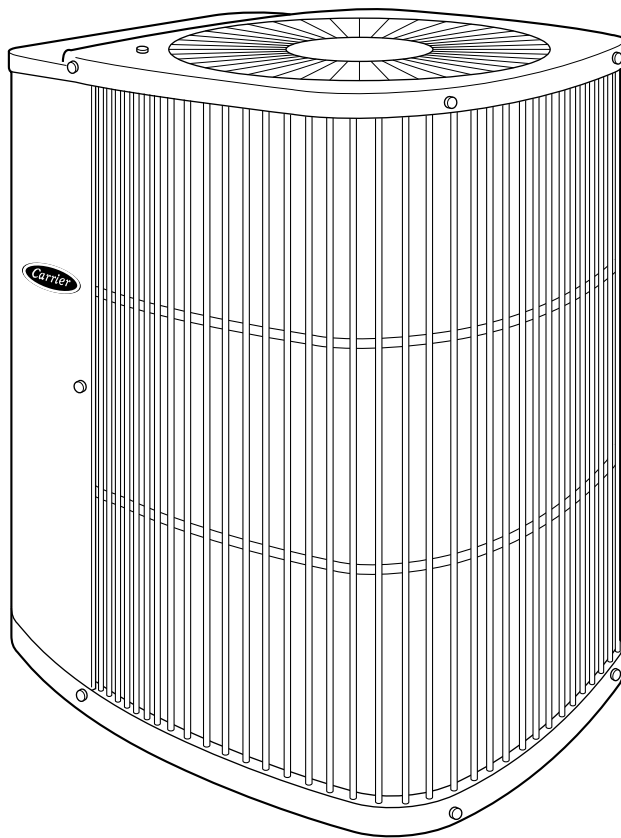




Product Data

38TKW (60 Hz) Air Conditioner

Sizes 018 thru 060



Model 38TKW Energy-Efficient, feature packed 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 up to 11.5 when used with components as designated by manufacturer. All models are listed with UL, ARI, CEC, and c-UL.

FEATURES/BENEFITS

Electrical Range — All 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 of residential and light commercial applications.

Weather-Armor II Cabinet — Steel is galvanized and coated with a layer of zinc phosphate. A coat of modified polyester powder coating is then applied and baked-on providing each unit with a hard, smooth finish that will last for many years.

All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

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

Application Versatility — The 38TKW 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.

assist — capacitor relay, and a crankcase heater.

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.

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.

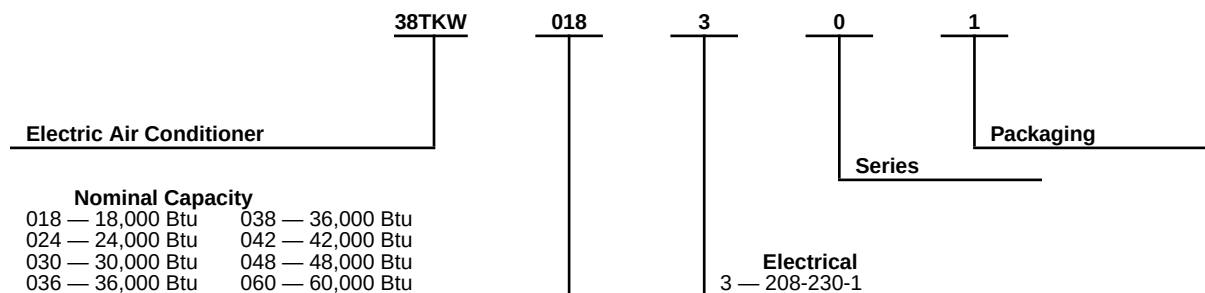


CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI.



CERTIFICATION OF
MANUFACTURING SITE

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	024-30, 31	030-30, 31	036-30, 31	042-30	048-30, 31	060-30, 31
OPERATING WEIGHT (Lb)	138	140/153	158/163	159/168	230	239/241	255/258
REFRIGERANT Control	22 AccuRater® Piston						
CHARGE (Lb) @ 15 ft	3.69	4.01	4.88	5.01	6.06	7.01/7.00	9.38/8.50
CONDENSER FAN Air Discharge Air Qty (CFM)	1600		1900		3000		2900
CONDENSER COIL Face Area (Sq ft)	7.2		10.8		15.0		
VALVE CONNECT (In. ID) Vapor Liquid	5/8		3/4 3/8		7/8		
REFRIG TUBES* (In. OD) Vapor Liquid†	5/8		3/4 3/8		7/8		1-1/8
COMPRESSOR MANUFACTURER & TYPE	Copeland Recip/ Tecumseh Recip					Millennium Scroll/ Copeland Scroll	

* 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.

NOTE: See unit Installation Instructions for proper installation.

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 — All Sizes
Standard	Start Assist-Cap/Relay — All Sizes
Standard	Crankcase Heater — All Sizes
KSASH2101COP	Sound Hood — Sizes 048, 060 (31)
KSASH1901TEC	Sound Hood — Sizes 030, 036 (31)
KSASH1301TEC	Sound Hood — Sizes 024 (31)
KSASH1101COP	Sound Hood — Sizes 018 & 024 (30)
KSASH1201COP	Sound Hood — Sizes 030, 036, 042 (30)
KSASH2001CYL	Sound Hood — Sizes 048 & 060 (30)
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 Shutoff) — Size 018
KAATX1001HSO	TXV Kit (Hard Shutoff) — Size 024
KAATX1101HSO	TXV Kit (Hard Shutoff) — Size 030
KAATX1201HSO	TXV Kit (Hard Shutoff) — Sizes 036–042
KAATX1301HSO	TXV Kit (Hard Shutoff) — Size 048
KAATX1401HSO	TXV Kit (Hard Shutoff) — Size 060
Standard	Low Pressure Switch — All Sizes
Standard	High Pressure Switch — All Sizes
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 042–060

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

Accessory Description and Usage

1. Evaporator Freeze Thermostat

An SPST temperature actuated switch which stops unit operation when evaporator reaches freeze-up conditions.

SUGGESTED USE: All units where low-ambient controller has been added.

2. 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.

3. Liquid Solenoid Valve (LSV)

An electrically operated shutoff valve to be installed at the outdoor or indoor unit (depending on tubing configuration), which stops and starts refrigerant liquid flow in response to compressor operation. Maintains a column of refrigerant liquid ready for action at next compressor operation cycle.

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. Low-Ambient Controller

Head pressure controller is a cycle control device activated by a temperature sensor mounted on a header tube of the outdoor coil. It is designed to cycle the outdoor fan motors in order to maintain condensing temperature within normal operating limits (approximately 100°F high and 60°F low).

The control will maintain working head pressure at low-ambient temperatures down to -20°F when properly installed.

SUGGESTED USE: Cooling operation at outdoor temperatures below 55°F (12.8°C).

5. Sound Blanket/Shield/Hood

Wrap-around sound attenuation cover for the compressor. Reduces the sound level by about 2 dBA.

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

Unit installed between 2 houses less than 10 ft apart.

6. 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.

7. 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 shutoff 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.)

8. Time-Delay Relay

An SPST delay relay which briefly continues operation of the indoor blower motor to provide additional cooling after the compressor cycles off.

SUGGESTED USE: For improved efficiency ratings for certain combinations of indoor and outdoor units. (Refer to ARI Unitary Directory)

9. Winter Start Control

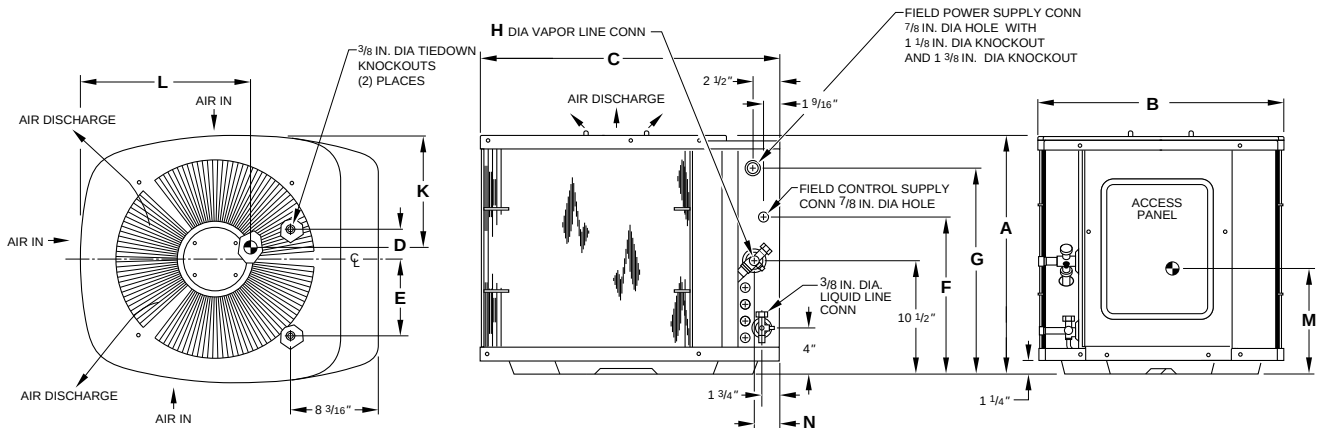
An SPST delay relay which bypasses the low-pressure switch for approximately 3 minutes to permit start-up for cooling operation under low load conditions.

SUGGESTED USE: All air conditioners which have low-pressure switch and low-ambient controller has been added.

Dimensions

UNIT	SERIES	ELECTRICAL CHARACTERISTICS				A	B	C	D	E	F	G	H	K	L	M	N	SHIPPING WEIGHT
						In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Lb.
38TKW018	0	X	O	O	O	21 7/8	22 1/2	27 1/2	2 13/16	6 15/16	13 3/8	17 7/8	5/8	12 3/16	14 1/2	10 3/8	2 3/8	143
38TKW024	0	X	O	O	O	21 7/8	22 1/2	27 1/2	2 13/16	6 15/16	13 3/8	17 7/8	5/8	12 3/16	14 1/2	10 3/8	2 3/8	145
38TKW024	1	X	O	O	O	21 7/8	22 1/2	27 1/2	2 13/16	6 15/16	13 3/8	17 7/8	5/8	12	15 1/8	10 3/8	2 3/8	158
38TKW030	0	X	O	O	O	31 7/8	22 1/2	27 1/2	2 13/16	6 15/16	21 1/2	27 7/8	3/4	12 3/16	14 3/4	11 13/16	2 3/8	163
38TKW030	1	X	O	O	O	31 7/8	22 1/2	27 1/2	2 13/16	6 15/16	21 1/2	27 7/8	3/4	12 9/16	14	12 5/16	2 3/8	168
38TKW036	0	X	O	O	O	31 7/8	22 1/2	27 1/2	2 13/16	6 15/16	21 1/2	27 7/8	3/4	12 3/16	14 3/4	11 13/16	2 3/8	164
38TKW036	1	X	O	O	O	31 7/8	22 1/2	27 1/2	2 13/16	6 15/16	21 1/2	27 7/8	3/4	12 9/16	14	12 5/16	2 3/8	173
38TKW042	0	X	O	O	O	31 7/8	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	15 3/4	19	12 13/16	2 15/16	235
38TKW048	0	X	O	O	O	31 7/8	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	13 1/2	20 7/16	14 1/16	2 15/16	246
38TKW048	1	X	O	O	O	31 7/8	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	13 1/2	20 7/16	14 1/16	2 15/16	246
38TKW060	0	X	O	O	O	37 7/8	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	15 3/4	19 15/16	14 1/16	2 15/16	263
38TKW060	1	X	O	O	O	37 7/8	30	34 15/16	4	9 3/4	21 1/2	27 7/8	7/8	15 3/4	19 15/16	14 1/16	2 15/16	263

208/230-1-60	X = YES
230-1-60	O = NO
208/230-3-60	
460-3-60	



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

NOTES:

1. Allow 30 In. clearance to service side of unit, 48 In. above unit, 6 In. on one side, 12 In. on remaining side, and 24 In. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F (unless low ambient control is used), max. 125°F.
3. Series designation is the 13th position of the unit model number.
4. Center of gravity ●.

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	208-230/1	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	14	49	47	30
042-30				105.0	17.3	1.4	23.5	12	12	63	60	35
048-30				140.0	24.4	1.4	31.9	8	10	111	68	50
048-31				129.0	23.7	1.4	31.0	8	10	115	70	45
060-30				165.0	28.8	1.4	37.4	8	8	91	87	50
060-31				169.0	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

* 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%.

** 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 336-30.

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).

NOTES:

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

ACCURATER® PISTON CHART

CONDENSING UNIT SIZE	PISTON IDENTIFICATION NO.*
018-30	52
024-30, 31	59
030-30, 31	70
036-30, 31	73
042-30	82
048-30	82
048-31	84
060-30	98
060-31	96

* 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

UNIT SIZE-SERIES	INDOOR UNIT	TOT. CAP. BTUH	SEASONAL EFFICIENCY				SOUND RATING (dBA)±	
			FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			
					TDR†	TXV		
018-30	CC5A/CD5A/CD5BA018*	17,200	NONE	10.00	10.20	10.20	78	
	CC5A/CD5A/CD5BA024	17,600	NONE	10.00	10.50	10.50	78	
	CC5A/CD5A/CD5BW024	17,600	NONE	10.00	10.50	10.50	78	
	CD3(A,B)A018	17,000	NONE	10.00	10.20	10.20	78	
	CD3(A,B)A024	17,600	NONE	10.00	10.50	10.50	78	
	CD3CA024	17,600	NONE	10.00	10.50	10.50	78	
	CE3AA024	17,800	NONE	10.00	10.50	10.50	78	
	CF5AA024	17,800	NONE	10.00	10.50	10.50	78	
	CG5AA024	17,800	TXV	10.00	10.50	—	78	
	F(A,B)4ANF018	16,800	TDR	10.00	—	10.00	78	
	F(A,B)4ANF024	17,600	TDR	10.50	—	10.50	78	
	FC4BNF024	17,600	TDR & TXV	10.50	—	—	78	
	FD3ANA018	17,100	NONE	—	10.00	10.00	78	
	FD3ANA024	17,600	NONE	10.00	10.50	10.50	78	
	FF1(A,B)NA018	17,000	TDR	10.50	—	10.50	78	
	FF1(A,B)NA024	17,600	TDR	10.50	—	10.50	78	
	FG3AAA024	17,500	NONE	10.00	10.20	10.20	78	
	FK4BNF001	18,000	TDR & TXV	12.00	—	—	78	
	FK4BNF002	18,000	TDR & TXV	12.00	—	—	78	
	FK4BNF004	18,000	TDR & TXV	12.50	—	—	78	
	FK4CNF001	18,000	TDR & TXV	12.00	—	—	78	
	FK4CNF002	18,000	TDR & TXV	12.00	—	—	78	
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA018	17,600	TDR	11.00	—	11.00	78	
	CD3(A,B)A018	17,600	TDR	11.00	—	11.00	78	
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA018	17,600	TDR	11.00	—	11.00	78	
	CD3(A,B)A018	17,600	TDR	11.00	—	11.00	78	
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA018	17,600	TDR	11.00	—	11.00	78	
	CD3(A,B)A018	17,600	TDR	11.00	—	11.00	78	
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA018	17,200	TDR	11.00	—	11.00	78	
	CC5A/CD5A/CD5BA024	17,600	TDR	11.50	—	11.50	78	
	CC5A/CD5A/CD5BW024	17,600	TDR	11.50	—	11.50	78	
	CD3(A,B)A018	17,200	TDR	11.00	—	11.00	78	
	CD3(A,B)A024	17,600	TDR	11.50	—	11.50	78	
	CE3AA024	17,600	TDR	11.50	—	11.50	78	
024-30, 31	CC5A/CD5A/CD5BA024*	22,400	NONE	10.00	10.20	10.20	80	
	CC5A/CD5A/CD5BA030	22,400	NONE	10.00	10.20	10.20	80	
	CC5A/CD5A/CD5BW024	22,200	NONE	10.00	10.20	10.20	80	
	CC5A/CD5A/CD5BW030	22,400	NONE	10.00	10.20	10.20	80	
	CD3(A,B)A024	22,200	NONE	10.00	10.20	10.20	80	
	CD3(A,B)A030	22,400	NONE	10.00	10.20	10.20	80	
	CD3CA024	22,000	NONE	—	10.00	10.00	80	
	CD3CA030	22,200	NONE	—	10.10	10.10	80	
	CE3AA024	22,400	NONE	10.00	10.20	10.20	80	
	CE3AA030	22,600	NONE	10.00	10.50	10.50	80	
	CF5AA024	22,200	NONE	10.00	10.20	10.20	80	
	CG5AA024	22,200	TXV	10.00	10.20	—	80	
	F(A,B)4ANF024	22,200	TDR	10.00	—	10.00	80	
	F(A,B)4ANF030	23,000	TDR	10.20	—	10.20	80	
	FC4BNF024	22,200	TDR & TXV	10.00	—	—	80	
	FC4BNF030	23,000	TDR & TXV	10.20	—	—	80	
	FD3ANA024	21,600	NONE	—	10.00	10.00	80	
	FD3ANA030	22,400	NONE	—	10.00	10.00	80	
	FF1(A,B)NA024	22,200	TDR	10.00	—	10.00	80	
	FF1(A,B)NA030	22,400	TDR	10.00	—	10.00	80	
	FG3AAA024	21,400	NONE	—	10.00	10.00	80	
	FK4BNF001	23,600	TDR & TXV	11.00	—	—	80	
	FK4BNF002	23,800	TDR & TXV	11.00	—	—	80	
	FK4BNF003	23,600	TDR & TXV	11.50	—	—	80	
	FK4BNF004	23,800	TDR & TXV	11.50	—	—	80	
	FK4CNF001	23,600	TDR & TXV	11.00	—	—	80	
	FK4CNF002	23,800	TDR & TXV	11.00	—	—	80	
	FK4CNF003	23,600	TDR & TXV	11.50	—	—	80	
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA024	22,600	TDR	11.00	—	11.00	80	
	CD3(A,B)A024	22,600	TDR	11.00	—	11.00	80	
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA024	22,600	TDR	11.00	—	11.00	80	
	CD3(A,B)A024	22,600	TDR	11.00	—	11.00	80	
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA024	22,600	TDR	11.00	—	11.00	80	
	CD3(A,B)A024	22,600	TDR	11.00	—	11.00	80	
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA024	22,400	TDR	11.00	—	11.00	80	
	CC5A/CD5A/CD5BA030	22,800	TDR	11.20	—	11.20	80	

See notes on pg. 12.

Performance data continued

UNIT SIZE-SERIES	INDOOR UNIT	TOT. CAP. BTUH	SEASONAL EFFICIENCY				SOUND RATING (dBA)±	
			FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			
					TDR†	TXV		
024-30, 31	CC5A/CD5A/CD5BW024	22,400	TDR	11.00	—	11.00	80	
	CC5A/CD5A/CD5BW030	22,800	TDR	11.20	—	11.20	80	
	CD3(A,B)A024	22,400	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	22,800	TDR	11.20	—	11.20	80	
	CE3AA024	22,600	TDR	11.00	—	11.00	80	
	CE3AA030	22,800	TDR	11.20	—	11.20	80	
030-30, 31	CC5A/CD5A/CD5BA030*	28,000	NONE	10.00	10.20	10.20	80	
	CC5A/CD5A/CD5BA036	29,000	NONE	10.00	10.50	10.50	80	
	CC5A/CD5A/CD5BW030	27,800	NONE	10.00	10.20	10.20	80	
	CD3(A,B)A030	27,800	NONE	10.00	10.20	10.20	80	
	CD3(A,B)A036	29,000	NONE	10.00	10.50	10.50	80	
	CD3CA030	27,400	NONE	10.00	10.20	10.20	80	
	CD3CA036	28,000	NONE	10.00	10.20	10.20	80	
	CD5A/CD5BW036	29,000	NONE	10.00	10.50	10.50	80	
	CE3AA030	27,800	NONE	10.00	10.30	10.30	80	
	CE3AA036	28,600	NONE	10.00	10.50	10.50	80	
	CF5AA036	28,800	NONE	10.00	10.50	10.50	80	
	CG5AA036	28,000	TXV	10.00	10.50	—	80	
	F(A,B)4ANF030	28,400	TDR	10.30	—	10.30	80	
	F(A,B)4ANF036	28,200	TDR	10.00	—	10.00	80	
	FC4BNF030	28,400	TDR & TXV	10.30	—	—	80	
	FC4BNF036	28,200	TDR & TXV	10.00	—	—	80	
	FD3ANA030	27,800	NONE	—	10.00	10.00	80	
	FF1(A,B)NA030	28,000	TDR	10.00	—	10.10	80	
	FG3AAA036	28,000	NONE	10.00	10.50	10.50	80	
	FK4BNF001	29,400	TDR & TXV	10.50	—	—	80	
	FK4BNF002	29,600	TDR & TXV	10.50	—	—	80	
	FK4BNF003	29,800	TDR & TXV	11.00	—	—	80	
	FK4BNF004	29,800	TDR & TXV	11.00	—	—	80	
	FK4CNF001	29,400	TDR & TXV	10.50	—	—	80	
	FK4CNF002	29,600	TDR & TXV	10.50	—	—	80	
	FK4CNF003	29,800	TDR & TXV	11.00	—	—	80	
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA030	29,000	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	29,000	TDR	11.00	—	11.00	80	
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA030	29,000	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	29,000	TDR	11.00	—	11.00	80	
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA030	29,000	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	29,000	TDR	11.00	—	11.00	80	
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA030	28,200	TDR	11.00	—	11.00	80	
	CC5A/CD5A/CD5BA036	29,000	TDR	11.20	—	11.20	80	
	CC5A/CD5A/CD5BW030	28,200	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	28,200	TDR	11.00	—	11.00	80	
	CD3(A,B)A036	29,000	TDR	11.20	—	11.20	80	
	CD5A/CD5BW036	29,000	TDR	11.20	—	11.20	80	
	CE3AA036	28,400	TDR	11.00	—	11.00	80	
	CE3AA042	29,000	TDR	11.00	—	11.00	80	
	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA030	28,400	TDR	11.00	—	11.00	80	
	CC5A/CD5A/CD5BA036	29,000	TDR	11.20	—	11.20	80	
	CC5A/CD5A/CD5BW030	28,400	TDR	11.00	—	11.00	80	
	CD3(A,B)A030	28,400	TDR	11.00	—	11.00	80	
	CD3(A,B)A036	29,000	TDR	11.20	—	11.20	80	
	CD5A/CD5BW036	29,000	TDR	11.20	—	11.20	80	
	CE3AA036	28,400	TDR	11.00	—	11.00	80	
	CE3AA042	29,000	TDR	11.20	—	11.20	80	
036-30, 31	CC5A/CD5A/CD5BA036*	33,400	NONE	10.00	10.20	10.20	81	
	CC5A/CD5A/CD5BA042	33,400	NONE	10.00	10.20	10.20	81	
	CC5A/CD5A/CD5BW042	33,000	NONE	10.00	10.20	10.20	81	
	CD3(A,B)A036	33,000	NONE	10.00	10.20	10.20	81	
	CD3(A,B)A042	33,400	NONE	10.00	10.20	10.20	81	
	CD3CA036	32,000	NONE	—	10.00	10.00	81	
	CD3CA042	32,000	NONE	—	10.00	10.00	81	
	CD5A/CD5BW036	33,400	NONE	10.00	10.20	10.20	81	
	CE3AA036	33,000	NONE	10.00	10.20	10.20	81	
	CE3AA042	33,200	NONE	10.00	10.20	10.20	81	
	CF5AA036	33,200	NONE	10.00	10.20	10.20	81	
	CG5AA036	33,200	TXV	10.00	10.20	—	81	
	F(A,B)4ANF036	32,400	TDR	10.00	—	10.00	81	
	F(A,B)4AN(FB)042	33,400	TDR	10.00	—	10.00	81	
	FC4BNF033	33,400	TDR & TXV	10.20	—	—	81	
	FC4BNF036	32,400	TDR & TXV	10.00	—	—	81	
	FC4BNF038	34,600	TDR & TXV	10.50	—	—	81	
	FC4BN(FB)042	33,400	TDR & TXV	10.00	—	—	81	
	FG3AAA036	32,200	NONE	—	10.00	10.00	81	
	FK4BNB005	35,000	TDR & TXV	11.50	—	—	81	
	FK4BNB006	35,000	TDR & TXV	11.50	—	—	81	

See notes on pg. 12.

Performance data continued

UNIT SIZE-SERIES	INDOOR UNIT	TOT. CAP. BTUH	SEASONAL EFFICIENCY				SOUND RATING W/ (dBA)‡	
			FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY			
					TDR†	TXV		
036-30, 31	FK4BNF001	32,800	TDR & TXV	10.50	—	—	81	
	FK4BNF002	32,800	TDR & TXV	10.50	—	—	81	
	FK4BNF003	33,400	TDR & TXV	11.00	—	—	81	
	FK4BNF004	33,400	TDR & TXV	11.00	—	—	81	
	FK4CNB006	35,000	TDR & TXV	11.50	—	—	81	
	FK4CNF001	32,800	TDR & TXV	10.50	—	—	81	
	FK4CNF002	32,800	TDR & TXV	10.50	—	—	81	
	FK4CNF003	33,400	TDR & TXV	11.00	—	—	81	
	FK4CNF005	35,000	TDR & TXV	11.50	—	—	81	
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,600	TDR	11.00	—	11.00	81	
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,600	TDR	11.00	—	11.00	81	
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE							
	CC5ACD5A/CD5BA036	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,600	TDR	11.00	—	11.00	81	
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,600	TDR	11.00	—	11.00	81	
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,800	TDR	10.80	—	10.80	81	
	CC5A/CD5A/CD5BA042	34,800	TDR	11.00	—	11.00	81	
	CC5A/CD5A/CD5BW042	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,800	TDR	10.80	—	10.80	81	
	CD3(A,B)A042	34,800	TDR	11.00	—	11.00	81	
	CD5A/CD5BW036	34,800	TDR	10.80	—	10.80	81	
	CE3AA036	34,400	TDR	10.80	—	10.80	81	
	CE3AA042	35,000	TDR	11.00	—	11.00	81	
	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,800	TDR	10.80	—	10.80	81	
	CC5A/CD5A/CD5BA042	34,800	TDR	11.20	—	11.20	81	
	CC5A/CD5A/CD5BW042	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,800	TDR	11.00	—	11.00	81	
	CD3(A,B)A042	34,800	TDR	11.20	—	11.20	81	
	CD5A/CD5BW036	34,800	TDR	11.00	—	11.00	81	
	CE3AA036	34,400	TDR	11.00	—	11.00	81	
	CE3AA042	35,000	TDR	11.00	—	11.00	81	
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,800	TDR	11.00	—	11.00	81	
	CC5A/CD5A/CD5BA042	34,800	TDR	11.20	—	11.20	81	
	CC5A/CD5A/CD5BW042	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,800	TDR	11.00	—	11.00	81	
	CD3(A,B)A042	34,800	TDR	11.20	—	11.20	81	
	CD5A/CD5BW036	34,800	TDR	11.00	—	11.00	81	
	CE3AA036	34,400	TDR	11.00	—	11.00	81	
	CE3AA042	35,000	TDR	11.00	—	11.00	81	
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE							
	CC5A/CD5A/CD5BA036	34,800	TDR	11.00	—	11.00	81	
	CC5A/CD5A/CD5BA042	34,800	TDR	11.20	—	11.20	81	
	CC5A/CD5A/CD5BW042	34,600	TDR	11.00	—	11.00	81	
	CD3(A,B)A036	34,800	TDR	11.00	—	11.00	81	
	CD3(A,B)A042	34,800	TDR	11.20	—	11.20	81	
	CD5A/CD5BW036	34,800	TDR	11.00	—	11.00	81	
	CE3AA036	34,400	TDR	11.00	—	11.00	81	
	CE3AA042	35,000	TDR	11.00	—	11.00	81	
042-30	CC5A/CD5A/CD5BA042*	40,000	NONE	10.20	10.50	10.50	80	
	CC5A/CD5A/CD5BC048	40,000	NONE	10.00	10.50	10.50	80	
	CC5A/CD5A/CD5BW042	40,000	NONE	10.00	10.50	10.50	80	
	CC5A/CD5A/CD5BW048	40,000	NONE	10.00	10.50	10.50	80	
	CD3(A,B)A042	40,000	NONE	10.00	10.50	10.50	80	
	CD3(A,B)A048	40,000	NONE	10.00	10.50	10.50	80	
	CD3CA042	38,000	NONE	—	10.00	10.00	80	
	CD3CA048	39,000	NONE	10.00	10.20	10.20	80	
	CD5A/CD5BA048	40,000	NONE	10.00	10.50	10.50	80	
	CE3AA042	40,000	NONE	10.00	10.50	10.50	80	
	CE3AA048	40,500	NONE	10.00	10.50	10.50	80	
	CF5AA048	41,000	NONE	10.00	10.50	10.50	80	
	CG5AA048	41,000	TXV	10.00	10.50	—	80	
	F(A,B)4AN(F,B)042	40,000	TDR	10.00	—	10.00	80	
	F(A,B)4AN(F,B)048	41,000	TDR	10.50	—	10.50	80	
	FC4BN(F,B)042	40,000	TDR & TXV	10.00	—	—	80	
	FC4BN(F,B)048	41,000	TDR & TXV	10.50	—	—	80	
	FC4BNB054	41,500	TDR & TXV	11.00	—	—	80	
	FC4BNF038	41,000	TDR & TXV	10.50	—	—	80	
	FG3AAA048	40,000	NONE	10.00	10.50	10.50	80	
	FK4BNB005	42,000	TDR & TXV	11.50	—	—	80	
	FK4BNB006	42,000	TDR & TXV	11.50	—	—	80	

See notes on pg. 12.

Performance data continued

UNIT SIZE-SERIES	INDOOR UNIT	TOT. CAP. BTUH	SEASONAL EFFICIENCY				SOUND RATING (dBA)‡
			FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		
					TDR†	TXV	
042-30	FK4BNF003	40,500	TDR & TXV	11.00	—	—	80
	FK4CNB006	42,000	TDR & TXV	11.50	—	—	80
	FK4CNF003	40,500	TDR & TXV	11.00	—	—	80
	FK4CNF005	42,000	TDR & TXV	11.50	—	—	80
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.00	—	11.00	80
	CD3(A,B)A042	40,000	TDR	11.00	—	11.00	80
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.00	—	11.00	80
	CD3(A,B)A042	40,000	TDR	11.00	—	11.00	80
	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW048	40,000	TDR	11.50	—	11.50	80
	CD3(A,B)A042	40,000	TDR	11.20	—	11.20	80
	CD3(A,B)A048	40,000	TDR	11.50	—	11.50	80
	CD5A/CD5BA048	40,000	TDR	11.50	—	11.50	80
	CE3AA042	40,500	TDR	11.20	—	11.20	80
	CE3AA048	40,500	TDR	11.50	—	11.50	80
	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW048	40,000	TDR	11.50	—	11.50	80
	CD3(A,B)A042	40,000	TDR	11.20	—	11.20	80
	CD3(A,B)A048	40,000	TDR	11.50	—	11.50	80
	CD5A/CD5BA048	40,000	TDR	11.50	—	11.50	80
	CE3AA042	40,500	TDR	11.20	—	11.20	80
	CE3AA048	40,500	TDR	11.50	—	11.50	80
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW048	40,000	TDR	11.50	—	11.50	80
	CD3(A,B)A042	40,000	TDR	11.20	—	11.20	80
	CD3(A,B)A048	40,000	TDR	11.50	—	11.50	80
	CD5A/CD5BA048	40,000	TDR	11.50	—	11.50	80
	CE3AA042	40,500	TDR	11.20	—	11.20	80
	CE3AA048	40,500	TDR	11.50	—	11.50	80
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW042	40,000	TDR	11.20	—	11.20	80
	CC5A/CD5A/CD5BW048	40,000	TDR	11.50	—	11.50	80
	CD3(A,B)A042	40,000	TDR	11.20	—	11.20	80
	CD3(A,B)A048	40,000	TDR	11.50	—	11.50	80
	CD5A/CD5BA048	40,000	TDR	11.50	—	11.50	80
	CE3AA042	40,500	TDR	11.20	—	11.20	80
	CE3AA048	40,500	TDR	11.50	—	11.50	80
048-30, 31	CC5A/CD5A/CD5BA060	46,500	NONE	10.00	10.50	10.50	82
	CC5A/CD5A/CD5BC048	45,000	NONE	10.00	10.50	10.50	82
	CC5A/CD5A/CD5BW048	46,000	NONE	10.00	10.20	10.20	82
	CC5A/CD5A/CD5BW060	47,500	NONE	10.00	10.50	10.50	82
	CD3(A,B)A048	46,000	NONE	10.00	10.50	10.50	82
	CD3(A,B)A060	46,500	NONE	10.00	10.50	10.50	82
	CD3CA048	45,000	NONE	—	10.00	10.00	82
	CD3CA060	46,000	NONE	10.00	10.20	10.20	82
	CD5A/CD5BA048*	46,000	NONE	10.00	10.50	10.50	82
	CE3AA048	46,500	NONE	10.00	10.50	10.50	82
	CE3AA060	48,000	NONE	10.30	10.50	10.50	82
	CF5AA048	46,000	NONE	10.30	10.50	10.50	82
	CG5AA048	46,000	TXV	10.30	10.50	—	82
	F(A,B)4AN(F,B)048	46,000	TDR	10.50	—	10.50	82
	F(A,B)4AN(F,B)060	47,500	TDR	10.50	—	10.50	82
	FB4ANB070	48,000	TDR	10.70	—	10.70	82
	FC4BN(F,B)048	46,500	TDR & TXV	10.40	—	—	82
	FC4BN(F,B)060	47,500	TDR & TXV	10.50	—	—	82
	FC4BNB054	48,000	TDR & TXV	10.70	—	—	82
	FC4BNB070	48,000	TDR & TXV	10.70	—	—	82
	FG3AAA048	45,500	NONE	10.00	10.50	10.50	82
	FG3AAA060	47,000	NONE	10.30	10.50	10.50	82
	FK4BNB006	48,000	TDR & TXV	11.00	—	—	82
	FK4CNB006	48,000	TDR & TXV	11.00	—	—	82
	FK4CNF005	47,000	TDR & TXV	11.00	—	—	82
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE						
	CD5A/CD5BA048	46,500	TDR	11.00	—	11.00	82
	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	TDR	11.20	—	11.20	82
	CD3(A,B)A048	45,000	TDR	11.00	—	11.00	82
	CD3(A,B)A060	45,500	TDR	11.00	—	11.00	82

See notes on pg. 12.

Performance data continued

UNIT SIZE-SERIES	INDOOR UNIT	TOT. CAP. BTUH	SEASONAL EFFICIENCY				SOUND RATING (dBA)‡
			FACTORY- SUPPLIED ENHANCE- MENT	STANDARD RATING	FIELD-SUPPLIED ACCESSORY		
					TDR†	TXV	
048-30, 31	CD5A/CD5BA048	46,500	TDR	11.00	—	11.00	82
	CE3AA048	45,500	TDR	11.00	—	11.00	82
	CE3AA060	47,000	TDR	11.20	—	11.20	82
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	TDR	11.20	—	11.20	82
	CD3(A,B)A048	45,000	TDR	11.00	—	11.00	82
	CD3(A,B)A060	45,500	TDR	11.00	—	11.00	82
	CD5A/CD5BA048	45,000	TDR	11.00	—	11.00	82
	CE3AA048	45,500	TDR	11.00	—	11.00	82
	CE3AA060	47,000	TDR	11.20	—	11.20	82
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	45,500	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW048	45,000	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	47,000	TDR	11.20	—	11.20	82
	CD3(A,B)A048	45,000	TDR	11.00	—	11.00	82
	CD3(A,B)A060	45,500	TDR	11.00	—	11.00	82
	CD5A/CD5BA048	45,000	TDR	11.00	—	11.00	82
	CE3AA048	45,500	TDR	11.00	—	11.00	82
	CE3AA060	47,000	TDR	11.20	—	11.20	82
060-30, 31	CC5A/CD5A/CD5BA060	55,000	NONE	10.30	10.50	10.50	82
	CC5A/CD5A/CD5BW060*	57,500	NONE	10.30	10.50	10.50	82
	CD3(A,B)A060	55,000	NONE	10.30	10.50	10.50	82
	CD3CA060	55,000	NONE	10.30	10.50	10.50	82
	CD3CA070	55,500	NONE	10.30	10.50	10.50	82
	CE3AA060	58,000	NONE	10.50	10.80	10.80	82
	F(A,B)4AN(F,B)060	57,500	TDR	10.50	—	10.50	82
	FB4ANB070	58,500	TDR	11.00	—	11.00	82
	FC4BNB070	58,500	TDR & TXV	11.00	—	—	82
	FC4BN(F,B)060	57,400	TDR & TXV	10.50	—	—	82
	FG3AAA060	57,000	NONE	10.30	10.70	10.70	82
	FK4BNB006	58,000	TDR & TXV	11.00	—	—	82
	FK4CNB006	58,000	TDR & TXV	11.00	—	—	82
	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	55,000	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	57,000	TDR	11.20	—	11.20	82
	CD3(A,B)A060	55,000	TDR	11.00	—	11.00	82
	CE3AA060	57,000	TDR	11.20	—	11.20	82
	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE						
	CC5A/CD5A/CD5BA060	55,000	TDR	11.00	—	11.00	82
	CC5A/CD5A/CD5BW060	57,000	TDR	11.20	—	11.20	82
CD3(A,B)A060	55,000	TDR	11.00	—	11.00	82	
CE3AA060	57,000	TDR	11.20	—	11.20	82	

* Tested Combination

† TDR is on all furnaces except 58GFA.

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

- NOTES:**
1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
 2. Tested outdoor/indoor combinations have been tested in accordance 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.

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKW018-30 Outdoor Section With CC5A/CD5A/CD5BA018 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/CD5A/CD5BA	018	1.00	1.00	FK4CNF	001	1.05	0.95
	024	1.02	1.01		002	1.05	0.95
CC5A/CD5A/CD5BW	024	1.02	1.01	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CD3(A,B)A	018	0.99	1.00	CC5A/CD5A/CD5BA	018	1.02	0.97
	024	1.02	1.01	CD3(A,B)A	018	1.02	0.97
CD3CA	024	1.02	1.01	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
CE3AA	024	1.03	1.01	CC5A/CD5A/CD5BA	018	1.02	0.97
CF5AA	024	1.03	1.01	CD3(A,B)A	018	1.02	0.97
CG5AA	024	1.03	1.01	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
F(A,B)4ANF	018	0.98	1.00	CC5A/CD5A/CD5BA	018	1.02	0.97
	024	1.02	1.02	CD3(A,B)A	018	1.02	0.97
FC4BNF	024	1.02	1.02	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
FD3ANA	018	0.99	1.03	CC5A/CD5A/CD5BA	018	1.00	0.94
	024	1.02	1.00		024	1.02	0.94
FF1(A,B)NA	018	0.99	0.96	CC5A/CD5A/CD5BW	024	1.02	0.94
	024	1.02	1.02	CD3(A,B)A	018	1.00	0.94
FG3AAA	024	1.02	1.01		024	1.02	0.94
FK4BNF	001	1.05	0.95	CE3AA	024	1.02	0.95
	002	1.05	0.95		—	—	—
	004	1.05	0.94				

See notes on pg. 19.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKW024-30, 31 Outdoor Section With CC5A/CD5A/CD5BA024 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/CD5A/CD5BA	024	1.00	1.00	FK4CNF	001	1.05	0.95
	030	1.00	1.00		002	1.06	0.95
CC5A/CD5A/CD5BW	024	0.99	1.00		003	1.05	0.93
	030	1.00	1.00	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
CD3(A,B)A	024	0.99	1.00	CC5A/CD5A/CD5BA	024	1.01	0.94
	030	1.00	1.00	CD3(A,B)A	024	1.01	0.94
CD3CA	024	0.98	1.00	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
	030	0.99	1.00	CC5A/CD5A/CD5BA	024	1.01	0.94
CE3AA	024	1.00	1.00	CD3(A,B)A	024	1.01	0.94
	030	1.01	1.01	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CF5AA	024	0.99	1.00	CC5A/CD5A/CD5BA	024	1.01	0.94
CG5AA	024	0.99	1.00	CD3(A,B)A	024	1.01	0.94
F(A,B)4ANF	024	0.99	1.00	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
	030	1.03	1.01	CC5A/CD5A/CD5BA	024	1.00	0.93
FC4BNF	024	0.99	1.00		030	1.02	0.93
	030	1.03	1.01	CC5A/CD5A/CD5BW	024	1.00	0.93
FD3ANA	024	0.96	0.97		030	1.02	0.93
	030	1.00	1.01	CD3(A,B)A	024	1.00	0.93
FF1(A,B)NA	024	0.99	1.01		030	1.02	0.93
	030	1.00	1.02	CE3AA	024	1.01	0.94
FG3AAA	024	0.96	1.00		030	1.02	0.94
FK4BNF	001	1.05	0.95				
	002	1.06	0.95				
	003	1.05	0.93				
	004	1.06	0.93				

See notes on pg. 19.

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‡	
38TKW030-30, 31 Outdoor Section With CC5A/CD5A/CD5BA030 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/CD5A/CD5BA	030	1.00	1.00	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE			
	036	1.04	1.01	CC5A/CD5A/CD5BA	030	1.04	0.98
CC5A/CD5A/CD5BW	030	0.99	1.00	CD3(A,B)A	030	1.04	0.98
CD3(A,B)A	030	0.99	1.00	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE			
	036	1.04	1.01	CC5A/CD5A/CD5BA	030	1.04	0.98
CD3CA	030	0.98	0.99	CD3(A,B)A	030	1.04	0.98
	036	1.00	1.00	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE			
CD5A/CD5BW	036	1.04	1.01	CC5A/CD5A/CD5BA	030	1.04	0.98
CE3AA	030	0.99	1.00	CD3(A,B)A	030	1.04	0.98
	036	1.02	1.01	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
CF5AA	036	1.03	1.01	CC5A/CD5A/CD5BA	030	1.01	0.95
CG5AA	036	1.00	1.01		036	1.04	0.96
F(A,B)4ANF	030	1.01	1.00	CC5A/CD5A/CD5BW	030	1.01	0.95
	036	1.01	1.02	CD3(A,B)A	030	1.01	0.95
FC4BNF	030	1.01	1.00		036	1.04	0.96
	036	1.01	1.02	CD5A/CD5BW	036	1.04	0.96
FD3ANA	030	0.99	1.00	CE3AA	036	1.01	0.95
FF1(A,B)NA	030	1.00	1.01		042	1.04	0.96
FG3AAA	036	1.00	1.01	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
FK4BNF	001	1.05	0.99	CC5A/CD5A/CD5BA	030	1.01	0.95
	002	1.06	0.99		036	1.04	0.96
	003	1.06	0.96	CC5A/CD5A/CD5BW	030	1.01	0.95
	004	1.06	0.97	CD3(A,B)A	030	1.01	0.95
FK4CNF	001	1.05	0.99		036	1.04	0.96
	002	1.06	0.99	CD5A/CD5BW	036	1.04	0.96
	003	1.06	0.96	CE3AA	036	1.01	0.95
	—	—	—		042	1.04	0.96

See notes on pg. 19.

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‡	
38TKW036-30, 31Outdoor Section With CC5A/CD5A/CD5BA036 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/CD5A/CD5BA	036	1.00	1.00	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE			
	042	1.00	1.00	CC5A/CD5A/CD5BA	036	1.04	1.01
CC5A/CD5A/CD5BW	042	0.99	1.00	CD3(A,B)A	036	1.04	1.01
CD3(A,B)A	036	0.99	1.00	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
	042	1.00	1.00	CC5A/CD5A/CD5BA	036	1.04	1.02
CD5A/CD5BW	036	1.00	1.00		042	1.04	1.01
CD3CA	036	0.96	0.98	CC5A/CD5A/CD5BW	042	1.04	1.01
	042	0.96	0.98	CD3(A,B)A	036	1.04	1.02
CE3AA	036	0.99	1.00		042	1.04	1.01
	042	0.99	1.00	CD5A/CD5BW	036	1.04	1.02
CF5AA	036	0.99	1.00	CE3AA	036	1.03	1.01
CG5AA	036	0.99	1.00		042	1.05	1.02
F(A,B)4ANF	036	0.97	1.01	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
F(A,B)4AN(F,B)	042	1.00	1.01	CC5A/CD5A/CD5BA	036	1.04	1.02
FC4BNF	033	1.00	1.01		042	1.04	1.01
	036	0.97	1.01	CC5A/CD5A/CD5BW	042	1.04	1.01
	038	1.04	1.03	CD3(A,B)A	036	1.04	1.02
FC4BN(F,B)	042	1.00	1.01		042	1.04	1.01
FG3AAA	036	0.96	0.99	CD5A/CD5BW	036	1.04	1.02
FK4BNB	005	1.05	0.96	CE3AA	036	1.03	1.01
	006	1.05	0.95		042	1.05	1.02
FK4BNF	001	0.98	0.98	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
	002	0.98	0.98	CC5A/CD5A/CD5BA	036	1.04	1.02
	003	1.00	0.94		042	1.04	1.01
	004	1.00	0.96	CC5A/CD5A/CD5BW	042	1.04	1.01
FK4CNB	006	1.05	0.95	CD3(A,B)A	036	1.04	1.02
FK4CNF	001	0.98	0.98		042	1.04	1.01
	002	0.98	0.98	CD5A/CD5BW	036	1.04	1.02
	003	1.00	0.94	CE3AA	036	1.03	1.01
	005	1.05	0.96		042	1.05	1.02
COILS + 58MVP040-14 VARIABLE-SPEED FURNACE				COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CC5A/CD5A/CD5BA	036	1.04	1.01	CC5A/CD5A/CD5BA	036	1.04	1.02
CD3(A,B)A	036	1.04	1.01		042	1.04	1.01
COILS + 58MVP060-14 VARIABLE-SPEED FURNACE				CC5A/CD5A/CD5BW	042	1.04	1.01
CC5A/CD5A/CD5BA	036	1.04	1.01	CD3(A,B)A	036	1.04	1.02
CD3(A,B)A	036	1.04	1.01		042	1.04	1.01
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE				CD5A/CD5BW	036	1.04	1.02
CC5A/CD5A/CD5BA	036	1.04	1.01	CE3AA	036	1.03	1.01
CD3(A,B)A	036	1.04	1.01		042	1.05	1.02

See notes on pg. 19.

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‡	
38TKW042-30 Outdoor Section With CC5A/CD5A/CD5BA042 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
*CC5A/CD5A/CD5BA	042	1.00	1.00	COILS + 58U(H,X)V060-12 VARIABLE-SPEED FURNACE			
CC5A/CD5A/CD5BC	048	1.00	1.00	CC5A/CD5A/CD5BA	042	1.00	0.94
CC5A/CD5A/CD5BW	042	1.00	1.00	CC5A/CD5A/CD5BW	042	1.00	0.95
	048	1.00	1.00		048	1.00	0.93
CD3(A,B)A	042	1.00	1.00	CD3(A,B)A	042	1.00	0.94
	048	1.00	1.00		048	1.00	0.93
CD3CA	042	0.95	0.98	CD5A/CD5BA	048	1.00	0.93
	048	0.98	0.99		CE3AA	042	1.01
CD5A/CD5BA	048	1.00	1.00	048		1.01	0.95
CE3AA	042	1.00	1.00	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
	048	1.01	1.00	CC5A/CD5A/CD5BA	042	1.00	0.94
CF5AA	048	1.02	1.01	CC5A/CD5A/CD5BW	042	1.00	0.95
CG5AA	048	1.02	1.01		048	1.00	0.93
F(A,B)4AN(F,B)	042	1.00	1.01	CD3(A,B)A	042	1.00	0.94
	048	1.02	1.02		048	1.00	0.93
FC4BN(F,B)	042	1.00	1.01	CD5A/CD5BA	048	1.00	0.93
	048	1.02	1.02		CE3AA	042	1.01
FC4BNB	054	1.04	1.01	048		1.01	0.95
FC4BNF	038	1.02	1.03	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
FG3AAA	048	1.00	1.00	CC5A/CD5A/CD5BA	042	1.00	0.94
FK4BNB	005	1.05	0.97	CC5A/CD5A/CD5BW	042	1.00	0.95
	006	1.05	0.96		048	1.00	0.93
FK4BNF	003	1.01	0.95	CD3(A,B)A	042	1.00	0.94
FK4CNB	006	1.05	0.96		048	1.00	0.93
FK4CNF	003	1.01	0.95	CD5A/CD5BA	048	1.00	0.93
	005	1.05	0.97		CE3AA	042	1.01
COILS + 58MVP080-14 VARIABLE-SPEED FURNACE				048		1.01	0.95
CC5A/CD5A/CD5BA	042	1.00	0.93	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
CD3(A,B)A	042	1.00	0.93	CC5A/CD5A/CD5BA	042	1.00	0.94
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CC5A/CD5A/CD5BW	042	1.00	0.95
CC5A/CD5A/CD5BA	042	1.00	0.93	048	1.00	0.93	
CD3(A,B)A	042	1.00	0.93	CD3(A,B)A	042	1.00	0.94
	—	—	048		1.00	0.93	
				CD5A/CD5BA	048	1.00	0.93
				CE3AA	042	1.01	0.96
					048	1.01	0.95

See notes on pg. 19.

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‡	
38TKW048-30, 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
CC5A/CD5A/CD5BA	060	1.01	1.00	COILS + 58U(H,X)V080-16 VARIABLE-SPEED FURNACE			
CC5A/CD5A/CD5BC	048	0.98	0.99	CC5A/CD5A/CD5BA	060	0.99	0.97
CC5A/CD5A/CD5BW	048	1.00	1.00	CC5A/CD5A/CD5BW	048	0.98	0.96
	060	1.03	1.00		060	1.02	0.97
CD3(A,B)A	048	1.00	1.00	CD3(A,B)A	048	0.98	0.96
	060	1.01	1.00		060	0.99	0.97
CD3CA	048	0.98	1.00	CD5A/CD5BA	048	1.01	0.96
	060	1.00	1.00		CE3AA	048	0.99
*CD5A/CD5BA	048	1.00	1.00	060		1.02	0.98
CE3AA	048	1.01	1.00	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
	060	1.04	1.01	CC5A/CD5A/CD5BA	060	0.99	0.97
CF5AA	048	1.00	0.99	CC5A/CD5A/CD5BW	048	0.98	0.96
CG5AA	048	1.00	0.99		060	1.02	0.97
F(A,B)4AN(F,B)	048	1.00	1.02	CD3(A,B)A	048	0.98	0.96
	060	1.03	1.04		060	0.99	0.97
FB4ANB	070	1.04	1.02	CD5A/CD5BA	048	0.98	0.96
FC4BN(F,B)	048	1.01	1.02	CE3AA	048	0.99	0.98
	060	1.03	1.04		060	1.02	0.98
FC4BNB	054	1.04	1.02	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
	070	1.04	1.02	CC5A/CD5A/CD5BA	060	0.99	0.97
FG3AAA	048	0.99	1.00	CC5A/CD5A/CD5BW	048	0.98	0.96
	060	1.02	1.00		060	1.02	0.97
FK4BNB	006	1.04	0.97	CD3(A,B)A	048	0.98	0.96
FK4CNB	006	1.04	0.97		060	0.99	0.97
FK4CNF	005	1.02	0.96	CD5A/CD5BA	048	0.98	0.96
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				CE3AA	048	0.99	0.98
CD5A/CD5BA	048	1.01	0.95		060	1.02	0.98

See notes on pg. 19.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F											
		85			95			105			115		
CFM	EWB	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**	Capacity MBtuh†		Total System Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38TKW060-30, 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	39.5	5.24	55.7	38.5	5.72	53.1	37.4	6.25	50.4	36.3	6.80
	62	53.1	47.5	5.14	50.7	46.3	5.61	48.3	45.1	6.12	45.8	43.8	6.66
	57	50.6	50.6	5.09	48.7	48.7	5.56	46.8	46.8	6.08	44.8	44.8	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	41.9	5.36	56.7	40.8	5.84	53.9	39.7	6.37	51.1	38.5	6.92
	62	54.1	50.5	5.25	51.7	49.3	5.73	49.2	47.9	6.24	46.7	46.3	6.79
	57	52.5	52.5	5.22	50.5	50.5	5.70	48.5	48.5	6.22	46.4	46.4	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	43.0	5.42	57.2	41.9	5.90	54.3	40.8	6.43	51.5	39.6	6.98
	62	54.6	51.9	5.31	52.1	50.6	5.79	49.6	49.0	6.30	47.2	47.1	6.85
	57	53.3	53.3	5.28	51.3	51.3	5.77	49.3	49.3	6.29	47.1	47.1	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	44.1	5.48	57.5	43.0	5.96	54.6	41.9	6.49	51.7	40.7	7.04
	62	55.0	53.2	5.37	52.5	51.7	5.84	50.1	50.0	6.36	47.7	47.7	6.92
	57	54.1	54.1	5.35	52.1	52.1	5.83	50.0	50.0	6.36	47.7	47.7	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/CD5BA	060	0.96	0.97	FK4CNB	006	1.01	0.97
CC5A/CD5A/CD5BW	060	1.00	1.00	COILS + 58U(H,X)V100-20 VARIABLE-SPEED FURNACE			
CD3(A,B)A	060	0.96	0.97	CC5A/CD5A/CD5BA	060	0.96	0.98
CD3CA	060	0.96	0.99	CC5A/CD5A/CD5BW	060	0.99	0.99
	070	0.97	0.99	CD3(A,B)A	060	0.96	0.98
CE3AA060	060	1.01	0.99	CE3AA	060	0.99	0.98
F(A,B)4AN(F,B)	060	1.00	1.05	COILS + 58U(H,X)V120-20 VARIABLE-SPEED FURNACE			
FB4ANB	070	1.02	1.03	CC5A/CD5A/CD5BA	060	0.96	0.98
FC4BN(F,B)	060	1.00	1.05	CC5A/CD5A/CD5BW	060	0.99	0.99
FC4BNB	070	1.02	1.03	CD3(A,B)A	060	0.96	0.98
FG3AAA	060	0.99	1.00	CE3AA	060	0.99	0.98
FK4BNB	006	1.01	0.97		—	—	—

* Detailed cooling capacities are based on indoor and outdoor unit at same elevation per ARI standard 210/240-89. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

† Total and sensible capacities are net capacities. Blower motor heat has been subtracted.

‡ Sensible capacities shown are based on 80°F (27°C) entering air at the indoor coil. For sensible capacities at other than 80°F (27°C), deduct 835 Btuh (245 kw) per 1000 CFM (480 L/S) of indoor coil air for each degree below 80°F (27°C), or add 835 Btuh (245 kw) per 1000 CFM (480 L/S) of indoor coil air per degree above 80°F (27°C).

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

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

System Design

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

SERVICE TRAINING

Packaged Service Training programs are an excellent way to increase your knowledge of the equipment discussed in this manual, including:

- Unit Familiarization
- Maintenance
- Installation Overview
- Operating Sequence

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