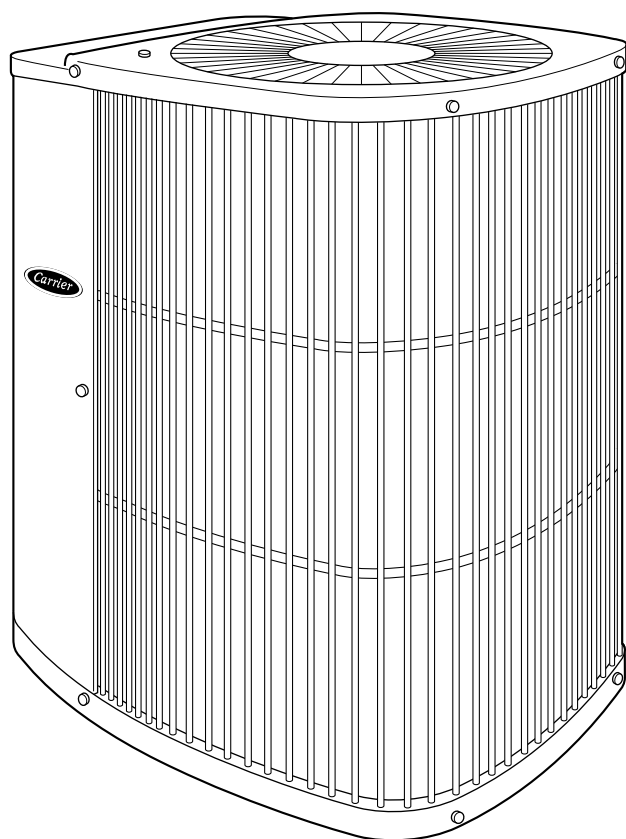




Product Data

38TKB (60 Hz) Air Conditioner

Sizes 018 thru 060



Model 38TKB Energy-Efficient Air Conditioner incorporates 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 at least 10.0 when used with components as designated by manufacturer. All models are listed with UL, CSA, ARI and CEC.

FEATURES/BENEFITS

Electrical Range — All units are offered in 208–230-v single phase.

Wide Range of Sizes — Available in 8 nominal sizes from 018 through 060 to meet the needs for residential and light commercial applications.

Weather-Armor II 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 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. New heat pump style drain pan for easy removal of water, dirt,

and leaves. Coil can be cleaned with a common garden hose.

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

External Service Valves — Both service valves are brass type with copper sweat connections. Valves are

externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

Easy Serviceability — One access panel provides access to electrical control box and compressor. Removal of top allows access to fan motor and coil.

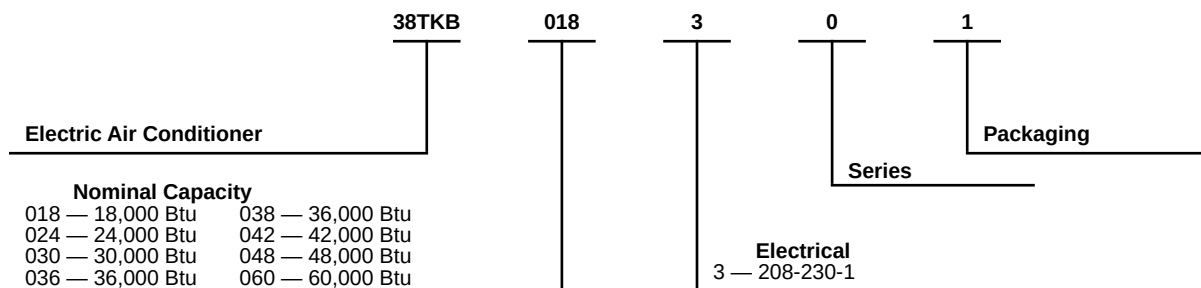
Compressor Usage — Various compressors have been utilized on this product. Refer to the Physical data chart for compressor manufacturer and type.

Continuous operation is approved from 55°F (12.8°C) to 125°F (37.0°C) in the cooling mode. See cooling performance tables.



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

Model number nomenclature



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

Physical data

UNIT SIZE	018-30/31	024-30/31	030-30/31	036-30/31	036-32	038-30	042-30/31	048-30/31	060-30/31
OPERATING WEIGHT	138/143	140/153	158/163	159/168	164	230	230/237	239/241	255/258
REFRIGERANT Control	22 AccuRater® (Bypass Type)								
CHARGE (lb) @ 15 ft	3.69	4.01	4.88	5.01	5.01	6.00	6.06/6.13	7.01/6.81	9.38/10.31
COND FAN Air Discharge Air Qty (cfm)	1600		1900			3000			2900
COND COIL Face Area (sq ft)	7.2		10.8			15.0			
VALVE CON (in. ID) Vapor Liquid	5/8		3/4			7/8			
			3/8						
REFRIG TUBES* (in. OD) Vapor Liquid†	5/8		3/4			7/8			1-1/8
			3/8						
COMPRESSOR MFR.	Copeland Recip/ Tecumseh Recip				Millennium Scroll	Copeland Recip	Copeland Recip/ Millennium Scroll	Copeland Scroll/ Millennium Scroll	

NOTE: See unit Installation Instructions for proper installation.

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

† 3/8-in. liquid tube must be used on capillary type coils.

Accessories

ORDERING NUMBER	DESCRIPTION
KAATD0101TDR	Time-Delay Relay — All sizes
P251-0083 (RCD)	Low-Ambient Controller
KAAWS0101AAA	Winter Start Control† — Sizes 018–060
KAAFT0101AAA	Evaporator Freeze Thermostat† — Sizes 018–060
Standard	Cycle Protector — Sizes 036 (32); 042–060 (31)
KSACY0101AAA	Cycle Protector — Sizes 018–060 (30); 018–036 (31)
KAACS0201PTC	Start Assist-PTC (12.5 Ohms) 018–060 (30) 018–036 (31)
Standard	Start Assist-PTC — Sizes 036 (32); 042–060 (31)
KSAHS0301AAA	Start Assist-Cap/Relay — Sizes 018-31, 024-31, 030-31 & 036-31
KSAHS0601AAA	Start Assist-Cap/Relay — Sizes 018-30, 024-30, 030-30 & 036-30
KSAHS0701AAA	Start Assist-Cap/Relay — Sizes 038-30, 042-30
N/A	Start Assist-Cap/Relay — Sizes 036 (32); 042-060 (31)
KAACH1001AAA	Crankcase Heater — Sizes 018-30, 31, 024-30, 31, 030-30, 31 & 036-30, -50, 31-51
KAACH01101AAA	Crankcase Heater — Size 036-60, -61
KAACH1201AAA	Crankcase Heater — Size 048, 060-30, -50, 036-32, 042-060-31
KAACH1301AAA	Crankcase Heater — Size 048, 060-60
KSASH0601COP	Sound Hood — Sizes 036-32; 042-31
KSASH1901TEC	Sound Hood — Sizes 030-31, 036-31, -51, -61
KSASH1301TEC	Sound Hood — Sizes 018-31 & 024-31
KSASH1101COP	Sound Hood — Sizes 018-30 & 024-30
KSASH1201COP	Sound Hood — Sizes 030-30, 036-30, -50, -60, 038-30 & 042-30
KSASH1701COP	Sound Hood — Sizes 048 & 060 (30, 31)
KAATX0201RPB	TXV Kit (RPB) — Size 018
KAATX0301RPB	TXV Kit (RPB) — Size 024
KAATX0401RPB	TXV Kit (RPB) — Size 030
KAATX0501RPB	TXV Kit (RPB) — Sizes 036–042
KAATX0601RPB	TXV Kit (RPB) — Size 048
KAATX0701RPB	TXV Kit (RPB) — Size 060
KAATX0901HSO	TXV Kit (Hard Shut-off) — Size 018
KAATX1001HSO	TXV Kit (Hard Shut-off) — Size 024
KAATX1101HSO	TXV Kit (Hard Shut-off) — Size 030
KAATX1201HSO	TXV Kit (Hard Shut-off) — Sizes 036–042
KAATX1301HSO	TXV Kit (Hard Shut-off) — Size 048
KAATX1401HSO	TXV Kit (Hard Shut-off) — Size 060
KAALP0101LPS	Low Pressure Switch — Sizes 018–060 (30); 018–036 (31)
Standard	Low Pressure Switch — Sizes 036 (32); 042-060 (31)
KSAHI0101HPS	High Pressure Switch — Sizes 018–060 (30); 018–036 (31)
Standard	High Pressure Switch — Sizes 036 (32); 042–060 (31)
P502-8083S	Filter Drier — Sizes 018–036
P502-8163S	Filter Drier — Sizes 042–060
KAALS0101LLS	Liquid Solenoid Valve — All Sizes
KSASF0101AAA	Support Feet Kit — Sizes 018–060
KAAHG0106MPK	Hail Guard Sizes — Sizes 018–024
KAAHG0206MPK	Hail Guard Sizes — Sizes 030–060
KAACF0101SML	Coastal Filter — Sizes 018–036
KAACF0201MED	Coastal Filter — Sizes 038–060

THERMOSTAT/SUBBASE PKG.	DESCRIPTION
HH07AT174	Honeywell — Automatic Changeover; 1-Stage Heat/1-Stage Cool — °F — All Sizes
HH07AT184	Honeywell — Manual Changeover with Subbase; 1-Stage Heat/1-Stage Cool — °F — All Sizes
HH93AZ176	Subbase for Auto Thermostat — All Sizes
HH07AT164	Honeywell — Automatic Changeover; 1-Stage Heat/1-Stage Cool — °C
HH07AT191	Honeywell — Manual Changeover With Subbase; 1-Stage Heat/1-Stage Cool — °C

Accessory Description and Usage

1. 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)

2. 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 which have low-pressure switch and low-ambient controller has been added.

3. 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 controller has been added.

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. 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.

Replacement installations with rapid pressure balance (RPB) expansion valve on indoor coil.

Replacement installations with undersized interconnecting refrigerant tubes.

6. 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.

7. 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. Not required in scroll compressor applications.

SUGGESTED USE: When interconnecting tube length exceeds 50 ft.

When unit will be operated below 55°F (12.8°C) outdoor air temperature. (Use with low-ambient controller.)

All commercial installations.

8. Sound Blanket/Shield/Hood

Wrap-around sound attenuation cover for the compressor. Reduces the sound level by about 0.2 bels.

SUGGESTED USE: Unit installed closer than 15 ft to quiet areas — bedrooms, etc.

Unit installed between 2 houses less than 10 ft apart.

9. 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.)

10. 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 air flow. Also, provides additional protection against compressor damage due to loss of refrigerant charge. To prevent rapid compressor recycling, cycle protector (Item 4) can be used with this switch.

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

All commercial installations.

11. 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 425 psig. Provides additional protection against compressor damage due to loss of outdoor airflow. To prevent rapid compressor recycling, 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).

12. Filter Drier

A device for removing contaminants from refrigerant circulating in an air conditioner; 1-direction flow for air conditioners.

SUGGESTED USE: All field-connected split system air conditioners.

13. 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 6) must also be used, if the system contains a reciprocating compressor.

SUGGESTED USE: For improved system performance in air conditioners for certain combinations of indoor and outdoor units (Refer to ARI Unitary Directory).

In certain long line-applications. (Refer to Long-Line Application Guideline.)

14. Support Feet

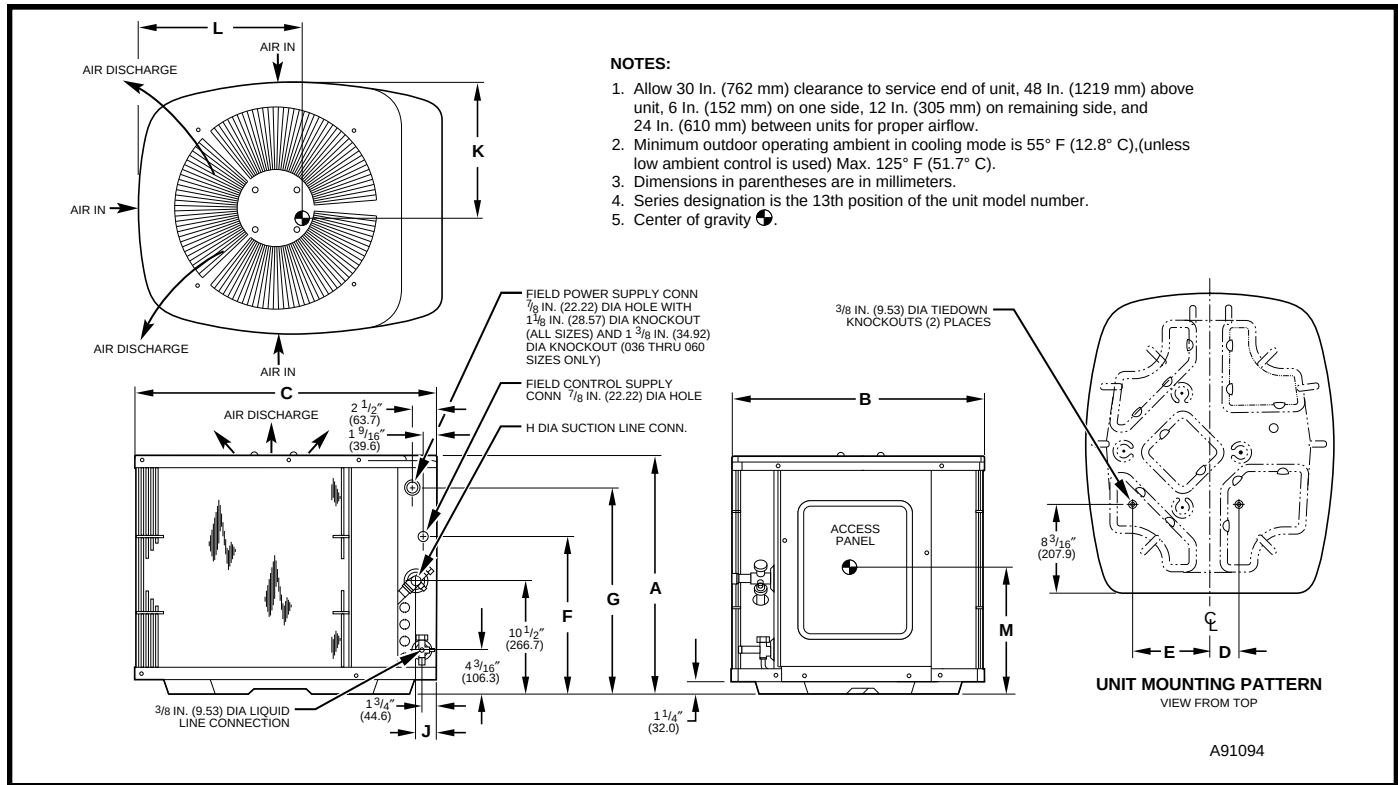
Four stick-on plastic feet which raise the unit 4 in. above the mounting pad. This allows sand, dirt and other debris to be flushed from the unit base; minimizes corrosion.

SUGGESTED USE: Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

Dimensions



UNIT SIZE	SERIES	A	B	C	D	E	F
		In.	In.	In.	In.	In.	In.
018	0	21-7/8	22-1/2	27-1/2	2-13/16	6-15/16	13-3/8
024	0	21-7/8	22-1/2	27-1/2	2-13/16	6-15/16	13-3/8
030	0	31-7/8	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2
036	0	31-7/8	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2
038	0	31-7/8	30	34-15/16	4	9-3/4	21-1/2
042	0, 1	31-7/8	30	34-15/16	4	9-3/4	21-1/2
048	0, 1	31-7/8	30	34-15/16	4	9-3/4	21-1/2
060	0	31-7/8	30	34-15/16	4	9-3/4	21-1/2
018	1	21-7/8	22-1/2	27-1/2	2-13/16	6-15/16	13-3/8
024	1	21-7/8	22-1/2	27-1/2	2-13/16	6-15/16	13-3/8
030	1	31-7/8	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2
036	1, 2	31-7/8	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2
060	1	37-7/8	30	34-15/16	4	9-3/4	21-1/2

UNIT SIZE	SERIES	G	H	J	K	L	M
		In.	In.	In.	In.	In.	In.
018	0	17-7/8	5/8	2-3/8	12-3/16	14-1/2	10-3/8
024	0	17-7/8	5/8	2-3/8	12-3/16	14-1/2	10-3/8
030	0	27-7/8	3/4	2-3/8	12-3/16	14-3/4	11-13/16
036	0	27-7/8	3/4	2-3/8	12-3/16	14-3/4	11-13/16
038	0	27-7/8	7/8	2-15/16	15-3/4	19	12-13/16
042	0, 1	27-7/8	7/8	2-15/16	15-3/4	19	12-13/16
048	0, 1	27-7/8	7/8	2-15/16	13-1/2	20-7/16	14-1/16
060	0	27-7/8	7/8	2-15/16	15-3/4	19-15/16	14-1/16
018	1	17-7/8	5/8	2-3/8	12	15-1/8	10-3/8
024	1	17-7/8	5/8	2-3/8	12	15-1/8	10-3/8
030	1	27-7/8	3/4	2-3/8	12-9/16	14	12-5/16
036	1, 2	27-7/8	3/4	2-3/8	12-9/16	14	12-5/16
060	1	27-7/8	7/8	2-15/16	15-3/4	19-15/16	14-1/16

Electrical data

UNIT SIZE	V/PH	OPER VOLTS*		COMPR		FAN FLA	MCA	60° MIN WIRE SIZE**	75° MIN WIRE SIZE**	60° MAX LENGTH (Ft)‡	75° MAX LENGTH (Ft)‡	MAX FUSE† OR HACR TYPE CKT BKR AMPS
		Max	Min	LRA	RLA							
018-30, 31	208-230 1Ø	253	197	49.0	8.6	0.5	11.3	14	14	99	94	15
024-30, 31				61.0	11.2	0.5	14.5	14	14	72	68	20
030-30, 31				75.0	13.7	0.8	17.9	14	14	56	75	25
036-30, 31				86.0	15.3	0.8	19.9	14/12	14/12	49/77	47/75	30
036-32				105.0	17.9	0.8	23.2	12	12	63	60	35
038-30				105.0	17.0	1.4	22.8	12	12	66	63	35
042-30				105.0	17.3	1.4	23.5	12	12	63	60	35
042-31				115.00	19.9	1.4	26.3	10	10	87	83	40
048-30				129.0	23.7	1.4	31.0	8	10	115	70	45
048-31				140.0	24.4	1.4	31.9	8	10	111	68	50
060-30				169.0	28.8	1.4	37.4	8	8	91	87	50
060-31				165.0	28.8	1.4	37.4	8	8	91	87	50

FLA — Full Load Amps

HACR — Heating, Air Conditioning, Refrigeration

LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps

RLA — Rated Load Amps

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

The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-26.

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

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

Copper wire must be used from service disconnect to unit.

All motors/compressors contain internal overload protection.

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

† Time-delay fuse.

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

ACCURATER® CHART

CONDENSING UNIT SIZE	PISTON* IDENTIFICATION NO.
018-30, 31	52
024-30, 31	59
030-30, 31	70
036-30, 31	73
036-32	76
038-30	78
042-30	82
042-31	78
048-30, 31	82
060-30	101
060-31	98

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

Performance data

OUTDOOR MODEL	INDOOR SECTION	INDOOR AIR CFM	TOT CAP BTUH	SEASONAL EFFICIENCY				SOUND RATING (BELS)	SOUND RATING W/ACCESSORY SOUND BLANKET (BELS)
				Factory- Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory**			
						TDR	TXV		
018-30,31	*CC5A/CD5AA018	550	17,200	NONE	10.00	10.20	10.20	7.6	7.6
	CC5A/CD5AA024	550	17,600	NONE	10.00	10.50	10.50	7.6	7.6
	CA5A/CB5AA018	550	17,000	NONE	10.00	10.20	10.20	7.6	7.6
	CA5A/CB5AA024	550	17,300	NONE	10.00	10.50	10.50	7.6	7.6
	CD3AA018	600	17,000	NONE	10.00	10.20	10.20	7.6	7.6
	CD3AA024	550	17,600	NONE	10.00	10.50	10.50	7.6	7.6
	CE3AA024	550	17,800	NONE	10.00	10.50	10.50	7.6	7.6
	CF5AA024	550	17,800	NONE	10.00	10.50	10.50	7.6	7.6
	FB(5,4)AN(A,F)018	550	16,800	TDR	10.00	—	10.00	7.6	7.6
	FB(5,4)AN(A,F)024	550	17,600	TDR	10.50	—	10.50	7.6	7.6
	FD3ANA018	550	17,100	NONE	—	10.00	10.00	7.6	7.6
	FD3ANA024	550	17,600	NONE	10.00	10.50	10.50	7.6	7.6
	FF1ANA018	550	17,000	TDR	10.00	—	10.50	7.6	7.6
	FF1ANA024	550	17,600	TDR	10.00	—	10.50	7.6	7.6
	FG3AAA024	550	17,500	NONE	10.00	10.20	10.20	7.6	7.6
	FK4ANF002	550	18,000	TDR & TXV	12.00	—	—	7.6	7.6
	FC4ANF018	600	17,800	TDR & TXV	11.00	—	—	7.6	7.6
	FC4ANF024	600	18,000	TDR & TXV	11.00	—	—	7.6	7.6
	FK4BNF001	550	18,000	TDR & TXV	12.00	—	—	7.6	7.6
	FK4BNF002	550	18,000	TDR & TXV	12.00	—	—	7.6	7.6
	FK4BNF004	550	18,000	TDR & TXV	12.50	—	—	7.6	7.6
024-30,31	*CC5A/CD5AA024	800	22,400	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AA030	800	22,400	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AW030	800	22,400	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA024	800	22,000	NONE	10.00	10.20	10.20	8.0	7.6
	CB5AA030	800	22,000	NONE	10.00	10.50	10.50	8.0	7.6
	CA5A/CB5AW030	800	22,000	NONE	10.00	10.50	10.50	8.0	7.6
	CD3AA024	800	22,200	NONE	10.00	10.20	10.20	8.0	7.6
	CD3AA030	800	22,400	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA024	800	22,400	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA030	800	22,600	NONE	10.00	10.50	10.50	8.0	7.6
	CF5AA024	800	22,200	NONE	10.00	10.20	10.20	8.0	7.6
	FB(5,4)AN(A,F)024	800	22,200	TDR	10.00	—	10.00	8.0	7.6
	FB5AN(A,F)030	850	22,200	TDR	10.00	—	10.00	8.0	7.6
	FB4A(A,F)030	850	23,000	TRR	10.20	—	10.20	8.0	7.6
	FD3ANA024	800	21,600	NONE	—	10.00	10.00	8.0	7.6
	FD3ANA030	800	22,400	NONE	—	10.00	10.00	8.0	7.6
	FF1ANA024	800	22,200	TDR	10.00	—	10.00	8.0	7.6
	FF1ANA030	800	22,400	TDR	10.00	—	10.00	8.0	7.6
	FG3ANA024	800	21,400	NONE	—	10.00	10.00	8.0	7.6
	FK4ANF002	800	22,800	TDR & TXV	11.50	—	—	8.0	7.6
	FC4ANF024	800	22,800	TDR & TXV	10.50	—	—	8.0	7.6
	FC4ANF030	800	23,200	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF001	800	23,600	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF002	800	23,800	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF003	800	23,600	TDR & TXV	11.50	—	—	8.0	7.6
	FK4BNF004	800	23,800	TDR & TXV	11.50	—	—	8.0	7.6
030-30,31	*CC5A/CD5AA030	900	28,000	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AW030	900	27,800	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AA036	900	29,000	NONE	10.00	10.50	10.50	8.0	7.6
	CD5AW036	900	29,000	NONE	10.00	10.50	10.50	8.0	7.6
	CB5AA030	900	27,600	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AW030	900	27,600	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA036	900	28,800	NONE	10.00	10.50	10.50	8.0	7.6
	CB5AW036	900	28,800	NONE	10.00	10.50	10.50	8.0	7.6
	CD3AA030	900	27,800	NONE	10.00	10.20	10.20	8.0	7.6
	CD3AA036	900	29,000	NONE	10.00	10.50	10.50	8.0	7.6
	CE3AA030	900	27,800	NONE	10.00	10.30	10.30	8.0	7.6
	CE3AA036	900	28,600	NONE	10.00	10.50	10.50	8.0	7.6
	CF5AA036	900	28,800	NONE	10.00	10.50	10.50	8.0	7.6
	FB5AN(A,F)030	1000	27,600	TDR	10.00	—	10.00	8.0	7.6
	FB4AN(A,F)030	1000	28,400	TDR	10.30	—	10.30	8.0	7.6
	FB(5,4)AN(A,F)036	900	28,200	TDR	10.00	—	10.00	8.0	7.6
	FD3ANA030	900	27,800	NONE	—	10.00	10.00	8.0	7.6
	FF1ANA030	900	28,000	TDR	10.00	—	10.00	8.0	7.6
	FG3AAA036	900	28,000	NONE	10.00	—	10.50	8.0	7.6
	FK4ANF002	900	28,200	TDR & TXV	11.00	—	—	8.0	7.6
	FC4ANF030	1000	29,000	TDR & TXV	10.50	—	—	8.0	7.6
	FC4ANF036	1000	29,200	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF001	900	29,400	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF002	900	29,600	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF003	900	29,800	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF004	900	29,800	TDR & TXV	11.00	—	—	8.0	7.6

See notes on pg. 12.

Performance data continued

OUTDOOR MODEL	INDOOR SECTION	INDOOR AIR CFM	TOT CAP BTUH	SEASONAL EFFICIENCY				SOUND RATING (BELS)	SOUND RATING W/ACCESSORY SOUND BLANKET (BELS)
				Factory- Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory**			
						TDR	TXV		
036-30,31	*CC5A/CD5AA036	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CD5AW036	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AA042	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AW042	1200	33,000	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AA043	1200	33,200	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5AW043	1200	33,200	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA036	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CB5AW036	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA042	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AW042	1200	33,000	NONE	10.00	10.20	10.20	8.0	7.6
	CD3AA036	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CD3AA042	1200	33,400	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA036	1200	33,000	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA042	1200	33,200	NONE	10.00	10.20	10.20	8.0	7.6
	CF5AA036	1200	33,200	NONE	10.00	10.20	10.20	8.0	7.6
	FB(5,4)AN(A,F)036	1100	32,400	TDR	10.00	—	10.00	8.0	7.6
	FB5AN(A,F)042	1200	33,400	TDR	10.00	—	10.00	8.0	7.6
	FB4AN(A,M,F)042	1200	33,400	TDR	10.00	—	10.00	8.0	7.6
	FG3AA036	1200	32,200	NONE	—	10.00	10.00	8.0	7.6
	FK4ANF003	1200	33,000	TDR & TXV	11.00	—	—	8.0	7.6
	FC4ANF036	1200	33,200	TDR & TXV	10.10	—	—	8.0	7.6
	FC4ANF042	1200	33,800	TDR & TXV	10.30	—	—	8.0	7.6
	FK4BNF001	1200	32,800	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF002	1200	32,800	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF003	1200	33,400	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF004	1200	33,400	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNB005	1200	35,000	TDR & TXV	11.50	—	—	8.0	7.6
	FK4BNB006	1200	35,000	TDR & TXV	11.50	—	—	8.0	7.6
036-32	*CC5A/CD5A/CD5BA036	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA036	1200	34,800	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AA042	1200	34,200	NONE	10.00	10.20	10.20	8.0	7.6
	CB5AW036	1200	34,800	NONE	10.00	10.20	10.20	8.0	7.6
	CA5A/CB5AW042	1200	34,000	NONE	10.00	10.20	10.20	8.0	7.6
	CD5A/CD5BW036	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CD3(A,B)A036	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5A/CD5BA042	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CD3(A,B)A042	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5A/CD5BW042	1200	34,400	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5A/CD5BA043	1200	34,600	NONE	10.00	10.20	10.20	8.0	7.6
	CC5A/CD5A/CD5BW043	1200	34,400	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA036	1200	34,200	NONE	10.00	10.20	10.20	8.0	7.6
	CE3AA042	1200	34,800	NONE	10.00	10.20	10.20	8.0	7.6
	CF5AA036	1200	34,400	NONE	10.00	10.20	10.20	8.0	7.6
	FB(5,4)AN(A,F)036	1200	34,200	TDR	10.00	—	10.00	8.0	7.6
	F(A,B)4ANF036	1282	34,200	TDR	10.00	—	10.00	8.0	7.6
	FB4AN(A,M,F)042	1200	34,800	TDR	10.00	—	10.00	8.0	7.6
	FB5AN(A,F)042	1200	34,800	TDR	10.00	—	10.00	8.0	7.6
	F(A,B)4AN(A,F)042	1200	34,800	TDR	10.00	—	10.00	8.0	7.6
	FC4BNF036	1200	34,000	TDR & TXV	10.00	—	—	8.0	7.6
	FC4BNF033	1200	34,600	TDR & TXV	10.00	—	—	8.0	7.6
	FC4BN(F,B)042	1200	34,600	TDR & TXV	10.00	—	—	8.0	7.6
	FC4BNF038	1200	35,400	TDR & TXV	10.50	—	—	8.0	7.6
	FC4BNB054	1200	35,800	TDR & TXV	11.00	—	—	8.0	7.6
	FG3AAA036	1200	34,000	NONE	—	10.00	10.00	8.0	7.6
	FK4BNF001	1190	34,200	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF002	1190	34,000	TDR & TXV	10.50	—	—	8.0	7.6
	FK4BNF003	1075	34,800	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF004	1095	34,600	TDR & TXV	11.00	—	—	8.0	7.6
	FK4BNF005	1150	35,600	TDR & TXV	11.50	—	—	8.0	7.6
	FK4ANF003	1195	34,400	TDR & TXV	10.50	—	—	8.0	7.6
	FK4ANF004	1200	35,200	TDR & TXV	11.00	—	—	8.0	7.6
038-30	*CC5A/CD5AA042	1350	35,600	NONE	10.10	10.50	10.50	8.0	8.0
	CC5A/CD5AA036	1200	35,400	NONE	10.10	10.50	10.50	8.0	8.0
	CD5AW036	1200	35,400	NONE	10.10	10.50	10.50	8.0	8.0
	CC5A/CD5AW042	1350	35,400	NONE	10.00	10.30	10.30	8.0	8.0
	CC5A/CD5AA043	1350	35,600	NONE	10.10	10.50	10.50	8.0	8.0
	CC5A/CD5AW043	1350	35,600	NONE	10.10	10.10	10.50	8.0	8.0
	CA5A/CB5AA036	1200	36,000	NONE	10.00	10.20	10.20	8.0	8.0
	CB5AW036	1200	36,000	NONE	10.00	10.20	10.20	8.0	8.0
	CA5A/CB5AA042	1350	36,400	NONE	10.00	10.20	10.20	8.0	8.0
	CA5A/CB5AW042	1350	35,600	NONE	10.00	10.20	10.20	8.0	8.0
	CD3AA036	1200	35,400	NONE	10.10	10.50	10.50	8.0	8.0
	CD3AA042	1350	35,600	NONE	10.10	10.50	10.50	8.0	8.0
	CE3AA036	1200	35,000	NONE	10.00	10.30	10.30	8.0	8.0
	CE3AA042	1350	36,000	NONE	10.10	10.50	10.50	8.0	8.0

See notes on pg. 12.

Performance data continued

OUTDOOR MODEL	INDOOR SECTION	INDOOR AIR CFM	TOT CAP BTUH	SEASONAL EFFICIENCY				SOUND RATING (BELS)	SOUND RATING W/ACCESSORY SOUND BLANKET (BELS)
				Factory- Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory**			
						TDR	TXV		
038-30	CF5AA036	1300	35,400	NONE	10.00	10.50	10.50	8.0	8.0
	FB(5,4)AN(A,F)036	1350	35,000	TDR	10.00	—	10.00	8.0	8.0
	FB5AN(A,F)042	1350	36,000	TDR	10.20	—	10.20	8.0	8.0
	FB4AN(A,M,F)042	1350	36,000	TDR	10.20	—	10.20	8.0	8.0
	FG3AAA036	1350	35,600	NONE	10.00	10.30	10.30	8.0	8.0
	FK4ANF003	1065	35,600	TDR & TXV	11.00	—	—	8.0	8.0
	FC4ANF036	1305	36,000	TDR & TXV	10.50	—	—	8.0	8.0
	FC4ANF042	1335	36,000	TDR & TXV	10.50	—	—	8.0	8.0
	FK4BNF001	1335	36,000	TDR & TXV	10.50	—	—	8.0	8.0
	FK4BNF002	1335	36,000	TDR & TXV	10.00	—	—	8.0	8.0
	FK4BNF003	1335	36,000	TDR & TXV	11.00	—	—	8.0	8.0
	FK4BNF004	1335	36,000	TDR & TXV	11.00	—	—	8.0	8.0
	FK4BNF005	1335	37,000	TDR & TXV	11.50	—	—	8.0	8.0
	FK4BNF006	1335	37,000	TDR & TXV	11.50	—	—	8.0	8.0
042-30	*CC5A/CD5AA042	1375	40,000	NONE	10.20	10.50	10.50	8.0	8.0
	CC5A/CD5AW042	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5AA043	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5AW043	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CD5AA048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5AC048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5AW048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CA5A/CB5AA042	1375	40,500	NONE	10.00	10.20	10.20	8.0	8.0
	CA5A/CB5AW042	1400	40,500	NONE	10.00	10.20	10.20	8.0	8.0
	CB5AA048	1400	40,500	NONE	10.00	10.50	10.50	8.0	8.0
	CB5AC048	1400	38,500	NONE	10.00	10.20	10.20	8.0	8.0
	CA5A/CB5AW048	1400	40,500	NONE	10.00	10.20	10.20	8.0	8.0
	CD3AA042	1375	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CD3AA048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CE3AA042	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CE3AA048	1400	40,500	NONE	10.00	10.50	10.50	8.0	8.0
	CF5AA048	1400	41,000	NONE	10.00	10.50	10.50	8.0	8.0
	FB5AN(A,F)042	1400	40,000	TDR	10.00	—	10.50	8.0	8.0
	FB4AN(A,M,F)042	1400	40,000	TDR	10.00	—	10.00	8.0	8.0
	FB5AN(A,F)048	1400	41,000	TDR	10.50	—	10.50	8.0	8.0
	FB4AN(A,M,F)048	1400	41,000	TDR	10.50	—	10.50	8.0	8.0
	FG3AAA048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	FK4ANF004	1255	41,000	TDR & TXV	11.00	—	—	8.0	8.0
	FC4ANF042	1400	41,000	TDR & TXV	10.50	—	—	8.0	8.0
	FC4ANF048	1400	41,500	TDR & TXV	10.50	—	—	8.0	8.0
	FK4BNF003	1375	40,500	TDR & TXV	11.00	—	—	8.0	8.0
	FK4BNB005	1375	42,000	TDR & TXV	11.50	—	—	8.0	8.0
	FK4BNB006	1375	42,000	TDR & TXV	11.50	—	—	8.0	8.0
042-31	*CC5/CD5A/CD5BA042	1400	40,000	NONE	10.20	10.50	10.50	8.0	8.0
	CA5A/CB5AA042	1400	40,000	NONE	10.00	10.20	10.20	8.0	8.0
	CA5A/CB5AW042	1400	40,000	NONE	10.00	10.20	10.20	8.0	8.0
	CB5AA048	1400	39,500	NONE	10.00	10.50	10.50	8.0	8.0
	CA5A/CB5AW048	1400	39,500	NONE	10.00	10.20	10.20	8.0	8.0
	CD3(A,B)042	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5A/CD5BA043	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5A/CD5BW042	1400	39,500	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5A/CD5BW043	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CD5A/CD5BA048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CD3(A,B)048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5A/CD5BC048	1400	39,500	NONE	10.00	10.50	10.50	8.0	8.0
	CC5A/CD5A/CD5BW048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CE3AA042	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	CE3AA048	1400	40,500	NONE	10.00	10.50	10.50	8.0	8.0
	CF5AA048	1400	40,500	NONE	10.00	10.50	10.50	8.0	8.0
	FB4AN(A,M,F)042	1400	40,000	TDR	10.00	—	10.00	8.0	8.0
	FB5AN(A,F)042	1400	40,000	TDR	10.00	—	10.00	8.0	8.0
	F(A,B)4AN(F,B)042	1400	40,000	TDR	10.00	—	10.00	8.0	8.0
	FB4AN(A,M,F)048	1400	41,000	TDR	10.50	—	10.50	8.0	8.0
	FB5AN(A,F)048	1400	41,000	TDR	10.50	—	10.50	8.0	8.0
	F(A,B)4AN(F,B)048	1400	41,000	TDR	10.50	—	10.50	8.0	8.0
	FC4BN(F,B)042	1400	40,000	TDR & TXV	10.00	—	—	8.0	8.0
	FC4BNF038	1400	41,000	TDR & TXV	11.00	—	—	8.0	8.0
	FC4BNB054	1400	41,500	TDR & TXV	11.00	—	—	8.0	8.0
	FC4BN(F,B)048	1400	41,000	TDR & TXV	10.50	—	—	8.0	8.0
	FG3AAA048	1400	40,000	NONE	10.00	10.50	10.50	8.0	8.0
	FK4BNF003	1250	40,000	TDR & TXV	11.00	—	—	8.0	8.0
	FK4BNB005	1335	41,000	TDR & TXV	11.50	—	—	8.0	8.0
	FK4BNB006	1315	41,500	TDR & TXV	11.50	—	—	8.0	8.0
	FK4ANF004	1390	41,000	TDR & TXV	11.00	—	—	8.0	8.0
	FK4ANF005	1395	41,500	TDR & TXV	11.00	—	—	8.0	8.0

See notes on pg. 12.

Performance data continued

OUTDOOR MODEL	INDOOR SECTION	INDOOR AIR CFM	TOT CAP BTUH	SEASONAL EFFICIENCY				SOUND RATING (BELS)	SOUND RATING W/ACCESSORY SOUND BLANKET (BELS)
				Factory- Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory**			
						TDR	TXV		
048-30	*CD5AA048	1500	46,500	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5AC048	1500	46,500	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5AW048	1500	46,500	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5AA060	1500	47,000	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5AW060	1500	48,000	NONE	10.50	10.70	10.70	7.8	7.8
	CB5AA048	1500	47,500	NONE	10.00	10.20	10.20	7.8	7.8
	CB5AC048	1500	45,500	NONE	10.30	10.50	10.50	7.8	7.8
	CA5A/CB5AW048	1500	47,500	NONE	10.00	10.20	10.20	7.8	7.8
	CA5A/CB5AA060	1500	45,500	NONE	10.30	10.50	10.50	7.8	7.8
	CA5A/CB5AW060	1500	45,500	NONE	10.30	10.50	10.50	7.8	7.8
	CD3AA048	1500	46,500	NONE	10.30	10.50	10.50	7.8	7.8
	CD3AA060	1500	47,000	NONE	10.30	10.50	10.50	7.8	7.8
	CE3AA048	1500	47,000	NONE	10.30	10.50	10.50	7.8	7.8
	CE3AA060	1500	48,000	NONE	10.30	10.50	10.50	7.8	7.8
	CF5AA048	1500	47,500	NONE	10.30	10.50	10.50	7.8	7.8
	FB5AN(A,F)048	1500	47,500	TDR	10.50	—	10.50	7.8	7.8
	FB4AN(A,M,F)048	1500	47,500	TDR	10.50	—	10.50	7.8	7.8
	FB5AN(A,F)060	1500	48,000	TDR	10.50	—	10.50	7.8	7.8
	FB4AN(A,M,F)060	1500	48,000	TDR	10.50	—	10.50	7.8	7.8
	FG3AAA048	1500	46,000	NONE	10.30	10.50	10.50	7.8	7.8
	FG3AAA060	1500	48,000	NONE	10.30	10.50	10.50	7.8	7.8
	FK4ANF005	1500	48,000	TDR & TXV	11.00	—	—	7.8	7.8
	FC4ANF048	1500	47,500	TDR & TXV	10.50	—	—	7.8	7.8
	FC4ANF060	1500	48,000	TDR & TXV	11.00	—	—	7.8	7.8
	FK4BNB006	1500	48,000	TDR & TXV	11.50	—	—	7.8	7.8
048-31	*CD5A/CD5BA048	1700	46,000	NONE	10.00	10.50	10.50	7.8	7.8
	CB5AA048	1700	46,000	NONE	10.00	10.20	10.20	7.8	7.8
	CA5A/CB5AW048	1700	46,000	NONE	10.00	10.20	10.20	7.8	7.8
	CA5A/CB5AA060	1668	44,500	NONE	10.00	10.20	10.20	7.8	7.8
	CA5A/CB5AW060	1668	44,500	NONE	10.00	10.20	10.20	7.8	7.8
	CD3ABA048	1700	46,000	NONE	10.00	10.50	10.50	7.8	7.8
	CC5A/CD5A/CD5BC048	1687	45,000	NONE	10.00	10.50	10.50	7.8	7.8
	CC5A/CD5A/CD5BW048	1700	46,000	NONE	10.00	10.20	10.20	7.8	7.8
	CC5A/CD5A/CD5BA060	1700	46,500	NONE	10.00	10.50	10.50	7.8	7.8
	CD3ABA060	1700	46,500	NONE	10.00	10.50	10.50	7.8	7.8
	CC5A/CD5A/CD5BW060	1700	47,500	NONE	10.00	10.50	10.50	7.8	7.8
	CE3AA048	1700	46,500	NONE	10.00	10.50	10.50	7.8	7.8
	CE3AA060	1700	48,000	NONE	10.30	10.50	10.50	7.8	7.8
	CF5AA048	1700	46,000	NONE	10.30	10.50	10.50	7.8	7.8
	FB4AN(A,M,F)048	1700	46,000	TDR	10.50	—	10.50	7.8	7.8
	FB5AN(A,F)048	1700	46,000	TDR	10.50	—	10.50	7.8	7.8
	F(A,B)4AN(F,B)048	1700	46,000	TDR	10.50	—	10.50	7.8	7.8
	FB4AN(A,M,F)060	1700	47,500	TDR	10.50	—	10.50	7.8	7.8
	FB5AN(A,F)060	1700	47,500	TDR	10.50	—	10.50	7.8	7.8
	F(A,B)4AN(F,B)060	1700	47,500	TDR	10.50	—	10.50	7.8	7.8
	FB4AN(M,F)070	1700	48,000	TDR	10.70	—	10.70	7.8	7.8
	FB4ANB070	1700	48,000	TDR	10.70	—	10.70	7.8	7.8
	FC4BN(F,B)048	1700	46,500	TDR & TXV	10.40	—	—	7.8	7.8
	FC4BNB070	1700	48,000	TDR & TXV	10.70	—	—	7.8	7.8
	FC4BN(F,B)060	1700	47,500	TDR & TXV	10.50	—	—	7.8	7.8
	FC4BNB054	1700	48,000	TDR & TXV	10.70	—	—	7.8	7.8
	FG3AAA048	1700	45,500	NONE	10.00	10.50	10.50	7.8	7.8
	FG3AAA060	1700	47,000	NONE	10.30	10.50	10.50	7.8	7.8
	FK4BNB006	1500	48,000	TDR & TXV	11.00	—	—	7.8	7.8
	FK4ANF005	1515	48,000	TDR & TXV	11.00	—	—	7.8	7.8
	FK4ANF006	1600	48,000	TDR & TXV	11.00	—	—	7.8	7.8
060-30	*CC5A/CD5AW060	2125	57,500	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5AA060	1800	55,000	NONE	10.30	10.50	10.50	7.8	7.8
	CA5A/CB5AA060	1800	55,500	NONE	10.20	10.50	10.50	7.8	7.8
	CA5A/CB5AW060	2125	57,000	NONE	10.30	10.50	10.50	7.8	7.8
	CD3AA060	1800	55,000	NONE	10.30	10.50	10.50	7.8	7.8
	CE3AA060	2000	58,000	NONE	10.50	10.80	10.80	7.8	7.8
	FB5AN(A,F)060	2000	57,500	TDR	10.40	—	10.40	7.8	7.8
	FB4AN(A,M,F)060	2000	57,500	TDR	10.40	—	10.40	7.8	7.8
	FB4AN(M,F)070	2000	58,500	TDR	10.80	—	10.80	7.8	7.8
	FG3AAA060	2125	57,000	NONE	10.30	10.70	10.70	7.8	7.8
	FK4ANF006	1870	58,000	TDR & TXV	11.00	—	—	7.8	7.8
	FC4ANF060	2000	58,000	TDR & TXV	10.60	—	—	7.8	7.8
	FK4BNB006	2125	58,000	TDR & TXV	11.00	—	—	7.8	7.8

See notes on pg. 12.

Performance data continued

OUTDOOR MODEL	INDOOR SECTION	INDOOR AIR CFM	TOT CAP BTUH	SEASONAL EFFICIENCY				SOUND RATING (BELS)	SOUND RATING W/ACCESSORY SOUND BLANKET (BELS)
				Factory- Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory**			
						TDR	TXV		
060-31	*CC5A/CD5A/CD5BW060	2000	57,500	NONE	10.30	10.50	10.50	7.8	7.8
	CA5A/CB5AA060	1800	55,000	NONE	10.20	10.50	10.50	7.8	7.8
	CA5A/CB5AW060	2000	57,000	NONE	10.30	10.50	10.50	7.8	7.8
	CC5A/CD5A/CD5BA060	1800	55,000	NONE	10.30	10.50	10.50	7.8	7.8
	CD3(A,B)A060	1800	55,000	NONE	10.30	10.50	10.50	7.8	7.8
	CE3AA060	2000	58,000	NONE	10.50	10.80	10.80	7.8	7.8
	FB4AN(A,M,F)060	2000	57,500	TDR	10.50	—	10.50	7.8	7.8
	FB5AN(A,F)060	2000	57,500	TDR	10.50	—	10.50	7.8	7.8
	F(A,B)4AN(F,B)060	2156	57,500	TDR	10.50	—	10.50	7.8	7.8
	FB4AN(M,F)070	2000	58,500	TDR	11.00	—	11.00	7.8	7.8
	FB4ANB070	2193	58,500	TDR	11.00	—	11.00	7.8	7.8
	FC4BNB070	2000	58,500	TDR & TXV	11.00	—	—	7.8	7.8
	FC4BN(F,B)060	2156	57,500	TDR & TXV	10.50	—	—	7.8	7.8
	FG3AAA060	2000	57,000	NONE	10.30	10.70	10.70	7.8	7.8
	FK4BNB006	1775	58,000	TDR & TXV	11.00	—	—	7.8	7.8
	FK4ANF006	2000	58,000	TDR & TXV	11.00	—	—	7.8	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 w/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 NUMBER
Time-Delay Relay	KAATD0101TDR
Furnaces with TDR	58SSC/58DHC, 58SX, 58DX, 58SXB, 58GFA/DFA, 58PAP/RAP, 58RAV, 58EJA, 58SXA, 58DXA, 58DXC, 58WAV, 58ZAV, 58PAV

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.

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB018-30, 31 Outdoor Section With CD5AA018 Indoor Section													
550	72	20.1	9.80	1.79	19.0	9.39	1.89	17.8	8.95	1.99	16.6	8.50	2.08
	67	18.3	12.3	1.73	17.2	11.8	1.82	16.1	11.4	1.91	15.0	10.9	2.00
	62	16.5	14.7	1.67	15.5	14.2	1.76	14.5	13.6	1.84	13.4	13.0	1.92
	57	15.6	15.6	1.64	14.8	14.8	1.73	14.0	14.0	1.82	13.2	13.2	1.91
600	72	20.4	10.1	1.82	19.2	9.64	1.92	18.0	9.20	2.02	16.8	8.75	2.11
	67	18.5	12.7	1.76	17.4	12.3	1.85	16.3	11.8	1.94	15.1	11.3	2.03
	62	16.7	15.3	1.70	15.7	14.7	1.79	14.7	14.2	1.87	13.6	13.5	1.96
	57	16.0	16.0	1.67	15.2	15.2	1.77	14.4	14.4	1.86	13.5	13.5	1.95
675	72	20.7	10.4	1.87	19.5	10.0	1.96	18.3	9.58	2.06	17.0	9.12	2.16
	67	18.8	13.4	1.80	17.7	12.9	1.89	16.5	12.5	1.99	15.3	12.0	2.08
	62	17.0	16.1	1.74	16.0	15.5	1.83	14.9	14.8	1.92	14.0	14.0	2.01
	57	16.5	16.5	1.72	15.7	15.7	1.82	14.8	14.8	1.91	14.0	14.0	2.01

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	1.00	1.00	FC4ANF	018	1.03	1.02
	024	1.02	1.01		024	1.05	1.01
CA5A/CB5AA	018	0.99	0.99	FD3ANA	018	0.99	1.04
	024	1.01	0.99		024	1.02	1.02
CD3AA	018	0.99	1.00	FF1ANA	018	0.99	0.97
	024	1.02	1.01		024	1.02	1.04
CD5AA	018	1.00	1.00	FG3AAA	024	1.02	1.02
CE3AA	024	1.03	1.02	FK4ANF	002	1.05	0.94
CF5AA	024	1.03	1.02	FK4BNF	001	1.05	0.95
FB(5,4)AN(A,F)	018	0.98	1.00		002	1.05	0.95
	024	1.02	1.05		004	1.05	0.93

38TKB024-30, 31 Outdoor Section With CD5AA024 Indoor Section

700	72	25.7	12.6	2.40	24.3	12.1	2.52	22.7	11.5	2.64	21.2	11.0	2.75
	67	23.3	15.9	2.30	22.0	15.3	2.41	20.5	14.7	2.52	19.1	14.1	2.63
	62	21.1	19.0	2.20	19.8	18.3	2.31	18.5	17.6	2.41	17.2	16.9	2.51
	57	20.1	20.1	2.16	19.1	19.1	2.27	18.0	18.0	2.39	17.0	17.0	2.50
800	72	26.2	13.2	2.47	24.7	12.6	2.59	23.1	12.1	2.70	21.5	11.5	2.82
	67	23.8	16.8	2.36	22.4	16.2	2.47	20.9	15.6	2.58	19.4	15.0	2.69
	62	21.6	20.2	2.27	20.2	19.5	2.37	18.9	18.7	2.48	17.7	17.7	2.58
	57	20.9	20.9	2.24	19.8	19.8	2.35	18.8	18.8	2.47	17.7	17.7	2.58
900	72	26.6	13.7	2.53	25.1	13.2	2.65	23.4	12.6	2.76	21.8	12.0	2.87
	67	24.2	17.7	2.42	22.7	17.2	2.54	21.2	16.5	2.64	19.6	15.9	2.75
	62	22.0	21.3	2.33	20.6	20.5	2.44	19.4	19.4	2.54	18.2	18.2	2.66
	57	21.6	21.6	2.31	20.5	20.5	2.43	19.4	19.4	2.54	18.2	18.2	2.66

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	1.00	1.00	FB4A(A,F)	030	1.03	1.02
	030	1.00	1.01		024	1.02	0.99
CC5A/CD5AW	030	1.00	1.01	FC4ANF	030	1.04	0.99
CC5A/CB5AA	024	0.98	0.99		024	0.96	0.98
CB5AA	030	0.98	0.99	FD3ANA	030	1.00	1.04
CA5A/CB5AW	030	0.98	0.99		024	0.99	1.01
CD3AA	024	0.99	1.00	FF1ANA	030	1.00	1.04
	030	1.00	1.01		024	0.96	0.99
CD5AA	024	1.00	1.00	FG3ANA	002	1.02	0.93
CE3AA	024	1.00	1.00	FK4BNF	001	1.05	0.94
CF5AA	030	1.01	1.01		002	1.06	0.95
	024	0.99	1.00		003	1.05	0.92
FB(5,4)AN(A,F)	024	0.99	1.00		004	1.06	0.92
FB5AN(A,F)	030	0.99	1.01	—	—	—	—

See notes on pg. 18.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB030-30, 31 Outdoor Section With CD5AA030 Indoor Section													
900	72	32.9	16.1	3.00	31.0	15.4	3.19	29.0	14.7	3.37	27.0	14.0	3.54
	67	29.8	20.3	2.89	28.0	19.5	3.06	26.2	18.7	3.23	24.4	18.0	3.39
	62	26.9	24.2	2.78	25.2	23.3	2.94	23.5	22.5	3.09	21.9	21.5	3.24
	57	25.6	25.6	2.73	24.3	24.3	2.90	23.0	23.0	3.06	21.6	21.6	3.22
1000	72	33.5	16.7	3.06	31.5	16.0	3.25	29.4	15.2	3.43	27.4	14.5	3.61
	67	30.3	21.2	2.95	28.5	20.4	3.12	26.6	19.7	3.29	24.7	18.9	3.45
	62	27.4	25.4	2.84	25.7	24.5	3.00	24.0	23.5	3.16	22.3	22.3	3.31
	57	26.4	26.4	2.80	25.1	25.1	2.97	23.7	23.7	3.14	22.3	22.3	3.31
1100	72	33.9	17.2	3.12	31.8	16.5	3.30	29.7	15.7	3.49	27.7	15.0	3.67
	67	30.8	22.1	3.00	28.8	21.3	3.18	26.9	20.6	3.35	25.0	19.8	3.51
	62	27.8	26.6	2.89	26.1	25.5	3.06	24.4	24.3	3.22	22.9	22.9	3.39
	57	27.1	27.1	2.87	25.7	25.7	3.04	24.3	24.3	3.22	22.9	22.9	3.39

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	1.00	1.00	FB5AN(A,F)	030	0.99	1.01
	036	1.04	1.01	FB4AN(A,F)	030	1.01	1.02
CC5A/CD5AW	030	0.99	1.00	FB(5,4)AN(A,F)	036	1.01	1.05
CD5AW	036	1.04	1.01	FC4ANF	030	1.04	1.02
CB5AA	030	0.99	1.00		036	1.04	1.02
CA5A/CB5AW	030	0.99	1.00	FD3ANA	030	0.99	1.03
CA5A/CB5AA	036	1.03	1.01	FF1ANA	030	1.00	1.02
CB5AW	036	1.03	1.01	FG3AAA	036	1.00	1.00
CD3AA	030	0.99	1.00	FK4BNF	002	1.01	0.95
	036	1.04	1.01		001	1.05	0.99
CD5AA	030	1.00	1.00		002	1.06	0.99
CE3AA	030	0.99	1.00		003	1.06	0.95
	036	1.02	1.01		004	1.06	0.96
CF5AA	036	1.03	1.01		—	—	—

38TKB036-30, 31 Outdoor Section With CD5AA036 Indoor Section

1050	72	38.6	19.3	3.48	36.3	18.4	3.69	33.9	17.5	3.90	31.5	16.7	4.10
	67	35.0	24.4	3.34	32.8	23.5	3.54	30.6	22.6	3.73	28.3	21.7	3.92
	62	31.6	29.2	3.21	29.6	28.2	3.39	27.6	27.1	3.58	25.6	25.6	3.75
	57	30.5	30.5	3.17	28.9	28.9	3.37	27.3	27.3	3.56	25.6	25.6	3.75
1200	72	39.4	20.2	3.57	36.9	19.3	3.78	34.4	18.4	3.99	32.0	17.6	4.19
	67	35.7	26.0	3.43	33.4	25.0	3.63	31.1	24.1	3.82	28.8	23.2	4.01
	62	32.3	31.2	3.30	30.3	30.0	3.49	28.4	28.4	3.68	26.6	26.6	3.88
	57	31.8	31.8	3.28	30.1	30.1	3.48	28.4	28.4	3.68	26.6	26.6	3.88
1350	72	39.9	21.0	3.66	37.4	20.2	3.87	34.9	19.3	4.07	32.3	18.4	4.28
	67	36.2	27.5	3.52	33.9	26.5	3.71	31.5	25.6	3.91	29.1	24.6	4.09
	62	33.0	32.8	3.39	31.1	31.1	3.59	29.3	29.3	3.79	27.4	27.4	3.99
	57	32.8	32.8	3.38	31.1	31.1	3.59	29.3	29.3	3.79	27.4	27.4	3.99

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	1.00	1.00	CF5AA	036	0.99	1.00
	042	1.00	1.00	FB(5,4)AN(A,F)	036	0.97	1.00
	043	0.99	1.00	FB5AN(A,F)	042	1.00	1.02
CD5AW	036	1.00	1.00	FB4AN(A,M,F)	042	1.00	1.02
CC5A/CD5AW	042	0.99	1.00		036	0.99	0.99
	043	0.99	1.00	FC4ANF	042	1.01	1.01
CA5A/CB5AA	036	1.00	1.00	FG3AAA	036	0.96	0.99
	042	1.00	1.00	FK4ANF	003	0.99	0.93
CB5AW	036	1.00	1.00	FK4BNB	005	1.05	0.95
CA5A/CB5AW	042	0.99	1.00		006	1.05	0.94
CD3AA	036	1.00	1.00	FK4BNF	001	0.98	0.97
	042	1.00	1.00		002	0.98	0.98
CD5AA	036	1.00	1.00		003	1.00	0.93
CE3AA	036	0.99	0.99		004	1.00	0.94
	042	0.99	1.00	—	—	—	—

See notes on pg. 18.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB036-32 Outdoor Section With CC5A/CD5A/CD5BA036 Indoor Section													
1050	72	39.0	19.2	3.59	37.2	18.5	3.92	35.3	17.8	4.28	33.3	17.1	4.67
	67	35.6	24.2	3.48	34.0	23.5	3.81	32.2	22.8	4.16	30.3	22.0	4.55
	62	32.5	29.1	3.39	30.9	28.3	3.71	29.3	27.5	4.06	27.6	26.6	4.42
	57	31.0	31.0	3.35	29.8	28.8	3.68	28.5	28.5	4.04	27.2	27.2	4.40
1200	72	39.8	20.1	3.67	37.9	19.4	4.00	35.9	18.7	4.36	33.8	17.9	4.76
	67	36.3	25.7	3.56	34.6	25.0	3.89	32.7	24.3	4.24	30.8	23.5	4.63
	62	33.2	31.0	3.47	31.6	30.2	3.79	29.9	29.3	4.14	28.2	28.1	4.51
	57	32.2	32.2	3.44	30.9	30.9	3.77	29.6	29.6	4.13	28.2	28.2	4.51
1350	72	40.3	20.9	3.74	38.4	20.2	4.08	36.3	19.5	4.44	34.2	18.7	4.83
	67	36.9	27.1	3.64	35.1	26.4	3.96	33.2	25.7	4.32	31.2	24.9	4.70
	62	33.7	32.8	3.54	32.1	31.8	3.87	30.5	30.5	4.22	29.0	29.0	4.61
	57	33.3	33.3	3.53	31.9	31.9	3.86	30.5	30.5	4.22	29.0	29.0	4.61

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5A/CD5BA	036	1.00	1.00	FB4AN(A,M,F)	042	1.01	1.01
	042	1.00	1.00	FB5AN(A,F)	042	1.01	1.01
	043	1.00	1.00	F(A,B)4AN(A,F)	042	1.01	1.01
CA5A/CB5AA	036	1.01	1.00	FC4BNF	033	1.00	1.00
	042	0.99	0.99		036	0.98	1.01
CB5AW	036	1.01	1.00		038	1.02	1.01
CA5A/CB5AW	042	0.98	0.99	FC4BN(F,B)	042	1.00	1.00
CD5A/CD5BW	036	1.00	1.00	FC4BNB	054	1.03	1.00
CD3(A,B)A	036	1.00	1.00	FG3AAA	036	0.98	1.00
	042	1.00	1.00	FK4BNF	001	0.99	0.98
CC5A/CD5A/CD5BW	042	0.99	1.00		002	0.98	0.98
	043	0.99	1.00		003	1.01	0.93
	042	0.99	1.00		004	1.00	0.94
CE3AA	036	0.99	1.00		005	1.03	0.94
	042	1.01	1.00	FK4ANF	003	0.99	0.96
CF5AA	036	0.99	1.00		004	1.02	0.97
FB(5,4)AN(A,F)	036	0.99	1.01		—	—	—
F(A,B)4ANF	036	0.99	1.01				

38TKB038-30 Outdoor Section With CD5AA036 Indoor Section

1150	72	40.8	19.9	3.98	38.4	19.0	4.24	36.0	18.1	4.48	33.6	17.2	4.72
	67	36.9	24.9	3.86	34.7	23.9	4.09	32.5	23.0	4.32	30.3	22.1	4.55
	62	33.3	29.6	3.73	31.3	28.6	3.95	29.3	27.6	4.17	27.3	26.5	4.38
	57	31.5	31.5	3.67	30.0	30.0	3.90	28.4	28.4	4.13	26.9	26.9	4.36
1350	72	41.9	21.0	4.10	39.3	20.1	4.35	36.8	19.2	4.61	34.3	18.3	4.85
	67	37.9	26.7	3.97	35.6	25.8	4.21	33.3	24.8	4.44	31.0	23.9	4.67
	62	34.3	32.1	3.85	32.2	30.9	4.07	30.1	29.7	4.29	28.1	28.1	4.52
	57	33.2	33.2	3.81	31.5	31.5	4.05	29.8	29.8	4.28	28.1	28.1	4.52
1550	72	42.6	22.0	4.21	40.0	21.1	4.47	37.4	20.1	4.71	34.8	19.2	4.96
	67	38.7	28.5	4.08	36.3	27.5	4.32	33.8	26.5	4.55	31.4	25.6	4.78
	62	35.1	34.1	3.96	32.9	32.7	4.19	31.0	31.0	4.42	29.2	29.2	4.66
	57	34.6	34.6	3.94	32.8	32.8	4.18	31.0	31.0	4.42	29.2	29.2	4.66

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	0.99	0.98	CF5AA	036	0.99	0.99
	042	1.00	1.00	FB(5,4)AN(A,F)	036	0.98	1.02
	043	1.00	1.00	FB5AN(A,F)	042	1.01	1.01
CD5AW	036	0.99	0.98	FB4AN(A,M,F)	042	1.01	1.01
CC5A/CD5AW	042	0.99	1.00	FC4ANF	036	1.01	0.99
	043	1.00	1.00		042	1.01	1.02
CA5A/CB5AA	036	1.01	0.99	FG3AAA	036	1.00	0.99
	042	1.02	1.01	FK4ANF	003	1.00	0.92
CB5AW	036	1.01	0.99	FK4BNB	005	1.04	0.87
CA5A/CB5AW	042	1.00	1.01		006	1.04	0.87
CD3AA	036	0.99	0.98	FK4BNF	001	1.01	0.89
	042	1.00	1.00		002	1.01	0.90
CE3AA	036	0.98	0.97		003	1.01	0.85
	042	1.01	1.00		004	1.01	0.86

See notes on pg. 18.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB042-30 Outdoor Section With CD5AA042 Indoor Section													
1225	72	46.2	22.8	4.01	43.5	21.8	4.26	40.7	20.8	4.51	37.9	19.8	4.76
	67	41.9	28.7	3.89	39.3	27.7	4.12	36.8	26.6	4.36	34.2	25.6	4.59
	62	37.8	34.4	3.77	35.5	33.2	3.99	33.2	32.0	4.21	30.8	30.5	4.42
	57	36.2	36.2	3.72	34.4	34.4	3.95	32.5	32.5	4.18	30.5	30.5	4.41
1375	72	47.0	23.7	4.09	44.2	22.7	4.35	41.3	21.6	4.60	38.5	20.6	4.85
	67	42.7	30.3	3.97	40.0	29.2	4.21	37.3	28.1	4.45	34.7	27.1	4.67
	62	38.6	36.3	3.85	36.2	35.0	4.08	33.9	33.6	4.30	31.6	31.6	4.53
	57	37.5	37.5	3.82	35.6	35.6	4.05	33.7	33.7	4.29	31.6	31.6	4.53
1575	72	47.9	24.8	4.20	44.9	23.8	4.46	41.9	22.7	4.71	39.0	21.7	4.96
	67	43.4	32.2	4.07	40.7	31.1	4.32	37.9	30.0	4.55	35.2	28.9	4.78
	62	39.4	38.6	3.96	37.0	36.9	4.19	34.9	34.9	4.43	32.8	32.8	4.67
	57	39.0	39.0	3.94	36.9	36.9	4.19	34.9	34.9	4.43	32.8	32.8	4.67

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CD5AA	042	1.00	1.00	CE3AA	042	1.00	1.00
CC5A/CD5AA	042	1.00	1.00	CF5AA	048	1.01	1.01
	043	1.00	1.00		048	1.03	1.01
CC5A/CD5AW	042	1.00	1.01	FB5AN(A,F)	042	1.00	1.02
	043	1.00	1.00		048	1.03	1.02
	048	1.00	1.00		042	1.00	1.02
CD5AA	048	1.00	1.00	FB4AN(A,M,F)	048	1.03	1.02
CC5A/CD5AC	048	1.00	1.00	FC4ANF	042	1.02	1.02
CA5A/CB5AA	042	1.01	1.01		048	1.04	1.03
CA5A/CB5AW	042	1.01	1.01	FG3AAA	048	1.00	1.00
	048	1.01	1.01	FK4ANF	004	1.03	0.96
CB5AA	048	1.01	1.01	FK4BNB	005	1.05	0.97
CB5AC	048	0.96	1.00		006	1.05	0.96
CD3AA	042	1.00	1.00	FK4BNF	003	1.01	0.95
	048	1.00	1.00		—	—	—

38TKB042-31 Outdoor Section With CC5A/CD5A/CD5BA042 Indoor Section

1250	72	45.3	22.5	3.93	43.2	21.7	4.28	41.0	20.9	4.64	38.8	20.1	5.02
	67	41.4	28.6	3.81	39.4	27.8	4.15	37.4	26.9	4.50	35.3	26.1	4.86
	62	37.6	34.4	3.71	35.9	33.5	4.03	34.0	32.5	4.37	32.2	31.4	4.72
	57	36.2	36.2	3.66	34.8	34.8	3.99	33.3	33.3	4.34	31.8	31.8	4.71
1400	72	46.0	23.4	4.01	43.8	22.6	4.36	41.6	21.8	4.73	39.3	20.9	5.10
	67	42.0	30.0	3.89	40.0	29.2	4.23	37.9	28.4	4.58	35.8	27.5	4.95
	62	38.3	36.2	3.79	36.5	35.2	4.11	34.6	34.1	4.45	32.8	32.8	4.81
	57	37.4	37.4	3.76	35.9	35.9	4.09	34.3	34.3	4.44	32.7	32.7	4.81
1600	72	46.7	24.4	4.12	44.5	23.6	4.46	42.1	22.8	4.83	39.7	22.0	5.21
	67	42.7	31.9	4.00	40.6	31.1	4.33	38.5	30.2	4.68	36.2	29.3	5.05
	62	39.1	38.4	3.89	37.3	37.1	4.22	35.5	35.5	4.57	33.8	33.8	4.94
	57	38.7	38.7	3.88	37.1	37.1	4.22	35.5	35.5	4.57	33.8	33.8	4.94

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5A/CD5BA	042	1.00	1.00	FB4AN(A,M,F)	042	1.00	1.01
	043	1.00	1.00		048	1.02	1.02
CA5A/CB5AA	042	1.00	1.00	FB5AN(A,F)	042	1.00	1.01
CA5A/CB5AW	042	1.00	1.00		048	1.02	1.02
	048	0.99	0.99	F(A,B)4AN(F,B)	042	1.00	1.01
CB5AA	048	0.99	0.99		048	1.02	1.02
CD3(A,B)	042	1.00	1.00	FC4BN(F,B)	042	1.00	1.01
	048	1.00	1.00		048	1.02	1.02
CC5A/CD5A/CD5BW	042	0.99	1.00	FC4BNF	038	1.02	1.03
	043	1.00	1.00	FC4BNB	054	1.04	1.01
	048	1.00	1.00	FG3AAA	048	1.00	1.00
CD5A/CD5BA	048	1.00	1.00	FK4BNF	003	1.00	0.95
CC5A/CD5A/CD5BC	048	0.99	1.00	FK4BNB	005	1.02	0.97
CE3AA	042	1.00	1.00		006	1.04	0.96
CF5AA	048	1.01	1.01	FK4ANF	004	1.02	0.98
	048	1.01	1.00		005	1.04	0.99

See notes on pg. 18.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB048-30 Outdoor Section With CD5AA048 Indoor Section													
1500	72	53.4	26.4	4.72	51.1	25.5	5.16	48.5	24.6	5.65	45.9	23.6	6.17
	67	48.7	33.4	4.59	46.5	32.5	5.03	44.2	31.5	5.51	41.7	30.6	6.01
	62	44.3	40.2	4.47	42.3	39.1	4.91	40.1	38.0	5.37	37.9	36.8	5.86
	57	42.4	42.4	4.43	40.8	40.8	4.87	39.1	39.1	5.34	37.4	37.4	5.84
1600	72	53.9	27.0	4.77	51.5	26.1	5.21	48.9	25.1	5.70	46.2	24.2	6.23
	67	49.2	34.4	4.64	46.9	33.4	5.08	44.5	32.5	5.56	42.1	31.5	6.07
	62	44.7	41.4	4.53	42.6	40.3	4.96	40.5	39.1	5.43	38.3	37.8	5.92
	57	43.2	43.2	4.49	41.5	41.5	4.93	39.8	39.8	5.40	38.0	38.0	5.91
1700	72	54.4	27.5	4.82	51.9	26.6	5.27	49.3	25.7	5.76	46.5	24.7	6.28
	67	49.6	35.3	4.69	47.3	34.3	5.13	44.8	33.4	5.61	42.3	32.4	6.12
	62	45.1	42.6	4.58	43.0	41.4	5.01	40.8	40.1	5.48	38.6	38.6	5.98
	57	43.9	43.9	4.55	42.2	42.2	4.99	40.4	40.4	5.47	38.6	38.6	5.97

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CD5AA	048	1.00	1.00	CE3AA	048	1.01	1.00
CC5A/CD5AA	048	1.00	1.00	CF5AA	060	1.03	1.01
	060	1.01	1.00		048	1.02	1.00
CC5A/CD5AC	048	1.00	1.00	FB5AN(A,F)	048	1.02	1.01
CC5A/CD5AW	048	1.00	1.00		060	1.03	1.04
	060	1.03	1.01	FB4AN(A,M,F)	048	1.02	1.01
CB5AA	048	1.02	1.04		060	1.03	1.04
CB5AC	048	0.98	0.99	FC4ANF	048	1.02	1.02
CA5A/CB5AW	048	1.02	1.04		060	1.03	0.97
	060	0.98	0.98	FG3AAA	048	0.99	1.00
CA5A/CB5AA	060	0.98	0.98		060	1.03	1.01
CD3AA	048	1.00	1.00	FK4ANF	005	1.03	1.00
	060	1.01	1.00	FK4BNB	006	1.03	0.97

38TKB048-31 Outdoor Section With CD5A/CD5BA048 Indoor Section

1500	72	51.9	25.7	4.64	49.7	24.8	5.05	47.3	24.0	5.50	44.8	23.1	5.99
	67	47.3	32.5	4.52	45.2	31.6	4.93	43.1	30.7	5.37	40.8	29.8	5.86
	62	43.0	39.1	4.42	41.1	38.1	4.82	39.1	37.1	5.26	37.0	35.9	5.73
	57	41.2	41.2	4.38	39.7	39.7	4.78	38.1	38.1	5.23	36.5	36.5	5.71
1600	72	52.4	26.2	4.69	50.1	25.4	5.10	47.7	24.5	5.55	45.2	23.6	6.05
	67	47.8	33.4	4.57	45.7	32.5	4.98	43.4	31.6	5.42	41.1	30.7	5.91
	62	43.4	40.3	4.47	41.5	39.2	4.87	39.4	38.1	5.31	37.4	36.9	5.78
	57	41.9	41.9	4.43	40.4	40.4	4.84	38.8	38.8	5.29	37.1	37.1	5.77
1700	72	52.8	26.7	4.75	50.5	25.9	5.15	48.0	25.0	5.61	45.5	24.1	6.10
	67	48.2	34.3	4.62	46.0	33.4	5.03	43.7	32.5	5.47	41.3	31.6	5.96
	62	43.8	41.4	4.52	41.8	40.3	4.92	39.8	39.1	5.36	37.7	37.6	5.83
	57	42.6	42.6	4.49	41.0	41.0	4.90	39.4	39.4	5.35	37.6	37.6	5.83

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CD5A/CD5BA	048	1.00	1.00	FB5AN(A,F)	048	1.00	1.01
CB5AA	048	1.00	1.00		060	1.03	1.02
CA5A/CB5AW	048	1.00	1.00	F(A,B)4AN(F,B)	048	1.00	1.01
	060	0.97	0.98		060	1.03	1.02
CA5A/CB5AA	060	0.97	0.98	FB4AN(M,F)	070	1.04	1.01
CD3ABA	048	1.00	1.00	FB4ANB	070	1.04	1.01
	060	1.01	1.00	FC4BN(F,B)	048	1.01	1.01
CC5A/CD5A/CD5BC	048	0.98	0.98		060	1.03	1.02
CC5A/CD5A/CD5BW	048	1.00	1.00	FC4BNB	054	1.04	1.01
	060	1.03	1.01		070	1.04	1.01
CC5A/CD5A/CD5BA	060	1.01	1.00	FG3AAA	048	0.99	0.98
CE3AA	048	1.01	0.99		060	1.02	0.99
	060	1.04	1.01	FK4BNB	006	1.04	0.95
CF5AA	048	1.00	0.98		005	1.04	0.98
FB4AN(A,M,F)	048	1.00	1.01	FK4ANF	006	1.04	0.98
	060	1.03	1.02		—	—	—

See notes on pg. 18.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
		Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**	Capacity MBtu/h†		Total System Kw**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKB060-30 Outdoor Section With CD5AA060 Indoor Section													
1750	72	63.8	31.3	5.62	60.9	30.3	6.17	57.9	29.2	6.77	54.8	28.0	7.41
	67	58.2	29.5	5.49	55.6	28.4	6.03	52.8	27.3	6.62	49.9	26.1	7.23
	62	53.0	27.5	5.37	50.6	26.3	5.90	48.0	25.0	6.47	45.0	24.4	7.05
	57	50.5	25.5	5.31	48.6	24.6	5.85	46.6	23.6	6.42	44.1	23.4	7.02
2000	72	65.0	32.7	5.75	62.0	31.6	6.30	58.8	30.5	6.90	55.6	29.3	7.55
	67	59.4	30.8	5.61	56.6	29.7	6.15	53.7	29.5	6.75	50.7	28.3	7.37
	62	54.1	28.8	5.49	51.6	27.7	6.02	48.9	27.7	6.60	46.0	26.8	7.20
	57	52.4	27.4	5.45	50.4	26.4	6.00	48.3	26.3	6.58	45.9	26.3	7.19
2125	72	65.5	33.4	5.81	62.4	32.3	6.36	59.2	31.1	6.97	55.9	30.0	7.62
	67	59.8	31.5	5.67	57.0	30.3	6.22	54.0	29.6	6.81	51.0	28.8	7.43
	62	54.6	29.5	5.55	52.0	28.3	6.09	49.4	28.3	6.67	46.6	27.7	7.27
	57	53.3	28.3	5.52	51.2	27.3	6.07	49.0	27.3	6.66	46.6	27.3	7.27
2250	72	65.9	34.0	5.87	62.8	32.9	6.43	59.6	31.8	7.03	56.2	30.6	7.68
	67	60.2	32.1	5.73	57.3	31.0	6.28	54.3	30.3	6.87	51.3	29.6	7.50
	62	55.0	30.1	5.61	52.4	29.0	6.15	49.8	29.0	6.73	47.3	28.6	7.35
	57	54.1	29.1	5.59	51.9	28.5	6.14	49.7	28.5	6.73	47.3	28.6	7.34

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CD5AA	060	1.00	1.00	FB5AN(A,F)	060	1.00	1.03
CC5A/CD5AW	060	1.00	1.00	FB4AN(A,M,F)	060	1.00	1.03
CC5A/CD5AA	060	0.96	0.97	FB4AN(M,F)	070	1.02	1.01
CA5A/CB5AA	060	0.97	0.97	FC4ANF	060	1.01	1.01
CA5A/CB5AW	060	0.99	0.99	FG3AAA	060	0.99	1.00
CD3AA	060	0.96	0.97	FK4ANF	006	1.01	0.97
CE3AA	060	1.01	0.99	FK4BNB	006	1.01	0.96

38TKB060-31 Outdoor Section With CC5A/CD5A/CD5BW060 Indoor Section

1750	72	63.9	31.4	5.36	61.1	30.3	5.85	58.2	29.3	6.39	55.2	28.2	6.96
	67	58.3	29.5	5.24	55.7	28.5	5.72	53.1	27.4	6.25	50.4	26.3	6.80
	62	53.1	27.5	5.14	50.7	26.3	5.61	48.3	25.1	6.12	45.8	24.8	6.66
	57	50.6	25.6	5.09	48.7	24.7	5.56	46.8	24.8	6.08	44.8	24.8	6.63
2000	72	65.1	32.7	5.49	62.2	31.7	5.97	59.1	30.6	6.51	56.1	29.5	7.08
	67	59.4	30.8	5.36	56.7	29.8	5.84	53.9	29.7	6.37	51.1	28.5	6.92
	62	54.1	28.8	5.25	51.7	27.7	5.73	49.2	27.9	6.24	46.7	27.3	6.79
	57	52.5	27.5	5.22	50.5	26.5	5.70	48.5	26.5	6.22	46.4	26.4	6.78
2125	72	65.6	33.4	5.55	62.6	32.3	6.03	59.5	31.2	6.57	56.4	30.1	7.14
	67	59.9	31.5	5.42	57.2	30.4	5.90	54.3	30.8	6.43	51.5	29.6	6.98
	62	54.6	29.5	5.31	52.1	28.6	5.79	49.6	29.0	6.30	47.2	28.6	6.85
	57	53.3	28.3	5.28	51.3	27.6	5.77	49.3	28.3	6.29	47.1	28.1	6.85
2250	72	66.0	34.0	5.60	63.0	33.0	6.09	59.9	31.8	6.63	56.7	30.8	7.20
	67	60.3	32.1	5.48	57.5	31.1	5.96	54.6	30.3	6.49	51.7	29.7	7.04
	62	55.0	30.1	5.37	52.5	29.1	5.84	50.1	29.0	6.36	47.7	28.7	6.92
	57	54.1	29.1	5.35	52.1	28.6	5.83	50.0	28.6	6.36	47.7	28.7	6.92

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5A/CD5BW	060	1.00	1.00	F(A,B)4AN(F,B)	060	1.00	1.03
CA5A/CB5A	060	0.96	0.97	FB4AN(M,F)	070	1.02	1.01
CA5A/CB5AW	060	0.99	0.99	FB4ANB	070	1.02	1.01
CC5A/CD5A/CD5BA	060	0.96	0.97	FC4BNB	070	1.02	1.01
CD3(A,B)A	060	0.96	0.97	FC4BN(F,B)	060	1.00	1.03
CE3AA	060	1.01	0.99	FG3AAA	060	0.99	0.99
FB4AN(A,M,F)	060	1.00	0.99	FK4BNB	006	1.01	0.96
FB5AN(A,F)	060	1.00	1.03	FK4ANF	006	1.01	1.02

* 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 (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btu/h (245 kw) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btu/h (245 kw) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

When the required data falls between the published data, interpolation may be performed.

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

System Design

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01-in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: indoor coil above = 50 ft, indoor coil below = 150 ft. (See items 6 and 7 following).
6. For interconnecting refrigerant tube lengths greater than 50 ft, consult Long-Line Application Guideline available from equipment distributor.
7. Crankcase heater required when interconnecting refrigerant tube length exceeds 50 ft. This applies to units with reciprocating compressor.
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.
10. Mixmatches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort.



Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

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