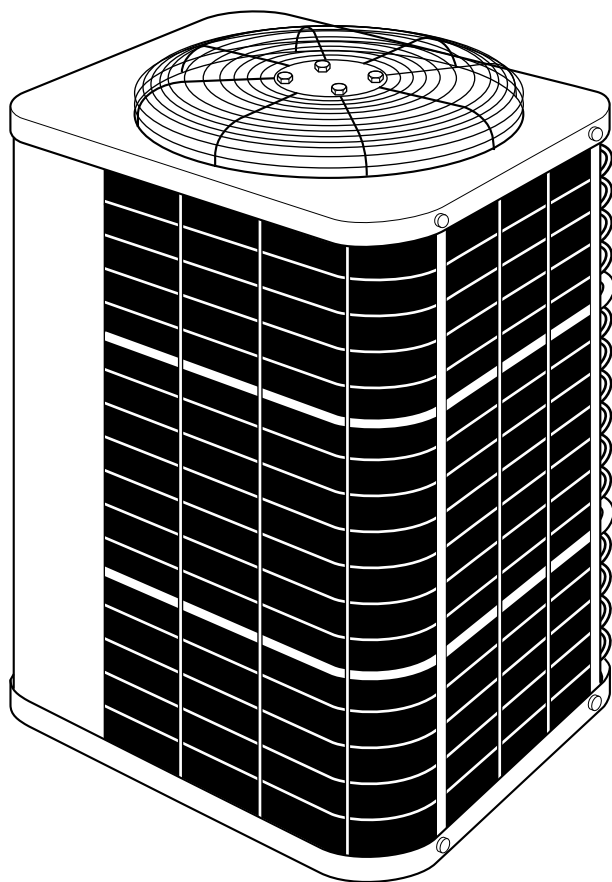




Model 593C Energy-Efficient Air Conditioners incorporate innovative technology to provide quiet, reliable summer cooling performance. Built into these units are the features most desired by homeowners today, including SEER ratings of 10.0 minimum when used with components as designated by manufacturer. All models are listed with U.L., CSA, ARI, and CEC.

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 protected with a heavy coating commonly called “galvanizing,” 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 base 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.

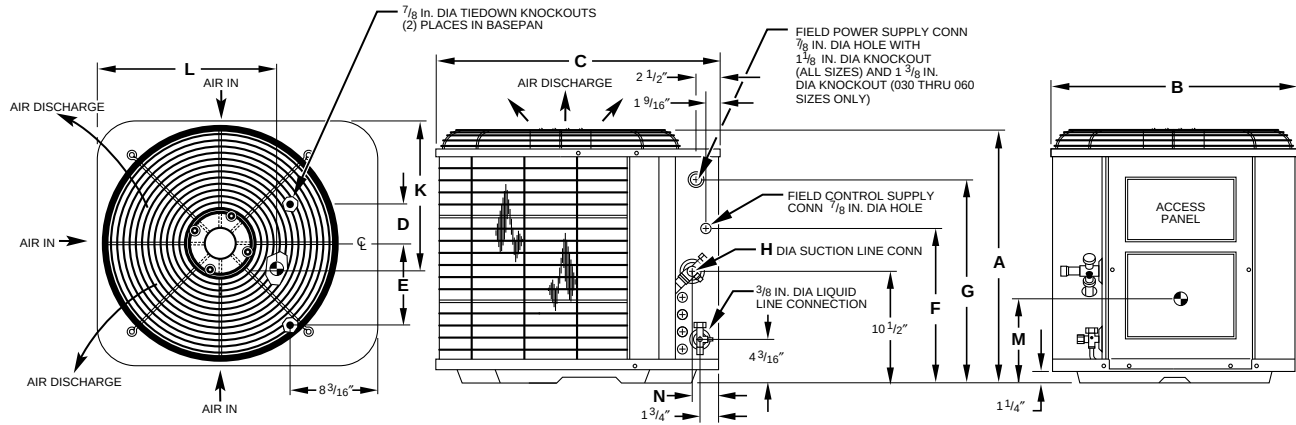
EASY SERVICEABILITY—One access panel provides access to electrical controls and compressor. Removal of wire domed top gives access to fan motor. Removal of the top allows access to the coil.

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.

NOTES:

1. Allow 30 In. (762 mm) clearance to service end of unit, 48 In. (1219 mm) above unit, 6 In. (152 mm) on one side, 12 In. (305 mm) on remaining side, and 24 In. (610 mm) between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55° F (12.8° C), MAX. 125° F (51.7° C).
3. Dimensions in parentheses are in millimeters.
4. Series designation is the 13th position of the unit model number.
5. Center of gravity .



A93001

DIMENSIONS

UNIT SIZE	SERIES	A In.	B In.	C In.	D In.	E In.	F In.	G In.	H In.	K In.	L In.	M In.	N In.
018	B	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
024	B	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
030	B	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
036	B	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
036	C	33-13/16	22-1/2	26-3/16	4-1/8	7-1/8	21-15/16	28-3/8	3/4	11-1/2	13-3/4	13-1/4	2-3/8
042	A	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
042	B	27-13/16	30	33	5-1/16	9-11/16	15-15/16	22-3/8	7/8	15-1/2	18	11-1/2	2-15/16
048	A	33-13/16	30	33	5-1/16	9-11/16	21-15/16	28-3/8	7/8	16-1/2	20-3/8	13-1/2	2-15/16
048	B	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
060	A	39-13/16	30	33	5-1/16	9-11/16	27-15/16	34-3/8	7/8	16-1/2	20-3/8	15	2-15/16
060	B	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



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

UNIT SIZE	018-B	024-B	030-B
Operating Weight	137	143	161
ELECTRICAL			
Unit Volts—Hertz—Phase	208—230—60—1	208—230—60—1	208—230—60—1
Operating Voltage Range*	197—253	197—253	197—253
Compressor— Rated Load Amps	8.6	10.9	13.7
Locked Rotor Amps	49.0	56.0	75.0
Condenser Fan Motor—Full Load Amps	0.5	0.5	0.8
Min Unit Ampacity for Wire Sizing	11.3	14.1	17.9
Min Wire Size (75° Copper) AWG††	14	14	12/14
Min Wire Size (60° Copper)††	14	14	12/14
Max Wire Length (ft) (75° Copper)‡	62	50	66/42
Max Wire Length (ft) (60° Copper)‡	66	53	70/44
Max Branch Circuit Fuse Size†	15	20	25
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
Refrigerant Tubes (in. OD) Vapor and Liquid (up to 50 ft)	5/8 and 3/8	5/8 and 3/8	3/4 and 3/8
CONDENSER COIL and FAN			
Coil Face (Sq Ft)	7.2	7.2	8.8
Fan Motor—HP, Type, and RPM	1/12 PSC and 1100		1/10 PSC and 1100
Volts—Hertz—Phase	208—230—60—1		
Condenser Airflow (CFM)	1900	1900	2100
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		
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
TXV Kits (Hard Shut-off)	KAATX0901HSO	KAATX1001HSO	KAATX1101HSO
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Manual Changeover—°F	HH01PC184		
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Auto Changeover—°F	HH01PC185		
Thermostat (1 Piece) Night Setback, 2-Stage Heat, 1-Stage Cool— Auto Changeover—°F, 5-2 Day Programmable	HH07PE001		

See notes on page 7.

UNIT SIZE	036-B	036-C
Operating Weight	169	140
ELECTRICAL		
Unit Volts—Hertz—Phase	208—230—60—1	
Operating Voltage Range*	197—253	
Compressor— Rated Load Amps	15.0	17.9
Locked Rotor Amps	82.0	105.0
Condenser Fan Motor—Full Load Amps	1.4	1.4
Min Unit Ampacity for Wire Sizing	20.2	23.8
Min Wire Size (75° Copper) AWG††	12	12
Min Wire Size (60° Copper)††	12	12
Max Wire Length (ft) (75° Copper)‡	57	50
Max Wire Length (ft) (60° Copper)‡	60	52
Max Branch Circuit Fuse Size†	30	40
COMPRESSOR and REFRIGERANT		
Compressor—Manufacturer and Type	Copeland Reciprocating	Millennium Scroll
Temperature and Current Protection	Internal Line Break	
Refrigerant—Type and Amount (lb)‡‡	R22 and 5.50	R22 and 5.63
Refrigerant Tubes (in. OD) Vapor and Liquid (up to 50 ft)	3/4 and 3/8	
CONDENSER COIL and FAN		
Coil Face (Sq Ft)	10.9	
Fan Motor—HP, Type, and RPM	1/4 PCS and 1100	
Volts—Hertz—Phase	208—230—60—1	
Condenser Airflow (CFM)	2600	
OPTIONAL EQUIPMENT		
Start Assist-Cap/Relay (Hard Start)**	KSAHS0601AAA	N/A
Start Assist-PTC	KAACS0101PTC	Standard
Liquid Solenoid Valve**	KAALS0101LLS	
Cycle Protector	KSACY0101AAA	Standard
Winter Start Control	KAAWS0101AAA	
Evap Freeze Thermostat	KAAFT0101AAA	
High-Pressure Switch	KSAHI0101HPS	Standard
Low-Pressure Switch	KAALP0101LPS	Standard
Time Delay Relay	KAATD0101TDR	
Support Feet	KSASF0101AAA	
Coastal Filter	KAACF0101SML	
Crankcase Heater	KAACH1001AAA	KAACH1201AAA
Sound Hood	KSASH1201COP	Standard
TXV Kit (RPB)	KAATX0501RPB	
TXV Kits (Hard Shut-off)	KAATX1201HSO	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Manual Changeover—°F	HH01PC184	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Auto Changeover—°F	HH01PC185	
Thermostat (1 Piece) Night Setback, 2-Stage Heat, 1-Stage Cool— Auto Changeover—°F, 5-2 Day Programmable	HH07PE001	

See notes on page 7.

UNIT SIZE	042-A	042-B
Operating Weight	206	167
ELECTRICAL		
Unit Volts—Hertz—Phase	208—230—60—1	
Operating Voltage Range*	197—253	
Compressor— Rated Load Amps	19.0	19.9
Locked Rotor Amps	105.0	115.0
Condenser Fan Motor—Full Load Amps	1.4	1.4
Min Unit Ampacity for Wire Sizing	25.2	26.3
Min Wire Size (75° Copper) AWG††	10	10
Min Wire Size (60° Copper)††	10	10
Max Wire Length (ft) (75° Copper)‡	73	70
Max Wire Length (ft) (60° Copper)‡	77	74
Max Branch Circuit Fuse Size†	40	40
COMPRESSOR and REFRIGERANT		
Compressor—Manufacturer and Type	Copeland Reciprocating	Millennium Scroll
Temperature and Current Protection	Internal Line Break	
Refrigerant—Type and Amount (lb)‡‡	R22 and 5.51	R22 and 6.00
Refrigerant Tubes (in. OD) Vapor and Liquid (up to 50 ft)	7/8 and 3/8	
CONDENSER COIL and FAN		
Coil Face (Sq Ft)	12.2	
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
Start Assist-PTC	KAACS0201PTC	Standard
Liquid Solenoid Valve**	KAALS0101LLS	
Cycle Protector	KSACY0101AAA	Standard
Winter Start Control	KAAWS0101AAA	
Evap Freeze Thermostat	KAAFT0101AAA	
High-Pressure Switch	KSAHI0101HPS	Standard
Low-Pressure Switch	KAALP0101LPS	Standard
Time Delay Relay	KAATD0101TDR	
Support Feet	KSASF0101AAA	
Coastal Filter	KAACF0201MED	
Crankcase Heater	Standard	KAACH1201AAA
Sound Hood	KSASH1201COP	Standard
TXV Kit (RPB)	KAATX0501RPB	
TXV Kits (Hard Shut-off)	KAATX1201HSO	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Manual Changeover—°F	HH01PC184	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Auto Changeover—°F	HH01PC185	
Thermostat (1 Piece) Night Setback, 2-Stage Heat, 1-Stage Cool— Auto Changeover—°F, 5-2 Day Programmable	HH07PE001	

See notes on page 7.

UNIT SIZE	048-A	048-B
Operating Weight	224	199
ELECTRICAL		
Unit Volts—Hertz—Phase	208—230—60—1	
Operating Voltage Range*	197—253	
Compressor— Rated Load Amps	26.4	24.4
Locked Rotor Amps	129.0	140.0
Condenser Fan Motor—Full Load Amps	1.4	1.4
Min Unit Ampacity for Wire Sizing	34.4	31.9
Min Wire Size (75° Copper) AWG††	10	10
Min Wire Size (60° Copper)††	8	8
Max Wire Length (ft) (75° Copper)‡	54	59
Max Wire Length (ft) (60° Copper)‡	89	97
Max Branch Circuit Fuse Size†	50	50
COMPRESSOR and REFRIGERANT		
Compressor—Manufacturer and Type	Copeland Scroll	Millennium Scroll
Temperature and Current Protection	Internal Line Break and Dome Thermostat	
Refrigerant—Type and Amount (lb)‡‡	R22 and 6.88	
Refrigerant Tubes (in. OD) Vapor and Liquid (up to 50 ft)	7/8 and 3/8	
CONDENSER COIL and FAN		
Coil Face (Sq Ft)	15.2	
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)	N/A	
Start Assist-PTC	KAACS0201PTC	Standard
Liquid Solenoid Valve**	KAALS0101LLS	
Cycle Protector	Standard	
Winter Start Control	KAAWS0101AAA	
Evap Freeze Thermostat	KAAFT0101AAA	
High-Pressure Switch	KSAHI0101HPS	Standard
Low-Pressure Switch	KAALP0101LPS	Standard
Time Delay Relay	KAATD0101TDR	
Support Feet	KSASF0101AAA	
Coastal Filter	KAACF0201MED	
Crankcase Heater	KAACH1201AAA	
Sound Hood	KSASH1701COP	Standard
TXV Kit (RPB)	KAATX0601RPB	
TXV Kits (Hard Shut-off)	KAATX1301HSO	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Manual Changeover—°F	HH01PC184	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Auto Changeover—°F	HH01PC185	
Thermostat (1 Piece) Night Setback, 2-Stage Heat, 1-Stage Cool— Auto Changeover—°F, 5-2 Day Programmable	HH07PE001	

See notes on page 7.

UNIT SIZE	060-A	060-B
Operating Weight	248	217
ELECTRICAL		
Unit Volts—Hertz—Phase	208—230—60—1	
Operating Voltage Range*	197—253	
Compressor— Rated Load Amps	32.1	28.8
Locked Rotor Amps	169.0	165.0
Condenser Fan Motor—Full Load Amps	1.4	1.4
Min Unit Ampacity for Wire Sizing	41.5	37.4
Min Wire Size (75° Copper) AWG††	8	8
Min Wire Size (60° Copper)††	6	8
Max Wire Length (ft) (75° Copper)‡	70	78
Max Wire Length (ft) (60° Copper)‡	125	82
Max Branch Circuit Fuse Size†	60	60
COMPRESSOR and REFRIGERANT		
Compressor—Manufacturer and Type	Copeland Scroll	Millennium Scroll
Temperature and Current Protection	Internal Line Break and Dome Thermostat	
Refrigerant—Type and Amount (lb)‡‡	R22 and 8.01	
Refrigerant Tubes (in. OD) Vapor and Liquid (up to 50 ft)	1-1/8 and 3/8	
CONDENSER COIL and FAN		
Coil Face (Sq Ft)	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)	N/A	
Start Assist-PTC	KAACS0201PTC	Standard
Liquid Solenoid Valve**	KAALS0101LLS	
Cycle Protector	Standard	
Winter Start Control	KAAWS0101AAA	
Evap Freeze Thermostat	KAAFT0101AAA	
High-Pressure Switch	KSAHI0101HPS	Standard
Low-Pressure Switch	KAALP0101LPS	Standard
Time Delay Relay	KAATD0101TDR	
Support Feet	KSASF0101AAA	
Coastal Filter	KAACF0201MED	
Crankcase Heater	KAACH1201AAA	
Sound Hood	KSASH1701COP	Standard
TXV Kit (RPB)	KAATX0701RPB	
TXV Kits (Hard Shut-off)	KAATX1401HSO	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Manual Changeover—°F	HH01PC184	
Thermostat and Subbase— 1-Stage Heat, 1-Stage Cool— Auto Changeover—°F	HH01PC185	
Thermostat (1 Piece) Night Setback, 2-Stage Heat, 1-Stage Cool— Auto Changeover—°F, 5-2 Day Programmable	HH07PE001	

* 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 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.

N/A—Not applicable in this application.

CHILLED WATER

UNIT SIZE	PISTON* IDENTIFICATION NO.
018-B	55
024-B	57
030-B	67
036-B, C	73
042-A, B	78
048-A, B	82
060-A	98
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	INDOOR MODEL	EVAP AIR CFM	TOT CAP BTUH	FACTORY SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (BELS)
						TDR	TXV	
018-B	CC5A/CD5A/CD5BA018*	600	17,200	None	10.00	10.50	10.50	7.6
	CC5A/CD5A/CD5AA024	600	17,800	None	10.50	11.00	11.00	7.6
	CA5A/CB5AA018	600	17,100	None	10.00	10.50	10.50	7.6
	CA5A/CB5AA024	600	17,400	None	10.50	11.00	11.00	7.6
	CD3(A,B)A018	600	17,200	None	10.00	10.50	10.50	7.6
	CD3(A,B)A024	600	17,800	None	10.50	11.00	11.00	7.6
	CE3AA024	600	18,000	None	10.50	11.00	11.00	7.6
	CF5AA024	600	18,000	None	10.50	11.00	11.00	7.6
	FB(5,4)AN(A,F)018	600	17,000	TDR	10.00	—	10.00	7.6
	FB(5,4)AN(A,F)024	600	18,000	TDR	10.50	—	10.50	7.6
	FA1ANA018	600	17,000	TDR	10.00	—	10.00	7.6
	FA1ANA024	600	18,000	TDR	10.50	—	10.50	7.6
	FC4ANF018	600	18,000	TDR & TXV	10.50	—	—	7.6
	FC4ANF024	600	18,200	TDR & TXV	10.50	—	—	7.6
	FD3ANA018	600	17,100	None	10.00	10.30	10.30	7.6
	FD3ANA024	600	17,400	None	10.20	10.50	10.50	7.6
	FK4ANF002	600	18,000	TDR & TXV	12.00	—	—	7.6
	FK4BNF001	675	18,000	TDR & TXV	12.00	—	—	7.6
	FK4BNF002	675	18,000	TDR & TXV	12.00	—	—	7.6
	FK4BNF004	675	18,000	TDR & TXV	12.50	—	—	7.6
	FF1ANA018	600	17,000	None	10.00	10.50	10.50	7.6
	FF1ANA024	600	18,000	None	10.20	10.50	10.50	7.6
024-B	CC5A/CD5A/CD5BA024*	800	23,000	None	10.00	10.20	10.20	7.8
	CC5A/CD5A/CD5BA030	800	23,000	None	10.10	10.50	10.50	7.8
	CC5A/CD5A/CD5BW030	800	23,000	None	10.10	10.50	10.50	7.8
	CA5A/CB5AA024	800	23,000	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW030	800	23,000	None	10.10	10.50	10.50	7.8
	CB5AA030	800	23,000	None	10.10	10.50	10.50	7.8
	CD3(A,B)A024	800	23,000	None	10.00	10.20	10.20	7.8
	CD3(A,B)A030	800	23,000	None	10.10	10.50	10.50	7.8
	CE3AA024	800	23,200	None	10.00	10.20	10.20	7.8
	CE3AA030	800	23,400	None	10.10	10.50	10.50	7.8
	CF5AA024	800	23,000	None	10.10	10.50	10.50	7.8
	FB4AN(A,F)030	800	23,400	TDR	10.20	—	10.20	7.8
	FB(5,4)AN(A,F)024	800	23,000	TDR	10.00	—	10.00	7.8
	FB5AN(A,F)030	800	23,000	TDR	10.20	—	10.20	7.8
	FB5BNA	800	23,400	TDR	10.20	—	10.20	7.8
	FA1ANA024	800	23,000	TDR	10.00	—	10.00	7.8
	FA1ANA030	800	23,000	TDR	10.20	—	10.20	7.8
	FA1BNA030	800	23,400	TDR	10.20	—	10.20	7.8
	FC4ANF024	800	23,600	TDR & TXV	10.50	—	—	7.8
	FC4ANF030	800	24,000	TDR & TXV	10.50	—	—	7.8
	FD3ANA024	800	22,400	None	10.00	10.20	10.20	7.8
	FD3ANA030	800	23,200	None	10.00	10.20	10.20	7.8
	FF1ANA024	800	23,000	None	10.00	10.20	10.20	7.8
	FF1ANA030	800	23,400	None	10.00	10.20	10.20	7.8
	FK4ANF002	785	23,400	TDR & TXV	11.50	—	—	7.8
	FK4BNF001	800	24,000	TDR & TXV	11.50	—	—	7.8
	FK4BNF002	800	24,000	TDR & TXV	11.50	—	—	7.8
	FK4BNF003	800	24,000	TDR & TXV	11.50	—	—	7.8
	FK4BNF004	800	24,000	TDR & TXV	12.00	—	—	7.8
030-B	CC5A/CD5A/CD5BA030*	1000	28,600	None	10.00	10.20	10.20	7.8
	CC5A/CD5A/CD5BA036	1000	29,000	None	10.10	10.50	10.50	7.8
	CC5A/CD5A/CD5BW030	1000	28,600	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW030	1000	28,600	None	10.00	10.20	10.20	7.8
	CA5A/CB5AA036	1000	29,000	None	10.10	10.50	10.50	7.8
	CD5A/CD5BW036	1000	29,000	None	10.10	10.50	10.50	7.8
	CB5AA030	1000	28,600	None	10.00	10.20	10.20	7.8
	CB5AW036	1000	29,000	None	10.10	10.50	10.50	7.8
	CD3(A,B)A030	1000	28,600	None	10.00	10.20	10.20	7.8
	CD3(A,B)A036	1000	29,000	None	10.10	10.50	10.50	7.8
	CE3AA030	1000	28,400	None	10.00	10.20	10.20	7.8
	CE3AA036	1000	29,000	None	10.10	10.50	10.50	7.8
	CF5AA036	1000	29,000	None	10.10	10.50	10.50	7.8
	FB5AN(A,F)030	1000	28,200	TDR	10.00	—	10.00	7.8
	FB4AN(A,F)030	1000	28,400	TDR	10.00	—	10.00	7.8

See notes on page 11.

UNIT SIZE	INDOOR MODEL	EVAP AIR CFM	TOT CAP BTUH	FACTORY SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (BELS)
						TDR	TXV	
030-B	FB5BNA030	1000	28,400	TDR	10.00	—	10.00	7.8
	FB(5,4)AN(A,F)036	1000	28,800	TDR	10.20	—	10.20	7.8
	FA1ANA030	1000	28,200	TDR	10.00	—	10.00	7.8
	FA1ANA036	1000	28,800	TDR	10.20	—	10.20	7.8
	FA1BNA030	1000	28,400	TDR	10.00	—	10.00	7.8
	FC4ANF030	1000	28,800	TDR & TXV	10.50	—	—	7.8
	FC4ANF036	1000	30,000	TDR & TXV	10.50	—	—	7.8
	FD3ANA030	1000	28,400	None	10.00	10.20	10.20	7.8
	FF1ANA030	1000	28,400	None	10.00	10.20	10.20	7.8
	FK4ANF002	785	28,600	TDR & TXV	11.00	—	—	7.8
	FK4ANF003	800	29,000	TDR & TXV	11.20	—	—	7.8
	FK4BNF001	1000	29,600	TDR & TXV	11.00	—	—	7.8
	FK4BNF002	1000	29,600	TDR & TXV	11.00	—	—	7.8
	FK4BNF003	1000	29,600	TDR & TXV	11.20	—	—	7.8
	FK4BNF004	1000	30,000	TDR & TXV	11.20	—	—	7.8
036-B	CC5A/CD5A/CD5BA036*	1200	34,600	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BA042	1200	34,600	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BW042	1200	34,600	None	10.00	10.20	10.20	8.0
	CA5A/CB5AA036	1200	34,600	None	10.00	10.20	10.20	8.0
	CA5A/CB5AA042	1200	34,600	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW042	1200	34,600	None	10.00	10.20	10.20	8.0
	CD5A/CD5BW036	1200	34,600	None	10.00	10.20	10.20	8.0
	CB5AW036	1200	34,600	None	10.00	10.20	10.20	8.0
	CD3(A,B)A036	1200	34,600	None	10.00	10.20	10.20	8.0
	CD3(A,B)A042	1200	34,600	None	10.00	10.20	10.20	8.0
	CE3AA036	1200	34,400	None	10.00	10.20	10.20	8.0
	CE3AA042	1200	34,600	None	10.10	10.50	10.50	8.0
	CF5AA036	1200	34,600	None	10.10	10.50	10.50	8.0
	FB(5,4)AN(A,F)036	1200	34,000	TDR	10.00	—	10.00	8.0
	FB(5,4)AN(A,M,F)042	1200	34,800	TDR	10.20	—	10.20	8.0
	FA1ANA036	1200	34,000	TDR	10.00	—	10.00	8.0
	FC4ANF036	1200	35,000	TDR & TXV	10.50	—	—	8.0
	FC4ANF042	1200	35,400	TDR & TXV	10.50	—	—	8.0
	FK4ANF003	1065	34,600	TDR & TXV	11.00	—	—	8.0
	FK4ANF004	1150	34,800	TDR & TXV	11.20	—	—	8.0
	FK4BNF001	1200	34,600	TDR & TXV	10.20	—	—	8.0
	FK4BNF002	1200	34,600	TDR & TXV	10.20	—	—	8.0
	FK4BNF003	1200	34,800	TDR & TXV	10.50	—	—	8.0
	FK4BNF004	1200	34,800	TDR & TXV	10.50	—	—	8.0
	FK4BNB005	1200	35,400	TDR & TXV	11.00	—	—	8.0
	FK4BNB006	1200	35,400	TDR & TXV	11.50	—	—	8.0
036-C	CC5A/CD5A/CD5BA036*	1200	34,600	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BA042	1200	34,800	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BA043	1200	34,800	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BW042	1200	34,800	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BW043	1200	34,800	None	10.00	10.20	10.20	8.0
	CA5A/CB5AA036	1200	34,800	None	10.00	10.20	10.20	8.0
	CA5A/CB5AA042	1200	34,200	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW042	1200	34,000	None	10.00	10.20	10.20	8.0
	CD5A/CD5BW036	1200	34,800	None	10.00	10.20	10.20	8.0
	CB5AW036	1200	34,800	None	10.00	10.20	10.20	8.0
	CD3(A,B)A036	1200	34,800	None	10.00	10.20	10.20	8.0
	CD3(A,B)A042	1200	34,800	None	10.00	10.20	10.20	8.0
	CE3AA036	1200	34,400	None	10.00	10.20	10.20	8.0
	CE3AA042	1200	34,600	None	10.10	10.50	10.50	8.0
	CF5AA036	1200	34,600	None	10.10	10.50	10.50	8.0
	FB(5,4)AN(A,F)036	1200	34,200	TDR	10.00	—	10.00	8.0
	F(A,B)4ANF036	1200	34,200	TDR	10.00	—	10.00	8.0
	FB4AN(A,M,F)042	1200	34,800	TDR	10.20	—	10.20	8.0
	FB5AN(A,F)042	1200	34,800	TDR	10.20	—	10.20	8.0
	F(A,B)4AN(F,B)042	1200	34,800	TDR	10.20	—	10.20	8.0
	FA1ANA036	1200	34,200	TDR	10.00	—	10.00	8.0
	FC4BNF033	1200	35,000	TDR & TXV	10.20	—	—	8.0
	FC4BNF036	1200	34,000	TDR & TXV	10.00	—	—	8.0
	FC4BNF038	1200	35,400	TDR & TXV	10.50	—	—	8.0
	FC4BN(F,B)042	1200	34,800	TDR & TXV	10.20	—	—	8.0
	FC4BNB054	1200	36,000	TDR & TXV	11.00	—	—	8.0
	FG3AA036	1200	34,000	None	10.00	10.20	10.20	8.0
	FK4ANF003	1195	34,600	TDR & TXV	11.00	—	—	8.0
	FK4ANF004	1200	34,800	TDR & TXV	11.20	—	—	8.0
	FK4BNF001	1190	34,400	TDR & TXV	10.50	—	—	8.0
	FK4BNF002	1190	34,800	TDR & TXV	10.50	—	—	8.0
	FK4BNF003	1075	35,000	TDR & TXV	11.00	—	—	8.0
	FK4BNF004	1095	35,000	TDR & TXV	11.00	—	—	8.0
	FK4BNB005	1150	36,000	TDR & TXV	11.50	—	—	8.0
	FK4BNB006	1125	36,000	TDR & TXV	11.50	—	—	8.0
042-A	CC5A/CD5A/CD5BA042*	1400	39,500	None	10.00	10.20	10.20	8.0
	CC5A/CD5A/CD5BA043	1400	39,500	None	10.10	10.50	10.50	8.0
	CD5A/CC5A/CD5BW042	1400	39,500	None	10.00	10.20	10.20	8.0
	CD5A/CC5A/CD5BW048	1400	40,000	None	10.10	10.50	10.50	8.0
	CC5A/CD5A/CD5BW043	1400	39,500	None	10.10	10.50	10.50	8.0
	CA5A/CB5AA042	1400	40,000	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW042	1400	40,000	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW048	1400	40,000	None	10.10	10.50	10.50	8.0
	CD5A/CD5BA048	1400	40,000	None	10.10	10.50	10.50	8.0
	CB5AA048	1400	40,000	None	10.10	10.50	10.50	8.0

See notes on page 11.

UNIT SIZE	INDOOR MODEL	EVAP AIR CFM	TOT CAP BTUH	FACTORY SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (BELS)
						TDR	TXV	
042-A	CD3(A,B)A042	1400	39,500	None	10.00	10.20	10.20	8.0
	CD3(A,B)A048	1400	40,000	None	10.10	10.50	10.50	8.0
	CE3AA042	1400	39,500	None	10.00	10.20	10.20	8.0
	CE3AA048	1400	39,500	None	10.10	10.50	10.50	8.0
	CF5AA048	1400	40,000	None	10.10	10.50	10.50	8.0
	FB(5,4)AN(A,M,F)042	1400	39,500	TDR	10.00	—	10.00	8.0
	FB(5,4)AN(A,M,F)048	1400	40,500	TDR	10.50	—	10.50	8.0
	FC4ANF042	1400	40,500	TDR & TXV	10.50	—	—	8.0
	FC4ANF048	1400	41,000	TDR & TXV	10.50	—	—	8.0
	FK4ANF004	1255	40,500	TDR & TXV	11.00	—	—	8.0
	FK4ANF005	1270	41,000	TDR & TXV	11.20	—	—	8.0
	FK4BNF003	1400	40,000	TDR & TXV	11.00	—	—	8.0
	FK4BNB005	1400	41,000	TDR & TXV	11.20	—	—	8.0
	FK4BNB006	1400	41,500	TDR & TXV	11.50	—	—	8.0
042-B	CC5A/CD5A/CD5BA042*	1400	40,000	None	10.00	10.50	10.50	8.0
	CC5A/CD5A/CD5BA043	1400	40,000	None	10.00	10.50	10.50	8.0
	CC5A/CD5A/CD5BW042	1400	40,000	None	10.00	10.50	10.50	8.0
	CC5A/CD5A/CD5BW043	1400	40,000	None	10.00	10.50	10.50	8.0
	CC5A/CD5A/CD5BW048	1400	39,500	None	10.00	10.50	10.50	8.0
	CC5A/CD5A/CD5BC048	1400	40,000	None	10.10	10.50	10.50	8.0
	CA5A/CB5AA042	1400	40,000	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW042	1400	40,000	None	10.00	10.20	10.20	8.0
	CA5A/CB5AW048	1400	40,000	None	10.00	10.50	10.50	8.0
	CD5A/CD5BA048	1400	40,000	None	10.00	10.50	10.50	8.0
	CB5AA048	1400	40,000	None	10.00	10.50	10.50	8.0
	CD3(A,B)A042	1400	40,000	None	10.00	10.50	10.50	8.0
	CD3(A,B)A048	1400	40,000	None	10.10	10.50	10.50	8.0
	CE3AA042	1400	40,000	None	10.00	10.50	10.50	8.0
	CE3AA048	1400	40,000	None	10.00	10.50	10.50	8.0
	CF5AA048	1400	40,000	None	10.00	10.50	10.50	8.0
	FB4AN(A,M,F)042	1400	40,000	TDR	10.00	—	10.00	8.0
	FB4AN(A,M,F)048	1400	41,000	TDR	10.50	—	10.50	8.0
	FB5AN(A,F)042	1400	40,000	TDR	10.00	—	10.00	8.0
	FB5AN(A,F)048	1400	41,000	TDR	10.50	—	10.50	8.0
	F(A,B)4AN(F,B)042	1400	40,000	TDR	10.00	—	10.00	8.0
	F(A,B)4AN(F,B)048	1400	41,000	TDR	10.50	—	10.50	8.0
	FC4BN(F,B)042	1400	40,000	TDR & TXV	10.00	—	—	8.0
	FC4BN(F,B)048	1400	41,000	TDR & TXV	10.50	—	—	8.0
	FC4BNF038	1400	41,000	TDR & TXV	10.50	—	—	8.0
	FC4BNB054	1400	41,500	TDR & TXV	11.00	—	—	8.0
	FG3AAA048	1400	40,000	None	10.00	10.50	10.50	8.0
	FK4ANF004	1400	41,000	TDR & TXV	11.00	—	—	8.0
	FK4ANF005	1395	41,500	TDR & TXV	11.00	—	—	8.0
	FK4BNF003	1250	40,000	TDR & TXV	11.00	—	—	8.0
	FK4BNB005	1335	41,000	TDR & TXV	11.50	—	—	8.0
	FK4BNB006	1315	41,500	TDR & TXV	11.50	—	—	8.0
048-A	CD5A/CD5BA048*	1600	47,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BA060	1600	47,500	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BW048	1600	47,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BW060	1600	48,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BC048	1600	46,000	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW048	1600	47,500	None	10.20	10.50	10.50	7.8
	CA5A/CB5AW060	1600	45,500	None	10.20	10.50	10.50	7.8
	CA5A/CB5AA060	1600	45,500	None	10.20	10.50	10.50	7.8
	CB5AA048	1600	47,500	None	10.20	10.50	10.50	7.8
	CB5AC048	1600	45,000	None	10.00	10.20	10.20	7.8
	CD3(A,B)A048	1600	47,000	None	10.20	10.50	10.50	7.8
	CD3(A,B)A060	1600	47,500	None	10.20	10.50	10.50	7.8
	CE3AA048	1600	47,500	None	10.20	10.50	10.50	7.8
	CE3AA060	1600	48,000	None	10.20	10.50	10.50	7.8
	CF5AA048	1600	47,000	None	10.20	10.50	10.50	7.8
	FB(5,4)AN(A,M,F)048	1600	47,500	TDR	10.20	—	10.20	7.8
	FB(5,4)AN(A,M,F)060	1600	48,000	TDR	10.50	—	10.50	7.8
	FC4ANF048	1600	48,000	TDR & TXV	10.50	—	—	7.8
	FC4ANF060	1600	48,500	TDR & TXV	10.50	—	—	7.8
	FK4ANF005	1535	47,500	TDR & TXV	11.00	—	—	7.8
	FK4ANF006	1600	48,000	TDR & TXV	11.20	—	—	7.8
	FK4BNB006	1600	48,000	TDR & TXV	11.00	—	—	7.8
048-B	CC5A/CD5A/CD5BA048*	1600	46,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BA060	1600	46,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BW048	1600	46,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BW060	1600	47,500	None	10.50	11.00	11.00	7.8
	CC5A/CD5A/CD5BC048	1600	45,000	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW048	1600	46,000	None	10.20	10.50	10.50	7.8
	CA5A/CB5AW060	1600	44,500	None	10.20	10.50	10.50	7.8
	CA5A/CB5AA060	1600	44,500	None	10.20	10.50	10.50	7.8
	CB5AA048	1600	46,000	None	10.20	10.50	10.50	7.8
	CD3(A,B)A048	1600	46,000	None	10.20	10.50	10.50	7.8
	CD3(A,B)A060	1600	46,000	None	10.20	10.50	10.50	7.8
	CE3AA048	1600	46,500	None	10.20	10.50	10.50	7.8
	CE3AA060	1600	48,000	None	10.30	10.50	10.50	7.8
	CF5AA048	1600	46,000	None	10.30	10.50	10.50	7.8
	FB4AN(A,M,F)048	1600	46,500	TDR	10.50	—	10.50	7.8
	FB4ANB070	1600	48,000	TDR	11.00	—	11.00	7.8
	FB4AN(M,F)070	1600	48,000	TDR	11.00	—	11.00	7.8
	FB5AN(A,F)048	1600	46,500	TDR	10.50	—	10.50	7.8

See notes on page 11.

INDOOR UNIT PERFORMANCE SUMMARY

UNIT SIZE	INDOOR MODEL	EVAP AIR CFM	TOT CAP BTUH	FACTORY SUPPLIED ENHANCE-MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		SOUND RATING (BELS)
						TDR	TXV	
048-B	FB5AN(A,F)060	1600	48,000	TDR	10.50	—	10.50	7.8
	F(A,B)4AN(F,B)048	1600	46,500	TDR	10.50	—	10.50	7.8
	F(A,B)4AN(F,B)060	1600	48,000	TDR	10.50	—	10.50	7.8
	FC4BN(F,B)048	1600	46,500	TDR & TXV	10.40	—	—	7.8
	FC4BN(F,B)060	1600	47,500	TDR & TXV	10.50	—	—	7.8
	FC4BNB054	1600	48,000	TDR & TXV	11.00	—	—	7.8
	FC4BNB070	1600	48,000	TDR & TXV	11.00	—	—	7.8
	FG3AAA048	1600	46,000	None	10.00	10.50	10.50	7.8
	FG3AAA060	1600	47,500	None	10.30	10.50	10.50	7.8
	FK4ANF005	1515	47,500	TDR & TXV	11.00	—	—	7.8
	FK4ANF006	1600	48,000	TDR & TXV	11.20	—	—	7.8
	FK4BNB006	1500	48,000	TDR & TXV	11.50	—	—	7.8
060-A	CC5A/CD5A/CD5BW060*	2000	56,500	None	10.10	10.50	10.50	7.8
	CC5A/CD5A/CD5BA060	2000	54,000	None	10.00	10.20	10.20	7.8
	CA5A/CB5AA060	2000	55,000	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW060	2000	55,000	None	10.10	10.50	10.50	7.8
	CD3(A,B)A060	2000	54,000	None	10.00	10.20	10.20	7.8
	CE3AA060	2000	57,000	None	10.10	10.50	10.50	7.8
	FB4AN(M,F)070	2000	58,000	TDR	10.50	—	10.50	7.8
	FB(5,4)AN(A,M,F)060	2000	56,500	TDR	10.00	—	10.00	7.8
	FC4ANF060	2000	58,000	TDR & TXV	10.30	—	—	7.8
	FK4ANF006	1800	57,500	TDR & TXV	10.70	—	—	7.8
	FK4BNB006	2000	57,500	TDR & TXV	10.50	—	—	7.8
060-B	CC5A/CD5A/CD5BW060*	2000	57,000	None	10.20	10.50	10.50	7.8
	CC5A/CD5A/CD5BA060	1800	54,500	None	10.00	10.20	10.20	7.8
	CA5A/CB5AA060	1800	54,500	None	10.00	10.20	10.20	7.8
	CA5A/CB5AW060	2000	55,000	None	10.00	10.40	10.40	7.8
	CD3(A,B)A060	1800	54,500	None	10.00	10.20	10.20	7.8
	CE3AA060	2000	57,500	None	10.20	10.50	10.50	7.8
	FB4AN(A,M,F)060	2000	57,500	TDR	10.00	—	10.00	7.8
	FB5AN(A,F)060	2000	57,500	TDR	10.00	—	10.00	7.8
	F(A,B)4AN(F,B)060	2000	57,500	TDR	10.00	—	10.00	7.8
	FB4AN(M,F)070	2000	58,500	TDR	10.50	—	10.50	7.8
	FB4ANB070	2000	58,500	TDR	10.50	—	10.50	7.8
	FC4BNB070	2000	58,500	TDR & TXV	10.50	—	—	7.8
	FC4BN(F,B)060	2000	57,500	TDR & TXV	10.00	—	—	7.8
	FG3AAA060	2000	57,000	None	10.20	10.50	10.50	7.8
	FK4ANF006	2000	58,000	TDR & TXV	10.50	—	—	7.8
	FK4BNB006	1775	58,000	TDR & TXV	11.00	—	—	7.8

* Tested combination.

† Refer to TDR table prior to utilizing accessory TDR.

- 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.

TDR.90 TABLE

METHOD	PART/MODEL NO.
Time-Delay Relay	KAATD0101TDR
Furnaces with TDR	395C, 376C, 398A, 398B, 399A, 349MAV, 383KAV, 373LAV, 394HAD, 396HAD, 350MAV, 340MAV, 355MAV, 330AAV, 331AAV

NOTE: In most cases, only 1 of the above should be used to achieve TDR function. More than 1 of the methods listed above in a system may cause degradation in performance.

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		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**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
593C018-B Outdoor Section With CD5A/CC5A-A018 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							
CB5A/CA5AA		018	0.99		FC4ANF		018	1.05								
		024	1.01				024	1.06								
CD5A/CC5A/CD5BA		018	1.00		FD3AA		018	0.99								
		024	1.03				024	1.01								
CD3AA		018	1.00		FF1AA		018	0.99								
		024	1.03				024	1.05								
CE3AA		024	1.05		FK4ANF		002	1.05								
CF5AA		024	1.05		FK4BNF		001	1.05								
FB4A/FB5A(A,F)		018	0.99				002	1.05								
		024	1.05				004	1.05								
FA1ANA		018	0.99				—	—								
		024	1.05													
593C024-B Outdoor Section With CD5A/CC5A-A024 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							
CB5A/CA5AA		024	1.00		FA1BNA		030	1.02								
CB5A/CA5AW		030	1.00		FC4ANF		024	1.03								
CD5A/CC5A/CD5BA		024	1.00				030	1.04								
		030	1.00		FB5BNA	030	1.02									
CD5A/CC5A/CD5BW		030	1.00		FK4BNF		001	1.04								
CB5AA		030	1.00				002	1.04								
CD3(A,B)A		024	1.00				003	1.04								
		030	1.00				004	1.04								
CE3AA		024	1.01		FD3AN		024	0.97								
		030	1.02				030	1.01								
CF5AA		024	1.00		FK4A		002	1.02								
FB4A/FB5A(A,F)		024	1.00		FF1ANA		024	1.00								
FB4AN(A,F)		030	1.02				030	1.02								
FB5A(A,F)		030	1.00				—	—								
FA1ANA		024	1.00													
		030	1.00													

See notes on page 17.

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 CD5A/CC5A-A030 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/CD5BW		030	1.00		FB(4,5)AN(A,F)		036	1.01								
CC5A/CD5A/CD5BA		030	1.00		FA1AN		030	0.99								
		036	1.01				036	1.01								
CA5A/CB5AA		036	1.01		FA1BN		030	0.99								
CA5A/CB5AW		030	1.00		FC4AN		030	1.01								
CD5A/CD5BW		036	1.01				036	1.05								
CB5AA		030	1.00		FD3AA		030	0.99								
CB5AW		036	1.01		FB5BNA		030	0.99								
CD3(A,B)A		030	1.00		FK4BNF		001	1.03								
		036	1.01				002	1.03								
CE3AA		030	0.99				003	1.03								
		036	1.01				004	1.05								
CF5AA		036	1.01		FK4A		002	1.00								
FB4AN(A,F)		030	0.99				003	1.01								
FB5A(A,F)		030	0.99		FF1AA		030	0.99								
593C036-B Outdoor Section With CD5A/CC5A-A036 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/CD5AA/CD5BA		036	1.00		FB5A/FB4A(A,F)		036	0.98								
		042	1.00		FB5A/FB4A(A,M,F)		042	1.01								
CC5A/CD5A/CD5BW		042	1.00		FC4ANF		036	1.01								
CA5A/CB5AA		036	1.00				042	1.02								
		042	1.00		FA1ANA		036	0.98								
CA5A/CB5AW		042	1.00		FK4BNF		001	1.00								
CB5AW		036	1.00				002	1.00								
CD3(A,B)A		036	1.00				003	1.01								
		042	1.00				004	1.01								
CD5A/CD5BW		036	1.00		FK4BNB		005	1.02								
CE3AA		036	0.99		FK4A		006	1.02								
		042	1.00				003	1.00								
CF5AA		036	1.00				004	1.01								

See notes on page 17.

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		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**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
593C036-C Outdoor Section With CC5A/CD5A/CD5B-A036 Indoor Section																
1050	72	40.4	20.2	3.35	38.7	19.5	3.66	36.9	18.9	3.98	35.0	18.2	4.31	33.0	17.5	4.65
	67	37.1	25.7	3.27	35.5	25.0	3.57	33.8	24.3	3.88	32.1	23.6	4.19	30.2	22.9	4.52
	62	34.0	31.0	3.19	32.5	30.3	3.48	31.0	29.5	3.78	29.4	28.6	4.09	27.7	27.5	4.40
	57	32.8	32.8	3.16	31.6	31.6	3.45	30.3	30.3	3.76	29.0	29.0	4.07	27.6	27.6	4.40
1200	72	41.1	21.1	3.43	39.3	20.4	3.73	37.4	19.8	4.06	35.4	19.1	4.39	33.4	18.4	4.73
	67	37.7	27.3	3.35	36.1	26.6	3.64	34.3	25.9	3.95	32.5	25.2	4.27	30.6	24.4	4.60
	62	34.7	33.1	3.27	33.1	32.2	3.56	31.6	31.2	3.86	30.0	30.0	4.17	28.5	28.5	4.50
	57	34.0	34.0	3.25	32.7	32.7	3.54	31.4	31.4	3.85	30.0	30.0	4.17	28.5	28.5	4.51
1350	72	41.5	21.9	3.50	39.7	21.3	3.80	37.8	20.6	4.13	35.8	19.9	4.46	33.7	19.2	4.81
	67	38.2	28.8	3.42	36.5	28.1	3.71	34.7	27.4	4.03	32.8	26.7	4.35	30.8	25.9	4.68
	62	35.2	34.7	3.34	33.7	33.7	3.64	32.3	32.3	3.95	30.8	30.8	4.27	29.3	29.3	4.60
	57	35.0	35.0	3.34	33.7	33.7	3.63	32.3	32.3	3.95	30.8	30.8	4.27	29.2	29.2	4.61
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		1.00		FB5AN(A,F)		042	1.01		1.01				
		042	1.01		1.00		F(A,B)4ANF		036	0.99		1.02				
		043	1.01		1.00		F(A,B)4AN(F,B)		042	1.01		1.01				
CC5A/CD5A/CD5BW		042	1.01		1.00		FC4BNF		033	1.01		1.01				
		043	1.01		1.00				036	0.98		1.02				
CA5A/CB5AA		036	1.01		1.00				038	1.02		1.02				
		042	0.99		0.99		FC4BNB		054	1.04		1.00				
CA5A/CB5AW		042	0.98		0.99		FC4BN(F,B)		042	1.01		1.01				
CB5AW		036	1.01		1.00		FG3AA		036	0.98		1.00				
CD5A/CD5BW		036	1.01		1.00		FK4ANF		003	1.00		0.97				
CD3(A,B)A		036	1.01		1.00				004	1.01		0.97				
		042	1.01		1.00				001	0.99		0.99				
CE3AA		036	0.99		1.00		FK4BNF	002	1.01		0.99					
		042	1.00		1.00			003	1.01		0.94					
CF5AA		036	1.00		1.00			004	1.01		0.95					
FA1ANA		036	0.99		1.02			FK4BNB	005	1.04		0.95				
FB(5,4)AN(A,F)		036	0.99		1.02		006		1.04		0.94					
FB4AN(A,M,F)		042	1.01		1.01		—		—		—					
593C042-A Outdoor Section With CD5A/CC5A-A042 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		CE3AA		042	1.00		1.00				
		043	1.00		1.00				048	1.00		1.00				
CA5A/CB5AA		042	1.01		1.01		CF5AA		048	1.01		1.00				
CA5A/CB5AW		042	1.01		1.01		FB(4,5)AN(A,M,F)		042	1.00		1.03				
		048	1.01		1.01				048	1.03		1.01				
CC5A/CD5A/CD5BW		042	1.00		1.00		FC4ANF		042	1.03		1.04				
		043	1.00		1.00				048	1.04		1.04				
		048	1.01		1.00				004	1.03		0.96				
CB5AA		048	1.01		1.01		FK4A		005	1.04		0.96				
CD3(A,B)A		042	1.00		1.00				003	1.01		0.96				
		048	1.01		1.00				005	1.04		0.99				
CD5A/CD5BA		048	1.01		1.00		FK4BNF		006	1.05		0.98				

See notes on page 17.

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-B Outdoor Section With CC5A/CD5A/CD5B-A042 Indoor Section																
1250	72	47.9	23.8	4.03	45.7	23.0	4.36	43.4	22.1	4.70	41.0	21.3	5.07	38.6	20.4	5.45
	67	43.6	30.1	3.89	41.6	29.3	4.21	39.5	28.4	4.55	37.3	27.6	4.91	35.0	26.6	5.27
	62	39.7	36.2	3.77	37.8	35.3	4.08	35.9	34.3	4.41	34.0	33.1	4.76	31.9	31.8	5.11
	57	38.2	38.2	3.72	36.7	36.7	4.04	35.2	35.2	4.38	33.5	33.5	4.74	31.8	31.8	5.11
1400	72	48.6	24.7	4.11	46.3	23.9	4.44	44.0	23.0	4.79	41.5	22.2	5.16	39.0	21.3	5.54
	67	44.3	31.7	3.98	42.2	30.9	4.30	40.1	30.0	4.63	37.8	29.1	4.99	35.4	28.2	5.36
	62	40.4	38.2	3.85	38.5	37.2	4.17	36.6	36.0	4.50	34.6	34.6	4.85	32.7	32.7	5.22
	57	39.4	39.4	3.82	37.9	37.9	4.15	36.3	36.3	4.49	34.6	34.6	4.85	32.7	32.7	5.22
1550	72	49.2	25.5	4.19	46.8	24.7	4.52	44.4	23.9	4.87	41.9	23.0	5.24	39.3	22.1	5.62
	67	44.9	33.2	4.05	42.7	32.4	4.38	40.5	31.5	4.71	38.2	30.5	5.07	35.7	29.6	5.44
	62	41.0	40.0	3.93	39.1	38.7	4.25	37.2	37.2	4.58	35.4	35.4	4.95	33.5	33.5	5.32
	57	40.5	40.5	3.92	38.9	38.9	4.24	37.2	37.2	4.59	35.4	35.4	4.95	33.5	33.5	5.33
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		FB4AN(A,M,F)		042	1.00								
		043	1.00				048	1.02								
CC5A/CD5A/CD5BW		042	1.00		FB5AN(A,F)		042	1.00								
		043	1.00				048	1.02								
		048	0.99		1.00		F(A,B)4AN(F,B)	042	1.00							
CC5A/CD5A/CD5BC		048	1.00		1.00		048	1.02								
CA5A/CB5AA		042	1.00		1.00		FC4BN(F,B)	042	1.00							
CA5A/CB5AW		042	1.00		1.00		048	1.02								
		048	1.00		0.99			1.01								
CB5AA		048	1.00		0.99		FC4BNB	054	1.04							
CD3(A,B)A		042	1.00		1.00		FC4BNF	038	1.02							
		048	1.00		1.00		FG3AAA	048	1.00							
CD5A/CD5BA		048	1.00		1.00		FK4ANF	004	1.02							
								005	1.04							
CE3AA		042	1.00		1.00		FK4BNF	003	1.00							
		048	1.00		1.00		FK4BNB	005	1.02							
CF5AA		048	1.00		1.00		006	1.04								
593C048-A Outdoor Section With CD5A/CC5A-A048 Indoor Section																
1400	72	52.5	25.8	4.63	50.3	25.0	5.09	48.0	24.1	5.58	45.7	23.3	6.10	43.2	22.4	6.65
	67	48.3	32.6	4.54	46.2	31.8	4.99	44.2	30.9	5.46	42.0	30.0	5.97	39.6	29.1	6.51
	62	44.2	39.3	4.45	42.4	38.4	4.89	40.4	37.4	5.35	38.4	36.4	5.85	36.3	35.2	6.37
	57	42.1	42.1	4.41	40.6	40.6	4.85	39.1	39.1	5.31	37.5	37.5	5.82	35.8	35.8	6.35
1600	72	53.3	26.8	4.73	51.1	26.0	5.19	48.7	25.2	5.68	46.3	24.3	6.20	43.7	23.4	6.76
	67	49.1	34.5	4.63	47.0	33.7	5.09	44.8	32.8	5.57	42.6	31.9	6.08	40.2	30.9	6.62
	62	45.0	41.8	4.55	43.1	40.8	4.99	41.1	39.7	5.46	39.0	38.5	5.96	37.0	36.9	6.48
	57	43.6	43.6	4.52	42.1	42.1	4.96	40.5	40.5	5.44	38.7	38.7	5.95	36.9	36.9	6.49
1800	72	54.0	27.8	4.82	51.7	27.0	5.28	49.2	26.2	5.78	46.7	25.3	6.30	44.1	24.4	6.86
	67	49.7	36.3	4.73	47.6	35.4	5.18	45.3	34.6	5.66	43.0	33.6	6.17	40.5	32.7	6.71
	62	45.7	44.0	4.64	43.7	42.9	5.08	41.7	41.5	5.55	39.8	39.8	6.06	37.9	37.9	6.61
	57	44.9	44.9	4.62	43.3	43.3	5.07	41.6	41.6	5.55	39.8	39.8	6.06	37.9	37.9	6.61
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/CD5BW		048	1.00		CD5A/CD5BA		048	1.00								
		060	1.02				048	1.01								
CC5A/CD5A/CD5BC		048	0.98		CE3AA		060	1.02								
		060	1.01				048	1.00								
CA5A/CB5AW		048	1.01		CF5AA		048	1.00								
		060	0.97				060	1.02								
CA5A/CB5AA		060	0.97		0.98		FC4ANF	048	1.02							
CB5AA		048	1.01		1.02		060	1.03								
CB5AC		048	0.96		0.98			005	1.01							
CD3(A,B)A		048	1.00		1.00		006	1.02								
		060	1.01		1.00			FK4BNB	006	1.02						

See notes on page 17.

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‡	
593C048-B Outdoor Section With CC5A/CD5A/CD5B-A048 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		048	1.00	1.00					FB4AN(A,M,F)	048	1.01	1.02				
		060	1.00	1.00					FB4AN(M,F)	070	1.04	1.03				
CC5A/CD5A/CD5BC		048	0.98	0.99					FB5AN(A,F)	048	1.01	1.02				
CC5A/CD5A/CD5BW		048	1.00	1.00						060	1.04	1.04				
		060	1.03	1.01					FB4ANB	070	1.04	1.03				
CA5A/CB5AA		060	0.97	0.98					FC4BNB	054	1.04	1.02				
CA5A/CB5AW		048	1.00	1.00					FC4BN(F,B)	070	1.04	1.02				
		060	0.97	0.98						048	1.01	1.02				
CB5AA		048	1.00	1.00						060	1.03	1.03				
CD3(A,B)A		048	1.00	1.00					FG3AAA	048	1.00	1.00				
		060	1.00	1.00						060	1.03	1.01				
CE3AA		048	1.01	1.00					FK4ANF	005	1.03	0.99				
		060	1.04	1.01						006	1.04	0.99				
CF5AA		048	1.00	0.99					FK4BNB	006	1.04	0.96				
F(A,B)4AN(F,B)		048	1.01	1.02						—	—	—				
		060	1.04	1.04												
593C060-A Outdoor Section With CD5A/CC5A-A060 Indoor Section																
1750	72	63.1	31.1	5.61	60.5	30.1	6.18	57.7	29.1	6.80	54.7	28.0	7.46	51.6	26.8	8.17
	67	58.1	39.4	5.49	55.6	38.4	6.05	53.0	37.3	6.65	50.3	36.2	7.30	47.3	35.0	8.00
	62	53.3	47.9	5.38	51.0	46.4	5.93	48.6	45.2	6.52	46.0	43.9	7.15	43.4	42.4	7.82
	57	50.8	50.8	5.33	49.0	49.0	5.88	47.1	47.1	6.47	45.0	45.0	7.12	42.9	42.9	7.80
2000	72	64.1	32.4	5.73	61.4	31.4	6.30	58.5	30.3	6.92	55.4	29.2	7.58	52.1	28.1	8.30
	67	59.1	41.7	5.61	56.5	40.6	6.17	53.8	39.6	6.78	50.9	38.4	7.43	47.9	37.2	8.12
	62	54.2	50.5	5.50	51.8	49.3	6.05	49.4	47.9	6.64	46.8	46.3	7.28	44.2	44.2	7.96
	57	52.6	52.6	5.46	50.7	50.7	6.02	48.7	48.7	6.62	46.5	46.5	7.27	44.2	44.2	7.96
2250	72	64.9	33.6	5.84	62.1	32.6	6.42	59.1	31.5	7.03	55.9	30.4	7.70	52.6	29.3	8.41
	67	59.8	43.9	5.72	57.2	42.8	6.29	54.4	41.7	6.89	51.4	40.6	7.54	48.3	39.4	8.24
	62	55.0	53.2	5.61	52.6	51.8	6.17	50.2	50.0	6.76	47.8	47.8	7.42	45.3	45.3	8.11
	57	54.2	54.2	5.60	52.2	52.2	6.15	50.0	50.0	6.76	47.7	47.7	7.41	45.3	45.3	8.12
Multipliers for Determining the Performance With Other Indoor Sections																
Indoor Section		Unit Size	Cooling						Indoor Section	Unit Size	Cooling					
			Capacity	Power							Capacity	Power				
CB5A/CA5AA		060	0.97	0.99					FB(4,5)AN(A,M,F)	060	1.00	1.05				
CB5A/CA5AW		060	0.97	0.99					FB4AN(M,F)	070	1.03	1.03				
CD5A/CC5A/CD5BA		060	0.96	0.99					FK4ANF	006	1.02	0.99				
CD5A/CC5A/CD5BW		060	1.00	1.00					FC4ANF	060	1.03	1.06				
CD3(A,B)A		060	0.96	0.99					FK4BNB	006	1.02	1.01				
CE3AA		060	1.01	1.00						—	—	—				

See notes on page 17.

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‡	
593C060-B Outdoor Section With CC5A/CD5A/CD5B-W060 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		FB4AN(M,F)		070	1.03 1.02								
CC5A/CD5A/CD5BW		060	1.00 1.00		FB5AN(A,F)		060	1.01 1.04								
CA5A/CB5AA		060	0.96 0.97		FB4ANB		070	1.03 1.02								
CA5A/CB5AW		060	0.96 0.99		FC4BN(F,B)		060	1.01 1.04								
CD3(A,B)A		060	0.96 0.98		FC4BNB		070	1.03 1.02								
CE3AA		060	1.01 1.00		FG3AAA		060	1.00 1.00								
F(A,B)4AN(F,B)		060	1.01 1.04		FK4BNB		006	1.02 0.97								
FB4AN(A,M,F)		060	1.01 1.04		FK4ANF		006	1.02 1.03								

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation and connected by 25 ft of tubing. If other than 25 ft of tubing is used 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 kw's.

1. 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.

2. 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.

3. 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 1) 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).

4. 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.

5. Winter Start Control

A 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.

6. Evaporator Freeze Thermostat

A 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 4) 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. 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 4) can be used with this switch.

SUGGESTED USE: Where indoor coil is exposed to "dirty" air.

All commercial installations.

9. Time Delay Relay

A 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.)

10. 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.

Roof-top installations.

11. 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.

12. 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.

13. Sound 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. 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.)

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.



SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS