


Model AA1B

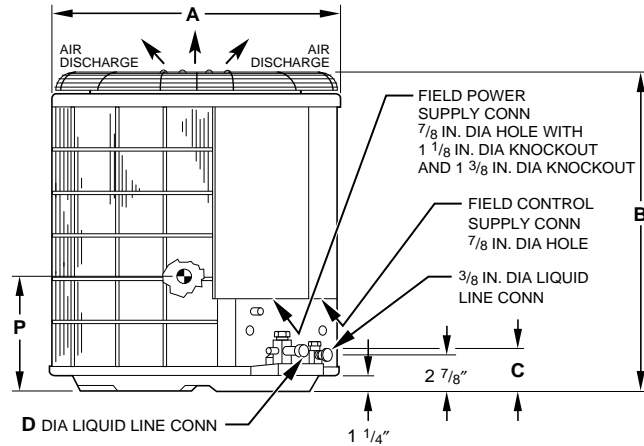
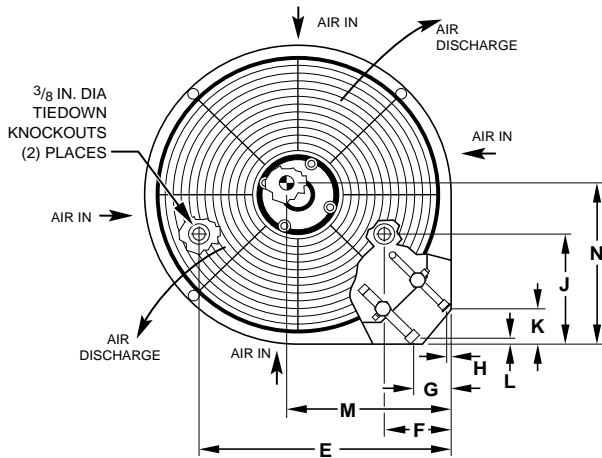
10.0 SEER AIR CONDITIONER

FEATURES

- AVAILABLE SIZES:** 18,000 to 60,000 Btu
- CERTIFICATION:** U.L., c-UL, ARI and CEC Listed
- ELECTRICAL RANGE:** 208–230v, 60 Hertz, 1 Phase
- COMPRESSOR PROTECTION:** Each compressor is protected with internal temperature- and current-sensitive overloads. An internal pressure relief valve provides high-pressure protection to the refrigerant system.
- FAN MOTOR:** A 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.
- COIL DESIGN:** The copper tube, enhanced sine wave, 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.
- 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.
- SERVICEABILITY:** Unit has easy serviceability with one access panel providing access to electrical controls. Removal of top gives access to fan motor, compressor, and condenser coil.
- CABINET:** Weather-protective cabinet has steel protected with a galvanized coating and treated with a layer of zinc phosphate. A coat of modified polyester powder coating is then applied and baked-on, providing each unit with a hard, smooth finish that will last for many years.
All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

NOTES:

1. Allow 30 in. clearance to service side of unit, 48 in. above unit, 6 in. on one side, 12 in. on remaining side, and 24 in. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F max 125°F.
3. Series designation is the 14th position of the unit model number.
4. Center of gravity 



A93003

DIMENSIONS

UNIT SIZE	SERIES	OPER. WT. Lb.	A	B	C	D	E	F	J	M	N	P
			In.	In.	In.	In.	In.	In.	In.	In.	In.	In.
018	A	112	22-1/2	21-15/16	3-3/16	5/8	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	9-3/4
024	A	121	22-1/2	23-15/16	3-3/16	5/8	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	10-3/4
030	A	127	22-1/2	25-15/16	3-3/16	3/4	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-1/4
036	A	142	22-1/2	29-15/16	3-3/16	3/4	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-3/4
042	A	169	30	23-15/16	3-1/4	7/8	23-1/2	6-1/2	10	15-1/4	16	11
018	B	103	22-1/2	21-15/16	3-3/16	5/8	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	9-3/4
024	B	115	22-1/2	23-15/16	3-3/16	5/8	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	10-3/4
030	B	125	22-1/2	27-15/16	3-3/16	3/4	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-1/2
036	B	152	22-1/2	29-15/16	3-3/16	3/4	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-3/4
042	B	175	30	23-15/16	3-1/4	7/8	23-1/2	6-1/2	10	15-1/4	16	11
048	A	177	30	27-15/16	3-1/4	7/8	23-1/2	6-1/2	10	14-1/2	16	16
060	A	215	30	39-15/16	3-1/4	7/8	23-1/2	6-1/2	10	14-1/2	16	17
036	C	125	22-1/2	25-15/16	3-3/16	3/4	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-1/4
042	C	133	22-1/2	29-15/16	3-1/4	7/8	18-1/2	4-1/16	8-3/16	12-1/8	12-1/4	11-3/4
048	B	172	30	27-15/16	3-1/4	7/8	23-1/2	6-1/2	10	14-1/2	16	16
060	B	199	30	39-15/16	3-1/4	7/8	23-1/2	6-1/2	10	14-1/2	16	17

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



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

METERING DEVICE CHART

UNIT SIZE	PISTON* IDENTIFICATION NO.
018-A, B	52
024-A, B	59
030-A, B	67
036-A, B, C	73
042-A, B, C	78
048-A	82
048-B	84
060-A	96
060-B	93

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

SPECIFICATIONS

UNIT SIZE	018	024	030
SERIES	A/B	A/B	A/B
ELECTRICAL			
Unit Volts—Hertz—Phase	208-230—60—1		
Operating Voltage Range*	197—253		
Compressor—Rated Load Amps	9.6	10.9	15.3
Locked Rotor Amps	49.0	61.0	75.0
Condenser Fan Motor—Full Load Amps	0.5	0.5	0.8
Min Unit Ampacity for Wire Sizing	12.5	14.1	19.9
Min Wire Size (60°/75° Copper) AWG**	14/14	14/14	14/14
Max Wire Length (60°/75°) (Ft)‡	69/66	54/51	42/40
Max Branch Circuit Fuse Size†	15	20	25
COMPRESSOR & REFRIGERANT			
Compressor—Manufacturer	Copeland/Tecumseh		
Type	Reciprocating		
Temperature and Current Protection	Internal Line Break		
Refrigerant—Type and Amount	R-22 3.88	R-22 4.38	R-22 4.82
Refrigerant Tubes In. OD Vapor and Liquid (up to 50 Ft)	5/8 and 3/8		3/4 and 3/8
CONDENSER COIL & FAN			
Coil Face Area (Sq Ft)	6.5	7.2	7.9
Fan Motor—HP, Type, and RPM	1/12 PSC and 1125		1/10 PSC and 1125
Volts—Hertz—Phase	208/230—60—1		
Condenser Airflow (Cfm)	1900	2100	
OPTIONAL EQUIPMENT			
Short Cycle Protector	KSACY0101AAA		
Start Assist—PTC Type	KAACS0201PTC		
Start Assist—Capacitor/Relay Type††	KSAHS0601AAA/KSAHS0301AAA		
Low-Pressure Switch	KAALP0101LPS		
High-Pressure Switch	KSAHI0101HPS		
Sound Hood	N/A		
Time-Delay Relay	KAATD0101TDR		
Low-Ambient Controller†	P251-0083 (RCD)		
Winter Start Control†	KAAWS0101AAA		
Evaporator Freeze Thermostat†	KAAFT0101AAA		
Crankcase Heater	KAACH1001AAA		
Liquid Line Solenoid Valve††	KAALS0101LLS		
Coastal Filter	KAACF0401SML		
TXV Kit (RPB)	KAATX0201RPB	KAATX0301RPB	KAATX0401RPB
TXV (Hard Shut-off)††	KAATX0901HSO	KAATX1001HSO	KAATX1101HSO
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPNAC01		
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPPAC01		
Thermostat, Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage Cool	HH07AT212		
Outdoor Sensor	TSTATBBSN01		

See notes on page 5.

SPECIFICATIONS Continued

UNIT SIZE	036		042	
SERIES	A/B	C	A/B	C
ELECTRICAL				
Unit Volts—Hertz—Phase	208-230—60—1			
Operating Voltage Range*	197—253			
Compressor—Rated Load Amps	16.1	16.7	19.0	20.5
Locked Rotor Amps	82.0	95.0	105.0	115.0
Condenser Fan Motor—Full Load Amps	1.4	1.4	1.4	1.4
Min Unit Ampacity for Wire Sizing	21.5	22.3	25.2	27.0
Min Wire Size (60°/75° Copper) AWG**	14/14	14/14	12/12	12/12
Max Wire Length (60°/75°) (Ft)‡	39/37	39/37	51/49	51/49
Max Branch Circuit Fuse Size†	30	30	40	40
COMPRESSOR & REFRIGERANT				
Compressor—Manufacturer	Copeland/Tecumseh	Millennium	Copeland/Tecumseh	Millennium
Type	Reciprocating	Scroll	Reciprocating	Scroll
Temperature and Current Protection	Internal Line Break			
Refrigerant—Type and Amount	R-22 5.38	R-22 4.32	R-22 5.81	R-22 5.50
Refrigerant Tubes In. OD Vapor and Liquid (up to 50 Ft)	3/4 and 3/8	3/4 and 3/8	7/8 and 3/8	7/8 and 3/8
CONDENSER COIL & FAN				
Coil Face Area (Sq Ft)	7.9	7.9	9.4	9.4
Fan Motor—HP, Type, and RPM	1/4 PSC and 1125			
Volts—Hertz—Phase	208/230—60—1			
Condenser Airflow (Cfm)	2600	2500	3300	2500
OPTIONAL EQUIPMENT				
Short Cycle Protector	KSACY0101AAA	Standard	KSACY0101AAA	Standard
Start Assist—PTC Type	KAACS0201PTC	KAAC60201PTC	KAACS0201PTC	KAACS0201PTC
Start Assist—Capacitor/Relay Type††	KSAHS0601AAA/ KSAHS0301AAA	KSAHS0401AAA	KSAHS0701AAA/ KSAHS0301AAA	KSAHS0401AAA
Low-Pressure Switch	KAALP0101LPS			
High-Pressure Switch	KSAHI0101HPS			
Sound Hood	N/A			
Time-Delay Relay	KAATD0101TDR			
Low-Ambient Controller†	P251-0083 (RCD)			
Winter Start Control†	KAAWS0101AAA			
Evaporator Freeze Thermostat†	KAAFT0101AAA			
Crankcase Heater	KAACH1001AAA	KAACH1201AAA	KAACH1001AAA	KAACH1201AAA
Liquid Line Solenoid Valve††	KAALS0101LLS			
Coastal Filter	KAACF0401SML		KAACF0501LRG	
TXV Kit (RPB)	KAATX0501RPB		KAATX0501RPB	
TXV (Hard Shut-off)††	KAATX1201HSO		KAATX1201HSO	
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPNAC01			
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPPAC01			
Thermostat, Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage Cool	HH07AT212			
Outdoor Sensor	TSTATBBSEN01			

See notes on page 5.

SPECIFICATIONS Continued

UNIT SIZE	048		060	
SERIES	A	B	A	B
ELECTRICAL				
Unit Volts—Hertz—Phase	208-230—60—1			
Operating Voltage Range*	197—253			
Compressor—Rated Load Amps	26.4	24.4	32.1	28.9
Locked Rotor Amps	129.0	140.0	169.0	165.0
Condenser Fan Motor—Full Load Amps	1.4	1.4	1.4	1.4
Min Unit Ampacity for Wire Sizing	34.4	31.9	41.5	37.5
Min Wire Size (60°/75° Copper) AWG**	8/10	8/10	8/8	8/8
Max Wire Length (60°/75°) (Ft)‡	100/61	100/61	83/79	83/79
Max Branch Circuit Fuse Size†	50	50	60	60
COMPRESSOR & REFRIGERANT				
Compressor—Manufacturer	Copeland	Millennium	Copeland	Millennium
Type	Scroll			
Temperature and Current Protection	Internal Line Break			
Refrigerant—Type and Amount	R-22 7.10	R-22 6.38	R-22 7.88	R-22 7.88
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	7/8 and 3/8
CONDENSER COIL & FAN				
Coil Face Area (Sq Ft)	12.8	12.8	19.3	19.9
Fan Motor—HP, Type, and RPM	1/4 PSC and 1125			
Volts—Hertz—Phase	208/230—60—1			
Condenser Airflow (Cfm)	3300			
OPTIONAL EQUIPMENT				
Short Cycle Protector	Standard			
Start Assist—PTC Type	KAACS0201PTC			
Start Assist—Capacitor/Relay Type††	KSAHS0401AAA			
Low-Pressure Switch	KAALP0101LPS			
High-Pressure Switch	KSAHI0101HPS			
Sound Hood	N/A			
Time-Delay Relay	KAATD0101TDR			
Low-Ambient Controller†	P251-0083 (RCD)			
Winter Start Control†	KAAWS0101AAA			
Evaporator Freeze Thermostat†	KAAFT0101AAA			
Crankcase Heater	KAACH1201AAA			
Liquid Line Solenoid Valve††	KAALS0101LLS			
Coastal Filter	KAACF0501LRG			
TXV Kit (RPB)	KAATX0601RPB	KAATX0601RPB	KAATX0701RPB	KAATX0701RPB
TXV (Hard Shut-off)††	KAATX1301HSO	KAATX1301HSO	KAATX1401HSO	KAATX1401HSO
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPNAC01			
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATPPPAC01			
Thermostat, Manual Changeover, Non-Programmable, °F, 1-Stage Heat, 1-Stage Cool	HH07AT212			
Outdoor Sensor	TSTATBBSEN01			

N/A—Not applicable in this application.

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

** If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70).

† The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-36.

† Time-delay fuse.

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

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

NOTE: Control circuit is 24v on all units and requires external power source.

All motors/compressors contain internal overload protection.

Copper wire must be used from service disconnect to unit.

RATINGS AND PERFORMANCE

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY†		SOUND RATING (BELS)
					TDR	TXV	
018-A,B	CC5A/CD5A/CD5BA018*	17,400	NONE	10.10	10.30	10.30	7.8
	CD3(A,B)A018	17,000	NONE	10.00	10.20	10.20	
	CC5A/CD5A/CD5BA024	17,600	NONE	10.00	10.50	10.50	
	CC5A/CD5A/CD5BW024	17,600	NONE	10.00	10.50	10.50	
	CD3(A,B)A024	17,600	NONE	10.00	10.50	10.50	
	CD3CA024	17,800	NONE	10.00	10.50	10.50	
	CE3AA024	17,800	NONE	10.00	10.50	10.50	
	CF5AA024	17,800	NONE	10.00	10.50	10.50	
	CG5AA024	17,800	TXV	10.00	—	—	
	F(A,B)4ANF018	16,800	TDR	10.00	—	—	
	F(A,B)4ANF024	17,600	TDR	10.50	—	—	
	FC4BNF024	17,600	TDR & TXV	10.50	—	—	
	FC4BNF033	18,000	TDR & TXV	11.00	—	—	
	FD3ANA018	17,100	NONE	10.00	10.20	10.20	
	FD3ANA024	17,600	NONE	10.00	10.50	10.50	
	FF1(A,B)NA018	17,200	TDR	10.50	—	10.50	
	FF1(A,B)NA024	17,600	TDR	10.50	—	10.50	
	FG3AAA024	17,500	NONE	10.00	10.20	10.20	
FK4BNF001	17,500	TDR & TXV	12.00	—	—		
FK4ANF002	17,500	TDR & TXV	12.00	—	—		
FK4BNF004	17,500	TDR & TXV	12.00	—	—		
024-A,B	CC5A/CD5A/CD5BA024*	22,200	NONE	10.00	10.30	10.30	8.0
	CC5A/CDBA/CD5BW024	22,200	NONE	10.00	10.30	10.30	
	CD3(A,B)A024	22,200	NONE	10.00	10.20	10.20	
	CC5A/CD5A/CD5BA030	22,600	NONE	10.00	10.20	10.20	
	CC5A/CD5A/CD5BW030	22,600	NONE	10.00	10.20	10.20	
	CD3(A,B)A030	22,600	NONE	10.00	10.50	10.50	
	CD3CA024	22,200	NONE	10.00	10.20	10.20	
	CD3CA030	22,200	NONE	10.00	10.20	10.20	
	CE3AA024	22,400	NONE	10.00	10.50	10.50	
	CE3AA030	22,600	NONE	10.00	10.50	10.50	
	CF5AA024	22,200	NONE	10.00	10.20	10.20	
	CG5AA024	22,200	TXV	10.00	10.20	—	
	F(A,B)4ANF024	22,200	TDR	10.00	—	—	
	F(A,B)4ANF030	22,400	TDR	10.50	—	—	
	FC4BNF024	22,200	TDR & TXV	10.00	—	—	
	FC4BNF033	22,600	TDR & TXV	10.50	—	—	
	FC4BNF030	22,400	TDR & TXV	10.50	—	—	
	FD3ANA024	21,600	NONE	10.00	10.20	10.20	
FD3ANA030	22,400	NONE	10.00	10.50	10.50		
FF1(A,B)NA024	22,200	TDR	10.50	—	—		
FF1(A,B)NA030	22,400	TDR	10.50	—	—		
FG3AAA024	21,400	NONE	10.00	10.20	10.20		
FK4BNF001	23,000	TDR & TXV	11.50	—	—		
FK4ANF002	23,000	TDR & TXV	11.50	—	—		
FK4BNF004	23,600	TDR & TXV	11.50	—	—		
FK4BNF003	23,600	TDR & TXV	11.50	—	—		
030-A,B	CC5A/CD5A/CD5BA030*	28,200	NONE	10.10	10.20	10.20	8.0
	CC5A/CD5A/CD5BW030	28,000	NONE	10.00	10.10	10.10	
	CD3(A,B)A030	28,000	NONE	10.00	10.10	10.10	
	CC5A/CD5A/CD5BA036	29,000	NONE	10.00	10.10	10.10	
	CD5A/CD5BW036	29,000	NONE	10.00	10.10	10.10	
	CD3CA030	27,400	NONE	10.00	10.10	10.10	
	CD3CA036	28,000	NONE	10.00	10.10	10.10	
	CD3(A,B)A036	29,000	NONE	10.00	10.50	10.50	
	CE3AA030	27,800	NONE	10.00	10.50	10.50	
	CE3AA036	28,600	NONE	10.00	10.50	10.50	
	CF5AA036	28,800	NONE	10.00	10.10	10.10	
	CG5AA036	28,800	TXV	10.00	10.10	—	
	F(A,B)4ANF030	27,600	TDR	10.00	—	—	
	F(A,B)4ANF036	28,200	TDR	10.20	—	—	
	FC4BNF030	27,600	TDR & TXV	10.00	—	—	
	FC4BNF036	28,200	TDR & TXV	10.20	—	—	
	FC4BNF033	28,600	TDR & TXV	10.50	—	—	
	FD3ANA030	27,800	NONE	10.00	10.20	10.20	
FF1(A,B)NA030	28,000	TDR	10.20	—	10.20		
FG3AAA036	28,000	NONE	10.00	10.20	10.20		
FK4BNF001	29,000	TDR & TXV	10.50	—	—		
FK4BNF002	28,200	TDR & TXV	10.50	—	—		
FK4BNF003	29,000	TDR & TXV	11.00	—	—		
FK4BNF004	29,000	TDR & TXV	11.00	—	—		
036-A,B,C	CC5A/CD5A/CD5BA036*	33,800	NONE	10.00	10.30	10.30	8.2
	CD5A/CD5BW036	33,800	NONE	10.00	10.30	10.30	
	CD3(A,B)A036	33,800	NONE	10.00	10.30	10.30	
	CC5A/CD5A/CD5BA042	33,800	NONE	10.00	10.30	10.30	
	CD3(A,B)A042	33,800	NONE	10.00	10.30	10.30	
	CC5A/CD5A/CD5BW042	33,400	NONE	10.00	10.20	10.20	
	CD3CA036	32,400	NONE	—	10.00	10.00	
	CD3CA042	32,400	NONE	—	10.00	10.00	
	CE3AA036	33,400	NONE	10.00	10.20	10.20	
	CE3AA042	33,600	NONE	10.00	10.30	10.30	
	CF5AA036	33,600	NONE	10.00	10.20	10.20	
	CG5AA036	33,600	TXV	10.10	10.20	—	
	F(A,B)4ANF036	33,200	TDR	10.00	—	—	
	F(A,B)4AN(F,B)042	33,800	TDR	10.20	—	—	
FC4BNF036	33,000	TDR & TXV	10.00	—	—		
FC4BNF033	33,400	TDR & TXV	10.20	—	—		

See notes on page 7.

RATINGS AND PERFORMANCE Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY†		SOUND RATING (BELS)
					TDR	TXV	
036-A,B,C	FC4BN(F,B)042	33,800	TDR & TXV	10.20	—	—	8.2
	FC4BNF038	35,000	TDR & TXV	10.50	—	—	
	FC4BNB054	35,600	TDR & TXV	10.50	—	—	
	FG3AAA036	33,000	NONE	10.00	10.20	10.20	
	FK4BNF001	33,000	TDR & TXV	10.50	—	—	
	FK4BNF002	33,000	TDR & TXV	10.50	—	—	
	FK4BNF003	34,000	TDR & TXV	10.50	—	—	
	FK4BNF004	34,400	TDR & TXV	11.00	—	—	
	FK4BNB005	35,000	TDR & TXV	11.00	—	—	
	FK4BNB006	35,000	TDR & TXV	11.00	—	—	
042-A,B,C	CC5A/CD5A/CD5BA042*	40,000	NONE	10.00	10.30	10.30	8.2
	CD3(A,B)A042	40,000	NONE	10.00	10.30	10.30	
	CC5A/CD5A/CD5BW042	40,000	NONE	10.00	10.30	10.30	
	CD5A/CD5BA048	40,500	NONE	10.00	10.30	10.30	
	CD3(A,B)A048	40,500	NONE	10.00	10.30	10.30	
	CC5A/CD5A/CD5BC048	40,000	NONE	—	10.00	10.00	
	CC5A/CD5A/CD5BW048	40,500	NONE	10.00	10.30	10.30	
	CD3CA042	38,500	NONE	—	10.00	10.00	
	CD3CA048	39,000	NONE	—	10.00	10.00	
	CE3AA042	40,000	NONE	10.00	10.30	10.30	
	CE3AA048	40,500	NONE	10.00	10.50	10.50	
	CF5AA048	40,500	NONE	10.00	10.30	10.30	
	CG5AA048	40,500	TXV	10.00	10.30	—	
	F(A,B)4AN(F,B)042	40,000	TDR	10.00	—	—	
	F(A,B)4AN(F,B)048	41,000	TDR	10.50	—	—	
	FC4BN(F,B)042	40,000	TDR & TXV	10.00	—	—	
	FC4BNF038	40,500	TDR & TXV	10.50	—	—	
	FC4BNB054	41,500	TDR & TXV	10.50	—	—	
	FC4BN(F,B)048	41,000	TDR & TXV	10.30	—	—	
	FG3AAA048	40,000	NONE	10.00	10.20	10.20	
FK4BNF003	40,000	TDR & TXV	11.00	—	—		
FK4ANF005	41,000	TDR & TXV	11.00	—	—		
FK4BNF006	42,000	TDR & TXV	11.50	—	—		
048-A,B	CD5A/CD5BA048*	46,000	NONE	10.00	10.40	10.40	8.2
	CD3(A,B)A048	46,000	NONE	10.00	10.40	10.40	
	CC5A/CD5A/CD5BC048	45,500	NONE	10.00	10.40	10.40	
	CC5A/CD5A/CD5BW048	46,000	NONE	10.00	10.40	10.40	
	CC5A/CD5A/CD5BA060	46,500	NONE	10.20	10.50	10.50	
	CD3(A,B)A060	46,500	NONE	10.20	10.50	10.50	
	CC5A/CD5A/CD5BW060	47,500	NONE	10.20	10.50	10.50	
	CD3CA048	45,000	NONE	10.00	10.20	10.20	
	CD3CA060	46,000	NONE	10.20	10.50	10.50	
	CE3AA048	46,500	NONE	10.20	10.50	10.50	
	CE3AA060	47,500	NONE	10.20	10.50	10.50	
	CF5AA048	46,500	NONE	10.20	10.50	10.50	
	CG5AA048	46,500	TXV	10.40	—	—	
	F(A,B)4AN(F,B)048	47,000	TDR	10.40	—	—	
	F(A,B)4AN(F,B)060	47,500	TDR	10.50	—	—	
	FB4ANB070	48,000	TDR	10.50	—	—	
	FC4BN(F,B)048	47,000	TDR & TXV	10.40	—	—	
	FC4BNB070	48,000	TDR & TXV	10.50	—	—	
	FC4BN(F,B)060	47,500	TDR & TXV	10.50	—	—	
	FC4BNB054	47,000	TDR & TXV	10.50	—	—	
FG3AAA048	45,000	NONE	10.00	10.40	10.40		
FG3AAA060	47,000	NONE	10.20	10.50	10.50		
FK4ANF006	48,000	TDR & TXV	11.00	—	—		
060-A,B	CC5A/CD5A/CD5BA060*	56,500	NONE	10.00	10.50	10.50	8.2
	CD3(A,B)A060	56,500	NONE	10.00	10.50	10.50	
	CC5A/CD5A/CD5BW060	57,000	NONE	10.20	10.70	10.70	
	CD3CA060	56,000	NONE	10.00	10.50	10.50	
	CE3AA060	57,000	NONE	10.20	10.70	10.70	
	F(A,B)4AN(F,B)060	57,500	TDR	10.50	—	—	
	FB4ANB070	58,000	TDR	10.50	—	—	
	FC4BNB070	58,000	TDR & TXV	10.50	—	—	
	FC4BN(F,B)060	57,500	TDR & TXV	10.50	—	—	
	FC4BNB054	58,000	TDR & TXV	10.50	—	—	
FG3AAA060	57,000	NONE	10.20	10.50	10.50		
FK4ANF006	58,000	TDR & TXV	11.00	—	—		

* Tested Combination

† See TDR.90 TABLE. A 90-sec. time delay function can be met by use of external devices, or the time delay feature incorporated into specific furnaces, heaters and thermostats.

- NOTES:**
1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
 2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
 3. Determine actual cfm values obtainable for your system by referring to fan performance data in fan-coil or furnace-coil literature.
 4. Minimum outdoor operating ambient in cooling mode is 55°F (12.8°C), maximum 115°F (46.1°C).

NOTE: The dashes (—) appearing in the SEER WITH ACCESSORY TDR column indicate no improvement in efficiency due to time-delay function built into unit as manufactured (see table).

TDR.90 TABLE

METHOD	PART/MODEL NO.
Indoor Fan Time-Delay Relay	KAATD0101TDR
Furnaces	58SX, 58DX, 58SXA, 58SXB, 58DXA, 58DXC, 58SSC, 58DHC, 58WAV, 58ZAV, 58PAV, 58PAP, 58RAP, 58RAV, 58EJA
Fan Coils	FB4, FB5, FK4, FC4, FA1, FA4

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.

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 36 in. of refrigerant tube should be buried in the ground. If necessary to bury tubes under a sidewalk, provide a minimum 6-in. vertical rise to the valve connections at the unit.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE
WITH INSTALLATION INSTRUCTIONS

Cancels: SS-AA1B-01