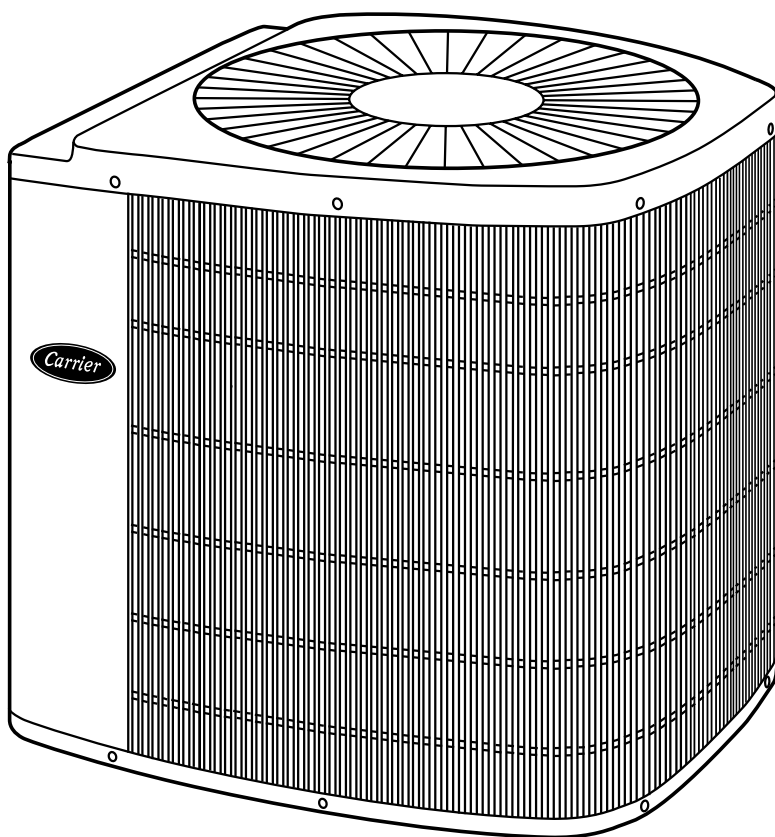




Product Data

38YKC (60 Hz) Deluxe 10 SEER Heat Pump

Sizes 018 thru 060



The 38YKC Outdoor Sections of Split-System Heat Pumps are designed for quiet, reliable heating during the winter and cooling during the summer. These heat pump systems provide economy of operation through energy conservation. These units provide SEER ratings up to 11.7 and HSPF up to 8.5 when used with components designated by Carrier. They transfer heat from outdoor air during the heating season and, by automatically reversing the refrigerant cycle, remove indoor heat and excess humidity during the cooling season. All models are listed with ARI, UL, c-UL, CEC, and CSA-EEV. All models are offered in 208/230v.

FEATURES/BENEFITS

Compressor — Each compressor is mounted on rubber isolators for additional sound reduction. Continuous operation is approved down to -30°F (-34.4°C) in the heating mode and down to 55°F (12.8°C) in the cooling mode. (See heating and cooling performance tables.)

Reliable Standard Features— Includes a suction accumulator that minimizes the amount of liquid refrigerant that reaches the compressor; loss of charge protection; crankcase heater on 018-042 sizes; and defrost board with time/temperature defrost function. All units are equipped with a discharge muffler to minimize gas pulsation in heating mode.

Defrost Control Board — Incorporates a defrost relay, defrost timer, and low-voltage terminations. The defrost control is a time and

temperature initiation/termination control which includes 3 field-selectable time periods of 30, 50, and 90 minutes.

WeatherArmor III System includes three components:

- Casing steel is galvanized and coated with a layer of zinc phosphate. A 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.
- The coil is protected with an enhanced coil guard. With spacing of 3/8-in. and construction of coated

12 gage wire, the guard helps protect from inclement weather (hail), vandalism, and incidental damage.

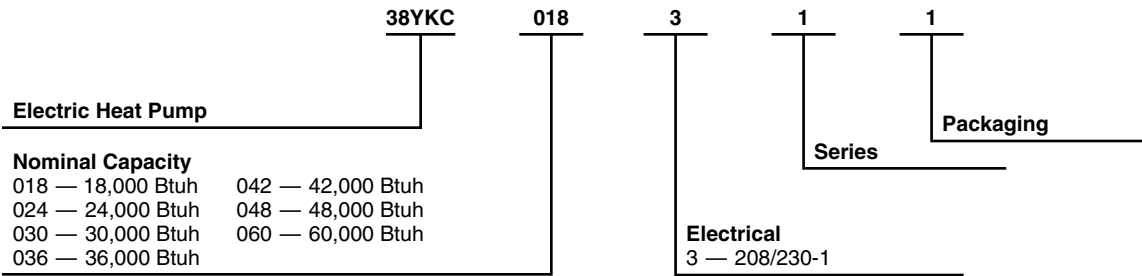
Unit Design — All units are equipped with totally enclosed fan motors for greater reliability under rain and snow conditions. The large, wraparound coil uses copper tubes and enhanced sine wave aluminum fins and is designed for optimum heat transfer during heating and cooling. The vertical air discharge carries the sound and air up and away from adjacent patio areas and foliage. Coil can be cleaned with a common garden hose.

External Service Valves — Both service valves are brass, front seating

type with sweat connections. Each valve has a service port for ease of checking operating refrigerant pressures. Valves are externally located so refrigerant tube connections can be made quickly and easily. A third service port is located on the service panel for ease of checking operating suction pressure in the heating mode.

Warranty — Standard 5-year limited warranty on all parts, with a 10-year limited warranty on compressor.

Model number nomenclature





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



REGISTERED
QUALITY SYSTEM



Physical data

UNIT SIZE	018-32, 33	024-31, 32	030-31, 32	036-32, 33	042-32, 33	048-33, 34	060-32, 33
OPERATING WEIGHT (Lb)	139	165	199	215	229	268	293
COMPRESSOR Manufacturer Type	Reciprocating Copeland				Scroll		
REFRIGERANT Control Charge (Lb)*	4.13	4.38	5.50	R-22 Piston 7.13	8.13	8.81	12.38
CONDENSER FAN Air Discharge Air Qty (CFM) Motor HP Motor RPM (60 Hz)	1500 1/12 1100	1900 1/10 1100	2400 1/8 825	Vertical 3100 1/4 1100	2900 1/4 1100	2900 1/4 1100	3100 1/4 1100
CONDENSER COIL Face Area (Sq Ft) Fins per In. Rows Circuits	8.72 20 1 2	10.99 25 1 2	12.17 20 1 3	18.25 20 1 3	12.17 20 2 4	15.21 20 2 5	18.25 20 2 6
CONNECTION (In. ID) Vapor Liquid	5/8	5/8	3/4	Sweat 3/4 3/8	7/8	7/8	7/8
REFRIGERANT TUBES† (In. OD) Vapor (0–50 Ft Tube Length) Vapor (Max Diameter for Long-Line Applications) Liquid (0–50 Ft Tube Length) Liquid (For Long-Line Applications)	5/8 3/4	5/8 3/4	3/4 7/8	3/4 7/8 3/8 3/8	7/8 1-1/8	7/8 1-1/8	1-1/8 1-1/8

* The factory refrigerant charge is for 15 ft of interconnecting tubing. For tubing lengths over 50 ft horizontal or 20 ft vertical differential, consult the Residential Split-System Long-Line Application Guideline for additional refrigerant requirements.

† Tube sizes are for runs up to 50 ft. For tube sets between 50 and 175 ft, consult the Residential Split-System Long-Line Application Guideline.

NOTE: See unit Installation Instructions for proper installation.

METERING DEVICE

UNIT SIZE	SERIES	OUTDOOR PISTON	INDOOR PISTON*
018	32, 33	43	57
024	31, 32	46	65
030	31, 32	52	70
036	32, 33	61	76
042	32, 33	63	80
048	33, 34	70	86
060	32, 33	78	98

* Piston shipped with outdoor unit and must be installed in approved indoor coil.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE	SERIES	REQUIRED SUBCOOLING (°F)
018	32, 33	15
024	31, 32	15
030	31, 32	15
036	32, 33	15
042	32, 33	15
048	33, 34	15
060	32, 33	15

Accessories

ORDERING NUMBER	DESCRIPTION
KAATD0101TDR	Time-Delay Relay — All Sizes
KSALA0201R22*	Low-Ambient Pressure Switch — All Sizes
32LT660004 (RCD)	MotorMaster® Control — All Sizes
HC34GE232 (RCD)	Ball Bearing Fan Motor — Sizes 018, 024
HC38GE231 (RCD)	Ball Bearing Fan Motor — Size 030
HC40GE232 (RCD)	Ball Bearing Fan Motor — Sizes 036–060
KAAFT0101AAA†	Evaporator Freeze Thermostat — All Sizes
KHAIR0101AAA†	Isolation Relay — All Sizes
KSACY0101AAA	Cycle Protector — Sizes 018–048
Standard	Cycle Protector — Size 060
KSAHS1001AAA	Start Assist — Capacitor and Relay — Sizes 018–030
KSAHS1301AAA	Start Assist — Capacitor and Relay — Sizes 036, 042
KSAHS1601AAA	Start Assist — Capacitor and Relay — Sizes 048, 060
KAACS0201PTC	Start Assist — PTC — All Sizes
Standard	Crankcase Heater — Sizes 018–042, 060
KAACH1201AAA	Crankcase Heater — Sizes 048
KSASH1101COP	Sound Hood — Sizes 018, 024
KSASH1201COP	Sound Hood — Sizes 030, 042
KSASH2101COP	Sound Hood — Sizes 048, 060
Standard	Sound Hood — Size 036
KHAOT0301FST	Outdoor Thermostat — All Sizes
KHAOT0201SEC	Secondary Outdoor Thermostat — All Sizes
KHASA0101AAA‡	Service Alarm — All Sizes
KHAIC0101AAA	Interface Control (Optimizer II®) — All Sizes
KSATX0601HSO	Bi-Flow TXV (Hard Shutoff) — Size 018–042
KSATX0701HSO	Bi-Flow TXV (Hard Shutoff) — Size 048, 060
KHAHI0101HPS	High-Pressure Switch — All Sizes
P504-8083S (RCD)	Filter Drier — Bi-Flow — Sizes 018–036
P504-8163S (RCD)	Filter Drier — Bi-Flow — Sizes 042–060
KHALS0401LLS	Liquid-Line Solenoid Valve — All Sizes
KAACF0701SML	Coastal Filter—Sizes 018, 024
KAACF0801MED	Coastal Filter—Sizes 030–060
KSASF0101AAA	Support Feet — 4 in. (4) — All Sizes
KHASS0106MPK	Snow Stand — Sizes 018, 024
KHASS0206MPK	Snow Stand — Sizes 030–060

* Isolation relay required.

† Consult low-ambient controller Installation Instructions for application.

‡ For indicator light function, thermostat specified must be used and wired according to service alarm Installation Instructions.

THERMOSTAT/SUBBASE PKG	DESCRIPTION
TSTATCCNHP01-B	Thermostat — Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATCCPHP01-B	Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool
TSTATCCBHP01*	Builder's Thermostat — Heat Pump, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool, Manual Changeover
TSTATXXSEN01**	Outdoor Air Temperature Sensor
TSTATCCPDF01-B*	Dual Fuel Thermostat — Auto Changeover, 7-Day Programmable, °F/°C, Includes Outdoor Sensor (TSTATXXSEN01)
TSTATCCPRH01-B*	Thermidistat™ Control — Non-Programmable/Programmable Thermostat with Humidity Control (For use in Dual Fuel, AC, HP, and 2S applications. Includes Outdoor Air Temperature Sensor.)
TSTATXXNBP01†	Backplate for Non-Programmable Thermostat
TSTATXXBP01†	Backplate for Programmable Thermostat and Thermidistat™ Control
TSTATXXBBP01†	Backplate for Builder's Thermostat
TSTATXXCNV10‡	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

* Do not use in zoning heat pump applications.

† This plate is designed to cover surrounding wall area located behind thermostat.

‡ Thermostat conversion kit is a 24-vac accessory that can turn a 4-wire thermostat application into a 5-wire application. This kit can also be used to replace a broken thermostat wire, or add an extra wire when needed.

** Outdoor temperature sensor is an accessory for all Carrier electronic thermostats, except the non-programmable air conditioner version and builder's thermostats. It allows the temperature at a remote location (outdoors) to be displayed on the thermostat.

The outdoor air temperature sensor *must be used* with the dual fuel thermostat.

The outdoor air temperature sensor is included with the Thermidistat Control and dual fuel thermostat.

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT APPLICATIONS (BELOW 55°F)	REQUIRED FOR LONG-LINE APPLICATIONS* (OVER 50 FT)
Crankcase Heater	Yes	Yes
Evaporator Freeze Thermostat	Yes	No
Compressor Start Assist Capacitor and Relay	Yes	Yes
MotorMaster® Control or Low-Ambient Pressure Switch	Yes	No
Wind Baffle	Yes	No
Unit Risers	Recommended	No
Liquid-Line Solenoid Valve or Hard Shutoff TXV	No	See Long-Line Application Guideline
Ball Bearing Fan Motor	Yes‡	No
Isolation Relay	Yes	No

* For tubing line sets between 50 and 175 ft horizontal or 20 ft vertical differential, refer to the Residential Split-System Long-Line Application Guideline.

‡ Required for low-ambient controller (full modulation feature) and MotorMaster Control only.

Accessory description and usage (Listed alphabetically)

1. Ball Bearing Fan Motor

A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

SUGGESTED USE: Required on all units where Low-Ambient Controller (full modulation feature) or MotorMaster® Control has been added.

2. Compressor Start Assist — Capacitor and Relay

Start capacitor and start relay which gives hard boost to 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 shutoff expansion valve on indoor coil and reciprocating compressor.
Installations where Liquid-Line Solenoid Valve has been added.
Units installed with Low-Ambient Controller.

3. Compressor Start Assist — PTC

Solid state electrical device which gives a soft boost to compressor at each start-up.

SUGGESTED USE: Installations with marginal power supply.
Replacement installations with undersized interconnecting refrigerant tubes.

4. Crankcase Heater

An electric resistance heater which mounts to the base of the compressor to keep the lubricant warm during off cycles. Improves compressor lubrication on restart and minimizes chance of refrigerant slugging. May or may not include a thermostat control.

SUGGESTED USE: When interconnecting tube length exceeds 50 ft.
When unit will be operated below 55°F (12.8°C) outdoor air temperature. Use with Low-Ambient Controller.
All commercial installations.

5. Cycle Protector

Solid-state timing device which prevents compressor rapid recycling. Control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including normal room thermostat cycling.

SUGGESTED USE: Installations in areas where power interruptions are frequent.
Where user is likely to “play” with room thermostat.
All commercial installations.
Installations where interconnecting tube length exceeds 50 ft.
High-rise applications.

6. Evaporator Freeze Thermostat

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

SUGGESTED USE: All units where Low-Ambient Controller has been added.

7. Filter Drier — Bi-Flow

A device for removing contaminants from refrigerant circulating in a heat pump system: 2-direction flow.

SUGGESTED USE: All field-connected split-system heat pumps.

8. 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 426 ± 7 psig and resets at 320 ± 20 psig. Provides protection against compressor damage due to loss of outdoor airflow. To prevent rapid compressor recycling, compressor Cycle Protector 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).

9. Interface Control (Optimizer II)

An electric control for controlling a heat pump and gas or oil furnace system for maximum energy savings. It allows heat pump to operate down to a predetermined economic balance point temperature, then switches to allow furnace operation only below that temperature. Requires outdoor thermostat to be adjusted for economic balance point temperature.

SUGGESTED USE: Required for all heat pump and gas- or oil-fired furnace combination systems unless Dual Fuel Thermostat or Thermidistat Control is used.

10. Isolation Relay

An SPDT relay which switches the Low-Ambient Controller out of the outdoor fan motor circuit when the heat pump switches to heating mode.

SUGGESTED USE: All heat pumps where Low-Ambient Controller has been added.

11. Liquid-Line 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.

Note: Compressor Start Assist — Capacitor and Relay must also be used on units with reciprocating compressors.

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

Accessory description and usage (Listed alphabetically) continued

12. Low-Ambient Pressure Switch

A long life pressure switch which is mounted to outdoor unit service valve. It is designed to cycle the outdoor fan motor in order to maintain head pressure within normal operating limits (approximately 100 psig to 225 psig). The control maintains working head pressure at low-ambient temperatures down to 0°F (17.8°C) when properly installed.

NOTE: Isolation Relay must also be used.

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

13. MotorMaster® Control

A fan speed control device activated by a temperature sensor. Designed to control condenser fan motor speed in response to the saturated, condensing temperature during operation in cooling mode only. For outdoor temperatures down to -20°F (-29°C), it maintains condensing temperature at 100°F ± 10°F (37.7°C ± 5.6°C).

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

All commercial installations.

14. Outdoor Air Temperature Sensor

A device that allows the temperature at a remote location (outdoors) to be displayed at the thermostat.

SUGGESTED USE: All corporate programmable thermostats.

15. Outdoor Thermostat

An SPDT temperature actuated switch which turns on supplemental electric heaters when outdoor air temperature drops below set point.

SUGGESTED USE: Heat pump installations with multiple-stage supplemental heaters.

16. Secondary Outdoor Thermostat

An SPDT temperature actuated switch which turns on a third stage of supplemental electric heaters when outdoor air temperature drops below the second-stage set point.

SUGGESTED USE: Heat pump installations where 3-stage operation of supplemental heaters is desired.

17. Service Alarm

A current-sensing lockout relay which provides immediate notification that compressor is not operating during a call for heating or cooling. Used with proper room thermostat, a thermostat indicator is turned on signifying service is required. This can minimize electrical cost increase due to operation of supplemental heaters only.

SUGGESTED USE: As a feature to notify owner immediately when the system is not operating most efficiently.

18. Snow Stand

Coated wire rack which supports unit 18 in. above mounting pad to allow for drainage from unit base.

SUGGESTED USE: Heat pump installations in heavy snowfall areas.

Heat pump installations in snowdrift locations.

Heat pump installations in areas of prolonged subfreezing temperatures.

All commercial installations.

19. Sound 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.

20. 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, minimizing corrosion.

SUGGESTED USE: Coastal installations.

Windy areas or where debris is normally circulating.

Rooftop installations.

21. Thermostatic Expansion Valve (TXV) — Bi-Flow

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.

SUGGESTED USE: For improved system performance in cooling mode for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

Required for use on all zoning systems.

22. 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.

Required for use on all zoning systems.

Electrical data

UNIT SIZE-SERIES	V-PH	OPER VOLTS*		COMPR		FAN FLA	MCA	60°C MIN WIRE SIZE†	75°C MIN WIRE SIZE†	60°C MAX LENGTH (Ft)‡	75°C MAX LENGTH (Ft)‡	MAX FUSE** OR CKT BKR AMPS
		Max	Min	LRA	RLA							
018-32, 33	208/230-1	253	187	49.0	10.4	0.5	13.5	14	14	66	62	20
024-31, 32				61.0	11.2	0.8	14.8	14	14	53	50	25
030-31, 32				84.0	14.4	0.9	19.0	14	14	41	39	30
036-32, 33				96.0	16.2	1.4	21.7	12	12	57	54	30
042-32, 33				102.0	20.9	1.4	27.5	10	10	71	68	40
048-33, 34				137.0	25.3	1.4	33.0	8	10	94	58	50
060-32, 33				169.0	31.1	1.4	40.3	6	8	120	74	60

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

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

The ampacity of non-metallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors per 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).

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

** Time-delay fuse.

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.

FLA — Full Load Amps

LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps

RLA — Rated Load Amps

SOUND RATING (dBA)

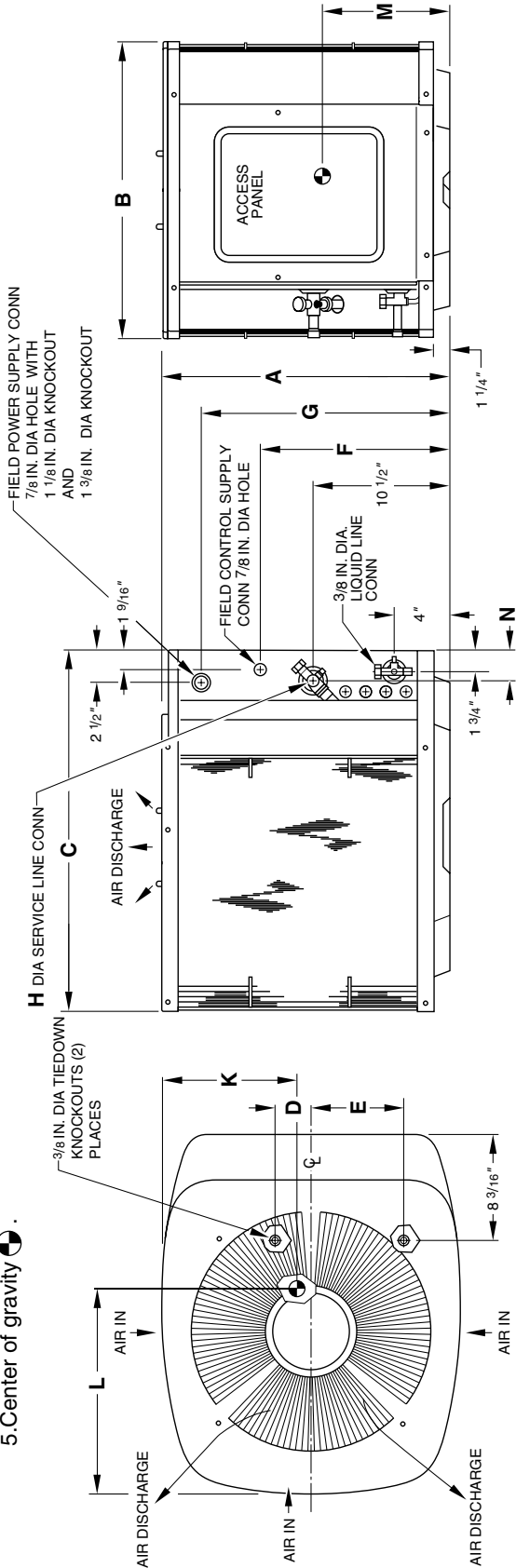
UNIT SIZE-SERIES	AS SHIPPED	WITH ACCESSORY SOUND HOOD
018-32, 33	76	75
024-31, 32	78	76
030-31, 32	78	76
036-32, 33	78	N/A
042-32, 33	80	78
048-33, 34	78	76
060-32, 33	80	76

N/A — Not Applicable: Sound Hood is standard equipment.

Dimensions

NOTES:

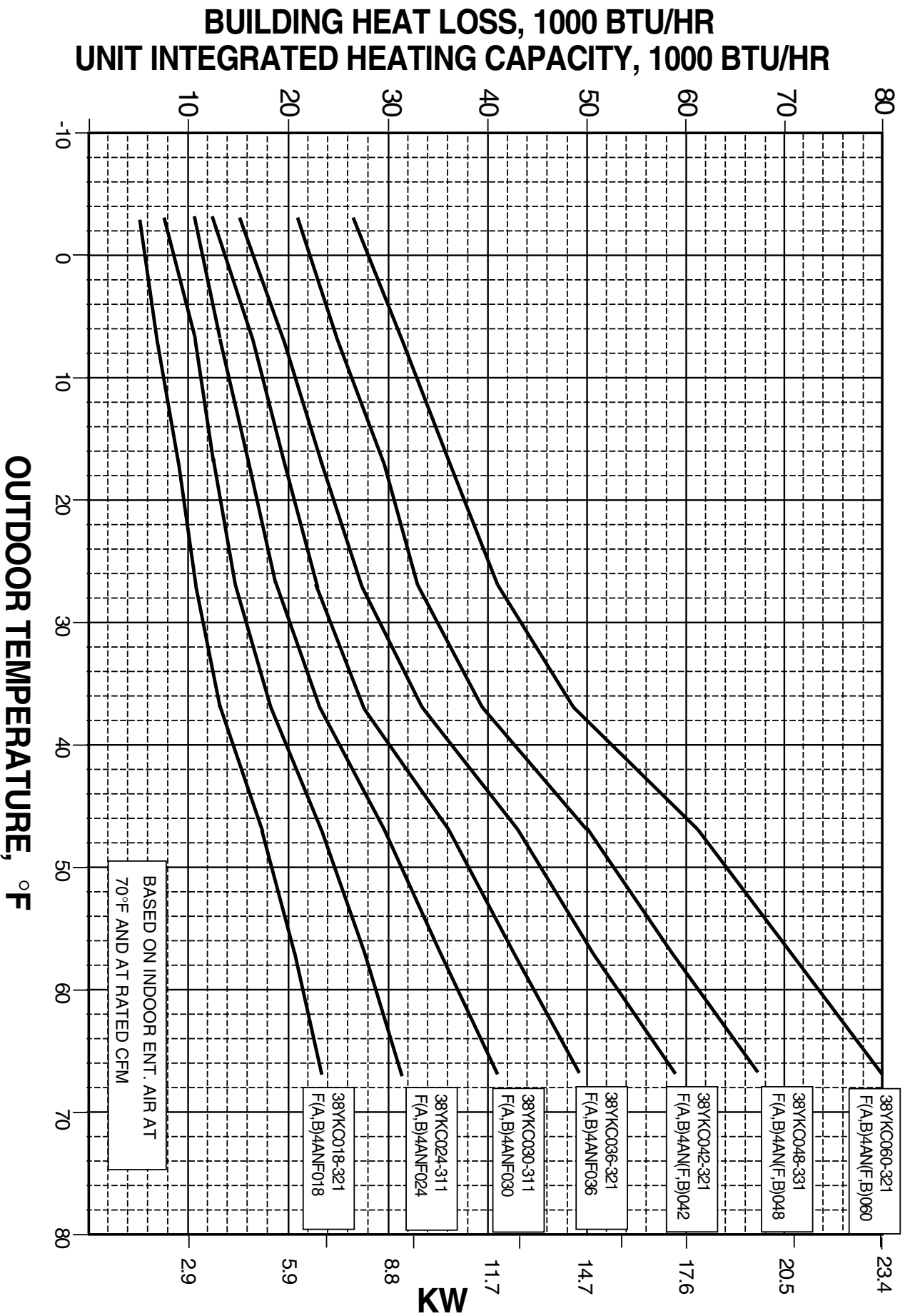
- 1.Allow 30 in. clearance to service side of unit, 48 in. above unit, 6 in. on one side, 12 in. on remaining side, and 24 in. between units for proper airflow.
- 2.Minimum outdoor operating ambient in cooling mode is 55°F (unless low ambient control is used) max 125°F.
- 3.Maximum outdoor operating ambient in heating mode is 66°F.
- 4.Series designation is the 13th position of the unit model number.
- 5.Center of gravity



DIMENSIONS (In.)

UNIT SIZE	SERIES	UNIT DIMENSIONS													MINIMUM MOUNTING PAD DIMENSIONS		
		A	B	C	D	E	F	G	H	K	L	M	N	Support Feet	Snow Stand		
018	32, 33	25-7/8	22-1/2	27-1/2	2-13/16	6-15/16	15-1/2	21-7/8	5/8	12	13-3/4	9-3/4	2-3/8	20 x 27	24 x 28		
024	31, 32	31-7/8	22-1/2	27-1/2	2-13/16	6-15/16	21-1/2	27-7/8	5/8	12	13-3/4	12	2-3/8	20 x 27	24 x 28		
030	31, 32	25-7/8	30	34-15/16	4	9-3/4	15-1/2	21-7/8	3/4	15-3/4	19	9-1/2	2-15/16	26 x 32	31 x 35		
036	32, 33	37-7/8	30	34-15/16	4	9-3/4	27-1/2	33-7/8	3/4	15-3/4	19	15-1/2	2-15/16	26 x 32	31 x 35		
042	32, 33	25-7/8	30	34-15/16	4	9-3/4	15-1/2	21-7/8	7/8	15-3/4	19	9-1/2	2-15/16	26 x 32	31 x 35		
048	33, 34	31-7/8	30	34-15/16	4	9-3/4	21-1/2	27-7/8	7/8	14-1/8	19	14	2-15/16	26 x 32	31 x 35		
060	32, 33	37-7/8	30	34-15/16	4	9-3/4	27-1/2	33-7/8	7/8	14-1/8	19-1/2	15-1/2	2-15/16	26 x 32	31 x 35		

38YKC BALANCE POINT WORKSHEET



Combination ratings

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
		TC	Factory Supplied Enhance- ment	Standard Rating	SEER		EER	High-Temp		Low-Temp		HSPF
					TDR†	TXV						
018-32, 33	F(A,B)4AN(F,C)018**	17,000	TDR	10.10	—	10.10	9.10	17,500	3.08	10,100	2.04	6.80
	CC5A/CD5AA018	17,000	NONE	—	10.00	10.00	9.05	17,500	3.12	10,100	2.02	6.80
	CC5A/CD5AA024	17,500	NONE	—	10.50	10.50	9.25	18,000	3.12	10,300	2.06	6.80
	CC5A/CD5AW024	17,500	NONE	—	10.50	10.50	9.25	18,000	3.12	10,300	2.06	6.80
	CE3AA024	17,500	NONE	—	10.50	10.50	9.35	18,000	3.16	10,400	2.08	7.00
	CF5AA024	17,500	NONE	—	10.50	10.50	9.30	18,000	3.16	10,400	2.06	7.00
	CK3BA024	17,500	NONE	—	10.50	10.50	9.40	18,000	3.26	10,500	2.12	7.00
	CK5A/CK5BA018	17,000	NONE	—	10.00	10.00	9.20	17,500	3.14	10,400	2.06	6.80
	CK5A/CK5BA024	17,500	NONE	—	10.50	10.50	9.40	18,000	3.26	10,500	2.12	7.00
	CK5A/CK5BW024	17,500	NONE	—	10.50	10.50	9.40	18,000	3.26	10,500	2.12	7.00
	F(A,B)4AN(F,C)024	17,500	TDR	10.50	—	10.50	9.45	18,000	3.24	10,400	2.10	7.00
	FC4BNF024	17,500	TDR & TXV	10.50	—	—	9.40	18,000	3.24	10,400	2.10	7.00
	FF1DNA018	17,000	TDR	10.50	—	10.50	9.35	17,500	3.14	10,000	2.08	6.80
	FF1DNA024	17,500	TDR	10.50	—	10.50	9.35	18,000	3.22	10,500	2.10	7.00
	FG3AAA024	17,500	NONE	—	10.50	10.50	9.20	18,000	3.10	10,300	2.06	6.80
	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE											
	CC5A/CD5AA024	18,000	TDR	11.5	—	11.5	10.15	16,400	3.22	9,700	2.16	7
	CC5A/CD5AW024	18,000	TDR	11.5	—	11.5	10.15	16,400	3.28	9,500	2.16	7
	CE3AA024	18,000	TDR	11.5	—	11.5	10.15	17,000	3.24	9,500	2.18	7
	CK3BA024	18,000	TDR	11.5	—	11.5	10.25	16,800	3.44	9,900	2.22	7.2
	CK5A/CK5BA024	18,000	TDR	11.5	—	11.5	10.25	16,800	3.44	9,900	2.22	7.2
	CK5A/CK5BW024	18,000	TDR	11.5	—	11.5	10.25	16,800	3.44	9,900	2.22	7.2
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE											
	CC5A/CD5AW024	18,000	TDR	11.50	—	11.50	10.20	18,000	3.42	10,200	2.24	7.20
	CK5A/CK5BW024	18,000	TDR	11.50	—	11.50	10.20	18,000	3.42	10,200	2.24	7.20
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE											
	CC5A/CD5AW024	18,000	TDR	11.50	—	11.50	10.25	18,000	3.44	10,100	2.24	7.20
	CK5A/CK5BW024	18,000	TDR	11.50	—	11.50	10.25	18,000	3.44	10,100	2.24	7.20
024-31, 32	F(A,B)4AN(F,C)024**	23,400	TDR	10.40	—	10.40	9.10	23,400	3.08	13,700	2.12	7.00
	CC5A/CD5AA024	23,400	NONE	—	10.50	10.50	9.05	23,000	3.00	13,500	2.08	6.80
	CC5A/CD5AW024	23,400	NONE	—	10.50	10.50	9.05	23,000	3.00	13,500	2.08	6.80
	CC5A/CD5AA030	23,600	NONE	10.00	10.50	10.50	9.15	23,000	3.00	13,500	2.10	6.80
	CC5A/CD5AW030	23,600	NONE	10.00	10.50	10.50	9.15	23,000	3.00	13,500	2.10	6.80
	CE3AA024	23,600	NONE	—	10.40	10.40	9.15	23,200	3.04	13,600	2.10	6.80
	CE3AA030	23,800	NONE	—	10.50	10.50	9.20	23,600	3.10	13,700	2.12	7.00
	CF5AA024	23,400	NONE	—	10.30	10.30	9.10	23,200	3.04	13,600	2.10	6.80
	CK3BA024	23,200	NONE	—	10.30	10.30	9.05	23,600	3.10	13,800	2.14	7.00
	CK3BA030	23,800	NONE	—	10.40	10.40	9.20	23,400	3.06	13,800	2.14	7.00
	CK5A/CK5BA024	23,200	NONE	—	10.30	10.30	9.05	23,600	3.10	13,800	2.14	7.00
	CK5A/CK5BA030	23,800	NONE	—	10.40	10.40	9.20	23,400	3.06	13,800	2.14	7.00
	CK5A/CK5BW024	23,200	NONE	—	10.30	10.30	9.05	23,600	3.10	13,800	2.14	7.00
	CK5A/CK5BW030	23,800	NONE	—	10.40	10.40	9.20	23,400	3.06	13,800	2.14	7.00
	F(A,B)4AN(F,C)030	24,000	TDR	10.50	—	10.50	9.30	23,400	3.10	13,600	2.14	7.00
	FC4BNF024	23,400	TDR & TXV	10.40	—	—	9.15	23,400	3.08	13,700	2.12	7.00
	FC4BNF030	24,000	TDR & TXV	10.50	—	—	9.35	23,400	3.10	13,600	2.14	7.00
	FF1BNA024	23,400	TDR	10.30	—	10.30	9.05	23,600	3.08	13,700	2.12	7.00
	FF1BNA030	24,000	TDR	10.50	—	10.50	9.20	23,600	3.12	13,800	2.14	7.00
	FG3AAA024	23,000	NONE	—	10.00	10.00	9.00	23,000	2.98	13,500	2.08	6.80
	FK4CNF001	24,000	TDR & TXV	11.50	—	—	10.20	22,600	3.26	13,100	2.26	7.20
	40FKA/FK4CNF002	24,000	TDR & TXV	11.50	—	—	10.25	22,800	3.34	13,200	2.30	7.50
	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE											
	CC5A/CD5AA024	23,000	TDR	11.2	—	11.2	9.7	22,200	3.08	12,700	2.16	7
	CC5A/CD5AW024	23,000	TDR	11.2	—	11.2	9.7	22,200	3.08	12,700	2.16	7
	CE3AA024	23,000	TDR	11	—	11	9.8	22,400	3.1	12,800	2.2	7
	CE3AA030	23,800	TDR	11	—	11	9.9	22,000	3.2	13,000	2.22	7.2
	CK3BA024	23,000	TDR	11.2	—	11.2	9.8	23,000	3.24	13,100	2.24	7.2
	CK5A/CK5BA024	23,000	TDR	11.2	—	11.2	9.8	23,000	3.24	13,100	2.24	7.2
	CK5A/CK5BW024	23,000	TDR	11.2	—	11.2	9.8	23,000	3.24	13,100	2.24	7.2
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE											
	CK3BA030	24,200	TDR	11.20	—	11.20	9.90	22,800	3.20	13,300	2.24	7.20
	CK5A/CK5BW030	24,200	TDR	11.20	—	11.20	9.90	22,800	3.20	13,300	2.24	7.20
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE											
	CK3BA024	23,400	TDR	11.00	—	11.00	9.65	23,000	3.22	13,300	2.22	7.20
	CK3BA030	24,200	TDR	11.20	—	11.20	9.90	22,800	3.20	13,300	2.24	7.20
	CK5A/CK5BW024	23,400	TDR	11.00	—	11.00	9.65	23,000	3.22	13,300	2.22	7.20
	CK5A/CK5BW030	24,200	TDR	11.20	—	11.20	9.90	22,800	3.20	13,300	2.24	7.20
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE											
	CK3BA024	23,600	TDR	11.20	—	11.20	9.85	22,800	3.26	13,200	2.26	7.20
	CK3BA030	24,200	TDR	11.50	—	11.50	10.05	22,800	3.24	13,200	2.26	7.20
	CK5A/CK5BW024	23,600	TDR	11.20	—	11.20	9.85	22,800	3.26	13,200	2.26	7.20
	CK5A/CK5BW030	24,200	TDR	11.50	—	11.50	10.05	22,800	3.24	13,200	2.26	7.20
030-31, 32	F(A,B)4AN(F,C)030**	29,400	TDR	10.50	—	10.50	9.25	29,600	3.20	17,500	2.26	7.20
	CC5A/CD5AA030	29,200	NONE	—	10.50	10.50	9.15	29,200	3.10	17,400	2.20	7.20
	CC5A/CD5AW030	29,200	NONE	—	10.50	10.50	9.15	29,200	3.10	17,400	2.20	7.20
	CE3AA030	29,400	NONE	—	10.50	10.50	9.20	29,800	3.20	17,600	2.24	7.20
	CE3AA036	30,000	NONE	10.00	10.50	10.50	9.30	29,800	3.20	17,600	2.26	7.20

See notes on pg. 15.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*											
		Cooling						Heating					
		TC	Factory Supplied Enhance- ment	Standard Rating	SEER		EER	High-Temp		Low-Temp		HSPF	
					TDR†	TXV		TC	COP	TC	COP		
030-31, 32	CF5AA036	30,000	NONE	10.00	10.50	10.50	9.35	30,000	3.24	17,600	2.26	7.20	
	CK3BA030	29,400	NONE	—	10.50	10.50	9.20	29,600	3.16	17,600	2.26	7.20	
	CK3BA036	30,000	NONE	10.00	10.50	10.50	9.40	30,000	3.28	17,800	2.30	7.50	
	CK5A/CK5BA030	29,400	NONE	—	10.50	10.50	9.20	29,600	3.16	17,600	2.26	7.20	
	CK5A/CK5BA036	30,000	NONE	10.00	10.50	10.50	9.40	30,000	3.28	17,800	2.30	7.50	
	CK5A/CK5BN036	30,000	NONE	10.00	10.50	10.50	9.40	30,000	3.28	17,800	2.30	7.50	
	CK5A/CK5BW030	29,400	NONE	—	10.50	10.50	9.20	29,600	3.16	17,600	2.26	7.20	
	CK5A/CK5BW036	30,000	NONE	10.00	10.50	10.50	9.40	30,000	3.28	17,800	2.30	7.50	
	F(A,B)4AN(F,C)036	29,800	TDR	10.50	—	10.50	9.15	30,000	3.20	17,800	2.24	7.20	
	FC4BNF030	29,400	TDR & TXV	10.50	—	—	9.30	29,600	3.20	17,500	2.26	7.20	
	FC4BNF036	29,800	TDR & TXV	10.50	—	—	9.15	30,000	3.20	17,800	2.24	7.20	
	FF1BNA030	29,600	TDR	10.50	—	10.50	9.15	30,000	3.22	17,700	2.24	7.20	
	FK4BNF001	30,000	TDR & TXV	11.00	—	—	9.70	29,800	3.32	17,500	2.32	7.50	
	FK4BNF002	30,000	TDR & TXV	11.00	—	—	9.70	30,200	3.42	17,700	2.34	7.50	
	FK4BNF003	30,000	TDR & TXV	11.50	—	—	10.25	29,000	3.44	17,000	2.42	7.50	
	FK4CNF001	29,400	TDR & TXV	11.50	—	—	10.05	28,800	3.32	16,900	2.36	7.50	
	40FKA/FK4CNF002	29,600	TDR & TXV	11.50	—	—	10.05	29,200	3.42	17,000	2.40	7.50	
	40FKA/FK4CNF003	30,000	TDR & TXV	11.70	—	—	10.35	28,800	3.42	16,800	2.42	7.50	
	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE												
	CC5A/CD5AA030	28,600	TDR	11	—	11	9.7	27,600	3.14	16,500	2.28	7.2	
	CC5A/CD5AW030	28,600	TDR	11	—	11	9.75	27,600	3.14	16,500	2.28	7.2	
	CK3BA030	28,600	TDR	11	—	11	9.75	28,200	3.22	16,800	2.32	7.2	
	CK5A/CK5BA030	28,600	TDR	11	—	11	9.7	28,200	3.22	16,800	2.32	7.2	
	CK5A/CK5BW030	28,600	TDR	11	—	11	9.75	28,200	3.22	16,800	2.32	7.2	
	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE												
	CC5A/CD5AA030	28,600	TDR	11	—	11	9.85	27,600	3.16	16,400	2.3	7.2	
	CC5A/CD5AW030	28,600	TDR	11	—	11	9.85	27,600	3.16	16,400	2.3	7.2	
	CE3AA030	29,000	TDR	11	—	11	9.9	28,200	3.28	16,500	2.34	7.2	
	CK3BA030	29,000	TDR	11	—	11	9.85	28,000	3.24	16,700	2.34	7.2	
	CK5A/CK5BA030	29,000	TDR	11	—	11	9.85	28,000	3.24	16,700	2.34	7.2	
	CK5A/CK5BW030	29,000	TDR	11	—	11	9.85	28,000	3.24	16,700	2.34	7.2	
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE												
	CK3BA030	29,400	TDR	11.00	—	11.00	9.60	29,200	3.24	17,200	2.30	7.20	
	CK3BA036	30,400	TDR	11.20	—	11.20	9.95	29,600	3.38	17,300	2.38	7.50	
	CK5A/CK5BW030	29,400	TDR	11.00	—	11.00	9.60	29,200	3.24	17,200	2.30	7.20	
	CK5A/CK5BW036	30,400	TDR	11.20	—	11.20	9.95	29,600	3.38	17,300	2.38	7.50	
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE												
	CK3BA030	29,400	TDR	11.00	—	11.00	9.60	29,200	3.24	17,200	2.32	7.20	
	CK3BA036	30,400	TDR	11.20	—	11.20	9.90	29,600	3.38	17,400	2.38	7.50	
	CK5A/CK5BW030	29,400	TDR	11.00	—	11.00	9.60	29,200	3.24	17,200	2.32	7.20	
	CK5A/CK5BA036	30,400	TDR	11.20	—	11.20	9.90	29,600	3.38	17,400	2.38	7.50	
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE												
	CK3BA030	29,400	TDR	11.00	—	11.00	9.70	29,000	3.26	17,200	2.32	7.20	
	CK3BA036	30,400	TDR	11.50	—	11.50	10.00	29,400	3.40	17,300	2.38	7.50	
	CK5A/CK5BW030	29,400	TDR	11.00	—	11.00	9.70	29,000	3.26	17,200	2.32	7.20	
	CK5A/CK5BW036	30,400	TDR	11.50	—	11.50	10.00	29,400	3.40	17,300	2.38	7.50	
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE												
	CK3BA030	29,600	TDR	11.20	—	11.20	9.90	29,000	3.30	17,000	2.36	7.50	
	CK3BA036	30,600	TDR	11.50	—	11.50	10.15	29,400	3.44	17,200	2.42	7.50	
	CK5A/CK5BW030	29,600	TDR	11.20	—	11.20	9.90	29,000	3.30	17,000	2.36	7.50	
	CK5A/CK5BW036	30,600	TDR	11.50	—	11.50	10.15	29,400	3.44	17,200	2.42	7.50	
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE												
	CK3BA036	30,600	TDR	11.50	—	11.50	10.15	29,400	3.42	17,200	2.40	7.50	
	CK5A/CK5BW036	30,600	TDR	11.50	—	11.50	10.15	29,400	3.42	17,200	2.40	7.50	
036-32, 33	F(A,B)4AN(F,C)036**	35,400	TDR	10.00	—	10.00	9.25	36,000	3.08	21,400	2.22	7.20	
	CC5A/CD5AA036	36,000	NONE	—	10.50	10.50	9.55	35,800	3.12	21,200	2.26	7.20	
	CC5A/CD5AA042	36,000	NONE	—	10.50	10.50	9.55	36,000	3.14	21,200	2.26	7.20	
	CC5A/CD5AW042	35,800	NONE	—	10.50	10.50	9.45	35,800	3.10	21,200	2.24	7.20	
	CC5A/CD5AA043	36,000	NONE	—	10.50	10.50	9.50	35,800	3.12	21,200	2.26	7.20	
	CC5A/CD5AW043	36,000	NONE	—	10.50	10.50	9.50	35,800	3.12	21,200	2.26	7.20	
	CD5AW036	36,000	NONE	—	10.50	10.50	9.55	35,800	3.12	21,200	2.26	7.20	
	CE3AA036	35,600	NONE	—	10.50	10.50	9.45	35,400	3.08	21,000	2.24	7.20	
	CE3AA042	36,000	NONE	—	10.50	10.50	9.60	36,200	3.18	21,400	2.28	7.20	
	CF5AA036	36,000	NONE	—	10.50	10.50	9.50	35,800	3.12	21,200	2.26	7.20	
	CK3BA036	36,000	NONE	—	10.50	10.50	9.55	36,000	3.16	21,400	2.28	7.20	
	CK3BA042	36,000	NONE	—	10.50	10.50	9.55	36,000	3.18	21,600	2.28	7.20	
	CK5A/CK5BA036	36,000	NONE	—	10.50	10.50	9.55	36,000	3.16	21,400	2.28	7.20	
	CK5A/CK5BA042	36,000	NONE	—	10.50	10.50	9.55	36,000	3.18	21,600	2.28	7.20	
	CK5A/CK5BN036	35,000	NONE	—	10.50	10.50	9.60	35,000	3.10	20,800	2.28	7.20	
	CK5A/CK5BN042	36,000	NONE	—	10.50	10.50	9.55	36,000	3.18	21,600	2.28	7.20	
	CK5A/CK5BW036	36,000	NONE	—	10.50	10.50	9.55	36,000	3.16	21,400	2.28	7.20	
	F(A,B)4AN(F,B,C)042	36,000	TDR	10.50	—	10.50	9.50	36,200	3.14	21,400	2.26	7.20	
	FC4BNF036	35,400	TDR & TXV	10.00	—	—	9.25	36,000	3.08	21,400	2.22	7.20	
	FC4BN(F,B)042	36,000	TDR & TXV	10.50	—	—	9.50	36,200	3.14	21,400	2.26	7.20	
	FG3AAA036	35,400	NONE	—	10.50	10.50	9.40	35,600	3.08	21,200	2.24	7.20	
	FK4BNF001	35,600	TDR & TXV	10.50	—	—	9.70	35,400	3.16	21,000	2.28	7.20	

See notes on pg. 15.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
		TC	SEER				EER	High-Temp		Low-Temp		HSPF
			Factory Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory‡							
TDR†	TXV				TC	COP		TC	COP			
036-32, 33	FK4BNF002	35,600	TDR & TXV	10.50	—	—	9.65	36,000	3.22	21,200	2.30	7.50
	FK4BNF003	36,000	TDR & TXV	11.50	—	—	10.25	35,200	3.28	20,600	2.38	7.50
	FK4BNF004	36,000	TDR & TXV	11.00	—	—	10.05	36,400	3.38	21,200	2.40	7.80
	FK4CNF001	35,200	TDR & TXV	11.00	—	—	9.95	34,600	3.16	20,600	2.32	7.20
	40FKA/FK4CNF002	35,400	TDR & TXV	11.00	—	—	9.95	35,200	3.24	20,800	2.36	7.50
	40FKAFK4CNF003	36,000	TDR & TXV	11.50	—	—	10.40	34,600	3.26	20,400	2.40	7.50
	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE											
	CE3AA042	36,000	TDR	11.2	—	11.2	10.05	34,600	3.22	20,400	2.34	7.4
	CK5A/CK5BE042	36,000	TDR	11	—	11	10.1	35,000	3.26	20,600	2.36	7.5
	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE											
	CC5A/CD5AA042	35,600	TDR	11.5	—	11.5	10.2	34,200	3.2	20,000	2.36	7.4
	CE3AA042	36,000	TDR	11.2	—	11.2	10.3	34,600	3.24	20,400	2.38	7.5
	CK3BA042	36,000	TDR	11.2	—	11.2	10.2	34,600	3.26	20,400	2.38	7.5
	CK5A/CK5BA042	36,000	TDR	11.2	—	11.2	10.2	34,600	3.26	20,400	2.38	7.5
	CK5A/CK5BE042	36,000	TDR	11.5	—	11.5	10.25	34,800	3.3	20,400	2.38	7.5
	CK5A/CK5BT042	36,000	TDR	11.2	—	11.2	10.2	34,600	3.26	20,400	2.38	7.5
	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE											
	CC5A/CD5AA042	36,000	TDR	11.5	—	11.5	10.35	34,200	3.22	20,000	2.38	7.4
	CC5A/CD5AW042	35,400	TDR	11.5	—	11.5	10.25	34,000	3.2	19,800	2.36	7.2
	CE3AA042	36,000	TDR	11.5	—	11.5	10.35	34,400	3.26	20,200	2.38	7.5
	CK3BA042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	CK5A/CK5BA042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	CK5A/CK5BT042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE											
	CC5A/CD5AA042	35,800	TDR	11.5	—	11.5	10.25	34,200	3.22	20,000	2.36	7.4
	CC5A/CD5AW042	35,600	TDR	11.5	—	11.5	10.2	34,200	3.18	19,900	2.34	7.2
	CE3AA042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.24	20,200	2.38	7.5
	CK3BA042	36,000	TDR	11.5	—	11.5	10.25	34,600	3.26	20,200	2.38	7.5
	CK5A/CK5BA042	36,000	TDR	11.5	—	11.5	10.25	34,600	3.26	20,200	2.38	7.5
	CK5A/CK5BT042	36,000	TDR	11.5	—	11.5	10.25	34,600	3.26	20,200	2.38	7.5
	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE											
	CC5A/CD5AA042	35,800	TDR	11.5	—	11.5	10.35	34,200	3.24	19,900	2.38	7.4
	CC5A/CD5AW042	35,600	TDR	11.5	—	11.5	10.3	34,000	3.2	19,800	2.36	7.2
	CE3AA042	36,000	TDR	11.5	—	11.5	10.35	34,400	3.26	20,200	2.4	7.5
	CK3BA042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	CK5A/CK5BA042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	CK5A/CK5BT042	36,000	TDR	11.5	—	11.5	10.3	34,600	3.28	20,200	2.4	7.5
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE											
	CK3BA036	36,000	TDR	11.00	—	11.00	9.75	35,800	3.20	21,200	2.32	7.50
	CK3BA042	36,200	TDR	11.00	—	11.00	9.90	35,600	3.22	21,200	2.34	7.50
	CK5A/CK5BW036	36,000	TDR	11.00	—	11.00	9.75	35,800	3.20	21,200	2.32	7.50
	CK5A/CK5BA042	36,200	TDR	11.00	—	11.00	9.90	35,600	3.22	21,200	2.34	7.50
	COILS + 58MVP060-14 VARIABLE SPEED FURNACE											
	CK3BA042	36,200	TDR	11.00	—	11.00	9.90	35,600	3.22	21,200	2.34	7.50
	CK5A/CK5BN042	36,200	TDR	11.00	—	11.00	9.90	35,600	3.22	21,200	2.34	7.50
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE											
	CK3BA036	36,200	TDR	11.00	—	11.00	9.85	35,800	3.22	21,200	2.34	7.50
	CK3BA042	36,200	TDR	11.00	—	11.00	10.00	35,600	3.26	21,000	2.36	7.50
	CK5A/CK5BW036	36,200	TDR	11.00	—	11.00	9.85	35,800	3.22	21,200	2.34	7.50
	CK5A/CK5BA042	36,200	TDR	11.00	—	11.00	10.00	35,600	3.26	21,000	2.36	7.50
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE											
	CK3BA036	36,400	TDR	11.00	—	11.00	10.05	35,600	3.26	21,000	2.36	7.50
	CK3BA042	36,400	TDR	11.20	—	11.20	10.15	35,400	3.28	20,800	2.38	7.50
	CK5A/CK5BW036	36,400	TDR	11.00	—	11.00	10.05	35,600	3.26	21,000	2.36	7.50
	CK5A/CK5BA042	36,400	TDR	11.20	—	11.20	10.15	35,400	3.28	20,800	2.38	7.50
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE											
	CK3BA036	36,400	TDR	11.00	—	11.00	10.05	35,600	3.26	21,000	2.36	7.50
	CK3BA042	36,400	TDR	11.20	—	11.20	10.15	35,400	3.28	20,800	2.38	7.50
	CK5A/CK5BW036	36,400	TDR	11.00	—	11.00	10.05	35,600	3.26	21,000	2.36	7.50
	CK5A/CK5BA042	36,400	TDR	11.20	—	11.20	10.15	35,400	3.28	20,800	2.38	7.50
042-32, 33	F(A,B)4AN(FB,C)042**	42,000	TDR	10.00	—	10.00	9.30	43,000	3.18	25,800	2.30	7.20
	CC5A/CD5AA042	41,500	NONE	—	10.50	10.50	9.40	42,500	3.18	25,600	2.32	7.20
	CC5A/CD5AW042	41,000	NONE	—	10.00	10.00	9.35	42,000	3.16	25,600	2.30	7.20
	CC5A/CD5AA043	41,500	NONE	—	10.00	10.00	9.35	42,500	3.18	25,600	2.30	7.20
	CC5A/CD5AW043	41,500	NONE	—	10.00	10.00	9.35	42,500	3.18	25,600	2.30	7.20
	CC5A/CD5AC048	41,000	NONE	—	10.00	10.00	9.35	42,000	3.12	25,400	2.28	7.20
	CC5A/CD5AW048	41,500	NONE	—	10.00	10.00	9.40	42,500	3.22	25,600	2.32	7.20
	CD5AA048	41,500	NONE	—	10.50	10.50	9.40	42,500	3.22	25,600	2.32	7.20
	CE3AA042	42,000	NONE	—	10.50	10.50	9.45	43,000	3.22	25,800	2.34	7.20
	CE3AA048	42,000	NONE	—	10.50	10.50	9.50	43,000	3.26	25,800	2.34	7.20
	CF5AA048	42,000	NONE	—	10.50	10.50	9.45	42,500	3.20	25,600	2.32	7.20
	CK3BA042	41,500	NONE	—	10.00	10.00	9.40	42,500	3.22	26,000	2.34	7.20
	CK3BA048	42,000	NONE	—	10.50	10.50	9.45	43,000	3.26	26,000	2.36	7.50
	CK5A/CK5BA042	41,500	NONE	—	10.00	10.00	9.40	42,500	3.22	26,000	2.34	7.20

See notes on pg. 15.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*											
		Cooling						Heating					
		TC	Factory Supplied Enhance- ment	Standard Rating	SEER		EER	High-Temp		Low-Temp		HSPF	
					TDR†	TXV		TC	COP	TC	COP		
042-32, 33	CK5A/CK5BA048	42,000	NONE	—	10.50	10.50	9.45	43,000	3.26	26,000	2.36	7.50	
	CK5A/CK5BN042	41,500	NONE	—	10.00	10.00	9.40	42,500	3.22	26,000	2.34	7.20	
	CK5A/CK5BN048	42,000	NONE	—	10.50	10.50	9.45	43,000	3.26	26,000	2.36	7.50	
	CK5A/CK5BW048	42,000	NONE	—	10.50	10.50	9.45	43,000	3.26	26,000	2.36	7.50	
	F(A,B)4AN(F,B,C)048	42,000	TDR	10.50	—	10.50	9.45	43,500	3.28	26,200	2.34	7.50	
	FC4BN(F,B)042	42,000	TDR & TXV	10.00	—	—	9.30	43,000	3.18	25,800	2.30	7.20	
	FC4BN(F,B)048	42,000	TDR & TXV	10.50	—	—	9.45	43,500	3.28	26,200	2.34	7.50	
	FG3AAA048	42,000	NONE	—	10.50	10.50	9.45	43,000	3.24	25,800	2.34	7.20	
	FK4BNB005	43,000	TDR & TXV	11.00	—	—	10.15	43,500	3.52	26,000	2.50	8.00	
	FK4BNF003	42,000	TDR & TXV	11.00	—	—	9.90	42,000	3.30	25,200	2.40	7.60	
	40FKA/FK4CNF003	41,500	TDR & TXV	11.00	—	—	10.05	41,500	3.28	24,800	2.42	7.50	
	40FKA/FK4CNF005	43,000	TDR & TXV	11.50	—	—	10.45	42,500	3.50	25,200	2.52	8.00	
	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE												
	CC5A/CD5AC048	41,000	TDR	10.7	—	10.7	9.95	41,000	3.14	24,200	2.38	7.2	
	CD5AA048	41,500	TDR	11	—	11	10.05	41,500	3.3	24,400	2.42	7.4	
	CE3AA048	42,000	TDR	11	—	11	10	41,500	3.32	24,800	2.42	7.4	
	CK3BA048	42,000	TDR	11	—	11	10.05	41,500	3.34	24,800	2.44	7.5	
	CK5A/CK5BA048	42,000	TDR	11	—	11	10.05	41,500	3.34	24,800	2.44	7.5	
	CK5A/CK5BT048	42,000	TDR	11	—	11	10.05	41,500	3.34	24,800	2.44	7.5	
	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AC048	41,000	TDR	11	—	11	10.05	41,000	3.16	24,000	2.38	7.2	
	CC5A/CD5AW048	41,500	TDR	11	—	11	10.15	41,500	3.32	24,400	2.42	7.4	
	CD5AA048	41,500	TDR	11	—	11	10.15	41,500	3.32	24,200	2.44	7.4	
	CE3AA048	42,000	TDR	11	—	11	10.1	41,500	3.34	24,600	2.44	7.4	
	CK3BA048	42,000	TDR	11	—	11	10.15	41,500	3.36	24,600	2.46	7.5	
	CK5A/CK5BA048	42,000	TDR	11	—	11	10.15	41,500	3.36	24,600	2.46	7.5	
	CK5A/CK5BT048	42,000	TDR	11	—	11	10.15	41,500	3.36	24,600	2.46	7.5	
	CK5A/CK5BW048	42,000	TDR	11	—	11	10.15	41,500	3.36	24,600	2.46	7.5	
	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AC048	41,000	TDR	11	—	11	10.1	41,000	3.16	24,000	2.4	7.2	
	CC5A/CD5AW048	41,500	TDR	11	—	11	10.15	41,000	3.32	24,400	2.44	7.4	
	CD5AA048	41,500	TDR	11	—	11	10.15	41,500	3.32	24,200	2.44	7.4	
	CE3AA048	42,000	TDR	11	—	11	10.1	41,500	3.34	24,600	2.44	7.4	
	CK3BA048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BA048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BT048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BW048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AC048	41,000	TDR	11	—	11	10.1	41,000	3.16	24,000	2.4	7.2	
	CC5A/CD5AW048	41,500	TDR	11	—	11	10.2	41,500	3.32	24,400	2.44	7.4	
	CD5AA048	41,500	TDR	11	—	11	10.2	41,500	3.32	24,200	2.44	7.4	
	CE3AA048	42,000	TDR	11	—	11	10.15	41,500	3.34	24,600	2.44	7.4	
	CK3BA048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BA048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BT048	42,000	TDR	11	—	11	10.2	41,500	3.38	24,600	2.46	7.5	
	CK5A/CK5BW048	42,000	TDR	11	—	11	10.15	41,500	3.38	24,600	2.46	7.5	
	COILS + 58MVP040-14 VARIABLE SPEED FURNACE												
	CK3BA048	42,000	TDR	10.50	—	10.50	9.45	43,000	3.26	26,000	2.36	7.50	
	CK5A/CK5BW048	42,000	TDR	10.50	—	10.50	9.45	43,000	3.26	26,000	2.36	7.50	
	COILS + 58MVP080-14 VARIABLE SPEED FURNACE												
	CK3BA042	42,000	TDR	10.50	—	10.50	9.45	42,500	3.22	25,800	2.34	7.20	
	CK3BA048	42,000	TDR	10.50	—	10.50	9.65	43,000	3.30	25,800	2.38	7.50	
	CK5A/CK5BA042	42,000	TDR	10.50	—	10.50	9.45	42,500	3.22	25,800	2.34	7.20	
	CK5A/CK5BW048	42,000	TDR	10.50	—	10.50	9.65	43,000	3.30	25,800	2.38	7.50	
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE												
	CK3BA042	42,000	TDR	10.50	—	10.50	9.65	42,500	3.26	25,600	2.38	7.50	
	CK3BA048	42,500	TDR	10.70	—	10.70	9.80	42,500	3.34	25,600	2.42	7.50	
	CK5A/CK5BA042	42,000	TDR	10.50	—	10.50	9.65	42,500	3.26	25,600	2.38	7.50	
	CK5A/CK5BA048	42,500	TDR	10.70	—	10.70	9.80	42,500	3.34	25,600	2.42	7.50	
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE												
	CK3BA042	42,000	TDR	10.50	—	10.50	9.70	42,500	3.28	25,600	2.38	7.50	
	CK3BA048	42,500	TDR	10.70	—	10.70	9.85	42,500	3.34	25,600	2.42	7.50	
	CK5A/CK5BA042	42,000	TDR	10.50	—	10.50	9.70	42,500	3.28	25,600	2.38	7.50	
	CK5A/CK5BW048	42,500	TDR	10.70	—	10.70	9.85	42,500	3.34	25,600	2.42	7.50	
048-33, 34	F(A,B)4AN(F,B,C)048*	46,000	TDR	10.50	—	10.50	9.50	50,000	3.40	31,600	2.44	7.80	
	CC5A/CD5AA060	46,000	NONE	10.00	10.60	10.60	9.60	49,500	3.22	31,000	2.40	7.50	
	CC5A/CD5AC048	44,500	NONE	10.00	10.50	10.50	9.45	48,000	3.06	30,800	2.34	7.40	
	CC5A/CD5AW048	45,500	NONE	10.00	10.50	10.50	9.50	49,000	3.28	31,200	2.42	7.50	
	CC5A/CD5AW060	47,000	NONE	10.50	11.00	11.00	9.75	49,500	3.38	31,200	2.46	7.50	
	CD5AA048	45,500	NONE	10.00	10.50	10.50	9.55	49,000	3.30	31,200	2.42	7.50	
	CE3AA048	46,000	NONE	10.00	10.60	10.60	9.65	49,500	3.34	31,200	2.44	7.50	
	CE3AA060	47,000	NONE	10.50	11.00	11.00	9.80	49,500	3.38	31,200	2.48	8.00	
	CF5AA048	45,000	NONE	10.00	10.50	10.50	9.60	47,000	3.18	30,800	2.40	7.50	
	CK3BA048	45,500	NONE	10.00	10.60	10.60	9.55	49,000	3.34	31,200	2.46	7.50	
	CK3BA060	47,000	NONE	10.50	10.70	10.70	9.75	49,500	3.50	31,400	2.52	7.50	
	CK5A/CK5BA048	45,500	NONE	10.00	10.60	10.60	9.55	49,000	3.34	31,200	2.46	7.50	

See notes on pg. 15.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*											
		Cooling						Heating					
		TC	Factory Supplied Enhance- ment	Standard Rating	SEER		EER	High-Temp		Low-Temp		HSPF	
					TDR†	TXV		TC	COP	TC	COP		
048-33, 34	CK5A/CK5BA060	47,000	None	10.30	10.70	10.70	9.75	49,500	3.50	31,400	2.52	7.50	
	CK5A/CK5BN048	45,000	NONE	10.00	10.60	10.60	9.55	48,000	3.28	30,800	2.42	7.50	
	CK5A/CK5BN060	47,000	NONE	10.50	10.70	10.70	9.90	49,000	3.48	31,400	2.52	7.50	
	CK5A/CK5BT048	45,500	NONE	10.00	10.60	10.60	9.55	49,000	3.34	31,200	2.46	7.50	
	CK5A/CK5BT060	47,000	NONE	10.30	10.70	10.70	9.75	49,500	3.50	31,400	2.52	7.50	
	CK5A/CK5BW048	45,500	NONE	10.00	10.60	10.60	9.55	49,000	3.34	31,200	2.46	7.50	
	CK5A/CK5BX060	47,500	NONE	10.50	11.00	11.00	9.90	50,000	3.48	31,400	2.52	7.50	
	F(A,B)4AN(F,B,C)060	47,500	TDR	10.50	—	10.50	9.55	50,500	3.42	31,800	2.46	8.00	
	FB4ANB070	48,000	TDR	11.00	—	11.00	9.80	50,500	3.56	31,800	2.52	8.20	
	FC4BN(F,B)048	46,000	TDR&TXV	10.50	—	—	9.65	50,000	3.40	31,600	2.44	7.80	
	FC4BN(F,B)060	47,500	TDR&TXV	10.50	—	—	9.70	50,000	3.42	31,800	2.46	8.00	
	FC4BNB054	48,000	TDR&TXV	11.00	—	—	10.05	50,000	3.64	31,600	2.54	7.80	
	FC4BNB070	48,000	TDR&TXV	11.00	—	—	10.00	50,000	3.62	31,800	2.52	8.20	
	FG3AAA048	45,000	NONE	—	10.50	10.50	9.45	48,000	3.34	31,200	2.44	7.50	
	FG3AAA060	46,500	NONE	—	10.70	10.70	9.70	48,000	3.34	31,200	2.46	7.50	
	40FKA/FK4CNB006	48,000	TDR&TXV	11.70	—	—	10.85	49,500	3.68	30,200	2.64	8.50	
	40FKA/FK4CNF005	47,500	TDR&TXV	11.50	—	—	10.55	49,500	3.52	30,400	2.56	8.00	
	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE												
	CE3AA060	46,500	TDR	11.3	—	11.3	10.2	48,000	3.34	30,200	2.48	7.8	
	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AA060	45,500	TDR	11.3	—	11.3	10.1	48,000	3.22	30,000	2.44	7.8	
	CE3AA060	46,500	TDR	11.5	—	11.5	10.35	48,000	3.38	30,000	2.52	8	
	CK3BA060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BA060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BT060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BX060	47,000	TDR	11.7	—	11.7	10.55	48,000	3.56	30,200	2.6	8	
	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AA060	45,500	TDR	11.3	—	11.3	10.05	48,000	3.2	30,000	2.44	7.8	
	CC5A/CD5AW060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.38	30,000	2.5	8	
	CE3AA060	46,500	TDR	11.5	—	11.5	10.35	48,000	3.38	30,200	2.5	8	
	CK3BA060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BA060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BT060	46,000	TDR	11.5	—	11.5	10.3	48,000	3.54	30,200	2.56	8	
	CK5A/CK5BX060	47,000	TDR	11.7	—	11.7	10.5	48,000	3.54	30,200	2.58	8	
	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AA060	45,500	TDR	11.5	—	11.5	10.15	48,000	3.22	29,800	2.44	7.8	
	CC5A/CD5AW060	46,000	TDR	11.5	—	11.5	10.4	48,000	3.4	30,000	2.52	8	
	CE3AA060	46,500	TDR	11.5	—	11.5	10.4	48,000	3.4	30,000	2.52	8	
	CK3BA060	46,500	TDR	11.5	—	11.5	10.35	48,000	3.56	30,200	2.58	8	
	CK5A/CK5BA060	46,500	TDR	11.5	—	11.5	10.35	48,000	3.56	30,200	2.58	8	
	CK5A/CK5BT060	46,500	TDR	11.5	—	11.5	10.35	48,000	3.56	30,200	2.58	8	
	CK5A/CK5BX060	47,000	TDR	11.7	—	11.7	10.55	48,000	3.56	30,200	2.6	8	
	COILS + 58MVP100-20 VARIABLE SPEED FURNACE												
	CK3BA060	46,500	TDR	11.00	—	11.00	10.25	49,000	3.60	30,800	2.60	8.00	
	CK5A/CK5BA060	46,500	TDR	11.00	—	11.00	10.25	49,000	3.60	30,800	2.60	8.00	
	CK5A/CK5BN060	46,500	TDR	11.00	—	11.00	9.95	49,000	3.48	31,200	2.52	8.00	
	CK5A/CK5BT060	46,500	TDR	11.00	—	11.00	10.25	49,000	3.60	30,800	2.60	8.00	
	CK5A/CK5BX060	47,000	TDR	11.00	—	11.00	10.00	49,000	3.50	31,200	2.54	8.00	
	COILS + 58MVP120-20 VARIABLE SPEED FURNACE												
	CK3BA060	46,500	TDR	11.00	—	11.00	9.85	49,000	3.52	31,200	2.52	8.00	
	CK5A/CK5BA060	46,500	TDR	11.00	—	11.00	9.85	49,000	3.52	31,200	2.52	8.00	
	CK5A/CK5BN060	46,500	TDR	11.00	—	11.00	10.00	49,000	3.50	31,200	2.54	8.00	
	CK5A/CK5BT060	46,500	TDR	11.00	—	11.00	9.85	49,000	3.52	31,200	2.52	8.00	
	CK5A/CK5BX060	47,000	TDR	11.00	—	11.00	10.10	49,000	3.52	31,200	2.54	8.00	
060-32, 33	F(A,B)4AN(F,B,C)060**	56,500	TDR	10.60	—	10.60	9.45	61,000	3.26	39,500	2.40	7.60	
	CC5A/CD5AA060	54,500	NONE	10.20	10.60	10.60	9.60	59,000	2.98	38,000	2.30	7.20	
	CC5A/CD5AW060	56,000	NONE	10.60	11.00	11.00	9.75	59,500	3.22	38,500	2.40	7.50	
	CE3AA060	57,000	NONE	10.60	11.00	11.00	9.85	60,000	3.24	38,500	2.42	7.50	
	CK3BA060	55,500	NONE	10.50	11.00	11.00	9.70	59,500	3.16	39,000	2.40	7.50	
	CK5A/CK5BA060	55,500	NONE	10.50	11.00	11.00	9.70	59,500	3.16	39,000	2.40	7.50	
	CK5A/CK5BN060	55,500	NONE	10.50	11.00	11.00	9.70	59,500	3.16	39,000	2.40	7.50	
	CK5A/CK5BX060	57,000	NONE	10.60	11.00	11.00	9.85	60,000	3.28	39,000	2.46	7.70	
	FB4ANB070	58,000	TDR	11.00	—	11.00	9.80	61,000	3.42	39,000	2.48	8.00	
	FC4BN(F,B)060	56,500	TDR & TXV	10.60	—	—	9.45	61,000	3.26	39,500	2.40	7.60	
	FC4BNB070	58,000	TDR & TXV	11.00	—	—	9.80	61,000	3.42	39,000	2.48	8.00	
	FG3AAA060	56,000	NONE	10.60	11.00	11.00	9.70	59,500	3.18	38,500	2.38	7.50	
	FK4BNB006	57,500	TDR & TXV	11.00	—	—	10.05	60,500	3.46	39,000	2.52	8.00	
	40FKA/FK4CNB006	57,000	TDR & TXV	11.50	—	—	10.35	60,000	3.44	38,500	2.56	8.00	
	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE												
	CC5A/CD5AA060	54,500	TDR	11	—	11	9.95	59,000	3.04	37,600	2.36	7.2	
	CE3AA060	56,000	TDR	11.2	—	11.2	10.15	59,000	3.22	37,800	2.46	7.6	
	CK3BA060	55,000	TDR	11	—	11	10.05	59,000	3.32	38,000	2.48	7.7	
	CK5A/CK5BA060	55,000	TDR	11	—	11	10.05	59,000	3.32	38,000	2.48	7.7	
	CK5A/CK5BT060	55,000	TDR	11	—	11	10.05	59,000	3.32	38,000	2.48	7.7	
	CK5A/CK5BX060	56,000	TDR	11.5	—	11.5	10.3	59,500	3.36	37,800	2.5	7.7	

See notes on pg. 15.

Combination ratings continued

UNIT SIZE- SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
		TC	SEER			EER	High-Temp		Low-Temp		HSPF	
			Factory Supplied Enhance- ment	Standard Rating	Field-Supplied Accessory†‡							
							TDR†	TXV				
TC	COP						TC	COP				
060-32, 33	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE											
	CC5A/CD5AA060	54,500	TDR	11	—	11	9.9	59,000	3.02	37,600	2.36	7.2
	CC5A/CD5AW060	56,000	TDR	11.2	—	11.2	10.15	59,000	3.18	37,600	2.42	7.4
	CE3AA060	56,000	TDR	11.2	—	11.2	10.15	59,000	3.22	37,800	2.44	7.6
	CK3BA060	55,000	TDR	11	—	11	10	59,000	3.32	38,000	2.48	7.7
	CK5A/CK5BA060	55,000	TDR	11	—	11	10.05	59,000	3.32	38,000	2.48	7.7
	CK5A/CK5BT060	55,000	TDR	11	—	11	10	59,000	3.32	38,000	2.48	7.7
	CK5A/CK5BX060	56,500	TDR	11.5	—	11.5	10.3	59,500	3.34	37,800	2.5	7.7
	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE											
	CC5A/CD5AA060	54,500	TDR	11	—	11	10	59,000	3.04	37,400	2.36	7.2
	CC5A/CD5AW060	56,000	TDR	11.5	—	11.5	10.2	59,000	3.2	37,600	2.44	7.5
	CE3AA060	56,000	TDR	11.2	—	11.2	10.2	59,000	3.22	37,600	2.46	7.6
	CK3BA060	55,000	TDR	11	—	11	10.1	59,000	3.34	37,800	2.48	7.7
	CK5A/CK5BA060	55,000	TDR	11	—	11	10.15	59,000	3.34	37,800	2.48	7
	CK5A/CK5BT060	55,000	TDR	11	—	11	10.1	59,000	3.34	37,800	2.48	7.7
	CK5A/CK5BX060	56,500	TDR	11.5	—	11.5	10.35	59,500	3.36	37,800	2.52	7.7

* Ratings are net values reflecting the effects of circulating fan heat. Supplemental electric heat is not included. Ratings are based on:

Cooling Standard: 80°F (27°C) db 67°F (19°C) wb indoor entering air temperature and 95°F (35°C) db air entering outdoor unit.

High Temperature Heating Standard: 70°F (21°C) db indoor entering air temperature and 47°F (8°C) db 43°F (6°C) wb air entering outdoor unit.

Low Temperature Heating Standard: 70°F (21°C) db indoor entering air temperature and 17°F (–8°C) db 15°F (–11°C) wb air entering outdoor unit.

† In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay KAATD0101TDR or a furnace equipped with TDR. All Carrier furnaces are equipped with TDR except for the 58GFA.

‡ Requires hard shutoff TXV; based on computer simulation.

** Outdoor section/indoor section combination tested in accordance with DOE test procedures for heat pumps. Ratings for other combinations are determined under DOE computer simulation procedures.

COP — Coefficient of Performance

EER — Energy Efficiency Ratio

HSPF — Heating Seasonal Performance Factor

SEER — Seasonal Energy Efficiency Ratio

TC — Total Capacity (Btuh)

TDR — Time-Delay Relay

TXV — Thermostatic Expansion Valve

Detailed cooling capacities*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtu/h†		Total Sys Kw**	Capacity MBtu/h†		Total Sys Kw**	Capacity MBtu/h†		Total Sys Kw**	Capacity MBtu/h†		Total Sys Kw**	Capacity MBtu/h†		Total Sys Kw**	Capacity MBtu/h†		Total Sys Kw**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
38YKC018-32, 33 Outdoor Section With F(A,B)4ANF018 Indoor Section																			
525	72	20.7	9.99	1.65	19.6	9.57	1.77	18.5	9.15	1.88	17.3	8.71	2.00	16.1	8.27	2.10	14.8	7.82	2.20
	67	18.8	12.4	1.61	17.8	11.9	1.73	16.7	11.5	1.83	15.5	11.0	1.94	14.4	10.6	2.03	13.2	10.1	2.12
	63††	17.4	12.0	1.59	16.4	11.6	1.69	15.3	11.1	1.79	14.2	10.6	1.89	13.1	10.1	1.98	11.9	9.63	2.05
	62	17.0	14.7	1.58	16.0	14.2	1.68	15.0	13.7	1.78	13.9	13.2	1.88	12.9	12.6	1.97	11.9	11.9	2.05
	57	16.0	16.0	1.56	15.2	15.2	1.67	14.4	14.4	1.76	13.6	13.6	1.86	12.8	12.8	1.95	11.9	11.9	2.05
600	72	21.1	10.4	1.68	20.0	9.98	1.80	18.8	9.56	1.92	17.6	9.11	2.03	16.3	8.67	2.14	15.0	8.22	2.24
	67	19.2	13.1	1.65	18.1	12.6	1.76	17.0	12.2	1.87	15.8	11.7	1.97	14.6	11.2	2.07	13.4	10.8	2.16
	63††	17.8	12.7	1.63	16.7	12.2	1.73	15.6	11.7	1.83	14.5	11.3	1.93	13.4	10.8	2.01	12.2	10.3	2.09
	62	17.4	15.7	1.62	16.4	15.2	1.72	15.3	14.6	1.82	14.3	14.0	1.92	13.3	13.3	2.01	12.4	12.4	2.10
	57	16.7	16.7	1.60	15.9	15.9	1.71	15.0	15.0	1.81	14.2	14.2	1.92	13.3	13.3	2.01	12.4	12.4	2.11
675	72	21.5	10.8	1.71	20.3	10.4	1.83	19.1	9.93	1.95	17.8	9.49	2.07	16.5	9.04	2.17	15.2	8.60	2.27
	67	19.5	13.7	1.68	18.4	13.3	1.79	17.2	12.8	1.90	16.0	12.4	2.01	14.8	11.9	2.10	13.6	11.4	2.19
	63††	18.1	13.3	1.66	17.0	12.8	1.76	15.9	12.3	1.86	14.7	11.9	1.96	13.5	11.4	2.05	12.3	10.8	2.13
	62	17.7	16.6	1.65	16.7	16.0	1.75	15.7	15.4	1.85	14.7	14.7	1.96	13.7	13.7	2.06	12.8	12.8	2.15
	57	17.3	17.3	1.65	16.4	16.4	1.75	15.5	15.5	1.85	14.6	14.6	1.96	13.7	13.7	2.06	12.8	12.8	2.15

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	1.02	FG3AAA	024	1.03	1.03
	024	1.03	1.03	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE			
CC5A/CD5AW	024	1.03	1.03	CC5A/CD5AA	024	1.06	0.95
CE3AA	024	1.03	1.03	CC5A/CD5AW	024	1.06	0.95
CF5AA	024	1.03	1.03	CE3AA	024	1.06	0.95
CK5BA	024	1.03	1.03	CK3BA	024	1.06	0.94
CK5A/CK5BA	018	1.00	1.02	CK5A/CK5BA	024	1.06	0.94
	024	1.03	1.03	CK5A/CK5BW	024	1.06	0.94
CK5A/CK5BW	024	1.03	1.03	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,C)	018	1.00	1.00	CC5A/CD5AW	024	1.06	0.97
	024	1.03	1.03	CK5A/CK5BW	024	1.06	0.97
FC4BNF	024	1.03	1.03	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
FF1DNA	018	1.00	0.98	CC5A/CD5AW	024	1.06	0.97
	024	1.03	1.03	CK5A/CK5BW	024	1.06	0.97

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38YKC024-31, 32 Outdoor Section With F(A,B)4AN(F,C)024 Indoor Section																			
750	72	28.1	13.8	2.28	26.9	13.4	2.44	25.5	12.9	2.60	23.8	12.3	2.75	22.0	11.7	2.88	20.2	11.1	3.00
	67	26.1	17.7	2.23	24.6	17.1	2.38	23.0	16.5	2.52	21.4	15.9	2.65	19.7	15.2	2.77	18.1	14.6	2.88
	63††	24.1	17.2	2.19	22.7	16.6	2.32	21.2	15.9	2.45	19.7	15.3	2.57	18.1	14.6	2.68	16.4	13.9	2.78
	62	23.7	21.3	2.18	22.2	20.6	2.31	20.8	19.9	2.44	19.4	19.1	2.56	18.1	18.1	2.68	16.7	16.7	2.80
	57	22.7	22.7	2.15	21.6	21.6	2.29	20.5	20.5	2.42	19.3	19.3	2.56	18.1	18.1	2.68	16.8	16.8	2.80
850	72	28.6	14.4	2.33	27.4	14.0	2.50	25.8	13.5	2.65	24.2	13.0	2.80	22.3	12.3	2.94	20.5	11.7	3.06
	67	26.6	18.7	2.28	25.0	18.1	2.43	23.4	17.5	2.57	21.7	16.9	2.70	20.0	16.2	2.82	18.3	15.5	2.93
	63††	24.6	18.2	2.24	23.1	17.5	2.38	21.5	16.9	2.50	20.0	16.2	2.63	18.4	15.5	2.74	16.7	14.8	2.84
	62	24.2	22.6	2.23	22.7	21.9	2.36	21.3	21.1	2.50	20.0	20.0	2.63	18.7	18.7	2.76	17.4	17.4	2.88
	57	23.6	23.6	2.21	22.4	22.4	2.36	21.2	21.2	2.49	20.0	20.0	2.63	18.7	18.7	2.76	17.4	17.4	2.88
950	72	28.9	14.9	2.38	27.7	14.6	2.54	26.0	14.0	2.70	24.4	13.5	2.85	22.6	12.9	2.99	20.7	12.3	3.11
	67	26.9	19.6	2.33	25.4	19.1	2.48	23.7	18.5	2.62	22.0	17.9	2.75	20.2	17.2	2.88	18.5	16.5	2.99
	63††	25.1	19.2	2.29	23.4	18.5	2.42	21.8	17.8	2.56	20.2	17.1	2.68	18.6	16.4	2.79	16.9	15.6	2.89
	62	24.7	23.9	2.28	23.2	23.0	2.42	21.9	21.9	2.56	20.6	20.6	2.69	19.2	19.2	2.83	17.9	17.9	2.95
	57	24.4	24.4	2.27	23.1	23.1	2.42	21.9	21.9	2.56	20.6	20.6	2.69	19.2	19.2	2.83	17.8	17.8	2.95

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	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE			
	030	1.03	0.92	CC5A/CD5AA	024	0.98	0.92
CC5A/CD5AW	024	1.00	1.00	CC5A/CD5AW	024	0.98	0.92
	030	1.01	1.00	CE3AA	024	0.98	0.91
CE3AA	024	1.01	1.00		030	1.02	0.93
	030	1.02	1.01	CK3BA	024	0.98	0.91
CF5AA	024	1.00	1.00	CK5A/CK5BA	024	0.98	0.91
CK3BA	024	0.99	1.00	CK5A/CK5BW	024	0.98	0.91
CK5A/CK5BA	024	0.99	1.00	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
	030	1.02	1.01	CK3BA	030	1.03	0.94
CK5A/CK5BW	024	0.99	1.00	CK5A/CK5BW	030	1.03	0.94
	030	1.02	1.01	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,C)	024	1.00	1.00	CK3BA	024	1.00	0.94
	030	1.03	1.00		030	1.02	0.94
FC4BNF	024	1.00	1.00	CK5A/CK5BW	024	1.00	0.94
	030	1.03	1.00		030	1.03	0.94
FF1BNA	024	1.00	1.00	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	030	1.03	1.01	CK3BA	024	1.01	0.93
FG3AAA	024	0.98	0.99		030	1.03	0.93
FK4CNF	001	1.03	0.92	CK5A/CK5BW	024	1.01	0.93
40FKA/FK4CNF	002	1.03	0.92		030	1.03	0.93

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**	Capacity MBtuht†		Total Sys Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38YKC030-31, 32 Outdoor Section With F(A,B)4AN(F,C)030 Indoor Section																			
950	72	35.1	17.4	2.80	33.5	16.8	3.01	31.8	16.3	3.22	30.0	15.7	3.42	27.9	15.0	3.61	25.7	14.2	3.79
	67	32.7	22.5	2.75	30.9	21.7	2.93	29.1	21.1	3.13	27.0	20.3	3.30	25.0	19.5	3.47	23.1	18.7	3.63
	63††	30.4	21.9	2.69	28.6	21.1	2.87	26.8	20.3	3.04	24.9	19.5	3.21	23.1	18.7	3.37	21.1	17.9	3.52
	62	29.8	27.1	2.68	28.1	26.2	2.85	26.3	25.3	3.03	24.6	24.4	3.20	23.1	23.1	3.37	21.6	21.6	3.54
	57	28.7	28.7	2.65	27.4	27.4	2.83	26.0	26.0	3.01	24.5	24.5	3.19	23.1	23.1	3.37	21.6	21.6	3.54
1050	72	35.5	17.9	2.85	33.8	17.3	3.06	32.2	16.8	3.27	30.3	16.3	3.48	28.1	15.5	3.67	25.9	14.8	3.84
	67	33.1	23.4	2.79	31.3	22.7	2.99	29.4	22.1	3.18	27.3	21.3	3.36	25.3	20.5	3.53	23.3	19.7	3.69
	63††	30.8	22.8	2.74	28.9	22.0	2.92	27.1	21.2	3.09	25.2	20.4	3.26	23.3	19.6	3.42	21.4	18.8	3.57
	62	30.3	28.4	2.73	28.5	27.5	2.91	26.8	26.5	3.08	25.2	25.2	3.26	23.7	23.7	3.44	22.1	22.1	3.62
	57	29.6	29.6	2.71	28.2	28.2	2.89	26.7	26.7	3.08	25.2	25.2	3.26	23.7	23.7	3.44	22.1	22.1	3.62
1150	72	35.8	18.4	2.90	34.1	17.8	3.11	32.5	17.4	3.32	30.6	16.8	3.53	28.4	16.1	3.72	26.1	15.3	3.89
	67	33.3	24.2	2.84	31.6	23.6	3.03	29.7	23.0	3.23	27.6	22.2	3.41	25.5	21.4	3.58	23.5	20.6	3.74
	63††	31.2	23.7	2.78	29.3	22.9	2.97	27.3	22.1	3.14	25.4	21.3	3.31	23.5	20.5	3.47	21.6	19.6	3.63
	62	30.7	29.6	2.78	29.0	28.6	2.96	27.3	27.3	3.14	25.8	25.8	3.33	24.2	24.2	3.51	22.6	22.6	3.69
	57	30.3	30.3	2.77	28.8	28.8	2.95	27.3	27.3	3.14	25.8	25.8	3.33	24.2	24.2	3.51	22.6	22.6	3.69

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	0.99	1.00	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE			
CC5A/CD5AW	030	0.99	1.00	CC5A/CD5AA	030	0.97	0.91
CE3AA	030	1.00	1.01	CC5A/CD5AW	030	0.97	0.91
	036	1.02	1.01	CE3AA	030	0.99	0.92
CF5AA	036	1.02	1.01	CK3BA	030	0.99	0.93
CK3BA	030	1.00	1.01	CK5A/CK5BA	030	0.99	0.93
	036	1.02	1.02	CK5A/CK5BW	030	0.99	0.93
CK5A/CK5BA	030	1.00	1.01	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
	036	1.02	1.02	CK3BA	030	1.00	0.97
CK5A/CK5BN	036	1.02	1.02		036	1.03	0.97
CK5A/CK5BW	030	1.00	1.01	CK5A/CK5BW	030	1.00	0.97
	036	1.02	1.02		036	1.03	0.97
F(A,B)4AN(F,C)	030	1.00	1.00	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
	036	1.01	1.03	CK3BA	030	1.00	0.97
FC4BNF	030	1.00	1.00		036	1.03	0.97
	036	1.01	1.03	CK5A/CK5BA	036	1.03	0.97
FF1BNA	030	1.01	1.02	CK5A/CK5BW	030	1.00	0.97
FK4BNF	001	1.02	0.99	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	002	1.02	0.99	CK3BA	030	1.00	0.96
	003	1.02	0.95		036	1.03	0.97
FK4CNF	001	1.00	0.94	CK5A/CK5BW	030	1.00	0.96
40FKA/FK4CNF	002	1.01	0.94		036	1.03	0.97
	003	1.02	0.92	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE				CK3BA	030	1.01	0.95
CC5A/CD5AA	030	0.97	0.93		036	1.04	0.95
CC5A/CD5AW	030	0.97	0.93	CK5A/CK5BW	030	1.01	0.95
CK3BA	030	0.97	0.92		036	1.04	0.95
CK5A/CK5BA	030	0.97	0.93	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CK5A/CK5BW	030	0.97	0.92	CK3BA	036	1.04	0.96
	—	—	—	CK5A/CK5BW	036	1.04	0.96

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38YKC036-32, 33 Outdoor Section With F(A,B)4AN(F,C)036 Indoor Section																			
1150	72	42.0	20.7	3.40	40.6	20.3	3.65	38.5	19.6	3.88	36.3	18.8	4.11	33.8	18.0	4.32	31.2	17.1	4.51
	67	39.1	26.8	3.33	37.2	26.1	3.56	35.0	25.3	3.77	32.6	24.4	3.97	30.2	23.4	4.16	27.9	22.5	4.33
	63††	36.5	26.3	3.29	34.3	25.3	3.48	32.2	24.4	3.67	30.0	23.4	3.86	27.7	22.5	4.03	25.4	21.5	4.19
	62	35.8	32.5	3.27	33.7	31.5	3.47	31.7	30.5	3.66	29.7	29.3	3.85	27.8	27.8	4.04	26.0	26.0	4.22
	57	34.5	34.5	3.24	32.9	32.9	3.44	31.2	31.2	3.64	29.5	29.5	3.84	27.8	27.8	4.04	26.0	26.0	4.22
1250	72	42.4	21.2	3.45	40.7	20.7	3.70	38.7	20.1	3.93	36.5	19.4	4.16	34.1	18.6	4.38	31.5	17.7	4.57
	67	39.3	27.6	3.38	37.5	27.1	3.61	35.4	26.3	3.83	33.0	25.4	4.03	30.5	24.5	4.22	28.1	23.5	4.40
	63††	36.9	27.3	3.34	34.7	26.3	3.54	32.5	25.3	3.73	30.3	24.4	3.92	28.0	23.4	4.09	25.7	22.4	4.26
	62	36.3	33.9	3.33	34.2	32.8	3.52	32.2	31.7	3.72	30.2	30.2	3.91	28.4	28.4	4.11	26.5	26.5	4.30
	57	35.4	35.4	3.30	33.7	33.7	3.51	31.9	31.9	3.71	30.2	30.2	3.91	28.4	28.4	4.11	26.5	26.5	4.30
1350	72	42.7	21.7	3.51	40.6	20.9	3.74	38.7	20.4	3.98	36.6	19.8	4.21	34.3	19.1	4.43	31.7	18.3	4.63
	67	39.7	28.5	3.44	37.7	27.9	3.66	35.7	27.3	3.88	33.2	26.4	4.09	30.8	25.4	4.28	28.3	24.4	4.46
	63††	37.4	28.2	3.39	35.1	27.2	3.59	32.8	26.3	3.79	30.5	25.3	3.98	28.2	24.3	4.15	25.9	23.3	4.32
	62	36.8	35.2	3.38	34.7	34.0	3.58	32.7	32.6	3.78	30.8	30.8	3.99	28.9	28.9	4.19	27.0	27.0	4.38
	57	36.2	36.2	3.37	34.4	34.4	3.58	32.6	32.6	3.78	30.8	30.8	3.99	28.9	28.9	4.19	27.0	27.0	4.38

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	1.02	0.98	CK3BA	042	1.02	0.91
	042	1.02	0.99	CK5A/CK5BA	042	1.02	0.91
	043	1.02	0.98	CK5A/CK5BT	042	1.02	0.91
CC5A/CD5AW	042	1.01	0.98	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
	043	1.02	0.98	CC5A/CD5AA	042	1.01	0.91
CD5AW	036	1.02	0.98	CC5A/CD5AW	042	1.01	0.91
CE3AA	036	1.01	0.98	CE3AA	042	1.02	0.91
	042	1.02	0.99	CK3BA	042	1.02	0.92
CF5AA	036	1.02	0.99	CK5A/CK5BA	042	1.02	0.92
CK3BA	036	1.02	0.98	CK5A/CK5BT	042	1.02	0.92
CK5A/CK5BA	036	1.02	0.98	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
	042	1.02	0.99	CC5A/CD5AA	042	1.01	0.90
CK5A/CK5BN	036	0.99	0.95	CC5A/CD5AW	042	1.01	0.90
	042	1.02	0.99	CE3AA	042	1.02	0.91
CK5A/CK5BW	036	1.02	0.98	CK3BA	042	1.02	0.91
F(A,B)4AN(F,C)	036	1.00	1.00	CK5A/CK5BA	042	1.02	0.91
F(A,B)4AN(F,B,C)	042	1.02	1.00	CK5A/CK5BT	042	1.02	0.91
FC4BNF	036	1.00	0.99	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
FC4BN(F,B)	042	1.02	0.99	CK3BA	036	1.02	0.97
FG3AAA	036	1.00	0.98		042	1.02	0.96
FK4BNF	001	1.01	0.96	CK5A/CK5BA	042	1.02	0.96
	002	1.01	0.96	CK5A/CK5BW	036	1.02	0.97
	003	1.02	0.93	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
	004	1.02	0.94	CK3BA	042	1.02	0.96
FK4CNF	001	0.99	0.92	CK5A/CK5BN	042	1.02	0.96
40FKA/FK4CNF	002	1.00	0.92	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	003	1.02	0.90	CK3BA	036	1.02	0.96
COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE					042	1.02	0.95
CE3AA	042	1.02	0.93	CK5A/CK5BA	042	1.02	0.95
CK5A/CK5BE	042	1.02	0.93	CK5A/CK5BW	036	1.02	0.96
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE				COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CC5A/CD5AA	042	1.01	0.91	CK3BA	036	1.03	0.95
CE3AA	042	1.02	0.92		042	1.03	0.94
CK3BA	042	1.02	0.92	CK5A/CK5BA	042	1.03	0.94
CK5A/CK5BA	042	1.02	0.92	CK5A/CK5BW	036	1.03	0.95
CK5A/CK5BE	042	1.02	0.92	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CK5A/CK5BT	042	1.02	0.92	CK3BA	036	1.03	0.94
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE					042	1.03	0.94
CC5A/CD5AA	042	1.02	0.91	CK5A/CK5BA	042	1.03	0.94
CC5A/CD5AW	042	1.00	0.90	CK5A/CK5BW	036	1.03	0.94
CE3AA	042	1.02	0.91	—	—	—	

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuht		Total Sys Kw**	Capacity MBtuht		Total Sys Kw**	Capacity MBtuht		Total Sys Kw**	Capacity MBtuht		Total Sys Kw**	Capacity MBtuht		Total Sys Kw**	Capacity MBtuht		Total Sys Kw**
		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†		Total	Sens†	
38YKC042-32, 33 Outdoor Section With F(A,B)4AN(F,B,C)042 Indoor Section																			
1300	72	48.8	23.8	3.93	47.7	23.6	4.27	45.7	23.0	4.59	43.2	22.1	4.89	40.3	21.1	5.16	37.3	20.1	5.41
	67	46.0	31.0	3.88	44.1	30.4	4.18	41.5	29.5	4.46	38.9	28.4	4.71	36.2	27.3	4.96	33.5	26.3	5.19
	63††	43.1	30.6	3.82	40.7	29.5	4.09	38.3	28.4	4.34	35.8	27.4	4.58	33.2	26.3	4.81	30.7	25.2	5.02
	62	42.3	37.8	3.81	40.0	36.6	4.06	37.6	35.5	4.31	35.3	34.2	4.56	33.0	32.8	4.80	30.9	30.9	5.04
	57	40.5	40.5	3.76	38.7	38.7	4.02	36.8	36.8	4.28	34.9	34.9	4.54	32.9	32.9	4.79	30.9	30.9	5.04
1400	72	49.2	24.3	3.99	48.1	24.1	4.33	46.1	23.6	4.65	43.6	22.8	4.95	40.6	21.7	5.22	37.6	20.7	5.47
	67	46.2	31.8	3.92	44.5	31.4	4.23	42.0	30.5	4.52	39.2	29.4	4.78	36.5	28.4	5.02	33.7	27.3	5.25
	63††	43.6	31.5	3.87	41.2	30.5	4.14	38.6	29.4	4.40	36.1	28.3	4.64	33.5	27.2	4.87	30.9	26.1	5.09
	62	42.9	39.2	3.87	40.5	38.0	4.13	38.1	36.8	4.38	35.8	35.4	4.63	33.6	33.6	4.87	31.5	31.5	5.12
	57	41.4	41.4	3.83	39.6	39.6	4.09	37.6	37.6	4.36	35.6	35.6	4.62	33.6	33.6	4.88	31.5	31.5	5.12
1500	72	49.6	24.7	4.05	48.5	24.7	4.38	46.5	24.1	4.71	44.0	23.4	5.01	40.9	22.3	5.28	37.9	21.3	5.54
	67	46.7	32.7	3.98	44.7	32.2	4.28	42.4	31.6	4.57	39.6	30.5	4.84	36.7	29.4	5.08	34.0	28.3	5.32
	63††	43.9	32.3	3.92	41.7	31.5	4.20	39.0	30.4	4.46	36.4	29.3	4.70	33.8	28.1	4.93	31.1	27.0	5.15
	62	43.4	40.6	3.92	41.0	39.3	4.19	38.6	38.0	4.44	36.3	36.3	4.70	34.2	34.2	4.95	32.0	32.0	5.20
	57	42.3	42.3	3.90	40.3	40.3	4.17	38.3	38.3	4.43	36.3	36.3	4.70	34.2	34.2	4.95	32.0	32.0	5.20

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	042	0.99	0.99	CK5A/CK5BA	048	1.00	0.92
	043	0.99	0.98	CK5A/CK5BT	048	1.00	0.92
	042	0.98	0.98	CK5A/CK5BW	048	1.00	0.92
	043	0.99	0.98	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CC5A/CD5AW	048	0.99	0.99	CC5A/CD5AC	048	0.98	0.90
CC5A/CD5AC	048	0.98	0.98	CC5A/CD5AW	048	0.99	0.91
CD5AA	048	0.99	0.99	CD5AA	048	0.99	0.91
CE3AA	042	1.00	0.99	CE3AA	048	1.00	0.92
	048	1.00	0.99	CK3BA	048	1.00	0.92
CF5AA	048	1.00	0.99	CK5A/CK5BA	048	1.00	0.92
CK3BA	042	0.99	0.99	CK5A/CK5BT	048	1.00	0.92
	048	1.00	0.99	CK5A/CK5BW	048	1.00	0.92
CK5A/CK5BA	042	0.99	0.99	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
	048	1.00	0.99	CC5A/CD5AC	048	0.98	0.90
CK5A/CK5BN	042	0.99	0.99	CC5A/CD5AW	048	0.99	0.90
	048	1.00	0.99	CD5AA	048	0.99	0.90
CK5A/CK5BW	048	1.00	0.99	CE3AA	048	1.00	0.92
F(A,B)4AN(F,B,C)	042	1.00	1.00	CK3BA	048	1.00	0.91
	048	1.00	1.01	CK5A/CK5BA	048	1.00	0.91
FC4BN(F,B)	042	1.00	0.99	CK5A/CK5BT	048	1.00	0.91
	048	1.00	1.00	CK5A/CK5BW	048	1.00	0.91
FG3AAA	048	1.00	0.99	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
FK4BNB	005	1.02	0.97	CK3BA	048	1.00	0.99
FK4BNF	003	1.00	0.95	CK5A/CK5BW	048	1.00	0.99
40FKA/FK4CNF	003	0.99	0.92	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	005	1.02	0.93	CK3BA	042	1.00	0.98
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE					048	1.00	0.98
CC5A/CD5AC	048	0.98	0.91	CK5A/CK5BA	042	1.00	0.98
CD5AA	048	0.99	0.92	CK5A/CK5BW	048	1.00	0.98
CE3AA	048	1.00	0.93	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CK3BA	048	1.00	0.93	CK3BA	042	1.00	0.97
					048	1.01	0.96
CK5A/CK5BA	048	1.00	0.93	CK5A/CK5BA	042	1.00	0.97
CK5A/CK5BT	048	1.00	0.93		048	1.01	0.96
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE				COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CC5A/CD5AC	048	0.98	0.90	CK3BA	042	1.00	0.96
CC5A/CD5AW	048	0.99	0.91		048	1.01	0.96
CD5AA	048	0.99	0.91	CK5A/CK5BA	042	1.00	0.96
CE3AA	048	1.00	0.92		048	1.01	0.96
CK3BA	048	1.00	0.92	CK5A/CK5BA	048	1.01	0.96

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F																							
		75				85				95				105				115				125			
CFM	EWB	Capacity MBtuht		Total Sys Kw**		Capacity MBtuht		Total Sys Kw**		Capacity MBtuht		Total Sys Kw**		Capacity MBtuht		Total Sys Kw**		Capacity MBtuht		Total Sys Kw**		Capacity MBtuht		Total Sys Kw**	
		Total	Sens‡			Total	Sens‡			Total	Sens‡			Total	Sens‡			Total	Sens‡			Total	Sens‡		
38YKC048-33, 34 Outdoor Section With F(A,B)4AN(F,B,C)048 Indoor Section																									
1500	72	54.3	27.1	4.02	52.2	26.4	4.48	49.9	25.6	4.98	47.4	24.7	5.53	44.8	23.8	6.12	42.0	22.9	6.74						
	67	50.0	34.9	3.98	47.8	34.0	4.42	45.6	33.1	4.91	43.2	32.2	5.44	40.8	31.3	6.01	38.3	30.3	6.61						
	63††	46.1	33.8	3.94	44.1	32.9	4.38	41.9	31.9	4.87	39.7	31.0	5.39	37.4	30.0	5.95	34.9	29.0	6.54						
	62	45.3	42.0	3.93	43.4	41.1	4.37	41.4	40.0	4.86	39.3	38.9	5.38	37.3	37.3	5.95	35.3	35.3	6.55						
	57	44.2	44.2	3.91	42.6	42.6	4.36	40.9	40.9	4.85	39.1	39.1	5.38	37.3	37.3	5.95	35.3	35.3	6.55						
1650	72	54.8	27.9	4.09	52.7	27.2	4.55	50.4	26.4	5.05	47.9	25.6	5.60	45.2	24.7	6.19	42.3	23.8	6.82						
	67	50.6	36.5	4.05	48.3	35.6	4.50	46.0	34.7	4.99	43.6	33.7	5.52	41.1	32.8	6.09	38.5	31.7	6.69						
	63††	46.7	35.2	4.01	44.5	34.3	4.45	42.4	33.4	4.94	40.0	32.4	5.46	37.7	31.4	6.03	35.2	30.3	6.62						
	62	46.0	44.1	4.00	44.1	43.0	4.44	42.0	41.8	4.93	40.0	40.0	5.46	38.1	38.1	6.04	36.1	36.1	6.65						
	57	45.4	45.4	3.99	43.7	43.7	4.44	41.9	41.9	4.93	40.1	40.1	5.46	38.1	38.1	6.04	36.1	36.1	6.65						
1800	72	55.2	28.6	4.15	53.1	28.0	4.62	50.8	27.2	5.12	48.2	26.4	5.67	45.4	25.5	6.26	42.6	24.6	6.88						
	67	51.1	38.0	4.11	48.7	37.1	4.57	46.4	36.1	5.06	43.9	35.2	5.59	41.4	34.2	6.16	38.8	33.2	6.77						
	63††	47.1	36.6	4.08	44.9	35.7	4.52	42.7	34.8	5.01	40.4	33.8	5.54	38.0	32.8	6.10	35.5	31.7	6.69						
	62	46.7	45.9	4.07	44.7	44.5	4.52	42.8	42.8	5.01	40.9	40.9	5.55	38.9	38.9	6.12	36.8	36.8	6.74						
	57	46.4	46.4	4.07	44.6	44.6	4.52	42.8	42.8	5.01	40.9	40.9	5.55	38.9	38.9	6.12	36.8	36.8	6.74						

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AC	048	0.98	0.97	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE			
CC5A/CD5AW	048	0.99	0.98	CC5A/CD5AA	060	0.99	0.93
	060	1.02	0.99	CE3AA	060	1.01	0.93
CC5A/CD5AA	060	1.00	0.98	CK3BA	060	1.00	0.92
CD5AA	048	0.99	0.98	CK5A/CK5BA	060	1.00	0.92
CE3AA	048	1.00	0.98	CK5A/CK5BT	060	1.00	0.92
	060	1.02	0.99	CK5A/CK5BX	060	1.02	0.92
CF5AA	048	1.00	0.97	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CK3BA	048	1.00	0.98	CC5A/CD5AA	060	0.99	0.93
	060	1.02	0.98	CC5A/CD5AW	060	1.00	0.92
CK5A/CK5BA	048	1.00	0.98	CE3AA	060	1.01	0.93
	060	1.02	0.98	CK3BA	060	1.00	0.92
CK5A/CK5BN	048	1.00	0.98	CK5A/CK5BA	060	1.00	0.92
	060	1.02	0.98	CK5A/CK5BT	060	1.00	0.92
CK5A/CK5BW	048	1.00	0.98	CK5A/CK5BX	060	1.02	0.93
CK5A/CK5BX	060	1.03	0.99	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,B,C)	048	1.00	1.00	CC5A/CD5AA	060	0.99	0.93
	060	1.03	1.02	CC5A/CD5AW	060	1.00	0.91
FB4ANB	070	1.05	1.01	CE3AA	060	1.01	0.92
FC4BN(F,B)	048	1.00	0.99	CK3BA	060	1.01	0.93
	060	1.03	1.01	CK5A/CK5BA	060	1.01	0.93
FC4BNB	054	1.04	0.99	CK5A/CK5BT	060	1.01	0.93
	070	1.05	1.00	CK5A/CK5BX	060	1.02	0.92
FG3AAA	048	0.99	0.98	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
	060	1.02	0.98	CK3BA	060	1.01	0.98
FK4BNB	006	1.07	0.95	CK5A/CK5BA	060	1.01	0.98
40FKA/FK4CNB	006	1.05	0.91	CK5A/CK5BN	060	1.01	0.98
40FKA/FK4CNF	005	1.03	0.93	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE				CK3BA	060	1.02	0.97
CE3AA	060	1.01	0.94	CK5A/CK5BA	060	1.02	0.97
	—	—	—	CK5A/CK5BN	060	1.02	0.97

See notes on pg. 22.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F															
		75		85		95		105		115		125					
		Capacity MBtuh†		Total Sys Kw**		Capacity MBtuh†		Total Sys Kw**		Capacity MBtuh†		Total Sys Kw**		Capacity MBtuh†		Total Sys Kw**	
CFM	EWB	Total	Sens‡	Total	Sens‡	Total	Sens‡	Total	Sens‡	Total	Sens‡	Total	Sens‡	Total	Sens‡	Total	Sens‡
38YKC060-32, 33 Outdoor Section With F(A,B)4AN(F,B)060 Indoor Section																	
1800	72	65.8	32.5	4.95	63.8	31.9	5.44	61.2	31.1	5.97	58.4	30.1	6.54	55.1	28.9	7.16	51.8
	67	61.2	42.3	4.89	58.7	41.4	5.35	56.0	40.3	5.87	53.0	39.1	6.42	50.1	38.0	7.00	47.0
	63††	56.8	41.2	4.84	54.4	40.1	5.29	51.8	39.0	5.78	49.2	37.9	6.32	46.5	36.7	6.89	43.4
	62	56.0	51.4	4.82	53.5	50.2	5.27	51.1	49.0	5.77	48.6	47.6	6.30	46.1	46.0	6.89	43.6
	57	54.4	54.4	4.79	52.4	52.4	5.25	50.4	50.4	5.75	48.3	48.3	6.30	46.1	46.1	6.88	43.7
2000	72	66.4	33.5	5.06	64.4	33.0	5.55	61.9	32.2	6.08	59.0	31.3	6.66	55.6	30.1	7.27	52.2
	67	61.9	44.4	5.00	59.3	43.4	5.47	56.5	42.3	5.98	53.5	41.2	6.53	50.5	40.0	7.12	47.4
	63††	57.6	43.1	4.95	55.0	42.0	5.40	52.4	40.9	5.89	49.6	39.7	6.43	46.8	38.5	7.01	43.8
	62	56.8	54.0	4.93	54.4	52.8	5.39	51.9	51.4	5.88	49.6	49.6	6.43	47.2	47.2	7.02	44.8
	57	55.9	55.9	4.92	53.9	53.9	5.38	51.7	51.7	5.88	49.5	49.5	6.43	47.2	47.2	7.02	44.8
2200	72	66.9	34.4	5.17	64.9	34.0	5.66	62.4	33.3	6.19	59.4	32.4	6.77	56.0	31.2	7.38	52.5
	67	62.5	46.3	5.11	59.9	45.3	5.58	57.0	44.3	6.09	53.9	43.1	6.65	50.9	41.9	7.23	47.7
	63††	58.1	45.0	5.06	55.5	43.9	5.51	52.8	42.7	6.00	50.0	41.5	6.54	47.2	40.3	7.12	44.1
	62	57.6	56.5	5.05	55.2	55.0	5.50	52.9	52.9	6.01	50.6	50.6	6.56	48.2	48.2	7.16	45.7
	57	57.2	57.2	5.04	55.1	55.1	5.50	52.9	52.9	6.01	50.6	50.6	6.56	48.2	48.2	7.16	45.7

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.96	0.94	CK5A/CK5BT	060	0.97	0.92
CC5A/CD5AW	060	0.99	0.96	CK5A/CK5BX	060	0.99	0.91
CE3AA	060	1.01	0.96	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CK3BA	060	0.98	0.96	CC5A/CD5AA	060	0.96	0.92
CK5A/CK5BA	060	0.98	0.96	CC5A/CD5AW	060	0.99	0.92
CK5A/CK5BN	060	0.98	0.96	CE3AA	060	0.99	0.92
CK5A/CK5BX	060	1.01	0.96	CK3BA	060	0.97	0.92
F(A,B)4AN(F,B)	060	1.00	1.00	CK5A/CK5BA	060	0.97	0.92
FB4ANB	070	1.03	0.98	CK5A/CK5BT	060	0.97	0.92
FC4BN(F,B)	060	1.00	0.99	CK5A/CK5BX	060	1.00	0.92
FC4BNB	070	1.03	0.98	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
FG3AAA	060	0.99	0.96	CC5A/CD5AA	060	0.96	0.91
FK4BNB	006	1.02	0.96	CC5A/CD5AW	060	0.99	0.92
40FKA/FK4CNB	006	1.01	0.92	CE3AA	060	0.99	0.92
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE				CK3BA	060	0.97	0.91
CC5A/CD5AA	060	0.96	0.92	CK5A/CK5BA	060	0.97	0.91
CE3AA	060	0.99	0.92	CK5A/CK5BT	060	0.97	0.91
CK3BA	060	0.97	0.92	CK5A/CK5BX	060	1.00	0.91
CK5A/CK5BA	060	0.97	0.91	—	—	—	—

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

* Detailed cooling capacities are based on indoor and outdoor unit at the same elevation and connected by 25 ft (9.14m) of tubing. If other than 25 ft (9.14m) 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 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).

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

†† At TVA rating indoor condition (75°edb/63°ewb). All other indoor air temperatures are at 80°edb.

EWB — Entering Wet Bulb

Heat pump heating performance

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
38YKC018-32, 33 Outdoor Section With F(A,B)4ANF018 Indoor Section																									
65	525	6.11	5.62	1.23	8.07	7.41	1.32	10.1	9.25	1.40	12.4	11.0	1.47	14.8	13.5	1.55	17.6	17.6	1.63	20.4	20.4	1.70	23.6	23.6	1.78
	600	6.17	5.68	1.26	8.21	7.55	1.35	10.4	9.44	1.42	12.6	11.2	1.49	15.2	13.8	1.56	17.9	17.9	1.63	20.9	20.9	1.70	24.1	24.1	1.77
	675	6.22	5.72	1.29	8.33	7.65	1.37	10.5	9.60	1.45	12.8	11.4	1.51	15.4	14.0	1.58	18.3	18.3	1.64	21.3	21.3	1.70	24.6	24.6	1.76
70	525	5.80	5.34	1.23	7.74	7.11	1.33	9.80	8.93	1.41	12.0	10.6	1.49	14.4	13.1	1.58	17.1	17.1	1.66	20.1	20.1	1.74	23.0	23.0	1.82
	600	5.87	5.40	1.26	7.88	7.24	1.35	10.0	9.12	1.44	12.2	10.9	1.51	14.8	13.4	1.59	17.5	17.5	1.66	20.4	20.4	1.74	23.6	23.6	1.81
	675	5.91	5.43	1.29	8.00	7.35	1.38	10.2	9.27	1.46	12.5	11.1	1.53	15.0	13.7	1.60	17.8	17.8	1.67	20.8	20.8	1.74	24.1	24.1	1.81
75	525	5.49	5.05	1.23	7.41	6.81	1.33	9.44	8.61	1.42	11.6	10.3	1.51	14.0	12.8	1.60	16.7	16.7	1.69	19.5	19.5	1.77	22.5	22.5	1.86
	600	5.54	5.09	1.25	7.55	6.94	1.36	9.64	8.79	1.45	11.9	10.5	1.53	14.4	13.1	1.62	17.1	17.1	1.70	20.0	20.0	1.77	23.1	23.1	1.85
	675	5.58	5.13	1.28	7.66	7.04	1.39	9.81	8.94	1.47	12.1	10.7	1.55	14.6	13.3	1.63	17.4	17.4	1.71	20.4	20.4	1.78	23.5	23.5	1.85

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	1.00	0.99	FG3AA	024	1.03	1.02
	024	1.03	1.02		COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE		
CC5A/CD5AW	024	1.03	1.02	CC5A/CD5AA	024	0.94	0.90
CE3AA	024	1.03	1.00	CC5A/CD5AW	024	0.94	0.88
CF5AA	024	1.03	1.00	CE3AA	024	0.97	0.92
CK3BA	024	1.03	0.97	CK3BA	024	0.96	0.86
CK5A/CK5BA	018	1.00	0.98	CK5A/CK5BA	024	0.96	0.86
	024	1.03	0.97	CK5A/CK5BW	024	0.96	0.86
CK5A/CK5BW	024	1.03	0.97	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,C)	018	1.00	1.00	CC5A/CD5AW	024	1.03	0.93
	024	1.03	0.98	CK5A/CK5BW	024	1.03	0.93
FC4BNF	024	1.03	0.98	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
FF1DNA	018	1.00	0.98	CC5A/CD5AW	024	1.03	0.92
	024	1.03	0.98	CK5A/CK5BW	024	1.03	0.92

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
38YKC024-31, 32 Outdoor Section With F(A,B)4AN(F,C)024 Indoor Section																									
65	750	8.83	8.12	1.63	11.2	10.3	1.73	13.9	12.7	1.84	16.7	14.8	1.94	19.9	18.2	2.05	23.6	23.6	2.17	27.7	27.7	2.32	32.0	32.0	2.45
	850	9.02	8.30	1.67	11.4	10.5	1.77	14.1	12.9	1.87	17.0	15.1	1.96	20.3	18.5	2.07	24.0	24.0	2.19	28.1	28.1	2.33	32.3	32.3	2.45
	950	9.18	8.45	1.70	11.6	10.7	1.80	14.3	13.1	1.90	17.2	15.3	1.99	20.5	18.7	2.09	24.2	24.2	2.21	28.4	28.4	2.34	32.0	32.0	2.43
70	750	8.42	7.75	1.63	10.8	9.94	1.75	13.4	12.3	1.86	16.2	14.4	1.97	19.5	17.7	2.08	23.0	23.0	2.21	27.1	27.1	2.35	31.5	31.5	2.51
	850	8.62	7.93	1.67	11.0	10.1	1.78	13.7	12.5	1.89	16.5	14.7	1.99	19.8	18.0	2.10	23.4	23.4	2.23	27.5	27.5	2.37	31.8	31.8	2.50
	950	8.80	8.09	1.71	11.2	10.3	1.82	13.9	12.7	1.93	16.8	14.9	2.02	20.0	18.2	2.13	23.7	23.7	2.25	27.8	27.8	2.39	31.7	31.7	2.49
75	750	7.97	7.34	1.64	10.4	9.57	1.76	13.0	11.9	1.88	15.8	14.0	1.99	19.0	17.3	2.12	22.5	22.5	2.24	26.4	26.4	2.39	30.9	30.9	2.56
	850	8.18	7.53	1.68	10.6	9.76	1.80	13.3	12.1	1.91	16.1	14.3	2.02	19.3	17.6	2.14	22.8	22.8	2.26	26.8	26.8	2.41	31.3	31.3	2.56
	950	8.35	7.69	1.72	10.8	9.93	1.83	13.5	12.3	1.95	16.3	14.5	2.05	19.6	17.8	2.16	23.1	23.1	2.28	27.2	27.2	2.43	31.4	31.4	2.56

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	0.98	1.01	COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE			
	030	0.98	1.01	CC5A/CD5AA	024	0.95	0.95
CC5A/CD5AW	024	0.98	1.01	CC5A/CD5AW	024	0.95	0.95
	030	0.98	1.01	CE3AA	024	0.96	0.96
CE3AA	024	0.99	1.00		030	0.94	0.91
	030	1.01	1.00	CK3BA	024	0.98	0.94
CF5AA	024	0.99	1.00	CK5A/CK5BA	024	0.98	0.94
CK3BA	024	1.01	1.00	CK5A/CK5BW	024	0.98	0.94
	030	1.00	1.01	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CK5A/CK5BA	024	1.01	1.00	CK3BA	030	0.97	0.94
	030	1.00	1.01	CK5A/CK5BW	030	0.97	0.94
CK5A/CK5BW	024	1.01	1.00	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
	030	1.00	1.01	CK3BA	024	0.98	0.94
F(A,B)4AN(F,C)	024	1.00	1.00		030	0.97	0.94
	030	1.00	0.99	CK5A/CK5BW	024	0.98	0.94
FC4BNF	024	1.00	1.00	030	0.97	0.94	
	030	1.00	0.99	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
FF1BNA	024	1.01	1.01	CK3BA	024	0.97	0.92
	030	1.01	1.00		030	0.97	0.93
FG3AAA	024	0.98	1.02	CK5A/CK5BW	024	0.97	0.92
FK4CNF	001	0.97	0.91		030	0.97	0.93
40FKA/FK4CNF	002	0.97	0.90	—	—	—	

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
38YKC030-31, 32 Outdoor Section With F(A,B)4AN(F,C)030 Indoor Section																									
65	950	11.5	10.6	1.94	14.4	13.3	2.07	17.7	16.2	2.20	21.2	18.8	2.33	25.3	23.0	2.48	29.9	29.9	2.64	35.1	35.1	2.84	40.8	40.8	3.05
	1050	11.7	10.8	1.98	14.6	13.4	2.10	18.0	16.4	2.23	21.4	19.0	2.35	25.6	23.3	2.49	30.2	30.2	2.65	35.5	35.5	2.85	40.7	40.7	3.02
	1150	11.9	10.9	2.01	14.8	13.6	2.13	18.2	16.6	2.26	21.7	19.2	2.37	25.8	23.5	2.51	30.5	30.5	2.67	35.8	35.8	2.87	40.6	40.6	3.00
70	950	11.1	10.2	1.96	14.0	12.9	2.10	17.3	15.7	2.24	20.7	18.4	2.38	24.7	22.5	2.53	29.3	29.3	2.70	34.4	34.4	2.90	40.0	40.0	3.12
	1050	11.3	10.4	2.00	14.2	13.1	2.13	17.5	16.0	2.27	21.0	18.6	2.40	25.0	22.8	2.54	29.6	29.6	2.71	34.8	34.8	2.91	40.4	40.4	3.11
	1150	11.5	10.5	2.03	14.4	13.2	2.16	17.7	16.1	2.30	21.2	18.8	2.42	25.3	23.0	2.56	29.9	29.9	2.73	35.1	35.1	2.92	40.6	40.6	3.11
75	950	10.7	9.80	1.98	13.6	12.5	2.13	16.8	15.3	2.28	20.3	18.0	2.42	24.2	22.0	2.58	28.6	28.6	2.75	33.7	33.7	2.96	39.3	39.3	3.20
	1050	10.8	9.98	2.02	14.2	13.0	2.16	17.0	15.5	2.30	20.5	18.2	2.44	24.5	22.3	2.60	29.0	29.0	2.77	34.1	34.1	2.97	39.8	39.8	3.19
	1150	11.0	10.1	2.05	14.0	12.8	2.19	17.2	15.7	2.33	20.7	18.4	2.47	24.8	22.5	2.62	29.3	29.3	2.78	34.4	34.4	2.98	39.9	39.9	3.18

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5A	030	0.99	1.02	CK5A/CK5BW	030	0.95	0.95
	036	1.01	0.99	COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE			
CC5A/CD5AW	030	0.99	1.02	CC5A/CD5AA	030	0.93	0.94
CD5AW	036	1.01	0.99	CC5A/CD5AW	030	0.93	0.94
CE3AA	030	1.01	1.01	CE3AA	030	0.95	0.93
	036	1.01	1.01	CK3BA	030	0.95	0.93
CF5AA	036	1.01	1.00	CK5A/CK5BA	030	0.95	0.93
CK3BA	030	1.00	1.01	CK5A/CK5BW	030	0.95	0.93
	036	1.01	0.99	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
CK5A/CK5BA	030	1.00	1.01	CK3BA	030	0.99	0.97
	036	1.01	0.99		036	1.00	0.95
CK5A/CK5BN	036	1.01	0.99	CK5A/CK5BW	030	0.99	0.97
CK5A/CK5BW	030	1.00	1.01		036	1.00	0.95
	036	1.01	0.99	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,C)	030	1.00	1.00	CK3BA	030	0.99	0.97
	036	1.01	1.01		036	1.00	0.95
FC4BNF	030	1.00	1.00	CK5A/CK5BA	036	1.00	0.95
	036	1.01	1.01	CK5A/CK5BW	030	0.99	0.97
FF1BNA	030	1.01	1.01	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
FG3AAA	036	0.98	0.98	CK3BA	030	0.98	0.96
FK4BNF	001	1.01	0.97		036	0.99	0.93
	002	1.02	0.95	CK5A/CK5BW	030	0.98	0.96
	003	0.98	0.91		036	0.99	0.93
FK4CNF	001	0.97	0.94	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
40FKA/FK4CNF	002	0.99	0.92	CK3BA	030	0.98	0.95
	003	0.97	0.91		036	0.99	0.92
COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE				CK5A/CK5BW	030	0.98	0.95
CC5A/CD5AA	030	0.93	0.95		036	0.99	0.92
CC5A/CD5AW	030	0.93	0.95	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CK3BA	030	0.95	0.95	CK3BA	036	0.99	0.93
CK5A/CK5BA	030	0.95	0.95	CK5A/CK5BW	036	0.99	0.93

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																															
		-3				7				17				27				37				47				57				67			
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†					
EDB	CFM	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*	Total	Integ*						
38YKC036-32, 33 Outdoor Section With F(A,B)4AN(F,C)036 Indoor Section																																	
65	1150	13.8	12.7	2.39	17.7	16.3	2.57	21.8	19.9	2.75	26.0	23.1	2.93	31.0	28.2	3.13	36.4	36.4	3.34	42.5	42.5	3.59	49.4	49.4	3.89								
	1250	14.0	12.9	2.43	17.9	16.5	2.61	22.0	20.1	2.79	26.3	23.4	2.96	31.4	28.6	3.15	36.8	36.8	3.36	43.0	43.0	3.60	50.0	50.0	3.90								
	1350	14.2	13.1	2.47	18.1	16.7	2.65	22.3	20.3	2.83	26.6	23.7	2.99	31.7	28.8	3.18	37.2	37.2	3.38	43.5	43.5	3.62	50.5	50.5	3.91								
70	1150	13.0	12.0	2.40	17.1	15.7	2.59	21.1	19.3	2.79	25.3	22.5	2.97	30.3	27.5	3.18	35.6	35.6	3.40	41.6	41.6	3.66	48.3	48.3	3.96								
	1250	13.2	12.2	2.44	17.8	16.3	2.63	21.4	19.5	2.82	25.7	22.8	3.01	30.6	27.9	3.21	36.0	36.0	3.42	42.1	42.1	3.67	48.9	48.9	3.97								
	1350	13.5	12.4	2.48	17.5	16.1	2.67	21.7	19.7	2.86	26.0	23.1	3.04	30.9	28.2	3.24	36.4	36.4	3.45	42.5	42.5	3.69	49.4	49.4	3.99								
75	1150	12.2	11.2	2.41	16.3	15.0	2.61	20.5	18.7	2.82	24.7	21.9	3.02	29.5	26.8	3.24	34.8	34.8	3.47	40.6	40.6	3.73	47.2	47.2	4.03								
	1250	12.4	11.4	2.45	17.2	15.8	2.65	20.8	18.9	2.86	25.0	22.2	3.05	29.9	27.2	3.26	35.2	35.2	3.49	41.1	41.1	3.74	47.8	47.8	4.05								
	1350	12.6	11.6	2.49	16.8	15.5	2.69	21.0	19.2	2.89	25.2	22.4	3.08	30.2	27.5	3.29	35.6	35.6	3.51	41.5	41.5	3.76	48.3	48.3	4.06								

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	0.99	0.98	CE3AA	042	0.96	0.90
	042	1.00	0.98	CK3BA	042	0.96	0.90
	043	0.99	0.98	CK5A/CK5BA	042	0.96	0.90
CC5A/CD5AW	042	0.99	0.99	CK5A/CK5BT	042	0.96	0.90
	043	0.99	0.98	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CD5AW	036	0.99	0.98	CC5A/CD5AA	042	0.95	0.91
CE3AA	036	0.98	0.98	CC5A/CD5AW	042	0.95	0.92
	042	1.01	0.97	CE3AA	042	0.96	0.91
CF5AA	036	0.99	0.98	CK3BA	042	0.96	0.91
CK3BA	036	1.00	0.97	CK5A/CK5BA	042	0.96	0.91
	042	1.00	0.97	CK5A/CK5BT	042	0.96	0.91
CK5A/CK5BA	036	1.00	0.97	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
	042	1.00	0.97	CC5A/CD5AA	042	0.95	0.91
CK5A/CK5BN	036	0.97	0.97	CC5A/CD5AW	042	0.94	0.91
	042	1.00	0.97	CE3AA	042	0.96	0.90
CK5A/CK5BW	036	1.00	0.97	CK3BA	042	0.96	0.90
F(A,B)4AN(F,C)	036	1.00	1.00	CK5A/CK5BA	042	0.96	0.90
F(A,B)4AN(F,B,C)	042	1.01	0.99	CK5A/CK5BT	042	0.96	0.90
FC4BNF	036	1.00	1.00	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
FC4BN(F,B)	042	1.01	0.99	CK3BA	036	0.99	0.96
FG3AAA	036	0.99	0.99		042	0.99	0.95
FK4BNF	001	0.98	0.96	CK5A/CK5BA	042	0.99	0.95
	002	1.00	0.96	CK5A/CK5BW	036	0.99	0.96
	003	0.98	0.92	COILS + 58MVP060-14 VARIABLE SPEED FURNACE			
	004	1.01	0.92	CK3BA	042	0.99	0.95
FK4CNF	001	0.96	0.94	CK5A/CK5BN	042	0.99	0.95
40FKA/FK4CNF	002	0.98	0.93	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	003	0.96	0.91	CK3BA	036	0.99	0.95
COILS + 58CV(A,X)070-12 VARIABLE SPEED FURNACE					042	0.99	0.93
CE3AA	042	0.96	0.92	CK5A/CK5BA	042	0.99	0.93
CK5A/CK5BE	042	0.97	0.92	CK5A/CK5BW	036	0.99	0.95
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE				COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CC5A/CD5AA	042	0.95	0.91	CK3BA	036	0.99	0.93
CE3AA	042	0.96	0.91		042	0.98	0.92
CK3BA	042	0.96	0.91	CK5A/CK5BA	042	0.98	0.92
CK5A/CK5BA	042	0.96	0.91	CK5A/CK5BW	036	0.99	0.93
CK5A/CK5BE	042	0.97	0.90	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CK5A/CK5BT	042	0.96	0.91	CK3BA	036	0.99	0.93
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE					042	0.98	0.92
CC5A/CD5AA	042	0.95	0.91	CK5A/CK5BA	042	0.98	0.92
CC5A/CD5AW	042	0.94	0.91	CK5A/CK5BW	036	0.99	0.93

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†
EDB	CFM	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
38YKC042-32, 33 Outdoor Section With F(A,B)4AN(F,B,C)042 Indoor Section																									
65	1300	17.2	15.9	2.80	21.5	19.8	3.00	26.2	23.9	3.20	31.2	27.7	3.40	37.0	33.7	3.62	43.6	43.6	3.87	51.0	51.0	4.16	59.2	59.2	4.52
	1400	17.5	16.1	2.84	21.7	20.0	3.04	26.5	24.1	3.23	31.5	28.0	3.42	37.4	34.0	3.64	44.0	44.0	3.88	51.5	51.5	4.18	59.8	59.8	4.53
	1500	17.7	16.2	2.88	21.9	20.2	3.07	26.7	24.4	3.27	31.8	28.2	3.45	37.7	34.3	3.66	44.4	44.4	3.90	51.9	51.9	4.19	60.2	60.2	4.54
70	1300	16.5	15.2	2.82	20.9	19.2	3.04	25.5	23.3	3.25	30.4	27.0	3.46	36.2	32.9	3.69	42.6	42.6	3.94	49.9	49.9	4.25	58.0	58.0	4.61
	1400	16.7	15.4	2.86	21.1	19.4	3.08	25.8	23.5	3.29	30.7	27.3	3.49	36.5	33.2	3.71	43.0	43.0	3.96	50.4	50.4	4.26	58.5	58.5	4.62
	1500	17.0	15.6	2.91	21.3	19.6	3.11	26.0	23.7	3.32	31.0	27.6	3.52	36.9	33.5	3.74	43.4	43.4	3.98	50.8	50.8	4.28	59.0	59.0	4.63
75	1300	15.7	14.5	2.84	20.2	18.6	3.07	24.8	22.6	3.30	29.7	26.4	3.52	35.3	32.1	3.76	41.6	41.6	4.02	48.8	48.8	4.33	56.7	56.7	4.69
	1400	16.0	14.7	2.89	21.0	19.3	3.11	25.1	22.9	3.33	30.0	26.7	3.55	35.7	32.5	3.78	42.0	42.0	4.04	49.3	49.3	4.34	57.3	57.3	4.70
	1500	16.2	14.9	2.93	20.7	19.0	3.15	25.3	23.1	3.37	30.3	26.9	3.58	36.0	32.8	3.81	42.4	42.4	4.06	49.7	49.7	4.36	57.8	57.8	4.72

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	042	0.99	0.99	CK5A/CK5BA	048	0.97	0.91
	043	0.99	0.99	CK5A/CK5BT	048	0.97	0.91
CC5A/CD5AW	042	0.98	0.98	CK5A/CK5BW	048	0.97	0.91
	043	0.99	0.99	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
	048	0.99	0.98	CC5A/CD5AC	048	0.95	0.96
CC5A/CD5AC	048	0.98	1.00	CC5A/CD5AW	048	0.95	0.92
CD5AA	048	0.99	0.98	CD5AA	048	0.97	0.93
CE3AA	042	1.00	0.99	CE3AA	048	0.97	0.92
	048	1.00	0.98	CK3BA	048	0.97	0.91
CF5AA	048	0.99	0.98	CK5A/CK5BA	048	0.97	0.91
CK3BA	042	0.99	0.98	CK5A/CK5BT	048	0.97	0.91
	048	1.00	0.98	CK5A/CK5BW	048	0.97	0.91
CK5A/CK5BA	042	0.99	0.98	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
	048	1.00	0.98	CC5A/CD5AC	048	0.95	0.96
CK5A/CK5BN	042	0.99	0.98	CC5A/CD5AW	048	0.97	0.93
	048	1.00	0.98	CD5AA	048	0.97	0.93
CK5A/CK5BW	048	1.00	0.98	CE3AA	048	0.97	0.92
F(A,B)4AN(F,B,C)	042	1.00	1.00	CK3BA	048	0.97	0.91
	048	1.01	0.98	CK5A/CK5BA	048	0.97	0.91
FC4BN(F,B)	042	1.00	1.00	CK5A/CK5BT	048	0.97	0.91
	048	1.01	0.98	CK5A/CK5BW	048	0.97	0.91
FG3AAA	048	1.00	0.98	COILS + 58MVP040-14 VARIABLE SPEED FURNACE			
FK4BNB	005	1.01	0.91	CK3BA	048	1.00	0.98
FK4BNF	003	0.98	0.94	CK5A/CK5BW	048	1.00	0.98
40FKA/FK4CNF	003	0.97	0.94	COILS + 58MVP080-14 VARIABLE SPEED FURNACE			
	005	0.99	0.90	CK3BA	042	0.99	0.98
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE					048	1.00	0.96
CC5A/CD5AC	048	0.95	0.97	CK5A/CK5BA	042	0.99	0.98
CD5AA	048	0.97	0.93	CK5A/CK5BW	048	1.00	0.96
CE3AA	048	0.97	0.93	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
CK3BA	048	0.97	0.92	CK3BA	042	0.99	0.96
CK5A/CK5BA	048	0.97	0.92		048	0.99	0.94
CK5A/CK5BT	048	0.97	0.92	CK5A/CK5BA	042	0.99	0.96
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE					048	0.99	0.94
CC5A/CD5AC	048	0.95	0.96	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
CC5A/CD5AW	048	0.97	0.93	CK3BA	042	0.99	0.96
CD5AA	048	0.97	0.93		048	0.99	0.94
CE3AA	048	0.97	0.92	CK5A/CK5BA	042	0.99	0.96
CK3BA	048	0.97	0.91	CK5A/CK5BW	048	0.99	0.94

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																															
		-3				7				17				27				37				47				57				67			
EDB	CFM	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†					
		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*						
38YKC048-33, 34 Outdoor Section With F(A,B)4AN(F,B,C)048 Indoor Section																																	
65	1500	23.4	21.5	3.42	27.6	25.4	3.55	32.3	29.5	3.68	37.4	33.2	3.82	43.4	39.5	4.00	50.1	50.1	4.22	58.1	58.1	4.52	67.2	67.2	4.92								
	1650	23.7	21.8	3.45	27.9	25.6	3.57	32.6	29.7	3.70	37.7	33.5	3.83	43.7	39.8	4.00	50.5	50.5	4.21	58.5	58.5	4.50	67.7	67.7	4.91								
	1800	23.9	22.0	3.49	28.1	25.9	3.61	32.9	30.0	3.72	38.0	33.7	3.85	44.0	40.1	4.01	50.9	50.9	4.22	58.9	58.9	4.51	68.1	68.1	4.92								
70	1500	23.1	21.3	3.56	27.4	25.2	3.71	32.0	29.2	3.85	37.0	32.9	4.01	42.9	39.1	4.20	49.6	49.6	4.43	57.4	57.4	4.73	66.4	66.4	5.14								
	1650	23.4	21.5	3.59	27.7	25.4	3.74	32.3	29.5	3.87	37.4	33.2	4.02	43.3	39.4	4.19	50.0	50.0	4.41	57.9	57.9	4.71	67.0	67.0	5.12								
	1800	23.6	21.7	3.63	27.9	25.6	3.77	32.6	29.7	3.90	37.6	33.4	4.03	43.6	39.7	4.20	50.3	50.3	4.41	58.3	58.3	4.71	67.4	67.4	5.12								
75	1500	22.7	20.9	3.69	27.1	24.9	3.87	31.7	28.9	4.03	36.7	32.6	4.20	42.5	38.7	4.40	49.1	49.1	4.64	56.8	56.8	4.95	65.7	65.7	5.37								
	1650	23.0	21.1	3.73	27.4	25.2	3.90	32.0	29.2	4.05	37.0	32.9	4.21	42.9	39.0	4.39	49.5	49.5	4.62	57.3	57.3	4.93	66.2	66.2	5.34								
	1800	23.2	21.4	3.77	27.6	25.4	3.93	32.3	29.4	4.07	37.3	33.1	4.22	43.2	39.3	4.40	49.8	49.8	4.62	57.6	57.6	4.92	66.7	66.7	5.33								

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AC	048	0.98	1.09	COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE			
CC5A/CD5AW	048	0.98	1.02	CC5A/CD5AA	060	0.96	1.01
	060	0.99	0.98	CE3AA	060	0.96	0.96
CC5A/CD5AA	060	0.99	1.04	CK3BA	060	0.96	0.92
CD5AA	048	0.99	1.02	CK5A/CK5BA	060	0.96	0.92
CE3AA	048	0.99	1.01	CK5A/CK5BT	060	0.96	0.92
	060	0.99	0.98	CK5A/CK5BX	060	0.96	0.92
CF5AA	048	0.98	1.04	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CK3BA	048	0.99	1.01	CC5A/CD5AA	060	0.96	1.02
	060	0.99	1.01	CC5A/CD5AW	060	0.96	0.96
CK5A/CK5BA	048	0.99	1.01	CE3AA	060	0.96	0.96
	060	0.99	1.01	CK3BA	060	0.96	0.92
CK5A/CK5BN	048	0.99	1.01	CK5A/CK5BA	060	0.96	0.92
	060	0.99	1.01	CK5A/CK5BT	060	0.96	0.92
CK5A/CK5BW	048	0.99	1.01	CK5A/CK5BX	060	0.96	0.92
CK5A/CK5BX	060	1.00	0.98	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
F(A,B)4AN(F,B,C)	048	1.00	1.00	CC5A/CD5AA	060	0.96	1.01
	060	1.01	0.99	CC5A/CD5AW	060	0.96	0.96
FB4ANB	070	1.01	0.95	CE3AA	060	0.96	0.96
FC4BN(F,B)	048	1.00	1.00	CK3BA	060	0.96	0.92
	060	1.01	0.99	CK5A/CK5BA	060	0.96	0.92
FC4BNB	054	1.00	0.94	CK5A/CK5BT	060	0.96	0.92
	070	1.01	0.95	CK5A/CK5BX	060	0.96	0.92
FG3AAA	048	0.99	1.01	COILS + 58MVP100-20 VARIABLE SPEED FURNACE			
	060	0.99	1.00	CK3BA	060	0.99	0.96
FK4BNB	006	0.99	0.89	CK5A/CK5BA	060	0.99	0.96
40FKA/FK4CNB	006	1.00	0.91	CK5A/CK5BN	060	0.99	0.96
40FKA/FK4CNF	005	1.00	0.96	COILS + 58MVP120-20 VARIABLE SPEED FURNACE			
COILS + 58CV(A,X)090-16 VARIABLE SPEED FURNACE				CK3BA	060	0.99	0.96
CE3AA	060	0.96	0.97	CK5A/CK5BA	060	0.99	0.96
	—	—	—	CK5A/CK5BN	060	0.99	0.96

See notes on pg. 29.

Heat pump heating performance continued

INDOOR AIR		OUTDOOR COIL ENTERING AIR TEMPERATURES °F																							
		-3			7			17			27			37			47			57			67		
		Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†	Capacity MBtuh		Total Power Kw†
Total	Integ*	Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*		Total	Integ*	
EDB	CFM																								
38YKC060-32, 33 Outdoor Section With F(A,B)4AN(F,B)060 Indoor Section																									
65	1800	28.6	26.3	4.27	33.9	31.1	4.43	39.5	36.0	4.59	45.8	40.7	4.77	53.0	48.2	5.00	61.1	61.1	5.26	70.5	70.5	5.61	81.1	81.1	6.07
	2000	29.0	26.7	4.33	34.2	31.5	4.48	39.9	36.4	4.63	46.3	41.1	4.80	53.6	48.7	5.01	61.7	61.7	5.26	71.2	71.2	5.60	82.0	82.0	6.04
	2200	29.4	27.0	4.41	34.6	31.8	4.54	40.3	36.8	4.68	46.7	41.5	4.84	54.0	49.2	5.04	62.3	62.3	5.28	71.8	71.8	5.61	82.7	82.7	6.05
70	1800	28.0	25.8	4.42	33.5	30.8	4.61	39.1	35.6	4.78	45.3	40.3	4.98	52.4	47.7	5.21	60.4	60.4	5.49	69.6	69.6	5.85	80.1	80.1	6.31
	2000	28.5	26.2	4.48	33.9	31.1	4.66	39.5	36.0	4.82	45.8	40.7	5.00	53.0	48.2	5.22	61.0	61.0	5.48	70.4	70.4	5.83	81.0	81.0	6.28
	2200	28.9	26.6	4.56	34.3	31.5	4.72	39.9	36.4	4.87	46.3	41.1	5.04	53.5	48.6	5.25	61.6	61.6	5.50	71.0	71.0	5.83	81.7	81.7	6.28
75	1800	27.4	25.2	4.57	33.1	30.4	4.79	38.7	35.2	4.98	44.9	39.8	5.19	51.8	47.2	5.43	59.7	59.7	5.72	68.7	68.7	6.09	79.1	79.1	6.57
	2000	27.8	25.6	4.64	33.5	30.8	4.84	39.1	35.6	5.02	45.3	40.3	5.21	52.4	47.7	5.44	60.3	60.3	5.71	69.5	69.5	6.07	80.0	80.0	6.53
	2200	28.3	26.0	4.71	33.9	31.1	4.90	39.5	36.0	5.07	45.8	40.7	5.25	52.9	48.1	5.47	60.9	60.9	5.73	70.1	70.1	6.07	80.7	80.7	6.52

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.97	1.06	CK5A/CK5BT	060	0.97	0.95
CC5A/CD5AW	060	0.98	0.99	CK5A/CK5BX	060	0.98	0.95
CE3AA	060	0.98	0.99	COILS + 58CV(A,X)135-22 VARIABLE SPEED FURNACE			
CK3BA	060	0.98	1.01	CC5A/CD5AA	060	0.97	1.04
CK5A/CK5BA	060	0.98	1.01	CC5A/CD5AW	060	0.97	0.99
CK5A/CK5BN	060	0.98	1.01	CE3AA	060	0.97	0.98
CK5A/CK5BX	060	0.98	0.98	CK3BA	060	0.97	0.95
F(A,B)4AN(F,B)	060	1.00	1.00	CK5A/CK5BA	060	0.97	0.95
FB4ANB	070	1.00	0.95	CK5A/CK5BT	060	0.97	0.95
FC4BN(F,B)	060	1.00	1.00	CK5A/CK5BX	060	0.98	0.95
FC4BNB	070	1.00	0.95	COILS + 58CV(A,X)155-22 VARIABLE SPEED FURNACE			
FG3AAA	060	0.98	1.00	CC5A/CD5AA	060	0.97	1.03
FK4BNB	006	0.99	0.93	CC5A/CD5AW	060	0.97	0.98
40FKA/FK4CNB	006	0.98	0.93	CE3AA	060	0.97	0.98
COILS + 58CV(A,X)110-22 VARIABLE SPEED FURNACE				CK3BA	060	0.97	0.94
CC5A/CD5AA	060	0.97	1.04	CK5A/CK5BA	060	0.97	0.94
CE3AA	060	0.97	0.97	CK5A/CK5BT	060	0.97	0.94
CK3BA	060	0.97	0.95	CK5A/CK5BX	060	0.98	0.94
CK5A/CK5BA	060	0.97	0.95	—	—	—	—

NOTE: When the required data falls between the published data, interpolation may be performed. Extrapolation is not an acceptable practice.

* The Btuh heating capacity values shown are net "integrated" values from which the defrost effect has been subtracted. The Btuh heating from supplement heaters should be added to those values to obtain total system capacity.

† The kw values include the compressor, outdoor fan motor, and indoor blower motor. The kw from supplement heaters should be added to these values to obtain total system kilowatts.

EDB — Entering Dry Bulb

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 for cooling mode without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature for cooling mode is 125°F (51.7°C).
4. Minimum outdoor operating air temperature for heating mode is -30°F (-34.4°C).
5. Maximum outdoor operating air temperature for heating mode is 66°F (18.9°C).
6. For reliable operation, unit should be level in all horizontal planes.
7. 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 8 and 9 following.)
8. For interconnecting refrigerant tube lengths greater than 50 ft, consult the Residential Split-System Long-Line Application Guideline available from equipment distributor.
9. If any refrigerant tubing is buried, provide a minimum 6-in. vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. may be buried without further consideration. For buried refrigerant tubing lengths greater than 36 in., see your local distributor.
10. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
11. Mismatches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort.

Guide specifications

**Air-Cooled, Split-System
Heat Pump
38YKC
1-1/2 to 5 Tons Nominal**

GENERAL

System Description

Outdoor-mounted, air-cooled, split-system heat pump unit suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, and a control box. Unit will discharge supply air upward as shown on contract drawings. Unit will be used in a refrigeration circuit to match up to a packaged fan coil or coil unit.

Quality Assurance

Unit will be rated in accordance with the latest edition of ARI Standard 240.

Unit will be certified for capacity and efficiency, and listed in the latest ARI directory.

Unit construction will comply with latest edition of ANSI/ASHRAE and with NEC.

Unit will be constructed in accordance with UL standards and will carry the UL label of approval. Unit will have C-UL approval.

Unit cabinet will be capable of withstanding Federal Test Method Standard No. 141 (Method 6061) 500-hr salt spray test.

Air-cooled condenser coils will be leak tested at 217 psig and pressure tested at 450 psig.

Delivery, Storage, and Handling

Unit will be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Warranty (for inclusion by specifying engineer)

U.S. and Canada only.

PRODUCTS

Equipment

Factory assembled, single piece, air-cooled heat pump unit. Contained within the unit enclosure will be all factory wiring, piping, controls, compressor, refrigerant charge (Puron®), and special features required prior to field start-up.

Unit Cabinet

Unit cabinet will be constructed of galvanized steel, bonderized, and coated with a powder coat paint.

Fans

Condenser fan will be direct-drive propeller type, discharging air upward.

Condenser fan motors will be totally enclosed, 1-phase type with class B insulation and permanently lubricated bearings.

Shafts will be corrosion resistant.

Fan blades will be statically and dynamically balanced.

Condenser fan openings will be equipped with steel wire safety guards.

Compressor

Compressor will be hermetically sealed.

Compressor will be mounted on rubber vibration isolators.

Condenser Coil

Condenser coil will be air cooled.

Coil will be constructed of aluminum fins mechanically bonded to copper tubes which are then cleaned, dehydrated, and sealed.

Refrigeration Components

Refrigeration circuit components will include liquid tube shutoff valve with sweat connections, suction tube shutoff valves with sweat connections, system charge of Puron® refrigerant, POE compressor oil, accumulator, and reversing valve.

Operating Characteristics

The capacity of the unit will meet or exceed ____ Btuh at a suction temperature of ____ °F. The power consumption at full load will not exceed ____ kW.

Combination of the unit and the evaporator or fan coil unit will have a total net cooling capacity of ____ Btuh or greater at conditions of ____ CFM entering air temperature at the evaporator at ____ °F wet bulb and ____ °F dry bulb, and air entering the unit at ____ °F.

The system will have an SEER of ____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

Nominal unit electrical characteristics will be ____ v, ____ phase, 60 Hz. The unit will be capable of satisfactory operation within voltage limits of ____ v to ____ v.

Unit electrical power will be single point connection.

Control circuit will be 24v.

Special Features

Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

