors/compressors contain internal overload protection.

** Start assist capacitor and relay required when using liquid solenoid valve or hard shut-off TXV (except 048 and 060). Do not use hard shut-off TXV with liquid solenoid valve.

†† Consult applicable tables of the National Electric Code (ANSI/NFPA 70), if wire used is not listed.

‡‡ Charge quantity is for 15 ft of interconnecting tubing. For tubing lengths other than 15 ft, see Long-Line Application Guideline for additional refrigerant requirements.

*** Fan motor with ball bearings required.

††† Where XX appears, insert BB for Bryant, DD for Day & Night, or PP for Payne brand.

N/A—Not applicable in this application.

CHECK-FLO-RATER® PISTON

UNIT SIZE—SERIES	PISTON* IDENTIFICATION NO.
018-B	55
024-B	57
030-B	67
036-B	73
042-A	78
048-B	82
060-B	96

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

RATINGS AND PERFORMANCE

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTU/H	FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (dBA)‡
					TDR†	TXV	
018-B	CC5A/CD5A/CD5BA018*	17,200	NONE	10.00	10.50	10.50	76
	CC5A/CD5A/CD5BA024	17,800	NONE	10.50	11.00	11.00	76
	CC5A/CD5A/CD5BW024	17,800	NONE	10.50	11.00	11.00	76
	CD3(A,B)A018	17,200	NONE	10.00	10.50	10.50	76
	CD3(A,B)A024	17,800	NONE	10.50	11.00	11.00	76
	CD3CA024	17,200	NONE	10.00	10.50	10.50	76
	CE3AA024	18,000	NONE	10.50	11.00	11.00	76
	CF5AA024	18,000	NONE	10.50	11.00	11.00	76
	CG5AA024	18,000	TXV	10.50	11.00	—	76
	F(A,B)4ANF018	17,000	TDR	10.00	—	10.00	76
	F(A,B)4ANF024	18,000	TDR	10.50	—	10.50	76
	FC4BNF024	18,000	TDR & TXV	10.50	—	—	76
	FD3ANA018	17,100	NONE	10.00	10.30	10.30	76
	FD3ANA024	17,400	NONE	10.20	10.50	10.50	76
	FF1(A,B)NA018	17,000	TDR	10.00	—	10.50	76
	FF1(A,B)NA024	18,000	TDR	10.20	—	10.50	76
	FG3AA024	17,600	NONE	10.20	10.60	10.60	76
	FK4BNF001	18,000	TDR & TXV	12.00	—	—	76
	FK4BNF002	18,000	TDR & TXV	12.00	—	—	76
	FK4BNF004	18,000	TDR & TXV	12.50	—	—	76
	FK4CNF001	18,000	TDR & TXV	12.00	—	—	76
	FK4CNF002	18,000	TDR & TXV	12.00	—	—	76
	COILS + 355MAV042040 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA018	17,600	NONE	11.00	—	11.00	76
	CD3(A,B)A018	17,600	NONE	11.00	—	11.00	76
	COILS + 355MAV042060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA018	17,600	NONE	11.00	—	11.00	76
	CD3(A,B)A018	17,600	NONE	11.00	—	11.00	76
	COILS + 355MAV042080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA018	17,600	NONE	11.00	—	11.00	76
	CD3(A,B)A018	17,600	NONE	11.00	—	11.00	76
	COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA018	17,200	NONE	11.00	—	11.00	76
	CC5A/CD5A/CD5BA024	17,600	NONE	11.50	—	11.50	76
	CC5A/CD5A/CD5BW024	17,600	NONE	11.50	—	11.50	76
	CD3(A,B)A018	17,200	NONE	11.00	—	11.00	76
	CD3(A,B)A024	17,600	NONE	11.50	—	11.50	76
	CD3CA024	17,600	NONE	11.50	—	11.50	76
	CE3AA024	17,600	NONE	11.50	—	11.50	76
024-B	CC5A/CD5A/CD5BA024*	23,000	NONE	10.00	10.20	10.20	78
	CC5A/CD5A/CD5BA030	23,000	NONE	10.00	10.50	10.50	78
	CC5A/CD5A/CD5BW024	23,000	NONE	10.00	10.20	10.20	78
	CC5A/CD5A/CD5BW030	23,000	NONE	10.10	10.50	10.50	78
	CD3(A,B)A024	23,000	NONE	10.00	10.20	10.20	78
	CD3(A,B)A030	23,000	NONE	10.10	10.50	10.50	78
	CD3CA024	23,000	NONE	10.00	10.20	10.20	78
	CD3CA030	23,000	NONE	10.00	10.20	10.20	78
	CE3AA024	23,200	NONE	10.00	10.20	10.20	78
	CE3AA030	23,400	NONE	10.10	10.50	10.50	78
	CF5AA024	23,000	NONE	10.10	10.50	10.50	78
	CG5AA024	23,000	TXV	10.10	10.50	—	78
	F(A,B)4ANF024	23,000	TDR	10.00	—	10.00	78
	F(A,B)4ANF030	23,200	TDR	10.20	—	10.20	78
	FC4BNF024	23,000	TDR & TXV	10.00	—	—	78
	FC4BNF030	23,400	TDR & TXV	10.20	—	—	78
	FD3ANA024	22,400	NONE	10.00	10.20	10.20	78
	FD3ANA030	23,200	NONE	10.00	10.20	10.20	78
	FF1(A,B)NA024	23,000	TDR	10.00	—	10.20	78
	FF1(A,B)NA030	23,400	TDR	10.00	—	10.20	78
	FG3AAA024	22,400	NONE	10.00	10.20	10.20	78
	FK4BNF001	24,000	TDR & TXV	11.50	—	—	78
	FK4BNF002	24,000	TDR & TXV	11.50	—	—	78
	FK4BNF003	24,000	TDR & TXV	11.50	—	—	78
	FK4BNF004	24,000	TDR & TXV	12.00	—	—	78
	FK4CNF001	24,000	TDR & TXV	11.50	—	—	78
	FK4CNF002	24,000	TDR & TXV	11.50	—	—	78
	FK4CNF003	24,000	TDR & TXV	11.50	—	—	78

See notes on page 9.

RATINGS AND PERFORMANCE Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (dBA)‡
					TDR†	TXV	
024-B	COILS + 355MAV042040 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA024	22,600	NONE	11.00	—	11.00	78
	CD3(A,B)A024	22,600	NONE	11.00	—	11.00	78
	COILS + 355MAV042060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA024	22,600	NONE	11.00	—	11.00	78
	CD3(A,B)A024	22,600	NONE	11.00	—	11.00	78
	COILS + 355MAV042080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA024	22,600	NONE	11.00	—	11.00	78
	CD3(A,B)A024	22,600	NONE	11.00	—	11.00	78
	COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA024	23,000	NONE	11.00	—	11.00	78
	CC5A/CD5A/CD5BA030	23,200	NONE	11.20	—	11.20	78
	CC5A/CD5A/CD5BW024	23,000	NONE	11.00	—	11.00	78
	CC5A/CD5A/CD5BW030	23,000	NONE	11.20	—	11.20	78
	030-B	CD3(A,B)A024	23,000	NONE	11.00	—	11.00
CD3(A,B)A030		23,200	NONE	11.20	—	11.20	78
CD3CA024		23,000	NONE	11.00	—	11.00	78
CD3CA030		23,200	NONE	11.20	—	11.20	78
CE3AA024		23,000	NONE	11.00	—	11.00	78
CE3AA030		23,200	NONE	11.20	—	11.20	78
CC5A/CD5A/CD5BA030*		28,600	NONE	10.00	10.20	10.20	80
CC5A/CD5A/CD5BA036		29,000	NONE	10.10	10.50	10.50	80
CC5A/CD5A/CD5BW030		28,600	NONE	10.00	10.20	10.20	80
CD3(A,B)A030		28,600	NONE	10.00	10.20	10.20	80
CD3(A,B)A036		29,000	NONE	10.10	10.50	10.50	80
CD5A/CD5BW036		29,000	NONE	10.10	10.50	10.50	80
CD3CA030		28,200	NONE	10.00	10.20	10.20	80
CD3CA036		28,600	NONE	10.00	10.20	10.20	80
CE3AA030		28,400	NONE	10.00	10.20	10.20	80
CE3AA036		29,000	NONE	10.10	10.50	10.50	80
CF5AA036		29,000	NONE	10.10	10.50	10.50	80
CG5AA036		29,000	TXV	10.10	10.50	—	80
F(A,B)4ANF030		28,200	TDR	10.00	—	10.00	80
F(A,B)4ANF036		28,800	TDR	10.20	—	10.20	80
FC4BNF030		28,400	TDR & TXV	10.00	—	—	80
FC4BNF036		28,800	TDR & TXV	10.20	—	—	80
FD3ANA030		28,400	NONE	10.00	—	10.00	80
FF1(A,B)NA030		28,400	TDR	10.00	—	10.00	80
FG3AAA036		29,000	NONE	10.20	10.50	10.50	80
FK4BNF001		29,600	TDR & TXV	11.00	—	—	80
FK4BNF002		29,600	TDR & TXV	11.00	—	—	80
FK4BNF003		29,600	TDR & TXV	11.20	—	—	80
FK4BNF004		30,000	TDR & TXV	11.20	—	—	80
FK4CNF001		29,600	TDR & TXV	11.00	—	—	80
FK4CNF002		29,600	TDR & TXV	11.00	—	—	80
FK4CNF003		29,600	TDR & TXV	11.20	—	—	80
FK4CNF005		30,000	TDR & TXV	11.50	—	—	80
COILS + 355MAV042040 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030		29,000	NONE	11.00	—	11.00	80
CD3(A,B)A030		29,000	NONE	11.00	—	11.00	80
COILS + 355MAV042060 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030		29,000	NONE	11.00	—	11.00	80
CD3(A,B)A030		29,000	NONE	11.00	—	11.00	80
COILS + 355MAV042080 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030		29,000	NONE	11.00	—	11.00	80
CD3(A,B)A030		29,000	NONE	11.00	—	11.00	80
COILS + 355MAV060100 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030		29,000	NONE	11.00	—	11.00	80
CD3(A,B)A030		29,000	NONE	11.00	—	11.00	80
COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030	28,600	NONE	10.50	—	10.50	80	
CC5A/CD5A/CD5BA036	29,000	NONE	11.00	—	11.00	80	
CC5A/CD5A/CD5BW030	28,600	NONE	10.50	—	10.50	80	
CC5A/CD5A/CD5BW036	29,000	NONE	11.00	—	11.00	80	
CD3(A,B)A030	28,600	NONE	10.50	—	10.50	80	
CD3(A,B)A036	29,000	NONE	11.00	—	11.00	80	
CD3CA030	28,000	NONE	10.50	—	10.50	80	
CD3CA036	28,200	NONE	10.50	—	10.50	80	
CE3AA030	28,200	NONE	10.50	—	10.50	80	
CE3AA036	28,400	NONE	11.00	—	11.00	80	
COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE							
CC5A/CD5A/CD5BA030	28,600	NONE	10.50	—	10.50	80	
CC5A/CD5A/CD5BA036	29,000	NONE	11.20	—	11.20	80	
CC5A/CD5A/CD5BW030	28,600	NONE	10.50	—	10.50	80	
CC5A/CD5A/CD5BW036	29,000	NONE	11.20	—	11.20	80	
CD3(A,B)A030	28,600	NONE	10.50	—	10.50	80	
CD3(A,B)A036	29,000	NONE	11.20	—	11.20	80	
CD3CA030	28,000	NONE	10.50	—	10.50	80	
CD3CA036	28,200	NONE	11.00	—	11.00	80	
CE3AA030	28,200	NONE	10.50	—	10.50	80	
CE3AA036	28,400	NONE	11.00	—	11.00	80	

See notes on page 9.

RATINGS AND PERFORMANCE Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (dBA)±
					TDR†	TXV	
036-B	CC5A/CD5A/CD5BA036*	34,600	NONE	10.00	10.20	10.20	80
	CC5A/CD5A/CD5BA042	34,600	NONE	10.00	10.20	10.20	80
	CC5A/CD5A/CD5BW042	34,600	NONE	10.00	10.20	10.20	80
	CD3(A,B)A036	34,600	NONE	10.00	10.20	10.20	80
	CD3(A,B)A042	34,600	NONE	10.00	10.20	10.20	80
	CD3CA036	33,400	NONE	10.00	10.20	10.20	80
	CD3CA042	33,400	NONE	10.00	10.20	10.20	80
	CD5A/CD5BW036	34,600	NONE	10.00	10.20	10.20	80
	CE3AA036	34,400	NONE	10.00	10.20	10.20	80
	CE3AA042	34,600	NONE	10.10	10.50	10.50	80
	CF5AA036	34,600	NONE	10.10	10.50	10.50	80
	CG5AA036	34,600	TXV	10.10	10.50	—	80
	F(A,B)4ANF036	34,000	TDR	10.00	—	10.00	80
	F(A,B)4AN(F,B)042	34,800	TDR	10.20	—	10.20	80
	FC4BNF036	34,000	TDR & TXV	10.00	—	—	80
	FC4BN(F,B)042	34,800	TDR & TXV	10.20	—	—	80
	FG3AAA036	34,000	NONE	10.00	10.20	10.20	80
	FK4BNB005	35,400	TDR & TXV	11.00	—	—	80
	FK4BNB006	35,400	TDR & TXV	11.50	—	—	80
	FK4BNF001	34,600	TDR & TXV	10.20	—	—	80
	FK4BNF002	34,600	TDR & TXV	10.20	—	—	80
	FK4BNF003	34,800	TDR & TXV	10.50	—	—	80
	FK4BNF004	34,800	TDR & TXV	10.50	—	—	80
	FK4CNB006	35,400	TDR & TXV	11.50	—	—	80
	FK4CNF001	34,400	TDR & TXV	10.20	—	—	80
	FK4CNF002	34,600	TDR & TXV	10.20	—	—	80
	FK4CNF003	34,800	TDR & TXV	10.50	—	—	80
	FK4CNF005	35,400	TDR & TXV	11.00	—	—	80
	COILS + 355MAV042040 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,600	NONE	11.00	—	11.00	80
	COILS + 355MAV042060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,600	NONE	11.00	—	11.00	80
	COILS + 355MAV042080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,600	NONE	11.00	—	11.00	80
	COILS + 355MAV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,600	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,800	NONE	10.50	—	10.50	80
	CC5A/CD5A/CD5BA042	34,800	NONE	10.80	—	10.80	80
	CC5A/CD5A/CD5BW036	34,800	NONE	10.50	—	10.50	80
	CC5A/CD5A/CD5BW042	34,400	NONE	10.80	—	10.80	80
	CD3(A,B)A036	34,800	NONE	10.50	—	10.50	80
	CD3(A,B)A042	34,800	NONE	10.80	—	10.80	80
	CD3CA036	33,000	NONE	10.50	—	10.50	80
	CD3CA042	33,200	NONE	10.50	—	10.50	80
	CE3AA036	34,200	NONE	10.80	—	10.80	80
	CE3AA042	35,000	NONE	10.80	—	10.80	80
	COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,800	NONE	10.80	—	10.80	80
	CC5A/CD5A/CD5BA042	34,800	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW036	34,800	NONE	10.80	—	10.80	80
	CC5A/CD5A/CD5BW042	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,800	NONE	10.80	—	10.80	80
	CD3(A,B)A042	34,800	NONE	11.00	—	11.00	80
	CD3CA036	33,000	NONE	10.50	—	10.50	80
	CD3CA042	33,200	NONE	10.50	—	10.50	80
	CE3AA036	34,400	NONE	10.80	—	10.80	80
	CE3AA042	35,000	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,800	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BA042	34,800	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW036	34,800	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW042	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,800	NONE	11.00	—	11.00	80
	CD3(A,B)A042	34,800	NONE	11.00	—	11.00	80
	CD3CA036	33,000	NONE	10.50	—	10.50	80
	CD3CA042	33,200	NONE	10.50	—	10.50	80
	CE3AA036	34,400	NONE	11.00	—	11.00	80
	CE3AA042	35,000	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA036	34,800	NONE	11.20	—	11.20	80
	CC5A/CD5A/CD5BA042	34,600	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW036	34,800	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW042	34,600	NONE	11.00	—	11.00	80
	CD3(A,B)A036	34,800	NONE	11.00	—	11.00	80
	CD3(A,B)A042	34,800	NONE	11.00	—	11.00	80
	CD3CA036	33,000	NONE	10.50	—	10.50	80

See notes on page 9.

RATINGS AND PERFORMANCE Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (dBA)±
					TDR†	TXV	
036-B	CD3CA042	33,200	NONE	10.50	—	10.50	80
	CE3AA036	34,400	NONE	10.80	—	10.80	80
042-A	CC5A/CD5A/CD5BA042*	39,500	NONE	10.00	10.20	10.20	80
	CC5A/CD5A/CD5BC048	39,000	NONE	10.00	10.50	10.50	80
	CC5A/CD5A/CD5BW042	39,500	NONE	10.00	10.20	10.20	80
	CC5A/CD5A/CD5BW048	40,000	NONE	10.10	10.50	10.50	80
	CD3(A,B)A042	39,500	NONE	10.00	10.20	10.20	80
	CD3(A,B)A048	40,000	NONE	10.10	10.50	10.50	80
	CD3CA042	37,800	NONE	10.00	10.20	10.20	80
	CD3CA048	39,000	NONE	10.00	10.20	10.20	80
	CD5A/CD5BA048	40,000	NONE	10.10	10.50	10.50	80
	CE3AA042	39,500	NONE	10.00	10.20	10.20	80
	CE3AA048	39,500	NONE	10.10	10.50	10.50	80
	CF5AA048	40,000	NONE	10.10	10.50	10.50	80
	CG5AA048	40,000	TXV	10.10	10.50	—	80
	F(A,B)4AN(F,B)042	39,500	TDR	10.00	—	10.00	80
	F(A,B)4AN(F,B)048	40,500	TDR	10.50	—	10.50	80
	FC4BN(F,B)042	39,500	TDR & TXV	10.00	—	—	80
	FC4BN(F,B)048	40,500	TDR & TXV	10.50	—	—	80
	FG3AAA048	40,000	NONE	10.10	10.50	10.50	80
	FK4BNB005	41,000	TDR & TXV	11.20	—	—	80
	FK4BNB006	41,500	TDR & TXV	11.50	—	—	80
	FK4BNF003	40,000	TDR & TXV	11.00	—	—	80
	FK4CNB006	41,500	TDR & TXV	11.50	—	—	80
	FK4CNF003	40,000	TDR & TXV	11.00	—	—	80
	FK4CNF005	41,000	TDR & TXV	11.20	—	—	80
	COILS + 355MAV042080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A042	40,000	NONE	11.00	—	11.00	80
	COILS + 355MAV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A042	40,000	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	39,500	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BC048	39,000	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW042	39,000	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW048	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A042	39,500	NONE	11.00	—	11.00	80
	CD3(A,B)A048	40,000	NONE	11.00	—	11.00	80
	CD3CA042	37,800	NONE	10.50	—	10.50	80
	CD3CA048	39,000	NONE	10.50	—	10.50	80
	CD5A/CD5BA048	40,000	NONE	11.00	—	11.00	80
	CE3AA042	40,000	NONE	11.00	—	11.00	80
	CE3AA048	40,000	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BC042	39,500	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW042	39,500	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW048	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A042	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A048	40,000	NONE	11.00	—	11.00	80
	CD3CA042	38,000	NONE	10.50	—	10.50	80
	CD3CA048	39,000	NONE	11.00	—	11.00	80
	CD5A/CD5BA048	40,000	NONE	11.00	—	11.00	80
	CE3AA042	40,000	NONE	11.00	—	11.00	80
	CE3AA048	40,500	NONE	11.00	—	11.00	80
	COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	39,500	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BC048	39,000	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW042	39,000	NONE	11.00	—	11.00	80
	CC5A/CD5A/CD5BW048	40,000	NONE	11.00	—	11.00	80
	CD3(A,B)A042	39,500	NONE	11.00	—	11.00	80
	CD3(A,B)A048	40,000	NONE	11.00	—	11.00	80
	CD3CA042	37,800	NONE	10.50	—	10.50	80
	CD3CA048	39,000	NONE	11.00	—	11.00	80
	CD5A/CD5BA048	40,000	NONE	11.00	—	11.00	80
	CE3AA042	40,000	NONE	11.00	—	11.00	80
	CE3AA048	40,000	NONE	11.00	—	11.00	80
048-B	CC5A/CD5A/CD5BA060	46,000	NONE	10.20	10.50	10.50	82
	CC5A/CD5A/CD5BC048	45,000	NONE	10.00	10.20	10.20	82
	CC5A/CD5A/CD5BW048	46,000	NONE	10.20	10.50	10.50	82
	CC5A/CD5A/CD5BW060	47,500	NONE	10.50	11.00	11.00	82
	CD3(A,B)A048	46,000	NONE	10.20	10.50	10.50	82
	CD3(A,B)A060	46,000	NONE	10.20	10.50	10.50	82
	CD3CA048	44,500	NONE	10.00	10.20	10.20	82
	CD3CA060	46,000	NONE	10.20	10.50	10.50	82
	CD5A/CD5BA048*	46,000	NONE	10.20	10.50	10.50	82
	CE3AA048	46,500	NONE	10.20	10.50	10.50	82
	CE3AA060	48,000	NONE	10.30	10.50	10.50	82
	CF5AA048	46,000	NONE	10.30	10.50	10.50	82
	CG5AA048	46,000	TXV	10.30	10.50	—	82
	F(A,B)4AN(F,B)048	46,500	TDR	10.50	—	10.50	82

See notes on page 9.

RATINGS AND PERFORMANCE Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (dBA)‡
					TDR†	TXV	
048-B	F(A,B)4AN(F,B)060	48,000	TDR	10.50	—	10.50	82
	FB4ANB070	48,000	TDR	11.00	—	11.00	82
	FC4BN(F,B)048	46,500	TDR & TXV	10.40	—	—	82
	FC4BN(F,B)060	47,500	TDR & TXV	10.50	—	—	82
	FC4BNB054	48,000	TDR & TXV	11.00	—	—	82
	FC4BNB070	48,000	TDR & TXV	11.00	—	—	82
	FG3AAA048	46,000	NONE	10.00	10.50	10.50	82
	FG3AAA060	47,500	NONE	10.30	10.50	10.50	82
	FK4BNB006	48,000	TDR & TXV	11.50	—	—	82
	FK4CNB006	48,000	TDR & TXV	11.50	—	—	82
	FK4CNF005	47,500	TDR & TXV	11.00	—	—	82
	COILS + 355MAV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BW060	46,500	NONE	11.00	—	11.00	82
	COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BC048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	NONE	11.20	—	11.20	82
	CD3(A,B)A048	45,000	NONE	11.00	—	11.00	82
	CD3(A,B)A060	45,500	NONE	11.00	—	11.00	82
	CD3CA048	44,000	NONE	10.50	—	10.50	82
	CD3CA060	44,500	NONE	11.00	—	11.00	82
	CD5A/CD5BA048	45,000	NONE	11.00	—	11.00	82
	CE3AA048	45,500	NONE	11.00	—	11.00	82
	CE3AA060	47,000	NONE	11.20	—	11.20	82
	COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BC048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	NONE	11.20	—	11.20	82
	CD3(A,B)A048	45,000	NONE	11.00	—	11.00	82
	CD3(A,B)A060	45,500	NONE	11.00	—	11.00	82
	CD3CA048	44,000	NONE	11.00	—	11.00	82
	CD3CA060	44,500	NONE	11.00	—	11.00	82
	CD5A/CD5BA048	45,000	NONE	11.00	—	11.00	82
	CE3AA048	45,500	NONE	11.00	—	11.00	82
	CE3AA060	47,000	NONE	11.20	—	11.20	82
	COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BC048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	NONE	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	NONE	11.20	—	11.20	82
	CD3(A,B)A048	45,000	NONE	11.00	—	11.00	82
	CD3(A,B)A060	45,500	NONE	11.00	—	11.00	82
	CD3CA048	44,000	NONE	11.00	—	11.00	82
	CD3CA060	44,500	NONE	11.00	—	11.00	82
	CD5A/CD5BA048	45,000	NONE	11.00	—	11.00	82
	CE3AA048	45,500	NONE	11.00	—	11.00	82
	CE3AA060	47,000	NONE	11.20	—	11.20	82
060-B	CC5A/CD5A/CD5BA060	54,500	NONE	10.00	10.20	10.20	82
	CC5A/CD5A/CD5BW060*	57,000	NONE	10.20	10.50	10.50	82
	CD3(A,B)A060	54,500	NONE	10.00	10.20	10.20	82
	CD3CA060	55,000	NONE	10.00	10.20	10.20	82
	CD3CA070	55,000	NONE	10.00	10.20	10.20	82
	CE3AA060	57,500	NONE	10.20	10.50	10.50	82
	F(A,B)4AN(F,B)060	57,500	TDR	10.00	—	10.00	82
	FB4ANB070	58,500	TDR	10.50	—	10.50	82
	FC4BNB070	58,500	TDR & TXV	10.50	—	—	82
	FC4BN(F,B)060	57,500	TDR & TXV	10.00	—	—	82
	FG3AAA060	56,500	NONE	10.20	10.50	10.50	82
	FK4BNB006	58,000	TDR & TXV	11.00	—	—	82
	FK4CNB006	58,000	TDR & TXV	11.00	—	—	82
	COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	54,500	NONE	10.50	—	10.50	82
	CC5A/CD5A/CD5BW060	56,000	NONE	10.50	—	10.50	82
	CD3(A,B)A060	54,500	NONE	10.50	—	10.50	82
	CD3CA060	54,500	NONE	10.20	—	10.20	82
	CE3AA060	56,500	NONE	10.80	—	10.80	82
	COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	54,500	NONE	10.50	—	10.50	82
	CC5A/CD5A/CD5BW060	56,000	NONE	10.50	—	10.50	82
	CD3(A,B)A060	54,500	NONE	10.50	—	10.50	82
	CD3CA060	54,500	NONE	10.20	—	10.20	82
	CE3AA060	56,500	NONE	10.80	—	10.80	82

See notes on page 9.

* Tested combination.

† TDR is on all furnaces, except 394HAD.

‡ Decibels are approximately 10 times bel sound rating formerly listed.

- 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.

DETAILED COOLING CAPACITIES*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
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**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
593C018-B Outdoor Section With CC5A/CD5A/CD5BA018 Indoor Section																
525	72	19.7	9.50	1.69	18.6	9.09	1.80	17.5	8.66	1.91	16.3	8.23	2.01	15.2	7.80	2.12
	67	17.9	11.8	1.65	16.8	11.4	1.75	15.8	10.9	1.85	14.7	10.5	1.94	13.6	10.0	2.04
	62	16.1	14.0	1.60	15.1	13.6	1.70	14.1	13.0	1.79	13.1	12.5	1.88	12.1	12.0	1.96
	57	15.0	15.0	1.58	14.3	14.3	1.68	13.5	13.5	1.77	12.8	12.8	1.86	12.0	12.0	1.95
600	72	20.1	9.89	1.73	19.0	9.47	1.84	17.8	9.03	1.95	16.6	8.60	2.06	15.4	8.17	2.16
	67	18.3	12.5	1.68	17.2	12.0	1.79	16.1	11.6	1.89	15.0	11.1	1.99	13.8	10.6	2.08
	62	16.5	14.9	1.64	15.5	14.4	1.74	14.4	13.8	1.83	13.4	13.2	1.92	12.4	12.4	2.01
	57	15.7	15.7	1.62	14.9	14.9	1.72	14.1	14.1	1.82	13.3	13.3	1.91	12.5	12.5	2.01
675	72	20.5	10.3	1.76	19.3	9.83	1.88	18.1	9.39	1.99	16.9	8.95	2.09	15.6	8.51	2.20
	67	18.6	13.1	1.72	17.5	12.6	1.83	16.3	12.2	1.93	15.2	11.7	2.03	14.0	11.2	2.13
	62	16.8	15.8	1.68	15.8	15.2	1.78	14.7	14.5	1.87	13.7	13.7	1.97	12.7	12.7	2.06
	57	16.2	16.2	1.67	15.4	15.4	1.77	14.6	14.6	1.87	13.7	13.7	1.97	12.9	12.9	2.06
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
*CC5A/CD5A/CD5BA		018	1.00	1.00	FK4CNF	001	1.05	0.92								
		024	1.03	1.01		002	1.05	0.93								
CC5A/CD5A/CD5WA		024	1.03	1.01	COILS + 355MAV042040 VARIABLE-SPEED FURNACE											
CD3(A,B)A		018	1.00	1.00	CC5A/CD5A/CD5BA	018	1.02	0.93								
		024	1.03	1.01	CD3(A,B)A	018	1.02	0.93								
CD3CA		024	1.00	1.01	COILS + 355MAV042060 VARIABLE-SPEED FURNACE											
CE3AA		024	1.05	1.01	CC5A/CD5A/CD5BA	018	1.02	0.93								
CF5AA		024	1.05	1.01	CD3(A,B)A	018	1.02	0.93								
CG5AA		024	1.05	1.01	COILS + 355MAV042080 VARIABLE-SPEED FURNACE											
F(A,B)4ANF		018	0.99	1.00	CC5A/CD5A/CD5BA	018	1.02	0.93								
		024	1.05	1.02	CD3(A,B)A	018	1.02	0.93								
FC4BNF		024	1.05	1.02	COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE											
FD3ANA		018	0.99	1.02	CC5A/CD5A/CD5BA	018	1.00	0.92								
		024	1.01	1.00		024	1.02	0.92								
FF1(A,B)NA		018	0.99	1.00	CC5A/CD5A/CD5BW	024	1.02	0.92								
		024	1.05	1.02	CD3(A,B)A	018	1.00	0.92								
FG3AA		024	1.02	1.01		024	1.02	0.92								
FK4BNF		001	1.05	0.94	CD3CA	024	1.02	0.92								
		002	1.05	0.94	CE3AA	024	1.02	0.93								
		004	1.05	0.93		—	—	—								

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total System Kw**	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‡		Total	Sens‡	
593C024-B Outdoor Section With CC5A/CD5A/CD5BA024 Indoor Section																
700	72	26.3	12.9	2.34	24.8	12.3	2.49	23.3	11.8	2.62	21.8	11.2	2.75	20.3	10.7	2.88
	67	24.0	16.2	2.27	22.6	15.6	2.40	21.2	15.0	2.53	19.8	14.4	2.65	18.3	13.8	2.77
	62	21.7	19.3	2.20	20.4	18.7	2.32	19.1	18.0	2.43	17.8	17.3	2.54	16.5	16.5	2.66
	57	20.5	20.5	2.17	19.5	19.5	2.28	18.5	18.5	2.41	17.5	17.5	2.53	16.5	16.5	2.65
800	72	26.8	13.4	2.40	25.3	12.9	2.54	23.8	12.3	2.68	22.2	11.8	2.82	20.6	11.2	2.94
	67	24.5	17.1	2.33	23.0	16.5	2.46	21.6	15.9	2.59	20.1	15.4	2.71	18.6	14.8	2.82
	62	22.2	20.6	2.26	20.9	19.9	2.38	19.5	19.1	2.49	18.2	18.2	2.61	17.1	17.1	2.73
	57	21.4	21.4	2.23	20.3	20.3	2.36	19.3	19.3	2.48	18.2	18.2	2.61	17.1	17.1	2.73
900	72	27.4	14.4	2.50	25.9	13.9	2.65	24.3	13.3	2.79	22.7	12.8	2.93	21.0	12.2	3.06
	67	25.1	18.9	2.43	23.6	18.3	2.57	22.1	17.7	2.70	20.5	17.1	2.81	18.9	16.4	2.93
	62	23.0	22.7	2.37	21.7	21.6	2.50	20.4	20.4	2.63	19.2	19.2	2.75	18.0	18.0	2.88
	57	22.7	22.7	2.36	21.6	21.6	2.49	20.4	20.4	2.62	19.2	19.2	2.75	18.0	18.0	2.88
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
*CC5A/CD5A/CD5BA		024	1.00 1.00		FK4CNF	001	1.04 0.93									
		030	1.00 1.00			002	1.04 0.93									
CC5A/CD5A/CD5BW		024	1.00 1.00			003	1.04 0.92									
		030	1.00 1.00		COILS + 355MAV042040 VARIABLE-SPEED FURNACE											
CD3(A,B)A		024	1.00 1.00		CC5A/CD5A/CD5BA	024	0.98 0.93									
		030	1.00 1.00		CD3(A,B)A	024	0.98 0.93									
CD3CA		024	1.00 1.00		COILS + 355MAV042060 VARIABLE-SPEED FURNACE											
		030	1.00 1.00		CC5A/CD5A/CD5BA	024	0.98 0.93									
CE3AA		024	1.01 1.00		CD3(A,B)A	024	0.98 0.93									
		030	1.02 1.01		COILS + 355MAV042080 VARIABLE-SPEED FURNACE											
CF5AA		024	1.00 1.00		CC5A/CD5A/CD5BA	024	0.98 0.93									
CG5AA		024	1.00 1.00		CD3(A,B)A	024	0.98 0.93									
F(A,B)4ANF		024	1.00 1.00		COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE											
		030	1.01 1.00		CC5A/CD5A/CD5BA	024	1.00 0.92									
FC4BNF		024	1.00 1.00			030	1.01 0.92									
		030	1.02 1.00		CC5A/CD5A/CD5BW	024	1.00 0.92									
FD3ANA		024	0.97 0.97			030	1.01 0.92									
		030	1.01 1.01		CD3(A,B)A	024	1.00 0.92									
FF1(A,B)NA		024	1.00 1.01			030	1.01 0.92									
		030	1.02 1.02		CD3CA	024	1.00 0.92									
FG3AAA		024	0.97 1.00			030	1.01 0.91									
FK4BNF		001	1.04 0.95		CE3AA	024	1.00 0.93									
		002	1.04 0.95			030	1.01 0.93									
		003	1.04 0.93			—	—									
		004	1.04 0.93													

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total System Kw**	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‡		Total	Sens‡	
593C030-B Outdoor Section With CC5A/CD5A/CD5BA030 Indoor Section																
875	72	32.6	15.9	2.90	30.8	15.2	3.11	29.0	14.6	3.30	27.2	13.9	3.49	25.3	13.2	3.67
	67	29.7	20.0	2.83	28.1	19.3	3.01	26.4	18.5	3.19	24.6	17.8	3.35	22.9	17.2	3.52
	62	26.9	23.9	2.74	25.3	23.1	2.90	23.7	22.3	3.07	22.2	21.4	3.22	20.7	20.5	3.37
	57	25.4	25.4	2.69	24.2	24.2	2.86	23.0	23.0	3.03	21.8	21.8	3.20	20.5	20.5	3.37
1000	72	33.2	16.6	2.97	31.4	15.9	3.18	29.5	15.2	3.37	27.6	14.5	3.57	25.6	13.8	3.74
	67	30.4	21.2	2.89	28.6	20.4	3.08	26.8	19.7	3.26	25.0	19.0	3.43	23.3	18.3	3.60
	62	27.5	25.4	2.81	25.9	24.6	2.98	24.3	23.6	3.14	22.7	22.6	3.30	21.3	21.3	3.47
	57	26.5	26.5	2.77	25.2	25.2	2.95	23.9	23.9	3.13	22.6	22.6	3.30	21.3	21.3	3.47
1125	72	33.7	17.2	3.03	31.8	16.5	3.24	29.8	15.8	3.44	27.8	15.1	3.63	25.9	14.4	3.82
	67	30.8	22.3	2.95	29.0	21.5	3.15	27.2	20.8	3.33	25.3	20.1	3.50	23.5	19.3	3.67
	62	28.0	26.8	2.87	26.3	25.8	3.04	24.7	24.7	3.21	23.3	23.3	3.39	21.9	21.9	3.56
	57	27.4	27.4	2.85	26.0	26.0	3.03	24.7	24.7	3.21	23.3	23.3	3.39	21.9	21.9	3.57
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
*CC5A/CD5A/CD5BA		030	1.00		COILS + 355MAV042060 VARIABLE-SPEED FURNACE											
		036	1.01		CC5A/CD5A/CD5BA	030	1.01		0.95							
CC5A/CD5A/CD5BW		030	1.00		CD3(A,B)A		030	1.01		0.95						
CD5A/CD5BW		036	1.01		COILS + 355MAV042080 VARIABLE-SPEED FURNACE											
CD3(A,B)A		030	1.00		CC5A/CD5A/CD5BA	030	1.01		0.95							
		036	1.01		CD3(A,B)A	030	1.01		0.95							
CD3CA		030	0.99		COILS + 355MAV060100 VARIABLE-SPEED FURNACE											
		036	1.00		CC5A/CD5A/CD5BA	030	1.01		0.95							
CE3AA		030	0.99		CD3(A,B)A		030	1.01		0.95						
		036	1.01		COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE											
CF5AA		036	1.01		CC5A/CD5A/CD5BA	030	1.00		0.94							
CG5AA		036	1.01			036	1.01		0.95							
F(A,B)4ANF		030	0.99		CC5A/CD5A/CD5BW	030	1.00		0.94							
		036	1.01			036	1.01		0.95							
FC4BNF		030	0.99		CD3(A,B)A	030	1.00		0.94							
		036	1.01			036	1.01		0.95							
FD3ANA		030	0.99		CD3CA	030	0.98		0.93							
FF1(A,B)NA		030	0.99			036	0.99		0.93							
FG3AAA		036	1.01		CE3AA	030	0.99		0.94							
FK4BNF		001	1.03			036	0.99		0.95							
		002	1.03		COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE											
		003	1.03		CC5A/CD5A/CD5BA	030	1.00		0.93							
		004	1.05			036	1.01		0.93							
FK4CNF		001	1.03		CC5A/CD5A/CD5BW	030	1.00		0.93							
		002	1.03			036	1.01		0.93							
		003	1.03		CD3(A,B)A	030	1.00		0.93							
		005	1.05			036	1.01		0.93							
COILS + 355MAV042040 VARIABLE-SPEED FURNACE					CD3CA	030	0.98		0.92							
CC5A/CD5A/CD5BA		030	1.01			036	0.99		0.92							
CD3(A,B)A		030	1.01			030	0.99		0.93							
		—	—			036	0.99		0.93							

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F															
		85			95			105			115			125			
CFM	EWB	Capacity MBtuh†		Total System Kw**	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‡		Total	Sens‡		
593C036-B Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section																	
1050	72	39.6	19.6	3.42	37.4	18.8	3.65	35.2	18.0	3.88	32.9	17.2	4.08	30.5	16.4	4.28	
	67	36.0	24.9	3.32	34.0	24.0	3.54	31.9	23.2	3.75	29.8	22.3	3.94	27.7	21.5	4.12	
	62	32.7	29.8	3.23	30.7	28.9	3.43	28.8	27.8	3.62	27.0	26.7	3.79	25.3	25.3	3.98	
	57	31.3	31.3	3.19	29.8	29.8	3.39	28.3	28.3	3.59	26.8	26.8	3.79	25.3	25.3	3.98	
1200	72	40.3	20.5	3.49	38.1	19.7	3.73	35.8	18.9	3.96	33.3	18.1	4.17	31.0	17.3	4.38	
	67	36.7	26.4	3.40	34.6	25.5	3.62	32.4	24.7	3.83	30.3	23.9	4.03	28.1	23.0	4.21	
	62	33.4	31.8	3.31	31.4	30.7	3.51	29.5	29.4	3.71	27.8	27.8	3.90	26.2	26.2	4.10	
	57	32.6	32.6	3.29	31.1	31.1	3.50	29.5	29.5	3.71	27.8	27.8	3.90	26.2	26.2	4.10	
1350	72	40.8	21.4	3.56	38.5	20.6	3.80	36.1	19.7	4.03	33.6	18.9	4.25	31.4	18.1	4.47	
	67	37.2	27.9	3.47	35.0	27.0	3.69	32.8	26.1	3.91	30.6	25.3	4.11	28.3	24.3	4.29	
	62	34.0	33.5	3.38	32.1	32.1	3.59	30.4	30.4	3.80	28.6	28.6	4.00	26.9	26.9	4.20	
	57	33.7	33.7	3.38	32.1	32.1	3.59	30.4	30.4	3.80	28.6	28.6	4.00	26.9	26.9	4.21	
Multipliers for Determining the Performance With Other Indoor Sections																	
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling										
			Capacity	Power			Capacity	Power									
*CC5A/CD5A/CD5BA		036	1.00		COILS + 333(B,J)AV036060 VARIABLE-SPEED FURNACE												
		042	1.00		CC5A/CD5A/CD5BA	036	1.01										
CC5A/CD5A/CD5BW		042	1.00		CC5A/CD5A/CD5BA	042	1.01										
CD3(A,B)A		036	1.00		CC5A/CD5A/CD5BW	036	1.01										
		042	1.00			042	0.99										
CD5A/CD5BW		036	1.00		CD3(A,B)A	036	1.01										
CD3CA		036	0.97			042	1.01										
		042	0.97		CD3CA	036	0.95										
CE3AA		036	0.99			042	0.96										
		042	1.00		CE3AA	036	0.99										
CF5AA		036	1.00			042	1.01										
CG5AA		036	1.00		COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE												
F(A,B)4ANF		036	0.98		CC5A/CD5A/CD5BA	036	1.01										
F(A,B)4AN(F,B)		042	1.01			042	1.01										
FC4BNF		036	0.98		CC5A/CD5A/CD5BW	036	1.01										
FC4BN(F,B)		042	1.01			042	1.00										
FG3AAA		036	0.98		CD3(A,B)A	036	1.01										
FK4BNB		005	1.02			042	1.01										
		006	1.02		CD3CA	036	0.95										
FK4BNF		001	1.00			042	0.96										
		002	1.00		CE3AA	036	0.99										
		003	1.01			042	1.01										
		004	1.01		COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE												
FK4CNB		006	1.02		CC5A/CD5A/CD5BA	036	1.01										
FK4CNF		001	0.99			042	1.01										
		002	1.00		CC5A/CD5A/CD5BW	036	1.01										
		003	1.01			042	1.00										
		005	1.02		CD3(A,B)A	036	1.01										
COILS + 355MAV042040 VARIABLE-SPEED FURNACE						042	1.01										
CC5A/CD5A/CD5BA		036	1.00		CD3CA	036	0.95										
CD3(A,B)A		036	1.00			042	0.96										
COILS + 355MAV042060 VARIABLE-SPEED FURNACE					CE3AA	036	0.99										
CC5A/CD5A/CD5BA		036	1.00			042	1.01										
CD3(A,B)A		036	1.00		COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE												
COILS + 355MAV042080 VARIABLE-SPEED FURNACE					CC5A/CD5A/CD5BA	036	1.01										
CC5A/CD5A/CD5BA		036	1.00			042	1.00										
CD3(A,B)A		036	1.00		CC5A/CD5A/CD5BW	036	1.01										
COILS + 355MAV060100 VARIABLE-SPEED FURNACE						042	1.00										
CC5A/CD5A/CD5BA		036	1.00		CD3(A,B)A	036	1.01										
CD3(A,B)A		036	1.00			042	1.01										
		—	—		CD3CA	036	0.95										
						042	0.96										
					CE3AA	036	0.99										

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total System Kw**	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‡		Total	Sens‡	
593C042-A Outdoor Section With CC5A/CD5A/CD5BA042 Indoor Section																
1225	72	45.2	22.4	4.01	42.6	21.4	4.25	40.1	20.5	4.48	37.6	19.6	4.72	35.1	18.7	4.95
	67	41.2	28.3	3.89	38.8	27.4	4.11	36.6	26.4	4.33	34.3	25.5	4.55	32.0	24.6	4.77
	62	37.4	34.0	3.77	35.3	32.9	3.97	33.2	31.8	4.18	31.1	30.6	4.39	29.1	29.1	4.60
	57	35.9	35.9	3.72	34.2	34.2	3.93	32.5	32.5	4.15	30.8	30.8	4.38	29.1	29.1	4.59
1400	72	46.0	23.4	4.10	43.3	22.4	4.34	40.6	21.4	4.57	38.1	20.6	4.82	35.5	19.7	5.05
	67	42.0	30.1	3.98	39.5	29.1	4.20	37.1	28.1	4.43	34.8	27.2	4.65	32.4	26.3	4.87
	62	38.2	36.2	3.86	36.1	35.0	4.08	34.0	33.7	4.30	31.9	31.9	4.51	30.1	30.1	4.74
	57	37.3	37.3	3.83	35.5	35.5	4.05	33.7	33.7	4.28	31.9	31.9	4.51	30.1	30.1	4.73
1575	72	46.5	24.3	4.19	43.8	23.3	4.43	41.2	22.4	4.67	38.4	21.4	4.90	35.8	20.6	5.14
	67	42.5	31.7	4.06	40.0	30.7	4.29	37.5	29.7	4.52	35.1	28.8	4.74	32.6	27.8	4.96
	62	38.9	38.1	3.95	36.7	36.6	4.17	34.8	34.8	4.40	32.8	32.8	4.63	30.9	30.9	4.86
	57	38.5	38.5	3.94	36.6	36.6	4.16	34.7	34.7	4.40	32.8	32.8	4.63	30.9	30.9	4.85
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
*CC5A/CD5A/CD5BA		042	1.00		1.00		COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE									
CC5A/CD5A/CD5BC		048	0.99		1.00		CC5A/CD5A/CD5BA		042	1.00		0.95				
CC5A/CD5A/CD5BW		042	1.00		1.00		CC5A/CD5A/CD5BC		048	0.99		0.94				
		048	1.01		1.00		CC5A/CD5A/CD5BW		042	0.99		0.94				
CD3(A,B)A		042	1.00		1.00		CD3(A,B)A		048	1.01		0.94				
		048	1.01		1.00				042	1.00		0.95				
CD3CA		042	0.96		0.98		CD3CA		048	1.01		0.94				
		048	0.99		0.99				042	0.96		0.93				
CE3AA		042	1.00		1.00		CD5A/CD5BA		048	0.99		0.93				
		048	1.00		1.00				042	1.01		0.94				
CF5AA		048	1.01		1.00		CE3AA		042	1.01		0.95				
CG5AA		048	1.01		1.00				048	1.01		0.95				
F(A,B)4AN(F,B)		042	1.00		1.01		COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE									
		048	1.03		1.02		CC5A/CD5A/CD5BA		042	1.01		0.94				
FC4BN(F,B)		042	1.00		1.01		CC5A/CD5A/CD5BC		048	1.00		0.92				
		048	1.03		1.02		CC5A/CD5A/CD5BW		042	1.00		0.93				
FG3AAA		048	0.10		1.00		CD3(A,B)A		048	1.01		0.93				
FK4BNB		005	1.04		0.98				042	1.01		0.94				
		006	1.05		0.97		048	1.01		0.93						
FK4BNF		003	1.01		0.95		CD3CA		042	0.96		0.92				
FK4CNB		006	1.05		0.94				048	0.99		0.92				
FK4CNF		003	1.01		0.92		CD5A/CD5BA		048	1.01		0.93				
		005	1.04		0.95		CE3AA		042	1.01		0.94				
COILS + 355MAV042080 VARIABLE-SPEED FURNACE									048	1.03		0.94				
CC5A/CD5A/CD5BA		042	1.01		0.93		COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE									
CD3(A,B)A		042	1.01		0.93		CC5A/CD5A/CD5BA		042	1.00		0.94				
COILS + 355MAV060100 VARIABLE-SPEED FURNACE							CC5A/CD5A/CD5BC		048	0.99		0.93				
CC5A/CD5A/CD5BA		042	1.01		0.93		CC5A/CD5A/CD5BW		042	0.99		0.94				
CD3(A,B)A		042	1.01		0.93		CD3(A,B)A		048	1.01		0.94				
		—	—		—				042	1.00		0.94				
								048	1.01		0.94					
								042	0.96		0.93					
								048	0.99		0.93					
								CD5A/CD5BA	048	1.01		0.94				
								CE3AA	042	1.01		0.95				
								048	1.01		0.95					

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85		95		105		115		125						
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‡				
593C048-B Outdoor Section With CC5A/CD5BA048 Indoor Section																
1450	72	54.9	27.0	4.53	52.6	26.2	4.93	50.1	25.3	5.37	47.5	24.3	5.85	44.8	23.4	6.36
	67	50.1	34.1	4.42	47.9	33.2	4.81	45.7	32.3	5.25	43.3	31.3	5.72	40.8	30.3	6.22
	62	45.6	41.0	4.33	43.6	40.0	4.72	41.5	39.0	5.14	39.3	37.8	5.60	37.1	36.5	6.09
	57	43.5	43.5	4.29	41.9	41.9	4.68	40.3	40.3	5.11	38.6	38.6	5.58	36.8	36.8	6.07
1600	72	55.6	27.9	4.61	53.2	27.0	5.01	50.7	26.1	5.44	48.1	25.2	5.92	45.3	24.2	6.44
	67	50.8	35.6	4.50	48.6	34.7	4.89	46.2	33.7	5.32	43.8	32.8	5.80	41.2	31.8	6.29
	62	46.3	42.9	4.40	44.2	41.9	4.79	42.1	40.7	5.22	39.9	39.4	5.68	37.7	37.7	6.17
	57	44.7	44.7	4.37	43.1	43.1	4.76	41.4	41.4	5.20	39.6	39.6	5.67	37.7	37.7	6.17
1750	72	56.2	28.7	4.69	53.8	27.8	5.08	51.2	26.9	5.52	48.5	25.9	6.00	45.7	24.9	6.51
	67	51.4	37.0	4.57	49.1	36.1	4.96	46.7	35.1	5.40	44.2	34.2	5.87	41.6	33.1	6.37
	62	46.8	44.7	4.47	44.7	43.5	4.86	42.6	42.2	5.29	40.5	40.5	5.76	38.5	38.5	6.26
	57	45.8	45.8	4.45	44.1	44.1	4.85	42.3	42.3	5.28	40.4	40.4	5.76	38.5	38.5	6.26
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
CC5A/CD5A/CD5BA		060	1.00	1.00	CD3(A,B)A	048	0.98	0.95								
CC5A/CD5A/CD5BC		048	0.98	0.99		060	0.99	0.95								
CC5A/CD5A/CD5BW		048	1.00	1.00	CD3CA	048	0.96	0.96								
		060	1.03	1.01		060	0.97	0.96								
CD3(A,B)A		048	1.00	1.00	CD5A/CD5BA	048	0.98	0.95								
		060	1.00	1.00		048	0.99	0.96								
CD3CA		048	0.97	1.00	CE3AA	060	1.02	0.96								
		060	1.00	1.00		COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE										
*CD5A/CD5BA		048	1.00	1.00	CC5A/CD5A/CD5BA	060	0.99	0.93								
CE3AA		048	1.01	1.00	CC5A/CD5A/CD5BC	048	0.98	0.93								
		060	1.04	1.02	CC5A/CD5A/CD5BW	048	0.98	0.93								
CF5AA		048	1.00	0.99	CD3(A,B)A	060	1.02	0.93								
CG5AA		048	1.00	0.99		048	0.98	0.93								
F(A,B)4AN(F,B)		048	1.01	1.02	CD3CA	060	0.99	0.93								
		060	1.04	1.05		048	0.96	0.94								
FB4ANB		070	1.04	1.02	CD5A/CD5BA	060	0.97	0.95								
FC4BN(F,B)		048	1.01	1.02		048	0.98	0.93								
		060	1.03	1.04	CE3AA	048	0.99	0.94								
FC4BNB		054	1.04	1.02		060	1.02	0.94								
		070	1.04	1.02	COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE											
FG3AAA		048	1.00	1.00	CC5A/CD5A/CD5BA	060	0.99	0.94								
		060	1.03	1.01	CC5A/CD5A/CD5BC	048	0.98	0.94								
FK4BNB		006	1.04	0.97	CC5A/CD5A/CD5BW	048	0.98	0.94								
FK4CNB		006	1.04	0.95	CD3(A,B)A	060	1.02	0.94								
FK4CNF		005	1.03	0.96		048	0.98	0.94								
COILS + 355MAV060100 VARIABLE-SPEED FURNACE						060	0.99	0.94								
CC5A/CD5A/CD5BW		060	1.01	0.95	CD3CA	048	0.96	0.95								
COILS + 333(B,J)AV048080 VARIABLE-SPEED FURNACE						060	0.97	0.96								
CC5A/CD5A/CD5BA		060	0.99	0.95	CD5A/CD5BA	048	0.98	0.94								
CC5A/CD5A/CD5BC		048	0.98	0.95		CE3AA	048	0.99	0.95							
CC5A/CD5A/CD5BW		048	0.98	0.95	060		1.02	0.95								
		060	1.02	0.95	—											

See notes on page 16.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuht†		Total System Kw**	Capacity MBtuht†		Total System Kw**	Capacity MBtuht†		Total System Kw**	Capacity MBtuht†		Total System Kw**	Capacity MBtuht†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
593C060-B Outdoor Section With CC5A/CD5A/CD5BW060 Indoor Section																
1750	72	66.9	33.0	5.85	63.9	31.9	6.39	60.7	30.7	6.97	57.3	29.5	7.61	53.8	28.2	8.29
	67	61.1	41.8	5.70	58.3	40.6	6.23	55.4	39.4	6.80	52.3	38.1	7.43	48.9	36.8	8.09
	62	55.7	50.3	5.56	53.1	49.0	6.08	50.4	47.6	6.65	47.5	46.0	7.25	44.0	43.8	7.86
	57	53.2	53.2	5.50	51.3	51.3	6.03	49.1	49.1	6.61	46.7	46.7	7.22	43.8	43.8	7.86
2000	72	68.1	34.5	5.98	64.9	33.3	6.52	61.6	32.1	7.11	58.1	30.9	7.74	54.4	29.6	8.43
	67	62.3	44.2	5.82	59.3	43.0	6.35	56.2	41.8	6.93	53.0	40.5	7.56	49.5	39.2	8.22
	62	56.8	53.4	5.69	54.1	52.0	6.21	51.3	50.4	6.78	48.5	48.4	7.39	45.5	45.5	8.04
	57	55.2	55.2	5.65	53.1	53.1	6.18	50.8	50.8	6.76	48.4	48.4	7.39	45.4	45.4	8.04
2250	72	69.0	35.8	6.10	65.7	34.7	6.64	62.3	33.4	7.23	58.7	32.2	7.87	55.0	30.9	8.55
	67	63.1	46.6	5.95	60.1	45.4	6.48	56.9	44.1	7.05	53.6	42.8	7.68	50.0	41.5	8.35
	62	57.7	56.2	5.81	55.0	54.5	6.33	52.3	52.3	6.90	49.7	49.7	7.54	46.8	46.8	8.21
	57	56.9	56.9	5.79	54.7	54.7	6.32	52.3	52.3	6.91	49.7	49.7	7.54	46.8	46.8	8.21
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling		Indoor Section	Unit Size	Cooling									
			Capacity	Power			Capacity	Power								
CC5A/CD5A/CD5BA		060	0.96		0.98		COILS + 333(B,J)AV060100 VARIABLE-SPEED FURNACE									
*CC5A/CD5A/CD5BW		060	1.00		1.00		CC5A/CD5A/CD5BA		060	0.96		0.94				
CD3(A,B)A		060	0.96		0.98		CC5A/CD5A/CD5BW		060	0.98		0.94				
CD3CA		060	0.96		0.99		CD3(A,B)A		060	0.96		0.94				
		070	0.96		0.99		CD3CA		060	0.96		0.95				
CE3AA		060	1.01		1.00		CE3AA		060	0.99		0.95				
F(A,B)4AN(F,B)		060	1.01		1.04		COILS + 333(B,J)AV060120 VARIABLE-SPEED FURNACE									
FB4ANB		070	1.03		1.02		CC5A/CD5A/CD5BA		060	0.96		0.95				
FC4BN(F,B)		060	1.01		1.04		CC5A/CD5A/CD5BW		060	0.98		0.95				
FC4BNB		070	1.03		1.02		CD3(A,B)A		060	0.96		0.95				
FG3AAA		060	0.99		0.99		CD3CA		060	0.96		0.97				
FK4BNB		006	1.02		0.98		CE3AA		060	0.99		0.96				
FK4CNB		006	1.02		0.97				—	—		—				

* Detailed cooling capacities are based on indoor and outdoor unit at 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 entering air at the indoor coil. For sensible capacities at other than 80°F, deduct 835 Btuh per 1000 CFM of indoor coil air for each degree below 80°F, or add 835 Btuh per 1000 CFM of indoor coil air per degree above 80°F. When the required data falls between the published data, interpolation may be performed.

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

ACCESSORY DESCRIPTION AND USAGE

- 1. Coastal Filter**
A filter designed to protect the condenser coil from salt damage without restricting airflow through the outdoor coil.
SUGGESTED USE: Geographic areas prone to salt spray. Used to meet job specifications where added coil protection is required.
- 2. Compressor Start Assist—Capacitor/Relay Type**
Start capacitor and start relay gives "hard" boost to reciprocating 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 reciprocating compressor at each start-up.
SUGGESTED USE: Installations with marginal power supply.
- 4. Crankcase Heater**
An electric resistance heater which mounts to the base of the reciprocating compressor to keep the lubricant warm during off cycles. Improves reciprocating 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 kit.)
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 low-ambient kit has been added.
- 7. 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. To prevent rapid compressor recycling, compressor short cycle protector (Item 5) can be used with this switch.
SUGGESTED USE: Installations exposed to very "dirty" outdoor air.
Installations where condenser inlet air temperature exceeds 125°F (51.7°C).
- 8. Liquid Solenoid Valve (LSV)**
An electrically operated shut-off valve to be installed at the outdoor or indoor unit (depending on tubing configuration), 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.
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).
- 9. 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. To prevent rapid compressor recycling, Compressor short cycle protector (Item 5) can be used with this switch.
SUGGESTED USE: Where indoor coil is exposed to "dirty" air.
All commercial installations.
- 10. Sound Hood**
Wrap-around sound attenuation cover for the compressor. Reduces the sound level by about 2 decibels.
SUGGESTED USE: Unit installed closer than 15 ft to quiet areas—bedrooms, etc.
Unit installed between 2 houses less than 10 ft apart.
- 11. 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.
- 12. Thermostatic Expansion Valve (TXV) Kits**
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.)
- 13. 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.)
- 14. 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 kit has been added.

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. Crankcase heater required when interconnecting refrigerant tube length exceeds 50 ft.
8. 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.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
10. Mixmatches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort.

UNIT	SERIES	ELECTRICAL CHARACTERISTICS					A	B	C	D	E	F	G	H	K	L	M	N	SHIPPING WEIGHT
							In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	lb.
593C018	B	X	O	O	O		23 13/16	22 1/2	26 3/16	4 1/8	7 1/8	13 13/16	18 3/8	5/8	12 1/2	15 1/2	10 1/2	2 3/8	137
593C024	B	X	O	O	O		23 13/16	22 1/2	26 3/16	4 1/8	7 1/8	13 13/16	18 3/8	5/8	12 1/2	15 1/2	10 1/2	2 3/8	143
593C030	B	X	O	O	O		27 13/16	22 1/2	26 3/16	4 1/8	7 1/8	15 15/16	22 3/8	3/4	12 1/2	15 1/2	11 1/2	2 3/8	161
593C036	B	X	O	O	O		33 13/16	22 1/2	26 3/16	4 1/8	7 1/8	21 15/16	28 3/8	3/4	12 1/2	15 1/2	13	2 3/8	169
593C042	A	X	O	O	O		27 13/16	30	33	5 1/16	9 11/16	15 15/16	22 3/8	7/8	16 1/2	20 3/8	12 5/16	2 15/16	206
593C048	B	X	O	O	O		33 13/16	30	33	5 1/16	9 11/16	21 15/16	22 3/8	7/8	15 1/2	18	13 1/2	2 15/16	199
593C060	B	X	O	O	O		39 13/16	30	33	5 1/16	9 11/16	27 15/16	34 3/8	7/8	15 1/2	18	16 1/2	2 15/16	217

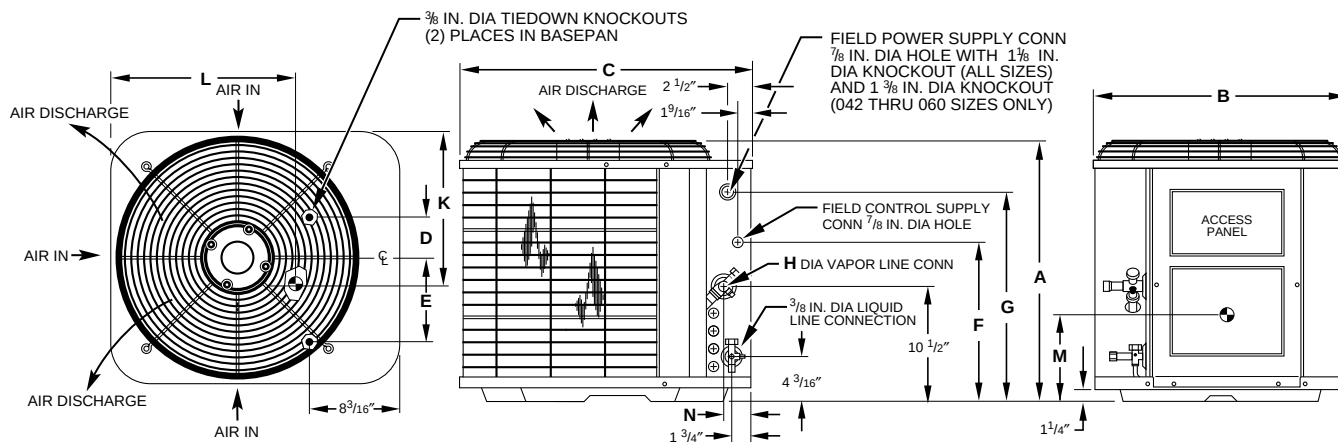
208/230-1-60

230-1-60

208/230-3-60

460-3-60

X=YES
O=NO



UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
18, 24, 30, 36	22 In. x 26 In.
42, 48, 60	28 In. x 31 In.

NOTES:

1. Allow 30 In. clearance to service end 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 14th position of the unit model number.
4. Center of gravity

A95588



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS

Cancels: PDS 593C.18.3B