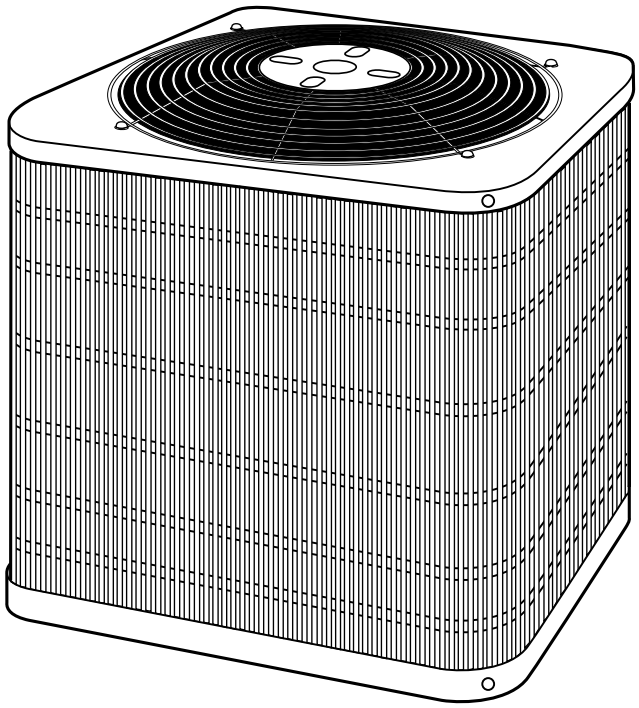
Carrier®
HEATING & COOLING

Product Data

38BYG (60 Hz)
12 SEER Heat Pump

Sizes 018 thru 060



The 38BYG Outdoor Sections of Split-System Heat Pumps are designed for quiet, reliable heating during the winter and cooling during the summer. With a SEER of up to 14.0 and HSPF of up to 8.3, these heat pump systems provide economy of operation through energy conservation. They recover heat for indoor comfort from outdoor air during the heating season and, by automatically reversing the refrigerant system, remove indoor heat and excess humidity during the cooling season. All models are listed with UL (U.S. and Canada), CEC, and ARI.

FEATURES/BENEFITS

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

Size Range — 38BYG is available in 7 nominal sizes from 018 through 060 to meet the needs of residential and light commercial applications.

Compressor — This unit features a scroll compressor which is significantly more efficient than conventional compressors. Its simple design offers improved reliability. Each compressor is mounted on rubber isolators for additional sound reduction. For improved serviceability, all models are equipped with a compressor terminal plug. 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.)

Built-in-Reliable Components — Includes a suction-tube accumulator that reduces the amount of liquid refrigerant reaching the compressor, a loss of charge switch, and an internal pressure relief valve for high-pressure protection.

Defrost Control Board — Incorporates a defrost relay, defrost timer, and low-voltage terminations. The defrost control is a time/temperature initiation/termination control which includes 3 field-selectable time periods of 30, 50, and 90 minutes.

Thermostatic Expansion Valve (TXV) — This unit must be installed with a TXV on the indoor coil. The FC4 and FK4 indoor fan coils come factory equipped with a bi-flow TXV. When installed in this application, no further change is required. If any other indoor fan coil or furnace coil is used, an accessory bi-flow TXV must be installed. See accessory list in this publication for correct part number.

Discharge Muffler — Incorporated to minimize low frequency sound and pressure pulsation generated by compressor discharge gas.

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

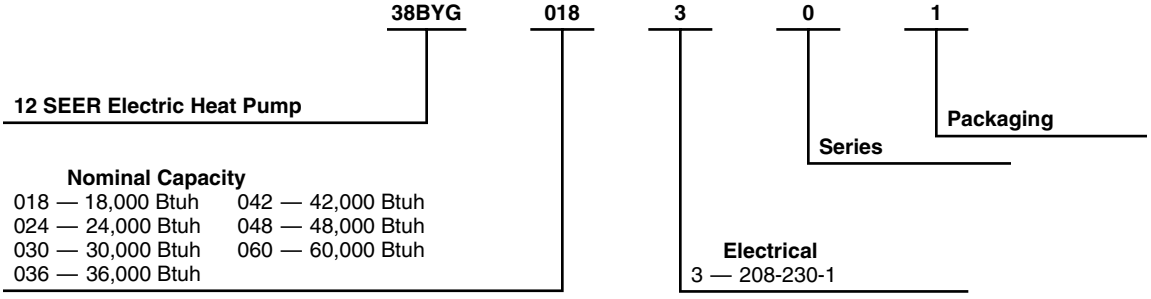
All screws on cabinet exterior are coated for a long-lasting, rust-resistant, quality appearance.

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 tube and enhanced aluminum fin 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. The condenser coil can be cleaned with a common garden hose.

External Service Valves — Both service valves are brass, front seating type. Valves are externally located so refrigerant tube connections can be made quickly and easily with sweat field connections. Each valve has a service port for ease of checking operating refrigerant pressures.

Limited Warranty — Standard 5-year limited warranty on parts and 5-year limited warranty on compressor and outdoor coil.

Model number nomenclature



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

ISO 9001:2000

CERTIFICATE NO. FM 28768

APPROVALS
ISO 9001
EN 29001
BS 5750 PART 1
ANSI/ASQC Q91

REGISTERED QUALITY SYSTEM

ENERGY STAR

* As an ENERGY STAR® Partner, Carrier Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

*Refer to the combination ratings in the Product Data Digest for system combinations meeting ENERGY STAR® efficiency standards.

Physical data

UNIT SIZE	018	024	030	036	042	048	060
OPERATING WT (Lb)	115	166	182	182	209	250	278
COMPRESSOR							
Type	Scroll						
REFRIGERANT							
Control	R-22 TXV						
Charge (Lb) @ 15 Ft	5.5	6.25	6.88	8.00	10.38	11.13	14.00
CONDENSER FAN							
Air Discharge	Propeller Type, Direct Drive Vertical						
Air Qty (CFM)	1800	2800	2800	2800	2800	2800	3400
Motor RPM (60 Hz)	1100	825	825	825	825	825	1125
CONDENSER COIL							
Face Area (Sq ft)	12.4	14.8	18.5	18.5	16.18	18.5	22.40
Fins per in	20	20	20	20	20	20	20
Rows	1	1	1	1	2	2	2
Circuits	2	3	3	4	5	5	6
CONNECTION VALVE (In. ID)							
	Sweat						
Liquid	5/8	3/4	3/4	3/4	7/8	7/8	7/8
Vapor	3/8	3/8	3/8	3/8	3/8	3/8	3/8
REFRIGERANT TUBES (In. OD)							
Vapor	5/8	3/4	3/4	3/4	7/8	1-1/8	1-1/8
Liquid	3/8	3/8	3/8	3/8	3/8	3/8	3/8

NOTE: See unit Installation Instructions for proper installation.

METERING DEVICE

UNIT SIZE	SERIES	OUTDOOR PISTON	INDOOR TXV*
018	30	42	KSATX0601HSO
024	30	52	KSATX0601HSO
030	30	55	KSATX0601HSO
036	30	61	KSATX0601HSO
042	30	65	KSATX0601HSO
048	30	73	KSATX0701HSO
060	30	78	KSATX1001HSO

* TXV must be ordered separately when indoor coil is not equipped with a TXV. TXV is listed for any approved coil combination. All TXVs are bi-flow, hard shutoff.

Accessories

ORDERING NUMBER	DESCRIPTION
KAATD0101TDR	Time-Delay Relay — All Sizes
KSALA0401AAA†	MotorMaster®—Low-Ambient Controller — All Sizes
HC34GE232 (RCD)	Ball Bearing Fan Motor — Size 018
HC38GE231 (RCD)	Ball Bearing Fan Motor — Size 024–048
HC40GE232 (RCD)	Ball Bearing Fan Motor — Size 060
KAAFT0101AAA*	Evaporator Freeze Thermostat — All Sizes
KHAIR0101AAA*	Isolation Relay — All Sizes
KSAHS1501AAA	Compressor Start Assist — Capacitor/Relay — Sizes 018–042
KSAHS1701AAA	Compressor Start Assist — Capacitor/Relay — Size 048
KSAHS1601AAA	Compressor Start Assist — Capacitor/Relay — Size 060
KAACS0201PTC	Compressor Start Assist — PTC — All Sizes
KAACH1401AAA	Crankcase Heater — Size 018
KAACH1201AAA	Crankcase Heater — Sizes 024–048
KSASH1801COP	Sound Hood — Sizes 018–030
KSASH0601COP	Sound Hood — Sizes 036, 042
KSASH2101COP	Sound Hood — Sizes 048, 060
KHAOT0301FST	Outdoor Thermostat — All Sizes
KHAOT0201SEC	Secondary Outdoor Thermostat — All Sizes
KSALA0201R22	Low-Ambient Pressure Switch Kit — All Sizes
KSATX0601HSO	Thermostatic Expansion Valve (Hard Shutoff) — Sizes 018–042
KSATX0701HSO	Thermostatic Expansion Valve (Hard Shutoff) — Size 048
KSATX1001HSO	Thermostatic Expansion Valve (Hard Shutoff) — Size 060
Standard	Low-Pressure Switch — All Sizes
KHAHI0101HPS	High-Pressure Switch — All Sizes
P504-8083S (RCD)	Liquid-Line Filter Drier (Bi-flow) — Sizes 018–036
P504-8163S (RCD)	Liquid-Line Filter Drier (Bi-flow) — Sizes 042–060
KHALS0401LLS	Liquid Solenoid Valve (LSV) — All Sizes
KAACF1001MED	Coastal Filter Kit — Size 018
KAACF1101LRG	Coastal Filter Kit — Sizes 024–060

* Use with low-ambient controller.
† Fan motor with ball bearings required.

THERMOSTAT PKG	DESCRIPTION
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.)
TSTATCCPDF01-B*	Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, Dual Fuel Thermostat, Must be used with Outdoor Sensor (TSTATXXSEN01-B) Included
TSTATCCPHP01-B	Thermostat, Auto Changeover, 7-Day Programmable, °F /°C, 2-Stage Heat, 1-Stage Cool
TSTATCCNHP01-C	Thermostat, Auto Changeover, Non-Programmable, °F /°C, 2-Stage Heat, 1-Stage Cool
TSTATCCSHP01	Standard Programmable Thermostat — Manual Changeover, 5-2 Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool
TSTATCCBHP01-B	Builder's Thermostat, Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool
TSTATXXSEN01-B	Outdoor Air Temperature Sensor
TSTATXXNBP01	Backplate for Non-Programmable Thermostat
TSTATXXPBP01	Backplate for Programmable Thermostat and Thermidistat Control
TSTATXXBBP01	Backplate for Builder's Thermostat
TSTATXXSBP01	Backplate for Standard Programmable Thermostat
TSTATXXCNV01	Thermostat Conversion Kit (4 to 5 Wire) — 10 Pack

* High-pressure switch must be added if not supplied with the system.
† Do not use in zoning heat pump applications.

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
Accumulator	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes
MotorMaster®—Low-Ambient Controller	Yes	No
Wind Baffle	See Low-Ambient Instructions	No
Coastal Filter	No	No
Liquid-Line Solenoid Valve	No	See Long-Line Application Guideline
Ball Bearing Fan Motor	Yes	No

***** For tubing line sets between 50 and 175 ft horizontal or 20 ft vertical differential, refer to Long-Line section of Application Guideline and Service Manual—Air Conditioners and Heat Pumps Using R-22 Refrigerant.

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.
   Usage Guideline:
   Required on all units when MotorMaster®—Low-Ambient Controller is installed.
2. **Coastal Filter**
   A mesh screen inserted under the top cover and inside the base pan to protect the condenser coil from salt damage without restricting airflow.
3. **Compressor Start Assist – Capacitor and Relay**
   Start capacitor and relay gives a "hard" boost to compressor motor at each start up.
   Usage Guideline:
   Required for single-phase reciprocating compressors in the following applications:
   Long line
   Low ambient cooling
   Hard shut off expansion valve on indoor coil
   Liquid line solenoid on indoor coil
   Required for single-phase scroll compressors in the following applications:
   Long line
   Low ambient cooling
   Suggested for all compressors in areas with a history of low voltage problems
4. **Compressor Start Assist – PTC Type**
   Solid-state electrical device which gives a "soft" boost to the compressor motor at each start up.
   Usage Guideline:
   Suggested when compressor power supply is marginal.
   Suggested in reciprocating compressor applications with rapid pressure balance (RPB) expansion valve on indoor coil.
5. **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 the chance of liquid slugging.
   Note: Some heat pumps are factory supplied with a crankcase heater. See accessory list for units that come standard with a crankcase heater. For units that do not, use the guideline below.
   Usage Guideline:
   Required in low ambient cooling applications.
   Required in long line applications.
   Suggested in all commercial applications.
6. **Cycle Protector**
   Solid-state timing device which prevents compressor rapid recycling. This control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including normal room thermostat cycling.
   Usage Guideline:
   Suggested in the following applications:
   Installations in areas where power interruptions are frequent.
   Where user is likely to "play" with the room thermostat.
   All commercial installations.
   Long line applications.
   High-rise applications.
7. **Evaporator Freeze Thermostat**
   An SPST temperature-actuated switch that stops unit operation when evaporator reaches freeze-up conditions.
   Usage Guideline:
   Required when low-ambient kit has been added.

Accessory description and usage (continued)

8. **Filter Drier**
   A device for removing contaminants from refrigerant circulating in a heat pump system: two-direction flow.
   Usage Guideline:
   Suggested in all field-connected split-system heat pumps.

9. **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 426 ± 10 psig and resets at 320 ± 20 psig. Provides protection against compressor damage due to loss of outdoor airflow.
   Usage Guideline:
   Suggested in installations exposed to "very dirty" outdoor air.
   Suggested in installations where condenser inlet air temperature exceeds 125°F (51.7°C).

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.
    Usage Guideline:
    Required in all heat pumps where low-ambient kit has been added.

11. **Liquid-Line Solenoid Valve (LLS)**
    An electrically operated shutoff valve which stops and starts refrigerant liquid flow in response to compressor operation. It maintains a column of refrigerant liquid ready for action at next compressor operation cycle. It also provides system protection against off-cycle refrigerant migration.
    Note: When LLS is used with reciprocating compressors, Compressor Start Assist — Capacitor and Relay is required.
    Usage Guideline:
    Required in all heat pump long line applications to control refrigerant off cycle migration in the heating mode. A second LLS or hard shut off TXV is required in heat pump long line applications for refrigerant off cycle migration in the cooling mode. See Long Line Application Guideline.

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 will maintain working head pressure at low-ambient temperatures down to 0°F (–17.8°C) when properly installed.
    Usage Guideline:
    A Low-Ambient Pressure Switch or MotorMaster ®—Low-Ambient Controller must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).

13. **MotorMaster®—Low-Ambient Controller**
    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 (–28.9°C), it maintains condensing temperature at 100°F ± 10°F (37.8°C ± –12°C).
    Usage Guideline:
    A MotorMaster ®—Low-Ambient Controller or Low-Ambient Pressure Switch must be used when cooling operation is used at outdoor temperatures below 55°F (12.8°C).
    Suggested for all commercial applications.

14. **Outdoor Air Temperature Sensor**
    Designed for use with Carrier Thermostats listed in this publication. This device enables the thermostat to display the outdoor temperature. This device also is required to enable special thermostat features such as auxiliary heat lock out.
    Usage Guideline:
    Suggested for all Carrier thermostats listed in this publication.

15. **Outdoor Thermostat**
    An SPDT temperature-actuated switch which turns on supplemental electric heaters when outdoor air temperature drops below a user-selected set point.
    Usage Guideline:
    Electric supplemental heat applications in non-variable speed indoor units when electric heat staging is desired.

16. **Secondary Outdoor Thermostat**
    An SPDT temperature-actuated switch which turns on third-stage of supplemental electric heaters when outdoor air temperature drops below the second-stage set point.
    Usage Guideline:
    Outdoor Thermostat applications where electric heater is capable of 3-stage operation.

17. **Sound Hood**
    Wraparound sound reducing cover for the compressor. Reduces the sound level by about 2 dBA.
    Usage Guideline:
    Suggested when unit is installed closer than 15 ft to quiet areas—bedrooms, etc.
    Suggested when unit is installed between two houses less than 10 ft apart.

18. **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. Both hard shutoff and RPB valves are available.
    Note: When using a hard shut off TXV with single phase reciprocating compressors, a Compressor Start Assist — Capacitor and Relay is required
    Usage Guideline:
    Required to achieve ARI ratings in certain equipment combinations. Refer to combination ratings.
    Required for use on all zoning systems.
    See long line guideline.

19. **Time-Delay Relay**
    An SPST delay relay which briefly continues operation of indoor blower motor to provide additional cooling after the compressor cycles off.
    Note: Most indoor unit controls include this feature. For those that do not, use the guideline below.
    Usage Guideline:
    For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.

Electrical data

UNIT SIZE-SERIES	V/PH 60 Hz	OPER VOLTS*		COMPRESSOR		FAN FLA	MCA	MIN WIRE SIZE** 60°C/75°C	MAX LENGTH (Ft) 60°C/75°C‡	MAX FUSE† OR CKT BKR AMPS
		Max	Min	LRA	RLA					
018-30				45.0	10.6	0.5	13.8	14/14	71/67	20
024-30				54.0	12.0	1.1	16.1	14/14	60/57	25
030-30				72.5	16.7	1.1	22.0	12/12	71/67	30
036-30	208-230/1	253	197	88.0	17.8	1.1	23.4	12/12	66/63	35
042-30				104.0	23.2	1.1	30.1	8/10	104/63	50
048-30				137.0	23.9	1.1	31.0	8/10	124/76	45
060-30				148.0	32.1	1.4	41.5	6/8	156/88	60

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

† Time-delay fuse.

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

** If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70). The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-26. 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).

FLA — Full Load Amps

LRA — Locked Rotor Amps

MCA — Minimum Circuit Amps

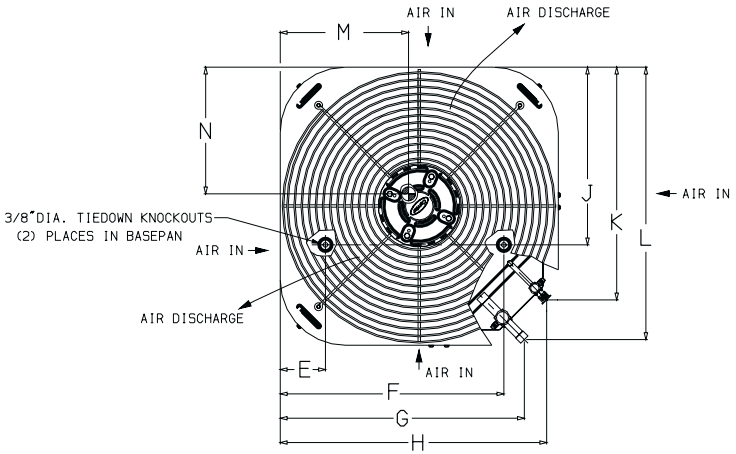
RLA — Rated Load Amps

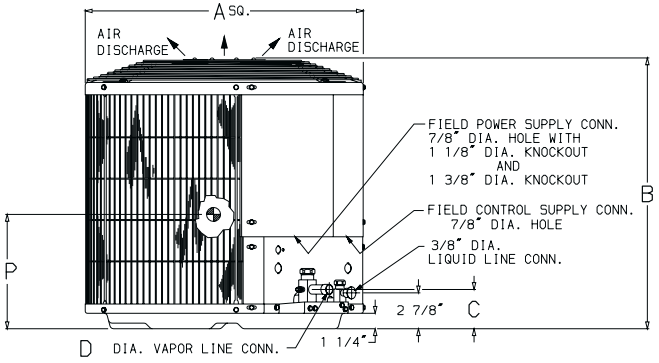
NOTE: Control circuit is 24v on all units and requires external power source. Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

A-weighted sound power (dBA)

UNIT SIZE-SERIES	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-30	78	69.5	68.0	68.0	69.5	61.0	58.0	57.0
024-30	78	70.5	69.5	69.5	73.0	65.0	63.5	58.0
030-30	78	71.5	71.5	70.5	72.0	65.0	62.0	59.0
036-30	78	68.5	69.0	69.0	71.0	66.0	61.5	61.0
042-30	78	69.0	72.5	71.5	73.0	68.0	66.5	63.0
048-30	78	77.5	68.0	70.0	71.5	68.5	64.5	60.5
060-30	80	74.5	73.5	74.5	74.0	72.0	69.0	65.0

NOTE: Tested in accordance with ARI Standard 270-95. (Not listed with ARI).





NOTES:

1. ALLOW 30″ CLEARANCE TO SERVICE SIDE OF UNIT, 48″ ABOVE UNIT, 6″ ON ONE SIDE, 12″ ON REMAINING SIDE, AND 24″ BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 55ºF, (UNLESS LOW AMBIENT CONTROL IS USED) MAX 125ºF.
3. MAXIMUM OUTDOOR OPERATING AMBIENT IN HEATING MODE IS 66ºF.
4. SERIES DESIGNATION IS THE 14TH POSITION OF THE UNIT MODEL NUMBER.
5. CENTER OF GRAVITY ⊕ .

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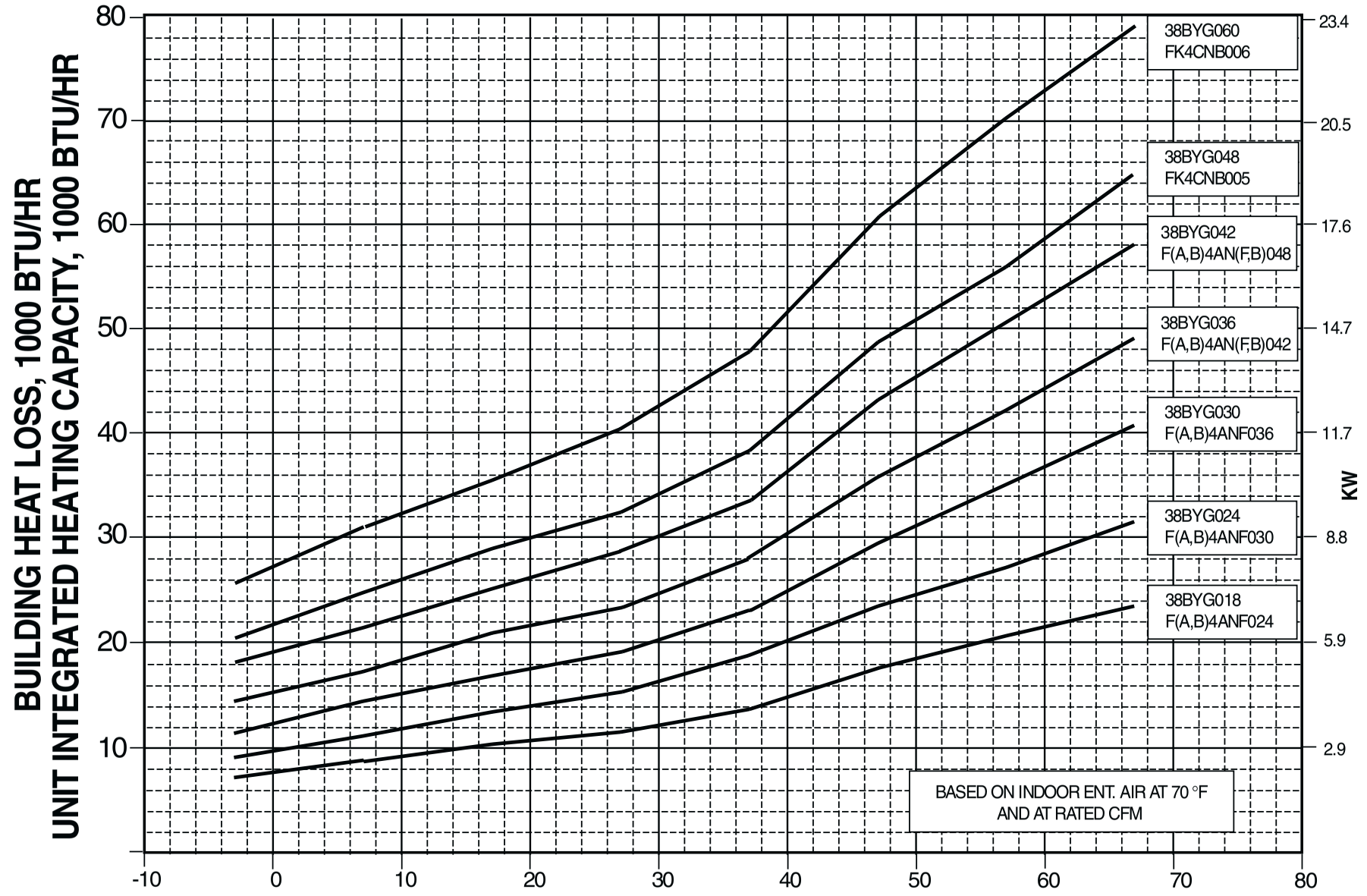
DIMENSIONS (IN.)

UNIT SIZE	SERIES	A	B	C	D	E	F	G	H	J	K	L	M	N	P	MINIMUM MOUNTING PAD DIMENSIONS
018	30	22-1/2	33-15/16	3-3/16	5/8	3-11/16	18-1/8	19-3/4	21-5/8	14-3/8	18-7/8	22-1/16	10-3/4	11	14-1/4	22-1/2 x 22-1/2
024	30	30	27-15/16	3-3/16	3/4	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	15-1/2	15	11-3/4	30 x 30
030	30	30	33-15/16	3-3/16	3/4	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	15-1/2	15	14-1/2	30 x 30
036	30	30	33-15/16	3-3/16	3/4	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	15-1/2	15	14-1/2	30 x 30
042	30	30	29-15/16	3-1/4	7/8	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	15-1/2	14-3/4	14-1/4	30 x 30
048	30	30	33-15/16	3-1/4	7/8	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	15-1/2	14-1/4	14-1/2	30 x 30
060	30	30	39-15/16	3-1/4	7/8	6-1/2	23-1/2	27-1/4	29-1/8	20	26-3/8	29-9/16	14-3/4	13-1/2	15-1/2	30 x 30

38BYG BALANCE POINT WORKSHEET



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Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
		Seasonal Efficiency SEER										
		TC	Factory-Supplied Enhance-ment	Field-Supplied Accessory			EER	High-Temp		Low-Temp		Seasonal Efficiency HSPF
				Standard Rating	TXV**	TXV & TDR**		TC	COP	TC	COP	
018-30	*F(A,B)4BN(F,C)024	18,700	TDR	—	12.00	—	10.80	17,800	3.30	11,200	2.28	7.5
	CC5A/CD5AA018	17,800	NONE	—	—	11.50	10.25	17,500	2.98	11,100	2.14	7.0
	CC5A/CD5AA024	18,500	NONE	—	—	11.50	10.60	17,700	3.16	11,200	2.22	7.2
	CC5A/CD5AW024	18,500	NONE	—	—	11.50	10.60	17,700	3.16	11,200	2.22	7.2
	CE3AA024	18,500	NONE	—	—	12.00	10.65	17,700	3.20	11,200	2.24	7.2
	CF5AA024	18,500	NONE	—	—	12.00	10.65	17,800	3.20	11,200	2.24	7.2
	CK3BA024	18,500	NONE	—	—	11.50	10.75	17,900	3.34	11,300	2.30	7.2
	CK5A/CK5BA018	17,800	NONE	—	—	11.50	10.40	17,700	3.18	11,200	2.24	7.0
	CK5A/CK5BA024	18,500	NONE	—	—	11.50	10.75	17,900	3.34	11,300	2.30	7.2
	CK5A/CK5BW024	18,500	NONE	—	—	11.50	10.75	17,900	3.34	11,300	2.30	7.2
	F(A,B)4BN(F,C)018	17,400	TDR		11.30	—	10.30	17,500	3.10	11,100	2.20	7.0
	FC4CNF024	18,800	TDR&TXV	12.00	—	—	10.80	17,800	3.30	11,200	2.28	7.5
	FF1DNA018	17,600	TDR	—	11.50	—	10.70	17,400	3.16	10,900	2.24	7.0
	FF1DNA024	18,800	TDR	—	12.00	—	10.75	17,800	3.30	11,200	2.28	7.5
	FF1DNE018	17,600	TDR&TXV	11.50	—	—	10.70	17,400	3.16	10,900	2.24	7.0
	FG3AAA024	18,400	NONE	—	—	11.50	10.45	17,700	3.12	11,200	2.22	7.4
	FK4DNF001	18,800	TDR&TXV	13.20	—	—	12.20	17,200	3.46	10,600	2.42	8.0
	FK4DNF002	19,000	TDR&TXV	13.50	—	—	12.30	17,300	3.58	10,700	2.46	8.0
	COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA024	18,500	TDR	—	13.00	—	11.70	17,000	3.18	10,500	2.30	7.5
	CC5A/CD5AW024	18,500	TDR	—	13.00	—	11.70	17,000	3.18	10,500	2.30	7.5
	CE3AA024	18,500	TDR	—	13.00	—	11.75	17,000	3.20	10,500	2.34	7.5
	CK3BA024	18,500	TDR	—	13.00	—	12.00	17,000	3.42	10,600	2.40	7.5
	CK5A/CK5BA024	18,500	TDR	—	13.00	—	12.00	17,000	3.42	10,600	2.40	7.5
	CK5A/CK5BW024	18,500	TDR	—	13.00	—	12.00	17,000	3.42	10,600	2.40	7.5
024-30	*F(A,B)4BN(F,C)030	23,000	TDR	—	12.00	—	11.00	23,600	3.38	14,100	2.26	7.5
	CC5A/CD5AA024	22,400	NONE	—	—	11.70	10.60	23,600	3.18	14,100	2.18	7.3
	CC5A/CD5AA030	22,600	NONE	—	—	12.00	10.60	23,600	3.16	14,100	2.18	7.3
	CC5A/CD5AW024	22,400	NONE	—	—	11.70	10.60	23,600	3.18	14,100	2.18	7.3
	CC5A/CD5AW030	22,600	NONE	—	—	12.00	10.60	23,600	3.16	14,100	2.18	7.3
	CE3AA024	22,600	NONE	—	—	11.80	10.65	23,600	3.24	14,100	2.20	7.3
	CE3AA030	23,000	NONE	—	—	12.00	10.80	23,600	3.32	14,200	2.24	7.5
	CF5AA024	22,600	NONE	—	—	11.80	10.60	23,600	3.18	14,100	2.18	7.3
	CK3BA024	22,400	NONE	—	—	11.70	10.75	23,600	3.40	14,200	2.26	7.3
	CK3BA030	22,600	NONE	—	—	12.00	10.65	23,600	3.28	14,200	2.24	7.3
	CK5A/CK5BA024	22,400	NONE	—	—	11.70	10.75	23,600	3.40	14,200	2.26	7.3
	CK5A/CK5BA030	22,600	NONE	—	—	12.00	10.65	23,600	3.30	14,200	2.24	7.3
	CK5A/CK5BW024	22,400	NONE	—	—	11.70	10.75	23,600	3.40	14,200	2.26	7.3
	CK5A/CK5BW030	22,600	NONE	—	—	12.00	10.65	23,600	3.30	14,200	2.24	7.3
	F(A,B)4BN(F,C)024	22,600	TDR	—	11.70	—	10.85	23,600	3.36	14,100	2.24	7.5
	FC4CNF024	22,600	TDR&TXV	11.70	—	—	10.85	23,600	3.36	14,100	2.24	7.5
	FC4CNF030	23,000	TDR&TXV	12.00	—	—	11.00	23,600	3.38	14,100	2.26	7.5
	FF1DNA024	22,600	TDR	—	11.70	—	10.65	23,600	3.32	14,200	2.22	7.5
	FF1DNA030	23,200	TDR	—	12.00	—	10.80	23,600	3.36	14,200	2.24	7.5
	FF1DNE024	22,600	TDR&TXV	11.70	—	—	10.65	23,600	3.32	14,200	2.22	7.5
	FF1DNE030	23,200	TDR&TXV	12.00	—	—	10.80	23,600	3.36	14,200	2.24	7.5
	FG3AAA024	22,200	NONE	—	—	11.60	10.40	23,600	3.20	14,100	2.18	7.4
	FK4DNF001	23,200	TDR&TXV	13.00	—	—	12.15	23,200	3.50	13,500	2.38	7.8
	FK4DNF002	23,600	TDR&TXV	13.20	—	—	12.35	23,200	3.62	13,500	2.40	8.0
	FK4DNF003	23,800	TDR&TXV	14.00	—	—	12.50	23,000	3.58	13,400	2.42	8.0
	COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA030	22,600	TDR	—	13.00	—	11.70	22,800	3.20	13,300	2.26	7.4
	CC5A/CD5AW030	22,600	TDR	—	13.00	—	11.70	22,800	3.20	13,300	2.26	7.4
	CE3AA030	22,600	TDR	—	13.30	—	11.90	23,000	3.36	13,400	2.32	7.5
	CK3BA030	22,600	TDR	—	13.00	—	11.85	23,000	3.36	13,400	2.34	7.4
	CK5A/CK5BA030	22,600	TDR	—	13.00	—	11.75	23,000	3.36	13,400	2.32	7.4
	CK5A/CK5BW030	22,600	TDR	—	13.00	—	11.80	23,000	3.36	13,400	2.34	7.4
	COILS + 58MVP040-14 VARIABLE-SPEED FURNACE											
	CE3AA030	23,000	TDR	—	13.30	—	11.80	23,400	3.48	13,700	2.34	7.5
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA030	22,600	TDR	—	13.00	—	11.55	23,200	3.30	13,600	2.30	7.4
	CC5A/CD5AW030	22,600	TDR	—	13.00	—	11.55	23,200	3.30	13,600	2.30	7.4
	CE3AA030	23,000	TDR	—	13.30	—	11.80	23,400	3.48	13,700	2.34	7.5
	CK3BA030	22,600	TDR	—	13.00	—	11.70	23,200	3.46	13,700	2.36	7.4
	CK5A/CK5BA030	22,600	TDR	—	13.00	—	11.55	23,400	3.44	13,700	2.34	7.4
	CK5A/CK5BW030	22,600	TDR	—	13.00	—	11.65	23,400	3.44	13,700	2.36	7.4
030-30	*F(A,B)4BN(F,C)036	28,400	TDR	—	12.10	—	10.45	29,600	3.28	18,500	2.28	7.6
	CC5A/CD5AA030	27,800	NONE	—	—	12.00	10.35	29,000	3.08	18,200	2.24	7.3
	CC5A/CD5AA036	28,800	NONE	—	—	12.50	10.70	29,400	3.32	18,300	2.30	7.5

See notes on pg. 15.

Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
			Seasonal Efficiency SEER									
			Factory-Supplied Enhance-ment	Field-Supplied Accessory				High-Temp		Low-Temp		Seasonal Efficiency HSPF
		TC		Standard Rating	TXV**	TXV & TDR**	EER	TC	COP	TC	COP	
	CC5A/CD5AW030	27,800	NONE	—	—	12.00	10.35	29,000	3.08	18,200	2.24	7.3
	CC5A/CD5AW036	28,800	NONE	—	—	12.50	10.70	29,400	3.32	18,300	2.30	7.5
	CE3AA030	28,000	NONE	—	—	12.10	10.50	29,400	3.28	18,300	2.28	7.5
	CE3AA036	28,400	NONE	—	—	12.30	10.55	29,400	3.22	18,300	2.30	7.5
	CF5AA036	28,400	NONE	—	—	12.40	10.65	29,400	3.28	18,200	2.28	7.5
	CK3BA030	27,800	NONE	—	—	12.10	10.40	29,000	3.20	18,300	2.30	7.3
	CK3BA036	28,800	NONE	—	—	12.50	10.75	29,400	3.36	18,400	2.34	7.5
	CK5A/CK5BA036	28,800	NONE	—	—	12.50	10.75	29,400	3.34	18,400	2.34	7.5
	CK5A/CK5BT036	28,800	NONE	—	—	12.50	10.75	29,400	3.36	18,400	2.34	7.5
	CK5A/CK5BW030	27,800	NONE	—	—	12.10	10.40	29,000	3.20	18,300	2.30	7.3
	CK5A/CK5BW036	28,800	NONE	—	—	12.50	10.75	29,400	3.36	18,400	2.34	7.5
	F(A,B)4BN(F,C)030	28,000	TDR	—	12.20	—	10.60	29,200	3.30	18,300	2.30	7.5
	FC4CNF030	28,000	TDR&TXV	12.20	—	—	10.60	29,200	3.30	18,300	2.30	7.5
	FC4CNF036	28,400	TDR&TXV	12.10	—	—	10.45	29,600	3.26	18,500	2.28	7.6
	FF1DNA030	28,200	TDR	—	12.20	—	10.50	29,400	3.32	18,400	2.30	7.5
	FF1DNE030	28,200	TDR&TXV	12.20		—	10.50	29,400	3.32	18,400	2.30	7.5
	FG3AAA036	28,400	NONE	—	—	12.20	10.50	29,400	3.26	18,300	2.30	7.5
	FK4DNF001	28,600	TDR&TXV	13.50	—	—	11.50	29,000	3.38	17,600	2.38	7.9
	FK4DNF002	28,600	TDR&TXV	13.50	—	—	11.55	29,000	3.50	17,700	2.42	8.0
	FK4DNF003	29,200	TDR&TXV	14.00	—	—	11.90	28,800	3.46	17,500	2.44	8.1
	COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA036	28,800	TDR	—	13.50	—	11.60	29,000	3.36	17,600	2.38	7.8
	CE3AA036	28,400	TDR	—	13.20	—	11.35	29,000	3.28	17,600	2.36	7.8
	CK3BA036	28,800	TDR	—	13.50	—	11.60	29,000	3.44	17,600	2.42	7.8
	CK5A/CK5BA036	28,800	TDR	—	13.50	—	11.60	29,000	3.44	17,600	2.42	7.8
	CK5A/CK5BT036	28,800	TDR	—	13.50	—	11.60	29,000	3.44	17,600	2.42	7.8
	COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE											
030-30	CC5A/CD5AA036	28,800	TDR	—	13.50	—	11.75	29,000	3.38	17,500	2.40	7.8
	CC5A/CD5AW036	28,800	TDR	—	13.50	—	11.75	29,000	3.38	17,500	2.40	7.8
	CE3AA036	28,800	TDR	—	13.50	—	11.60	29,000	3.32	17,400	2.38	7.8
	CK3BA036	28,800	TDR	—	13.50	—	11.80	29,000	3.46	17,500	2.44	7.8
	CK5A/CK5BA036	28,800	TDR	—	13.50	—	11.80	29,000	3.46	17,600	2.44	7.8
	CK5A/CK5BW036	28,800	TDR	—	13.50	—	11.80	29,000	3.46	17,500	2.44	7.8
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA036	28,800	TDR	—	13.00	—	11.40	29,000	3.42	17,900	2.40	7.8
	CE3AA036	28,400	TDR	—	13.00	—	11.15	29,000	3.32	17,900	2.38	7.8
	CK3BA036	28,800	TDR	—	13.00	—	11.35	29,000	3.46	18,000	2.42	7.8
	CK5A/CK5BA036	28,800	TDR	—	13.00	—	11.35	29,000	3.46	18,000	2.42	7.8
	CK5A/CK5BT036	28,800	TDR	—	13.00	—	11.35	29,000	3.46	18,000	2.42	7.8
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE											
	CC5A/CD5AW036	28,800	TDR	—	13.00	—	11.55	29,000	3.46	17,800	2.42	7.8
	CE3AA036	28,400	TDR	—	13.00	—	11.30	29,000	3.34	17,800	2.38	7.8
	CK3BA036	28,800	TDR	—	13.00	—	11.50	29,000	3.48	17,900	2.44	7.8
	CK5A/CK5BW036	28,800	TDR	—	13.00	—	11.50	29,000	3.48	17,900	2.44	7.8
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA036	28,800	TDR	—	13.00	—	11.55	29,000	3.46	17,800	2.42	7.8
	CC5A/CD5AW036	28,800	TDR	—	13.00	—	11.55	29,000	3.46	17,800	2.42	7.8
	CE3AA036	28,400	TDR	—	13.00	—	11.35	29,000	3.36	17,800	2.40	7.8
	CK3BA036	28,800	TDR	—	13.00	—	11.70	29,000	3.52	17,800	2.48	7.8
	CK5A/CK5BA036	28,800	TDR	—	13.00	—	11.70	29,000	3.52	17,800	2.48	7.8
	CK5A/CK5BT036	28,800	TDR	—	13.00	—	11.70	29,000	3.52	17,800	2.48	7.8
	CK5A/CK5BW036	28,800	TDR	—	13.00	—	11.70	29,000	3.52	17,800	2.48	7.8
	COILS + 58MVP120-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AW036	28,800	TDR	—	13.00	—	11.55	29,000	3.46	17,800	2.42	7.8
	CE3AA036	28,400	TDR	—	13.00	—	11.35	29,000	3.36	17,800	2.40	7.8
	CK5A/CK5BW036	28,800	TDR	—	13.00	—	11.65	29,000	3.52	17,800	2.46	7.8
	*F(A,B)4BN(F,B,C)042	33,800	TDR	—	12.10	—	10.45	35,800	3.46	23,000	2.44	8.0
	CC5A/CD5AA036	33,600	NONE	—	—	12.10	10.50	35,800	3.42	22,800	2.42	7.7
	CC5A/CD5AA042	33,600	NONE	—	—	12.10	10.50	35,800	3.42	22,800	2.42	7.7
	CC5A/CD5AW036	33,600	NONE	—	—	12.10	11.25	35,400	3.46	22,000	2.48	7.7
	CC5A/CD5AW042	33,400	NONE	—	—	12.10	10.45	35,800	3.38	22,800	2.40	7.6
	CE3AA036	33,200	NONE	—	—	12.00	10.40	35,600	3.38	22,800	2.40	7.6
036-30	CE3AA042	33,800	NONE	—	—	12.10	10.60	36,000	3.48	22,800	2.44	7.7
	CF5AA036	33,400	NONE	—	—	12.10	10.50	35,800	3.40	22,800	2.42	7.7
	CK3BA036	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	CK3BA042	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	CK5A/CK5BA036	33,600	NONE	—	—	12.10	10.55	35,800	3.50	22,800	2.46	7.7
	CK5A/CK5BA042	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	CK5A/CK5BE042	33,600	NONE	—	—	12.10	10.60	35,800	3.54	23,000	2.48	7.7

See notes on pg. 15.

Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
			Seasonal Efficiency SEER					High-Temp		Low-Temp		
		TC	Factory-Supplied Enhance-ment	Standard Rating	Field-Supplied Accessory TXV**	Field-Supplied Accessory TXV & TDR**	EER	TC	COP	TC	COP	Seasonal Efficiency HSPF
036-30	CK5A/CK5BT036	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	CK5A/CK5BT042	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	CK5A/CK5BW036	33,600	NONE	—	—	12.10	10.50	35,800	3.50	22,800	2.46	7.7
	F(A,B)4BN(F,C)036	33,000	TDR	—	11.70	—	10.20	36,000	3.38	23,000	2.38	7.6
	FC4CN(F,B)042	33,800	TDR&TXV	12.10	—	—	10.45	35,800	3.46	23,000	2.44	8.0
	FC4CNF036	33,000	TDR&TXV	11.70	—	—	10.20	36,000	3.38	23,000	2.38	7.6
	FG3AAA036	33,000	NONE	—	—	12.00	10.30	35,800	3.38	22,800	2.40	7.7
	FK4DNF001	33,200	TDR&TXV	12.20	—	—	11.00	35,000	3.46	22,200	2.46	7.8
	FK4DNF002	33,400	TDR&TXV	12.30	—	—	11.00	35,000	3.58	22,200	2.50	8.0
	FK4DNF003	33,600	TDR&TXV	13.00	—	—	11.55	35,000	3.58	21,800	2.56	8.0
	FK4DNF005	35,000	TDR&TXV	14.00	—	—	12.00	33,400	3.72	22,000	2.64	8.0
	COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE											
	CE3AA042	33,800	TDR	—	13.00	—	11.30	35,200	3.52	22,000	2.50	8.0
	CK5A/CK5BE042	33,800	TDR	—	13.00	—	11.35	35,200	3.60	22,200	2.54	8.0
	COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,800	TDR	—	13.00	—	11.50	35,200	3.50	21,800	2.52	8.0
	CE3AA042	33,800	TDR	—	13.00	—	11.50	35,200	3.56	22,000	2.54	8.0
	CK3BA042	33,800	TDR	—	13.00	—	11.45	35,200	3.58	22,000	2.56	8.0
	CK5A/CK5BA042	33,800	TDR	—	13.00	—	11.45	35,200	3.58	22,000	2.56	8.0
	CK5A/CK5BE042	33,800	TDR	—	13.00	—	11.50	35,200	3.64	22,000	2.56	8.0
	CK5A/CK5BT042	33,800	TDR	—	13.00	—	11.45	35,200	3.58	22,000	2.56	8.0
	COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,800	TDR	—	13.50	—	11.60	35,200	3.52	21,800	2.52	8.0
	CC5A/CD5AW042	33,800	TDR	—	13.50	—	11.55	35,200	3.48	21,600	2.50	8.0
	CE3AA042	33,800	TDR	—	13.50	—	11.60	35,200	3.58	21,800	2.56	8.0
	CK3BA042	33,800	TDR	—	13.50	—	11.55	35,200	3.60	21,800	2.56	8.0
	CK5A/CK5BA042	33,800	TDR	—	13.50	—	11.55	35,200	3.60	21,800	2.56	8.0
	CK5A/CK5BT042	33,800	TDR	—	13.50	—	11.55	35,200	3.60	21,800	2.56	8.0
	COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,800	TDR	—	13.50	—	11.55	35,200	3.52	21,800	2.52	8.0
	CC5A/CD5AW042	33,800	TDR	—	13.50	—	11.50	35,200	3.46	21,800	2.50	8.0
	CE3AA042	33,800	TDR	—	13.50	—	11.55	35,200	3.58	21,800	2.54	8.0
	CK3BA042	33,800	TDR	—	13.50	—	11.50	35,200	3.60	22,000	2.56	8.0
	CK5A/CK5BA042	33,800	TDR	—	13.50	—	11.50	35,200	3.60	22,000	2.56	8.0
	CK5A/CK5BT042	33,800	TDR	—	13.50	—	11.50	35,200	3.60	22,000	2.56	8.0
	COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,800	TDR	—	13.50	—	11.65	35,200	3.54	21,600	2.54	8.0
	CC5A/CD5AW042	33,800	TDR	—	13.50	—	11.60	35,200	3.48	21,600	2.52	8.0
	CE3AA042	33,800	TDR	—	13.50	—	11.65	35,200	3.58	21,800	2.56	8.0
	CK3BA042	33,800	TDR	—	13.50	—	11.60	35,200	3.62	21,800	2.58	8.0
	CK5A/CK5BA042	33,800	TDR	—	13.50	—	11.60	35,200	3.62	21,800	2.58	8.0
	CK5A/CK5BT042	33,800	TDR	—	13.50	—	11.60	35,200	3.62	21,800	2.58	8.0
	COILS + 58MVP060-14 VARIABLE-SPEED FURNACE											
	CE3AA042	33,600	TDR	—	13.00	—	10.90	35,200	3.54	22,600	2.50	8.0
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,600	TDR	—	13.00	—	11.15	35,200	3.54	22,400	2.50	8.0
	CC5A/CD5AW042	33,600	TDR	—	13.00	—	11.05	35,200	3.50	22,200	2.48	8.0
	CE3AA042	33,600	TDR	—	13.00	—	11.10	35,200	3.58	22,400	2.52	8.0
	CK5A/CK5BA042	33,600	TDR	—	13.00	—	11.05	35,200	3.60	22,400	2.54	8.0
	CK5A/CK5BT042	33,600	TDR	—	13.00	—	11.05	35,200	3.60	22,400	2.54	8.0
	COILS + 58MVP080-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.56	22,200	2.52	8.0
	CC5A/CD5AW042	33,600	TDR	—	13.00	—	11.15	35,200	3.50	22,200	2.50	8.0
	CE3AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.60	22,400	2.54	8.0
	CK3BA042	33,600	TDR	—	13.00	—	10.90	35,200	3.58	22,600	2.52	8.0
	CK5A/CK5BA042	33,600	TDR	—	13.00	—	10.90	35,200	3.58	22,600	2.52	8.0
	CK5A/CK5BT042	33,600	TDR	—	13.00	—	10.90	35,200	3.58	22,600	2.52	8.0
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.56	22,200	2.52	8.0
	CC5A/CD5AW042	33,600	TDR	—	13.00	—	11.15	35,200	3.50	22,200	2.50	8.0
	CE3AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.60	22,400	2.54	8.0
	CK3BA042	33,600	TDR	—	13.00	—	11.30	35,200	3.64	22,400	2.56	8.0
	CK5A/CK5BA042	33,600	TDR	—	13.00	—	11.30	35,200	3.64	22,400	2.56	8.0
	CK5A/CK5BT042	33,600	TDR	—	13.00	—	11.30	35,200	3.64	22,400	2.56	8.0
	COILS + 58MVP120-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.56	22,200	2.52	8.0

See notes on pg. 15.

Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
			Seasonal Efficiency SEER									
			Factory-Supplied Enhance-ment	Field-Supplied Accessory				High-Temp		Low-Temp		Seasonal Efficiency HSPF
		TC		Standard Rating	TXV**	TXV & TDR**	EER	TC	COP	TC	COP	
036-30	CC5A/CD5AW042	33,600	TDR	—	13.00	—	11.15	35,200	3.50	22,200	2.50	8.0
	CE3AA042	33,600	TDR	—	13.00	—	11.20	35,200	3.60	22,400	2.54	8.0
	CK5A/CK5BA042	33,600	TDR	—	13.00	—	11.30	35,200	3.64	22,400	2.56	8.0
	CK5A/CK5BT042	33,600	TDR	—	13.00	—	11.30	35,200	3.64	22,400	2.56	8.0
042-30	*F(A,B)4BN(F,B,C)048	40,000	TDR	—	12.00	—	10.65	43,000	3.46	27,800	2.54	8.0
	CC5A/CD5AA042	39,000	NONE	—	—	12.00	10.70	42,000	3.32	27,200	2.50	7.5
	CC5A/CD5AC048	39,000	NONE	—	—	11.80	10.55	42,000	3.24	27,200	2.46	7.5
	CC5A/CD5AW048	40,000	NONE	—	—	12.00	10.70	42,500	3.38	27,400	2.52	7.6
	CD5AA048	40,000	NONE	—	—	12.00	10.75	42,500	3.38	27,400	2.52	7.6
	CE3AA042	39,500	NONE	—	—	12.00	10.70	42,500	3.38	27,400	2.52	7.6
	CE3AA048	40,000	NONE	—	—	12.00	10.75	42,500	3.42	27,400	2.54	7.7
	CF5AA048	40,000	NONE	—	—	12.00	10.75	42,000	3.36	27,400	2.52	7.6
	CK3BA042	39,000	NONE	—	—	12.00	10.70	42,000	3.38	27,200	2.52	7.5
	CK3BA048	40,000	NONE	—	—	12.00	10.85	42,500	3.42	27,200	2.54	7.6
	CK5A/CK5BA042	39,000	NONE	—	—	12.00	10.70	42,000	3.38	27,200	2.52	7.5
	CK5A/CK5BA048	40,000	NONE	—	—	12.00	10.85	42,500	3.46	27,400	2.56	7.6
	CK5A/CK5BE042	39,000	NONE	—	—	12.00	10.85	41,000	3.42	27,200	2.54	7.5
	CK5A/CK5BT042	39,000	NONE	—	—	12.00	10.70	42,000	3.38	27,200	2.52	7.5
	CK5A/CK5BT048	40,000	NONE	—	—	12.00	10.85	42,500	3.46	27,400	2.56	7.6
	CK5A/CK5BW048	40,000	NONE	—	—	12.00	10.85	42,500	3.42	27,200	2.54	7.6
	F(A,B)4BN(F,B,C)042	39,500	TDR	11.00	11.00	—	10.45	42,500	3.46	27,600	2.46	7.6
	F(A,B)4BN(F,B,C)042	39,500	TDR	—	11.70	—	10.45	42,500	3.32	27,600	2.48	7.6
	FC4CN(F,B)042	39,500	TDR&TXV	11.70	—	—	10.45	42,500	3.32	27,600	2.48	7.6
	FC4CN(F,B)048	40,000	TDR&TXV	12.00	—	—	10.65	43,000	3.46	27,800	2.54	8.0
	FG3AAA048	39,500	NONE	—	—	11.70	10.70	42,500	3.46	27,400	2.56	7.7
	FK4DNB006	42,000	TDR&TXV	14.00	—	—	12.50	42,000	3.86	26,600	2.82	8.3
	FK4DNF003	39,500	TDR&TXV	13.00	—	—	11.55	41,500	3.40	26,400	2.60	7.8
	FK4DNF005	41,500	TDR&TXV	13.50	—	—	12.10	42,000	3.70	26,600	2.74	8.0
	COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	39,000	TDR	—	13.00	—	11.35	42,000	3.26	26,200	2.56	7.8
	CD5AA048	39,000	TDR	—	13.00	—	11.55	42,000	3.44	26,400	2.60	8.0
	CE3AA048	39,000	TDR	—	13.00	—	11.50	42,000	3.48	26,600	2.62	8.0
	CK3BA048	39,000	TDR	—	13.00	—	11.50	42,000	3.52	26,600	2.64	8.0
	CK5A/CK5BA048	39,000	TDR	—	13.00	—	11.50	42,000	3.52	26,600	2.64	8.0
	CK5A/CK5BT048	39,000	TDR	—	13.00	—	11.50	42,000	3.52	26,600	2.64	8.0
	COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	39,000	TDR	—	13.00	—	11.50	42,000	3.28	26,200	2.56	7.8
	CC5A/CD5AW048	39,000	TDR	—	13.00	—	11.65	42,000	3.44	26,200	2.62	8.0
	CD5AA048	39,000	TDR	—	13.00	—	11.65	42,000	3.46	26,200	2.62	8.0
	CE3AA048	39,000	TDR	—	13.00	—	11.60	42,000	3.50	26,400	2.64	8.0
	CK3BA048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BA048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BT048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BW048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	39,000	TDR	—	13.00	—	11.50	42,000	3.28	26,000	2.58	7.8
	CC5A/CD5AW048	39,000	TDR	—	13.00	—	11.70	42,000	3.46	26,200	2.62	8.0
	CD5AA048	39,000	TDR	—	13.00	—	11.70	42,000	3.46	26,200	2.62	8.0
	CE3AA048	39,000	TDR	—	13.00	—	11.60	42,000	3.50	26,400	2.64	8.0
	CK3BA048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BA048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BT048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	CK5A/CK5BW048	39,000	TDR	—	13.00	—	11.65	42,000	3.54	26,400	2.66	8.0
	COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	39,000	TDR	—	13.00	—	11.55	42,000	3.28	26,000	2.58	7.8
	CC5A/CD5AW048	39,000	TDR	—	13.00	—	11.75	42,000	3.46	26,200	2.64	8.0
	CD5AA048	39,000	TDR	—	13.00	—	11.75	42,000	3.46	26,200	2.64	8.0
	CE3AA048	39,000	TDR	—	13.00	—	11.65	42,000	3.50	26,400	2.64	8.0
	CK3BA048	39,000	TDR	—	13.00	—	11.70	42,000	3.56	26,400	2.68	8.0
	CK5A/CK5BA048	39,000	TDR	—	13.00	—	11.70	42,000	3.56	26,400	2.68	8.0
	CK5A/CK5BT048	39,000	TDR	—	13.00	—	11.70	42,000	3.56	26,400	2.68	8.0
	CK5A/CK5BW048	39,000	TDR	—	13.00	—	11.70	42,000	3.56	26,400	2.68	8.0
	COILS + 58MVP080-14 VARIABLE-SPEED FURNACE											
	CD5AA048	40,000	TDR	—	12.50	—	11.10	42,000	3.44	27,000	2.56	8.0
	CE3AA048	40,000	TDR	—	12.50	—	11.00	42,000	3.46	27,200	2.58	8.0
	CK5A/CK5BA048	40,000	TDR	—	12.50	—	10.95	42,000	3.48	27,200	2.60	8.0
	CK5A/CK5BT048	40,000	TDR	—	12.50	—	10.95	42,000	3.48	27,200	2.60	8.0
	COILS + 58MVP080-20 VARIABLE-SPEED FURNACE											
	CD5AA048	40,000	TDR	—	13.00	—	11.20	42,000	3.46	26,800	2.58	8.0
	CE3AA048	40,000	TDR	—	12.50	—	11.10	42,000	3.48	27,200	2.60	8.0

See notes on pg. 15.

Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
		Seasonal Efficiency SEER										
		TC	Factory-Supplied Enhance-ment	Standard Rating	Field-Supplied Accessory		EER	High-Temp		Low-Temp		Seasonal Efficiency HSPF
					TXV**	TXV & TDR**		TC	COP	TC	COP	
042-30	CK5A/CK5BA048	40,000	TDR	—	12.50	—	10.85	42,000	3.46	27,400	2.58	8.0
	CK5A/CK5BT048	40,000	TDR	—	12.50	—	10.85	42,000	3.46	27,400	2.58	8.0
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE											
	CD5AA048	40,000	TDR	—	13.00	—	11.20	42,000	3.46	26,800	2.58	8.0
	CE3AA048	40,000	TDR	—	12.50	—	11.10	42,000	3.48	27,200	2.60	8.0
	CK3BA048	40,000	TDR	—	13.00	—	11.20	42,000	3.54	27,000	2.64	8.0
	CK5A/CK5BA048	40,000	TDR	—	13.00	—	11.20	42,000	3.54	27,000	2.64	8.0
	CK5A/CK5BT048	40,000	TDR	—	13.00	—	11.20	42,000	3.54	27,000	2.64	8.0
	COILS + 58MVP120-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AW048	40,000	TDR	—	13.00	—	11.20	42,000	3.46	26,800	2.58	8.0
	CE3AA048	40,000	TDR	—	12.50	—	11.10	42,000	3.48	27,200	2.60	8.0
	CK3BA048	40,000	TDR	—	13.00	—	11.25	42,000	3.54	27,000	2.64	8.0
	CK5A/CK5BA048	40,000	TDR	—	13.00	—	11.25	42,000	3.54	27,000	2.64	8.0
	CK5A/CK5BT048	40,000	TDR	—	13.00	—	11.25	42,000	3.54	27,000	2.64	8.0
	CK5A/CK5BW048	40,000	TDR	—	13.00	—	11.25	42,000	3.54	27,000	2.64	8.0
048-30	*FK4DNF005	48,000	TDR&TXV	13.00	—	—	10.95	48,000	3.58	31,600	2.64	8.0
	CC5A/CD5AA060	46,000	NONE	—	—	11.50	9.95	48,000	3.24	32,200	2.44	7.4
	CC5A/CD5AC048	44,500	NONE	—	—	11.50	9.80	48,000	3.10	31,800	2.38	7.0
	CC5A/CD5AW048	45,500	NONE	—	—	11.50	9.90	48,000	3.28	32,200	2.46	7.5
	CC5A/CD5AW060	47,000	NONE	—	—	12.00	10.20	48,000	3.42	32,400	2.52	7.8
	CD5AA048	45,500	NONE	—	—	11.50	9.90	48,000	3.28	32,200	2.46	7.5
	CE3AA048	46,000	NONE	—	—	11.50	10.00	48,000	3.36	32,200	2.50	7.6
	CE3AA060	47,500	NONE	—	—	12.00	10.25	48,000	3.44	32,400	2.54	7.8
	CF5AA048	45,000	NONE	—	—	11.50	10.00	48,000	3.22	32,000	2.44	7.3
	CK3BA048	45,500	NONE	—	—	11.50	9.90	48,000	3.36	32,200	2.50	7.5
	CK3BA060	46,000	NONE	—	—	11.50	10.20	48,000	3.52	32,400	2.56	7.4
	CK5A/CK5BA048	45,500	NONE	—	—	11.50	9.90	48,000	3.36	32,200	2.50	7.5
	CK5A/CK5BA060	46,000	NONE	—	—	11.50	10.20	48,000	3.52	32,400	2.56	7.4
	CK5A/CK5BT048	45,500	NONE	—	—	11.50	9.90	48,000	3.36	32,200	2.50	7.5
	CK5A/CK5BT060	46,000	NONE	—	—	11.50	10.20	48,000	3.52	32,400	2.56	7.4
	CK5A/CK5BW048	45,500	NONE	—	—	11.50	9.90	48,000	3.36	32,200	2.50	7.5
	CK5A/CK5BX060	47,000	NONE	—	—	12.00	10.35	48,000	3.56	32,400	2.58	7.8
	F(A,B)4BN(F,B,C)048	46,000	TDR	—	11.50	—	9.90	48,000	3.40	32,600	2.50	7.6
	F(A,B)4BN(F,B,C)060	47,500	TDR	—	11.70	—	10.00	48,000	3.48	33,000	2.52	7.8
	FB4BNB070	48,000	TDR	—	12.00	—	10.40	48,000	3.62	32,800	2.60	8.0
	FC4CN(F,B)048	46,000	TDR&TXV	11.50	—	—	9.90	48,000	3.40	32,600	2.50	7.6
	FC4CN(F,B)060	47,500	TDR&TXV	11.70	—	—	10.00	48,000	3.48	33,000	2.52	7.8
	FC4CNB054	48,000	TDR&TXV	12.10	—	—	10.45	48,000	3.64	32,600	2.60	8.0
	FC4CNB070	48,000	TDR&TXV	12.00	—	—	10.40	48,000	3.62	32,800	2.60	8.0
	FG3AAA048	45,000	NONE	—	—	11.40	9.90	48,000	3.34	32,200	2.48	7.5
	FG3AAA060	46,000	NONE	—	—	11.80	10.10	48,000	3.38	32,400	2.50	7.6
	FK4DNB006	48,000	TDR&TXV	13.50	—	—	11.35	48,000	3.74	31,400	2.72	8.2
	COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE											
	CE3AA060	45,500	TDR	—	12.50	—	10.70	48,000	3.42	31,600	2.58	7.8
	COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	45,000	TDR	—	12.00	—	10.60	48,000	3.24	31,000	2.50	7.8
	CE3AA060	45,500	TDR	—	12.50	—	10.90	48,000	3.46	31,400	2.60	7.8
	CK3BA060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BA060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BT060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BX060	47,000	TDR	—	13.00	—	11.15	48,000	3.62	31,400	2.66	7.8
	COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	45,000	TDR	—	12.00	—	10.55	48,000	3.24	31,200	2.50	7.8
	CC5A/CD5AW060	47,000	TDR	—	13.00	—	10.85	48,000	3.44	31,200	2.58	7.8
	CE3AA060	45,500	TDR	—	12.50	—	10.85	48,000	3.44	31,400	2.60	7.8
	CK3BA060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BA060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BT060	45,500	TDR	—	12.50	—	10.85	48,000	3.58	31,400	2.64	7.8
	CK5A/CK5BX060	47,000	TDR	—	13.00	—	11.05	48,000	3.60	31,400	2.66	7.8
	COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	45,000	TDR	—	12.00	—	10.65	48,000	3.26	30,200	2.46	7.8
	CC5A/CD5AW060	47,000	TDR	—	13.00	—	10.95	48,000	3.46	31,200	2.60	7.8
	CE3AA060	45,500	TDR	—	12.50	—	10.95	48,000	3.46	31,200	2.60	7.8
	CK3BA060	45,500	TDR	—	12.50	—	10.95	48,000	3.60	31,400	2.64	7.8
	CK5A/CK5BA060	45,500	TDR	—	12.50	—	10.95	48,000	3.60	31,400	2.64	7.8
	CK5A/CK5BT060	45,500	TDR	—	12.50	—	10.95	48,000	3.60	31,400	2.66	7.8
	CK5A/CK5BX060	47,000	TDR	—	13.00	—	11.15	48,000	3.62	31,400	2.68	7.8
	COILS + 58MVP080-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	46,000	TDR	—	11.50	—	10.05	48,000	3.58	31,600	2.64	8.0

See notes on pg. 15.

Combination ratings continued

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS*										
		Cooling						Heating				
			Seasonal Efficiency SEER									
			Factory-Supplied Enhance-ment	Field-Supplied Accessory				High-Temp		Low-Temp		Seasonal Efficiency HSPF
		TC		Standard Rating	TXV**	TXV & TDR**	EER	TC	COP	TC	COP	
048-30	CC5A/CD5AW060	47,000	TDR	—	12.00	—	10.40	48,000	3.26	32,200	2.46	8.0
	CE3AA060	47,000	TDR	—	12.00	—	10.40	48,000	3.60	32,400	2.62	8.0
	COILS + 58MVP100-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	46,000	TDR	—	11.50	—	10.05	48,000	3.46	32,200	2.54	8.0
	CC5A/CD5AW060	47,000	TDR	—	12.00	—	10.40	48,000	3.26	32,200	2.46	8.0
	CE3AA060	47,000	TDR	—	12.00	—	10.40	48,000	3.44	32,200	2.56	8.0
	CK3BA060	47,000	TDR	—	12.50	—	10.80	48,000	3.68	31,800	2.66	8.0
	CK5A/CK5BA060	47,000	TDR	—	12.50	—	10.80	48,000	3.46	32,200	2.54	8.0
	CK5A/CK5BT060	47,000	TDR	—	12.50	—	10.80	48,000	3.68	31,800	2.66	8.0
	CK5A/CK5BX060	47,000	TDR	—	12.00	—	10.55	48,000	3.68	31,800	2.66	8.0
	COILS + 58MVP120-20 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	46,000	TDR	—	11.50	—	10.05	48,000	3.46	32,200	2.54	8.0
	CC5A/CD5AW060	47,000	TDR	—	12.00	—	10.40	48,000	3.26	32,200	2.46	8.0
	CE3AA060	47,000	TDR	—	12.00	—	10.40	48,000	3.44	32,200	2.56	8.0
	CK3BA060	47,000	TDR	—	12.00	—	10.35	48,000	3.58	32,400	2.60	8.0
	CK5A/CK5BA060	47,000	TDR	—	12.00	—	10.35	48,000	3.58	32,400	2.60	8.0
	CK5A/CK5BT060	47,000	TDR	—	12.00	—	10.35	48,000	3.58	32,400	2.60	8.0
	CK5A/CK5BX060	47,000	TDR	—	12.00	—	10.60	48,000	3.58	32,400	2.60	8.0
060-30	*FK4DNB006	59,000	TDR&TXV	12.00	—	—	10.30	60,000	3.40	39,000	2.46	8.0
	CC5A/CD5AA060	55,000	NONE	—	—	11.00	9.45	60,000	2.94	39,000	2.24	7.0
	CC5A/CD5AW060	57,000	NONE	—	—	11.40	9.75	60,000	3.08	38,500	2.30	7.4
	CE3AA060	57,000	NONE	—	—	11.50	9.75	60,000	3.12	39,000	2.32	7.4
	CK3BA060	55,000	NONE	—	—	11.00	9.65	60,000	3.06	39,000	2.30	7.0
	CK5A/CK5BA060	55,000	NONE	—	—	11.00	9.65	60,000	3.06	39,000	2.30	7.0
	CK5A/CK5BT060	55,000	NONE	—	—	11.00	9.65	60,000	3.06	39,000	2.30	7.0
	CK5A/CK5BX060	57,000	NONE	—	—	11.50	9.85	60,000	3.18	39,000	2.36	7.4
	F(A,B)4BN(F,B,C)060	56,500	TDR	11.00	11.00	—	9.50	60,000	3.22	39,500	2.36	7.5
	F(A,B)4BN(F,B,C)060	56,500	TDR	—	11.20	—	9.50	60,000	3.16	40,000	2.32	7.5
	FB4BNB070	58,000	TDR	—	11.50	—	9.80	60,000	3.30	39,500	2.38	7.7
	FC4CN(F,B)060	56,500	TDR&TXV	11.20	—	—	9.50	60,000	3.16	40,000	2.32	7.5
	FC4CNB070	58,000	TDR&TXV	11.50	—	—	9.80	60,000	3.30	39,500	2.38	7.7
	FG3AAA060	55,500	NONE	—	—	11.30	9.60	60,000	3.04	39,000	2.30	7.3
	COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	54,500	TDR	—	11.30	—	9.75	60,000	2.96	38,500	2.28	7.2
	CE3AA060	56,500	TDR	—	11.50	—	10.05	60,000	3.16	38,500	2.38	7.5
	CK3BA060	54,500	TDR	—	11.50	—	9.90	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BA060	54,500	TDR	—	11.50	—	9.90	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BT060	54,500	TDR	—	11.50	—	9.90	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BX060	56,500	TDR	—	12.00	—	10.20	60,000	3.30	38,500	2.44	7.5
	COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	54,500	TDR	—	11.30	—	9.70	60,000	2.96	38,500	2.28	7.2
	CC5A/CD5AW060	54,500	TDR	—	11.50	—	10.00	60,000	3.14	38,500	2.36	7.5
	CE3AA060	56,500	TDR	—	11.50	—	10.05	60,000	3.16	38,500	2.38	7.5
	CK3BA060	54,500	TDR	—	11.50	—	9.85	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BA060	54,500	TDR	—	11.50	—	9.85	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BT060	54,500	TDR	—	11.50	—	9.85	60,000	3.28	39,000	2.40	7.5
	CK5A/CK5BX060	56,500	TDR	—	12.00	—	10.20	60,000	3.30	38,500	2.44	7.5
	COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	54,500	TDR	—	11.50	—	9.80	60,000	2.98	38,500	2.28	7.2
	CC5A/CD5AW060	54,500	TDR	—	11.50	—	10.10	60,000	3.16	38,500	2.36	7.5
	CE3AA060	56,500	TDR	—	11.50	—	10.10	60,000	3.18	38,500	2.38	7.5
	CK3BA060	54,500	TDR	—	11.50	—	9.95	60,000	3.28	38,500	2.42	7.5
	CK5A/CK5BA060	54,500	TDR	—	11.50	—	9.95	60,000	3.28	38,500	2.42	7.5
	CK5A/CK5BT060	54,500	TDR	—	11.50	—	9.95	60,000	3.28	38,500	2.42	7.5
	CK5A/CK5BX060	56,500	TDR	—	12.00	—	10.25	60,000	3.30	38,500	2.44	7.5

* 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.

† 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.

‡ Requires hard shutoff TXV; based on computer simulation.

** TDR is provided on most Carrier Furnaces.

COP — Coefficient of Performance
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														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**
38BYG018-30 Outdoor Section with F(A,B)4BN(F,C)024 Indoor Section																
550	72	21.0	10.5	1.51	20.1	10.2	1.69	19.2	9.86	1.91	18.2	9.52	2.12	17.2	9.17	2.36
	67	19.1	13.4	1.51	18.3	13.0	1.68	17.5	12.7	1.88	16.6	12.3	2.11	15.6	12.0	2.34
	63††	17.8	13.0	1.49	17.0	12.6	1.68	16.2	12.3	1.88	15.3	11.9	2.10	14.4	11.5	2.34
	62	17.5	16.1	1.49	16.7	15.8	1.68	16.0	15.4	1.88	15.2	15.0	2.10	14.4	14.4	2.33
	57	17.0	17.0	1.50	16.4	16.4	1.68	15.8	15.8	1.87	15.1	15.1	2.08	14.4	14.4	2.34
650	72	21.4	11.1	1.56	20.5	10.8	1.74	19.5	10.5	1.93	18.5	10.1	2.15	17.5	9.80	2.41
	67	19.5	14.4	1.53	18.7	14.1	1.73	17.8	13.8	1.93	16.8	13.4	2.14	15.9	13.1	2.39
	63††	18.2	14.0	1.53	17.4	13.7	1.72	16.5	13.3	1.93	15.6	12.9	2.13	14.7	12.5	2.38
	62	18.0	17.5	1.53	17.2	17.1	1.71	16.5	16.5	1.92	15.8	15.8	2.14	15.0	15.0	2.37
	57	17.8	17.8	1.53	17.2	17.2	1.72	16.5	16.5	1.91	15.8	15.8	2.12	15.0	15.0	2.38
750	72	21.6	11.7	1.58	20.7	11.4	1.78	19.7	11.1	1.98	18.7	10.7	2.19	17.7	10.4	2.45
	67	19.8	15.5	1.58	18.9	15.1	1.75	18.0	14.8	1.97	17.1	14.4	2.18	16.1	14.1	2.41
	63††	18.4	15.0	1.58	17.6	14.6	1.75	16.7	14.2	1.95	15.8	13.9	2.17	14.9	13.5	2.41
	62	18.5	18.5	1.57	17.8	17.8	1.75	17.1	17.1	1.96	16.3	16.3	2.18	15.5	15.5	2.41
	57	18.5	18.5	1.57	17.8	17.8	1.75	17.1	17.1	1.95	16.3	16.3	2.19	15.5	15.5	2.42

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	0.95	1.00	**FF1DNA**	018	0.94	0.95
	024	0.99	1.01		024	1.01	1.01
CC5A/CD5AW	024	0.99	1.01	**FF1DNE**	018	0.94	0.95
CE3AA	024	0.99	1.00	**FG3AAA**	024	0.98	1.02
CF5AA	024	0.99	1.00	**FK4DNF**	001	1.01	0.89
CK3BA	024	0.99	0.99		002	1.02	0.89
CK5A/CK5BA	018	0.95	0.99	**COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE**			
	024	0.99	0.99	**CC5A/CD5AA**	024	0.99	0.91
CK5A/CK5BW	024	0.99	0.99	**CC5A/CD5AW**	024	0.99	0.91
F(A,B)4BN(F,C)	018	0.93	0.98	**CE3AA**	024	0.99	0.91
	024	1.00	1.00	**CK3BA**	024	0.99	0.89
FC4CNF	024	1.01	1.01	**CK5A/CK5BA**	024	0.99	0.89
	—	—	—	**CK5A/CK5BW**	024	0.99	0.89

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**
38BYG024-30 Outdoor Section With F(A,B)4BN(F,C)030 Indoor Section																
725	72	25.7	13.0	1.95	24.7	12.6	2.15	23.7	12.2	2.38	22.7	11.9	2.63	21.6	11.5	2.92
	67	23.6	16.6	1.95	22.7	16.3	2.14	21.7	15.9	2.37	20.7	15.5	2.63	19.8	15.1	2.91
	63††	21.9	16.1	1.95	21.1	15.8	2.14	20.1	15.4	2.37	19.2	15.0	2.62	18.3	14.6	2.90
	62	21.7	20.1	1.94	20.8	19.7	2.14	19.9	19.3	2.37	19.1	18.8	2.62	18.3	18.2	2.90
	57	21.1	21.1	1.94	20.4	20.4	2.14	19.7	19.7	2.37	19.0	19.0	2.62	18.2	18.2	2.90
825	72	26.0	13.5	1.98	25.0	13.1	2.18	24.0	12.8	2.41	22.9	12.4	2.67	21.9	12.1	2.96
	67	24.0	17.6	1.98	23.0	17.2	2.18	22.0	16.9	2.41	21.0	16.5	2.66	20.0	16.1	2.95
	63††	22.3	17.0	1.98	21.4	16.7	2.18	20.4	16.3	2.40	19.5	15.9	2.66	18.5	15.5	2.94
	62	22.1	21.4	1.98	21.2	20.9	2.18	20.4	20.3	2.40	19.6	19.6	2.66	18.8	18.8	2.94
	57	21.9	21.9	1.98	21.1	21.1	2.18	20.4	20.4	2.40	19.6	19.6	2.66	18.8	18.8	2.94
925	72	26.3	14.0	2.01	25.2	13.6	2.22	24.2	13.3	2.44	23.1	12.9	2.70	22.0	12.6	3.00
	67	24.2	18.5	2.01	23.2	18.2	2.21	22.2	17.8	2.44	21.2	17.4	2.70	20.2	17.0	2.99
	63††	22.5	17.9	2.01	21.6	17.5	2.21	20.6	17.1	2.44	19.7	16.7	2.69	18.7	16.4	2.98
	62	22.5	22.4	2.01	21.7	21.7	2.21	20.9	20.9	2.44	20.1	20.1	2.69	19.3	19.3	2.98
	57	22.5	22.5	2.01	21.7	21.7	2.21	20.9	20.9	2.44	20.1	20.1	2.69	19.3	19.3	2.98

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	0.97	1.01	**FG3AAA**	024	0.97	1.02
	030	0.98	1.02	**FK4DNF**	001	1.01	0.91
CC5A/CD5AW	024	0.97	1.01		002	1.03	0.91
	030	0.98	1.02		003	1.03	0.91
CE3AA	024	0.98	1.01	**COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE**			
	030	1.00	1.02	**CC5A/CD5AA**	030	0.98	0.92
CF5AA	024	0.98	1.02	**CC5A/CD5AW**	030	0.98	0.92
CK3BA	024	0.97	1.00	**CE3AA**	030	0.98	0.91
	030	0.98	1.01	**CK3BA**	030	0.98	0.91
CK5A/CK5BA	024	0.97	1.00	**CK5A/CK5BA**	030	0.98	0.92
	030	0.98	1.01	**CK5A/CK5BW**	030	0.98	0.92
CK5A/CK5BW	024	0.97	1.00	**COILS + 58MVP040-14 VARIABLE-SPEED FURNACE**			
	030	0.98	1.01	**CE3AA**	030	1.00	0.93
F(A,B)4BN(F,C)	024	0.98	1.00	**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
	030	1.00	1.00	**CC5A/CD5AA**	030	0.98	0.94
FC4CNF	024	0.98	1.00	**CC5A/CD5AW**	030	0.98	0.94
	030	1.00	1.00	**CE3AA**	030	1.00	0.93
FF1DNA	024	0.98	1.01	**CK3BA**	030	0.98	0.92
	030	1.01	1.03	**CK5A/CK5BA**	030	0.98	0.94
FF1DNE	024	0.98	1.01	**CK5A/CK5BW**	030	0.98	0.93
	030	1.01	1.03		—	—	—

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**
38BYG030-30 Outdoor Section With F(A,B)4BN(F,C)036 Indoor Section																
900	72	32.1	16.6	2.38	30.8	16.1	2.67	29.3	15.6	2.99	27.9	15.0	3.32	26.3	14.5	3.68
	67	29.2	20.7	2.39	28.0	20.2	2.67	26.7	19.6	2.98	25.3	19.1	3.31	23.8	18.5	3.67
	63††	27.1	20.0	2.39	25.9	19.5	2.67	24.7	18.9	2.98	23.4	18.3	3.30	22.0	17.7	3.65
	62	26.7	24.8	2.39	25.5	24.2	2.67	24.4	23.6	2.97	23.2	22.9	3.30	21.9	21.9	3.65
	57	26.0	26.0	2.39	25.1	25.1	2.67	24.1	24.1	2.97	23.1	23.1	3.30	21.9	21.9	3.65
950	72	32.6	17.3	2.43	31.2	16.8	2.72	29.8	16.3	3.03	28.3	15.7	3.37	26.6	15.1	3.73
	67	29.7	22.0	2.43	28.4	21.4	2.72	27.1	20.9	3.03	25.6	20.3	3.36	24.1	19.7	3.72
	63††	27.6	21.2	2.44	26.3	20.6	2.72	25.0	20.1	3.02	23.7	19.5	3.35	22.3	18.8	3.70
	62	27.2	26.4	2.44	26.1	25.7	2.72	24.9	24.9	3.02	23.8	23.8	3.35	22.7	22.7	3.71
	57	26.9	26.9	2.44	26.0	26.0	2.72	24.9	24.9	3.02	23.8	23.8	3.35	22.7	22.7	3.71
1125	72	33.0	18.0	2.47	31.6	17.5	2.76	30.1	17.0	3.08	28.5	16.4	3.41	26.8	15.8	3.78
	67	30.1	23.2	2.48	28.8	22.6	2.77	27.3	22.1	3.08	25.9	21.5	3.40	24.3	20.8	3.77
	63††	27.9	22.3	2.48	26.6	21.7	2.77	25.3	21.2	3.07	23.9	20.6	3.40	22.5	19.9	3.75
	62	27.8	27.8	2.48	26.7	26.7	2.77	25.6	25.6	3.07	24.5	24.5	3.40	23.2	23.2	3.76
	57	27.7	27.7	2.48	26.7	26.7	2.77	25.6	25.6	3.07	24.5	24.5	3.40	23.3	23.3	3.76

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	0.98	0.99	**COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE**			
	036	1.01	0.99	**CC5A/CD5AA**	036	1.01	0.90
CC5A/CD5AW	030	0.98	0.99	**CC5A/CD5AW**	036	1.01	0.90
	036	1.01	0.99	**CE3AA**	036	1.01	0.91
CE3AA	030	0.99	0.98	**CK3BA**	036	1.01	0.90
	036	1.00	0.99	**CK5A/CK5BA**	036	1.01	0.90
CF5AA	036	1.00	0.98	**CK5A/CK5BW**	036	1.01	0.90
CK3BA	030	0.98	0.98	**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
	036	1.01	0.99	**CC5A/CD5AA**	036	1.01	0.93
CK5A/CK5BA	036	1.01	0.99	**CE3AA**	036	1.00	0.94
CK5A/CK5BT	036	1.01	0.99	**CK3BA**	036	1.01	0.93
CK5A/CK5BW	030	0.98	0.98	**CK5A/CK5BA**	036	1.01	0.93
	036	1.01	0.99	**CK5A/CK5BT**	036	1.01	0.93
F(A,B)4BN(F,C)	030	0.99	0.97	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
	036	1.00	1.00	**CC5A/CD5AW**	036	1.01	0.92
FC4CNF	030	0.99	0.97	**CE3AA**	036	1.00	0.92
	036	1.00	1.00	**CK3BA**	036	1.01	0.92
FF1DNA	030	0.99	0.99	**CK5A/CK5BW**	036	1.01	0.92
FF1DNE	030	0.99	0.99	**COILS + 58MVP100-20 VARIABLE-SPEED FURNACE**			
FG3AAA	036	1.00	1.00	**CC5A/CD5AA**	036	1.01	0.92
FK4DNF	001	1.01	0.92	**CC5A/CD5AW**	036	1.01	0.92
	002	1.01	0.91	**CE3AA**	036	1.00	0.92
	003	1.03	0.90	**CK3BA**	036	1.01	0.91
COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE				**CK5A/CK5BA**	036	1.01	0.91
CC5A/CD5AA	036	1.01	0.91	**CK5A/CK5BT**	036	1.01	0.91
CE3AA	036	1.00	0.92	**CK5A/CK5BW**	036	1.01	0.91
CK3BA	036	1.01	0.91	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	036	1.01	0.91	**CC5A/CD5AW**	036	1.01	0.92
CK5A/CK5BT	036	1.01	0.91	**CE3AA**	036	1.00	0.92
	—	—	—	**CK5A/CK5BW**	036	1.01	0.91

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F															
		85			95			105			115			125			
CFM	EWB	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**	Capacity MBtuh†		Total System kW**
		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
38BYG036-30 Outdoor Section With F(A,B)4BN(F,B,C)042 Indoor Section																	
1050	72	38.2	19.8	2.90	36.6	19.2	3.20	35.0	18.6	3.51	33.2	17.9	3.86	31.4	17.3	4.25
	67	34.8	24.8	2.88	33.3	24.2	3.17	31.8	23.6	3.48	30.2	22.9	3.83	28.5	22.2	4.21
	63††	32.3	24.0	2.86	30.9	23.3	3.15	29.5	22.7	3.46	27.9	22.0	3.81	26.3	21.3	4.18
	62	31.8	29.8	2.86	30.5	29.1	3.15	29.1	28.3	3.46	27.7	27.5	3.80	26.3	26.3	4.18
	57	31.1	31.1	2.85	30.0	30.0	3.14	28.8	28.8	3.46	27.6	27.6	3.80	26.3	26.3	4.18
1200	72	38.8	20.7	2.97	37.1	20.1	3.26	35.4	19.4	3.58	33.7	18.8	3.93	31.7	18.1	4.31
	67	35.3	26.3	2.94	33.8	25.7	3.23	32.2	25.0	3.55	30.6	24.4	3.90	28.8	23.6	4.27
	63††	32.8	25.4	2.92	31.4	24.7	3.22	29.9	24.1	3.53	28.3	23.4	3.87	26.6	22.6	4.24
	62	32.5	31.6	2.92	31.2	30.8	3.21	29.8	29.8	3.53	28.5	28.5	3.87	27.1	27.1	4.25
	57	32.2	32.2	2.92	31.0	31.0	3.21	29.8	29.8	3.53	28.5	28.5	3.87	27.1	27.1	4.25
1350	72	39.2	21.5	3.03	37.5	20.9	3.33	35.8	20.3	3.65	33.9	19.6	3.99	32.0	18.9	4.37
	67	35.7	27.8	3.01	34.2	27.1	3.30	32.5	26.5	3.62	30.8	25.7	3.96	29.0	25.0	4.34
	63††	33.2	26.7	2.99	31.7	26.1	3.28	30.2	25.4	3.59	28.5	24.6	3.93	26.9	23.9	4.31
	62	33.1	33.1	2.99	31.8	31.8	3.28	30.5	30.5	3.60	29.2	29.2	3.94	27.8	27.8	4.32
	57	33.1	33.1	2.99	31.8	31.8	3.28	30.6	30.6	3.60	29.2	29.2	3.94	27.8	27.8	4.32

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	0.99	0.99	CK5A/CK5BA	042	1.00	0.91
	042	0.99	0.99	CK5A/CK5BE	042	1.00	0.91
CC5A/CD5AW	036	0.99	0.92	CK5A/CK5BT	042	1.00	0.91
	042	0.99	0.99	**COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE**			
CE3AA	036	0.98	0.99	CC5A/CD5AA	042	1.00	0.90
	042	1.00	0.99	CC5A/CD5AW	042	1.00	0.90
CF5AA	036	0.99	0.98	CE3AA	042	1.00	0.90
CK3BA	036	0.99	0.99	CK3BA	042	1.00	0.90
	042	0.99	0.99	CK5A/CK5BA	042	1.00	0.90
CK5A/CK5BA	036	0.99	0.98	CK5A/CK5BT	042	1.00	0.90
	042	0.99	0.99	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CK5A/CK5BE	042	0.99	0.98	CC5A/CD5AA	042	1.00	0.90
CK5A/CK5BT	036	0.99	0.99	CC5A/CD5AW	042	1.00	0.91
	042	0.99	0.99	CE3AA	042	1.00	0.90
CK5A/CK5BW	036	0.99	0.99	CK3BA	042	1.00	0.91
F(A,B)4BN(F,B,C)	042	1.00	1.00	CK5A/CK5BA	042	1.00	0.91
F(A,B)4BN(F,C)	036	0.98	1.00	CK5A/CK5BT	042	1.00	0.91
FC4CN(F,B)	042	1.00	1.00	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FC4CNF	036	0.98	1.00	CC5A/CD5AA	042	1.00	0.90
FG3AAA	036	0.98	0.99	CC5A/CD5AW	042	1.00	0.90
FK4DNF	001	0.98	0.93	CE3AA	042	1.00	0.90
	002	0.99	0.94	CK3BA	042	1.00	0.90
	003	0.99	0.90	CK5A/CK5BA	042	1.00	0.90
	005	1.04	0.90	CK5A/CK5BT	042	1.00	0.90
COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE				**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
CE3AA	042	1.00	0.92	CE3AA	042	0.99	0.95
CK5A/CK5BE	042	1.00	0.92	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				CC5A/CD5AA	042	0.99	0.93
CC5A/CD5AA	042	1.00	0.91	CC5A/CD5AW	042	0.99	0.94
CE3AA	042	1.00	0.91	CE3AA	042	0.99	0.94
CK3BA	042	1.00	0.91	CK5A/CK5BA	042	0.99	0.94
	—	—	—	CK5A/CK5BT	042	0.99	0.94

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**
38BYG036-30 Outdoor Section With F(A,B)4BN(F,B,C)042 Indoor Section continued																
1050	72	38.2	19.8	2.90	36.6	19.2	3.20	35.0	18.6	3.51	33.2	17.9	3.86	31.4	17.3	4.25
	67	34.8	24.8	2.88	33.3	24.2	3.17	31.8	23.6	3.48	30.2	22.9	3.83	28.5	22.2	4.21
	63††	32.3	24.0	2.86	30.9	23.3	3.15	29.5	22.7	3.46	27.9	22.0	3.81	26.3	21.3	4.18
	62	31.8	29.8	2.86	30.5	29.1	3.15	29.1	28.3	3.46	27.7	27.5	3.80	26.3	26.3	4.18
	57	31.1	31.1	2.85	30.0	30.0	3.14	28.8	28.8	3.46	27.6	27.6	3.80	26.3	26.3	4.18
1200	72	38.8	20.7	2.97	37.1	20.1	3.26	35.4	19.4	3.58	33.7	18.8	3.93	31.7	18.1	4.31
	67	35.3	26.3	2.94	33.8	25.7	3.23	32.2	25.0	3.55	30.6	24.4	3.90	28.8	23.6	4.27
	63††	32.8	25.4	2.92	31.4	24.7	3.22	29.9	24.1	3.53	28.3	23.4	3.87	26.6	22.6	4.24
	62	32.5	31.6	2.92	31.2	30.8	3.21	29.8	29.8	3.53	28.5	28.5	3.87	27.1	27.1	4.25
	57	32.2	32.2	2.92	31.0	31.0	3.21	29.8	29.8	3.53	28.5	28.5	3.87	27.1	27.1	4.25
1350	72	39.2	21.5	3.03	37.5	20.9	3.33	35.8	20.3	3.65	33.9	19.6	3.99	32.0	18.9	4.37
	67	35.7	27.8	3.01	34.2	27.1	3.30	32.5	26.5	3.62	30.8	25.7	3.96	29.0	25.0	4.34
	63††	33.2	26.7	2.99	31.7	26.1	3.28	30.2	25.4	3.59	28.5	24.6	3.93	26.9	23.9	4.31
	62	33.1	33.1	2.99	31.8	31.8	3.28	30.5	30.5	3.60	29.2	29.2	3.94	27.8	27.8	4.32
	57	33.1	33.1	2.99	31.8	31.8	3.28	30.6	30.6	3.60	29.2	29.2	3.94	27.8	27.8	4.32

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
COILS + 58MVP080-20 VARIABLE-SPEED FURNACE				**CE3AA**	042	0.99	0.93
CC5A/CD5AA	042	0.99	0.93	**CK3BA**	042	0.99	0.92
CC5A/CD5AW	042	0.99	0.93	**CK5A/CK5BA**	042	0.99	0.92
CE3AA	042	0.99	0.93	**CK5A/CK5BT**	042	0.99	0.92
CK3BA	042	0.99	0.95	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	042	0.99	0.95	**CC5A/CD5AA**	042	0.99	0.93
CK5A/CK5BT	042	0.99	0.95	**CC5A/CD5AW**	042	0.99	0.93
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				**CE3AA**	042	0.99	0.93
CC5A/CD5AA	042	0.99	0.93	**CK5A/CK5BA**	042	0.99	0.92
CC5A/CD5AW	042	0.99	0.93	**CK5A/CK5BT**	042	0.99	0.92

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**
38BYG042-30 Outdoor Section With F(A,B)4BN(F,B,C)048 Indoor Section																
1275	72	44.7	22.9	3.39	42.9	22.3	3.72	41.0	21.6	4.08	39.0	20.9	4.47	36.9	20.2	4.89
	67	41.2	29.7	3.34	39.5	29.1	3.67	37.7	28.4	4.03	35.8	27.6	4.41	33.9	26.9	4.83
	63††	38.4	28.9	3.31	36.8	28.2	3.63	35.2	27.5	3.99	33.4	26.7	4.37	31.5	25.9	4.78
	62	38.0	36.2	3.30	36.5	35.4	3.63	34.9	34.5	3.98	33.3	33.3	4.37	31.8	31.8	4.78
	57	37.5	37.5	3.30	36.2	36.2	3.62	34.8	34.8	3.98	33.3	33.3	4.37	31.8	31.8	4.78
1475	72	45.3	24.1	3.47	43.4	23.4	3.80	41.6	22.8	4.17	39.4	22.1	4.56	37.3	21.3	4.98
	67	41.8	31.8	3.43	40.0	31.1	3.76	38.2	30.4	4.11	36.2	29.6	4.50	34.2	28.9	4.92
	63††	39.0	30.8	3.40	37.4	30.1	3.72	35.6	29.4	4.07	33.7	28.6	4.45	31.9	27.8	4.87
	62	38.9	38.6	3.39	37.4	37.4	3.72	36.0	36.0	4.08	34.4	34.4	4.47	32.8	32.8	4.89
	57	38.8	38.8	3.39	37.4	37.4	3.72	35.9	35.9	4.08	34.4	34.4	4.47	32.8	32.8	4.89
1675	72	45.8	25.2	3.56	43.7	24.5	3.89	41.8	23.9	4.25	39.6	23.2	4.64	37.4	22.5	5.07
	67	42.1	33.8	3.52	40.3	33.1	3.84	38.5	32.3	4.20	36.5	31.6	4.59	34.5	30.8	5.01
	63††	39.4	32.6	3.48	37.7	31.9	3.81	35.9	31.1	4.16	34.0	30.4	4.54	32.1	29.5	4.96
	62	39.8	39.8	3.49	38.4	38.4	3.82	36.9	36.9	4.18	35.2	35.2	4.57	33.6	33.6	4.99
	57	39.8	39.8	3.49	38.4	38.4	3.82	36.9	36.9	4.18	35.2	35.2	4.57	33.6	33.6	4.99

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	042	0.98	0.97	**COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE**			
CC5A/CD5AC	048	0.98	0.98	**CC5A/CD5AC**	048	0.98	0.90
CC5A/CD5AW	048	1.00	1.00	**CC5A/CD5AW**	048	0.98	0.89
CD5AA	048	1.00	0.99	**CD5AA**	048	0.98	0.89
CE3AA	042	0.99	0.98	**CE3AA**	048	0.98	0.90
	048	1.00	0.99	**CK3BA**	048	0.98	0.89
CF5AA	048	1.00	0.99	**CK5A/CK5BA**	048	0.98	0.89
CK3BA	042	0.98	0.97	**CK5A/CK5BT**	048	0.98	0.89
	048	1.00	0.98	**CK5A/CK5BW**	048	0.98	0.89
CK5A/CK5BA	042	0.98	0.97	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
	048	1.00	0.98	**CC5A/CD5AC**	048	0.98	0.90
CK5A/CK5BE	042	0.98	0.96	**CC5A/CD5AW**	048	0.98	0.89
CK5A/CK5BT	042	0.98	0.97	**CD5AA**	048	0.98	0.89
	048	1.00	0.98	**CE3AA**	048	0.98	0.90
CK5A/CK5BW	048	1.00	0.98	**CK3BA**	048	0.98	0.89
F(A,B)4BN(F,B,C)	042	0.99	1.01	**CK5A/CK5BA**	048	0.98	0.89
	048	1.00	1.00	**CK5A/CK5BT**	048	0.98	0.89
FC4CN(F,B)	042	0.99	1.01	**CK5A/CK5BW**	048	0.98	0.89
	048	1.00	1.00	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FG3AAA	048	0.99	0.98	**CC5A/CD5AC**	048	0.98	0.90
FK4DNB	006	1.05	0.89	**CC5A/CD5AW**	048	0.98	0.88
FK4DNF	003	0.99	0.91	**CD5AA**	048	0.98	0.88
	005	1.04	0.91	**CE3AA**	048	0.98	0.89
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				**CK3BA**	048	0.98	0.89
CC5A/CD5AC	048	0.98	0.91	**CK5A/CK5BA**	048	0.98	0.89
CD5AA	048	0.98	0.90	**CK5A/CK5BT**	048	0.98	0.89
CE3AA	048	0.98	0.90	**CK5A/CK5BW**	048	0.98	0.89
CK3BA	048	0.98	0.90	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	048	0.98	0.90	**CD5AA**	048	1.00	0.96
CK5A/CK5BT	048	0.98	0.90	**CE3AA**	048	1.00	0.97

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System	Capacity MBtuh†		Total System
CFM	EWB	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**	Total	Sens‡	kW**
38BYG042-30 Outdoor Section With F(A,B)4BN(F,B,C)048 Indoor Section continued																
1275	72	44.7	22.9	3.39	42.9	22.3	3.72	41.0	21.6	4.08	39.0	20.9	4.47	36.9	20.2	4.89
	67	41.2	29.7	3.34	39.5	29.1	3.67	37.7	28.4	4.03	35.8	27.6	4.41	33.9	26.9	4.83
	63††	38.4	28.9	3.31	36.8	28.2	3.63	35.2	27.5	3.99	33.4	26.7	4.37	31.5	25.9	4.78
	62	38.0	36.2	3.30	36.5	35.4	3.63	34.9	34.5	3.98	33.3	33.3	4.37	31.8	31.8	4.78
	57	37.5	37.5	3.30	36.2	36.2	3.62	34.8	34.8	3.98	33.3	33.3	4.37	31.8	31.8	4.78
1475	72	45.3	24.1	3.47	43.4	23.4	3.80	41.6	22.8	4.17	39.4	22.1	4.56	37.3	21.3	4.98
	67	41.8	31.8	3.43	40.0	31.1	3.76	38.2	30.4	4.11	36.2	29.6	4.50	34.2	28.9	4.92
	63††	39.0	30.8	3.40	37.4	30.1	3.72	35.6	29.4	4.07	33.7	28.6	4.45	31.9	27.8	4.87
	62	38.9	38.6	3.39	37.4	37.4	3.72	36.0	36.0	4.08	34.4	34.4	4.47	32.8	32.8	4.89
	57	38.8	38.8	3.39	37.4	37.4	3.72	35.9	35.9	4.08	34.4	34.4	4.47	32.8	32.8	4.89
1675	72	45.8	25.2	3.56	43.7	24.5	3.89	41.8	23.9	4.25	39.6	23.2	4.64	37.4	22.5	5.07
	67	42.1	33.8	3.52	40.3	33.1	3.84	38.5	32.3	4.20	36.5	31.6	4.59	34.5	30.8	5.01
	63††	39.4	32.6	3.48	37.7	31.9	3.81	35.9	31.1	4.16	34.0	30.4	4.54	32.1	29.5	4.96
	62	39.8	39.8	3.49	38.4	38.4	3.82	36.9	36.9	4.18	35.2	35.2	4.57	33.6	33.6	4.99
	57	39.8	39.8	3.49	38.4	38.4	3.82	36.9	36.9	4.18	35.2	35.2	4.57	33.6	33.6	4.99

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CK5A/CK5BA	048	1.00	0.97	**CK3BA**	048	1.00	0.95
CK5A/CK5BT	048	1.00	0.97	**CK5A/CK5BA**	048	1.00	0.95
COILS + 58MVP080-20 VARIABLE-SPEED FURNACE				**CK5A/CK5BT**	048	1.00	0.95
CD5AA	048	1.00	0.95	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CE3AA	048	1.00	0.96	**CC5A/CD5AW**	048	1.00	0.95
CK5A/CK5BA	048	1.00	0.98	**CE3AA**	048	1.00	0.96
CK5A/CK5BT	048	1.00	0.98	**CK3BA**	048	1.00	0.95
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				**CK5A/CK5BA**	048	1.00	0.95
CD5AA	048	1.00	0.95	**CK5A/CK5BT**	048	1.00	0.95
CE3AA	048	1.00	0.96	**CK5A/CK5BW**	048	1.00	0.95

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F															
		85			95			105			115			125			
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**
38BYG048-30 Outdoor Section With FK4DNF005 Indoor Section																	
1400	72	54.2	27.2	3.94	52.0	26.4	4.42	49.7	25.6	4.95	47.3	24.7	5.52	44.7	23.8	6.12
	67	50.1	34.7	3.91	48.0	33.8	4.39	45.8	33.0	4.90	43.5	32.0	5.46	41.2	31.1	6.05
	63††	46.7	33.8	3.88	44.8	32.9	4.35	42.7	32.0	4.86	40.6	31.1	5.41	38.3	30.1	6.00
	62	46.1	41.9	3.88	44.2	41.0	4.35	42.3	40.0	4.86	40.2	38.9	5.41	38.0	37.8	5.99
	57	44.7	44.7	3.87	43.2	43.2	4.34	41.5	41.5	4.85	39.6	39.6	5.39	37.9	37.9	5.99
1600	72	55.1	28.5	4.00	52.8	27.7	4.49	50.4	26.9	5.01	47.9	26.0	5.58	45.3	25.1	6.19
	67	51.0	36.9	3.97	48.8	36.0	4.45	46.6	35.1	4.97	44.2	34.2	5.53	41.7	33.3	6.12
	63††	47.6	35.8	3.94	45.6	35.0	4.41	43.4	34.1	4.93	41.2	33.1	5.48	38.9	32.1	6.07
	62	47.1	44.8	3.94	45.2	43.8	4.41	43.2	42.7	4.92	41.2	41.2	5.48	39.3	39.3	6.07
	57	46.4	46.4	3.93	44.7	44.7	4.41	43.0	43.0	4.92	41.1	41.1	5.47	39.2	39.2	6.07
1800	72	55.7	29.7	4.06	53.4	28.9	4.55	51.0	28.0	5.07	48.4	27.1	5.64	45.7	26.2	6.25
	67	51.6	39.0	4.03	49.4	38.1	4.51	47.1	37.2	5.03	44.7	36.3	5.59	42.2	35.3	6.19
	63††	48.3	37.8	4.00	46.2	36.9	4.48	44.0	36.0	4.99	41.7	35.0	5.54	39.3	34.0	6.13
	62	48.1	47.4	4.00	46.2	46.1	4.47	44.3	44.3	4.99	42.4	42.4	5.55	40.4	40.4	6.15
	57	47.8	47.8	4.00	46.0	46.0	4.47	44.3	44.3	4.99	42.2	42.2	5.54	40.3	40.3	6.15

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	1.05	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CC5A/CD5AC	048	0.93	1.04	CC5A/CD5AA	060	0.94	0.97
CC5A/CD5AW	048	0.95	1.05	CC5A/CD5AW	060	0.98	0.99
	060	0.98	1.05	CE3AA	060	0.95	0.96
CD5AA	048	0.95	1.05	CK3BA	060	0.95	0.96
CE3AA	048	0.96	1.05	CK5A/CK5BA	060	0.95	0.96
	060	0.99	1.06	CK5A/CK5BT	060	0.95	0.96
CF5AA	048	0.94	1.03	CK5A/CK5BX	060	0.98	0.97
CK3BA	048	0.95	1.05	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
	060	0.96	1.03	CC5A/CD5AA	060	0.94	0.96
CK5A/CK5BA	048	0.95	1.05	CC5A/CD5AW	060	0.98	0.98
	060	0.96	1.03	CE3AA	060	0.95	0.95
CK5A/CK5BT	048	0.95	1.05	CK3BA	060	0.95	0.95
	060	0.96	1.03	CK5A/CK5BA	060	0.95	0.95
CK5A/CK5BW	048	0.95	1.05	CK5A/CK5BT	060	0.95	0.95
CK5A/CK5BX	060	0.98	1.04	CK5A/CK5BX	060	0.98	0.96
F(A,B)4BN(F,B,C)	048	0.96	1.06	**COILS + 58MVP080-20 VARIABLE-SPEED FURNACE**			
	060	0.99	1.08	CC5A/CD5AA	060	0.96	1.04
FB4BNB	070	1.00	1.05	CC5A/CD5AW	060	0.98	1.03
FC4CN(F,B)	048	0.96	1.06	CE3AA	060	0.98	1.03
	060	0.99	1.08	**COILS + 58MVP100-20 VARIABLE-SPEED FURNACE**			
FC4CNB	054	1.00	1.05	CC5A/CD5AA	060	0.96	1.04
	070	1.00	1.05	CC5A/CD5AW	060	0.98	1.03
FG3AAA	048	0.94	1.04	CE3AA	060	0.98	1.03
	060	0.96	1.04	CK3BA	060	0.98	0.99
FK4DNB	006	1.00	0.96	CK5A/CK5BA	060	0.98	0.99
FK4DNF	005	1.00	1.00	CK5A/CK5BT	060	0.98	0.99
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				CK5A/CK5BX	060	0.98	1.02
CE3AA	060	0.95	0.97	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE				CC5A/CD5AA	060	0.96	1.04
CC5A/CD5AA	060	0.94	0.97	CC5A/CD5AW	060	0.98	1.03
CE3AA	060	0.95	0.95	CE3AA	060	0.98	1.03
CK3BA	060	0.95	0.96	CK3BA	060	0.98	1.04
CK5A/CK5BA	060	0.95	0.96	CK5A/CK5BA	060	0.98	1.04
CK5A/CK5BT	060	0.95	0.96	CK5A/CK5BT	060	0.98	1.04
CK5A/CK5BX	060	0.98	0.96	CK5A/CK5BX	060	0.98	1.01

See notes on pg. 24.

Detailed cooling capacities* continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total System kW**
38BYG060-30 Outdoor Section With FK4DNB006 Indoor Section																
1750	72	66.7	33.9	5.29	63.7	32.8	5.86	60.5	31.7	6.48	57.2	30.5	7.16	53.6	29.3	7.88
	67	61.8	43.6	5.22	59.0	42.4	5.78	56.0	41.3	6.40	52.9	40.1	7.07	49.7	38.8	7.78
	63††	57.9	42.5	5.16	55.3	41.4	5.72	52.5	40.1	6.33	49.5	38.9	6.99	46.5	37.6	7.69
	62	57.2	53.0	5.15	54.6	51.7	5.71	52.0	50.4	6.32	49.2	48.8	6.98	46.5	46.5	7.70
	57	55.9	55.9	5.13	53.8	53.8	5.70	51.6	51.6	6.32	49.2	49.2	6.98	46.6	46.6	7.70
2000	72	67.8	35.6	5.39	64.7	34.5	5.96	61.5	33.4	6.59	58.1	32.2	7.26	54.4	31.0	7.99
	67	62.6	46.3	5.31	59.7	45.2	5.87	56.6	44.0	6.49	53.4	42.7	7.15	50.0	41.4	7.87
	63††	59.0	45.2	5.26	56.3	44.1	5.82	53.4	42.8	6.44	50.4	41.6	7.09	47.3	40.2	7.80
	62	58.2	56.6	5.24	55.7	55.1	5.80	53.1	53.1	6.42	50.5	50.5	7.09	47.9	47.9	7.81
	57	57.8	57.8	5.24	55.5	55.5	5.80	53.2	53.2	6.42	50.6	50.6	7.10	47.9	47.9	7.82
2250	72	68.3	37.0	5.47	65.5	36.1	6.06	62.2	35.0	6.68	58.7	33.8	7.36	54.6	32.4	8.06
	67	63.5	49.1	5.40	60.6	48.0	5.97	57.4	46.7	6.59	53.8	45.3	7.24	50.4	44.0	7.95
	63††	59.6	47.6	5.34	57.1	46.6	5.92	54.2	45.4	6.53	51.1	44.1	7.19	47.5	42.5	7.88
	62	59.6	59.5	5.34	57.2	57.2	5.91	54.7	54.7	6.53	51.7	51.7	7.20	48.9	48.9	7.92
	57	59.3	59.3	5.34	57.0	57.0	5.90	54.5	54.5	6.53	51.8	51.8	7.20	49.0	49.0	7.92

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	060	0.93	1.02	**CK5A/CK5BT**	060	0.92	0.96
CC5A/CD5AW	060	0.97	1.02	**CK5A/CK5BX**	060	0.96	0.97
CE3AA	060	0.97	1.02	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CK3BA	060	0.93	0.99	**CC5A/CD5AA**	060	0.92	0.98
CK5A/CK5BA	060	0.93	0.99	**CC5A/CD5AW**	060	0.92	0.95
CK5A/CK5BT	060	0.93	0.99	**CE3AA**	060	0.96	0.98
CK5A/CK5BX	060	0.97	1.01	**CK3BA**	060	0.92	0.97
F(A,B)4BN(F,B,C)	060	0.96	1.04	**CK5A/CK5BA**	060	0.92	0.97
FB4BNB	070	0.98	1.03	**CK5A/CK5BT**	060	0.92	0.97
FC4CN(F,B)	060	0.96	1.04	**CK5A/CK5BX**	060	0.96	0.97
FC4CNB	070	0.98	1.03	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FG3AAA	060	0.94	1.01	**CC5A/CD5AA**	060	0.92	0.97
FK4DNB	006	1.00	1.00	**CC5A/CD5AW**	060	0.92	0.94
COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE				**CE3AA**	060	0.96	0.98
CC5A/CD5AA	060	0.92	0.98	**CK3BA**	060	0.92	0.96
CE3AA	060	0.96	0.98	**CK5A/CK5BA**	060	0.92	0.96
CK3BA	060	0.92	0.96	**CK5A/CK5BT**	060	0.92	0.96
CK5A/CK5BA	060	0.92	0.96	**CK5A/CK5BX**	060	0.96	0.96

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 same elevation per ARI standard 210/240-94. If additional tubing length and/or indoor unit is located above outdoor unit, a slight variation in capacity may occur.

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

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

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

†† At TVA rating indoor condition (75°F edb/63°F ewb). All other indoor air temperatures are at 80°F 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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG018-30 Outdoor Section With F(A,B)4BN(F,C)024 Indoor Section																								
65	550	7.82	7.20	1.19	9.40	8.63	1.24	11.2	10.2	1.29	13.1	11.6	1.34	15.3	13.9	1.42	17.8	17.8	1.52	20.5	20.5	1.64	23.6	23.6	1.82
	650	7.97	7.33	1.21	9.55	8.78	1.25	11.3	10.3	1.29	13.2	11.8	1.34	15.5	14.1	1.41	18.0	18.0	1.51	20.8	20.8	1.63	23.9	23.9	1.80
	550	8.10	7.45	1.23	9.69	8.91	1.27	11.5	10.5	1.31	13.4	11.9	1.35	15.7	14.3	1.42	18.2	18.2	1.52	20.9	20.9	1.64	24.1	24.1	1.82
70	650	7.73	7.11	1.25	9.29	8.54	1.30	11.0	10.1	1.36	12.9	11.5	1.42	15.1	13.7	1.49	17.6	17.6	1.59	20.3	20.3	1.72	23.3	23.3	1.90
	750	7.87	7.24	1.27	9.44	8.68	1.31	11.2	10.2	1.36	13.1	11.6	1.41	15.3	13.9	1.49	17.8	17.8	1.58	20.5	20.5	1.71	23.6	23.6	1.88
	550	8.01	7.37	1.29	9.58	8.81	1.33	11.4	10.4	1.37	13.3	11.8	1.42	15.5	14.1	1.49	18.0	18.0	1.59	20.7	20.7	1.71	23.9	23.9	1.89
75	550	7.61	7.00	1.31	9.19	8.45	1.37	10.9	9.95	1.42	12.8	11.3	1.49	14.9	13.6	1.57	17.4	17.4	1.67	20.0	20.0	1.81	23.1	23.1	1.98
	650	7.76	7.14	1.33	9.34	8.59	1.38	11.1	10.1	1.43	13.0	11.5	1.49	15.2	13.8	1.56	17.6	17.6	1.66	20.3	20.3	1.79	23.4	23.4	1.96
	750	7.90	7.27	1.35	9.48	8.71	1.39	11.2	10.2	1.44	13.1	11.6	1.49	15.3	13.9	1.56	17.8	17.8	1.66	20.5	20.5	1.79	23.6	23.6	1.96

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	0.98	1.09	**FF1DNA**	018	0.98	1.02
	024	0.99	1.04		024	1.00	1.00
CC5A/CD5AW	024	0.99	1.04	**FF1DNE**	018	0.98	1.02
CE3AA	024	0.99	1.03	**FG3AAA**	024	0.99	1.05
CF5AA	024	1.00	1.03	**FK4DNF**	001	0.97	0.92
CK3BA	024	1.01	0.99		002	0.97	0.90
CK5A/CK5BA	018	0.99	1.03	**COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE**			
	024	1.01	0.99	**CC5A/CD5AA**	024	0.96	0.99
CK5A/CK5BW	024	1.01	0.99	**CC5A/CD5AW**	024	0.96	0.99
F(A,B)4BN(F,C)	018	0.98	1.05	**CE3AA**	024	0.96	0.98
	024	1.00	1.00	**CK3BA**	024	0.96	0.92
FC4CNF	024	1.00	1.00	**CK5A/CK5BA**	024	0.96	0.92
	—	—	—	**CK5A/CK5BW**	024	0.96	0.92

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG024-30 Outdoor Section With F(A,B)4BN(F,C)030 Indoor Section																									
65	725	9.88	9.09	1.75	12.4	11.4	1.80	14.8	13.5	1.84	17.5	15.5	1.88	20.4	18.5	1.93	23.6	23.6	1.99	27.4	27.4	2.07	31.5	31.5	2.19
	825	10.1	9.26	1.77	12.5	11.5	1.81	15.0	13.7	1.84	17.6	15.7	1.88	20.6	18.8	1.92	23.8	23.8	1.97	27.7	27.7	2.05	31.9	31.9	2.16
	925	10.2	9.41	1.79	12.7	11.7	1.83	15.2	13.8	1.86	17.8	15.8	1.89	20.8	18.9	1.92	24.1	24.1	1.96	27.9	27.9	2.04	32.2	32.2	2.14
70	725	9.56	8.80	1.80	12.1	11.1	1.86	14.6	13.3	1.91	17.3	15.3	1.96	20.2	18.3	2.01	23.4	23.4	2.08	27.0	27.0	2.17	31.1	31.1	2.30
	825	9.76	8.98	7.83	12.3	11.3	1.88	14.8	13.5	1.92	17.4	15.5	1.96	20.4	18.5	2.00	23.6	23.6	2.06	27.3	27.3	2.14	31.5	31.5	2.25
	925	9.93	9.14	1.85	12.5	11.5	1.90	15.0	13.6	1.93	17.6	15.6	1.97	20.6	18.7	2.00	23.8	23.8	2.05	27.6	27.6	2.13	31.8	31.8	2.23
75	725	9.25	8.51	1.86	11.9	10.9	1.93	14.4	13.2	1.99	17.1	15.2	2.04	19.9	18.1	2.10	23.1	23.1	2.18	26.7	26.7	2.27	30.8	30.8	2.41
	825	9.44	8.68	1.88	12.1	11.1	1.94	14.6	13.3	2.00	17.2	15.3	2.04	20.1	18.3	2.09	23.4	23.4	2.15	27.0	27.0	2.24	31.1	31.1	2.36
	925	9.61	8.84	1.91	12.2	11.2	1.96	14.8	13.5	2.01	17.4	15.5	2.05	20.3	18.5	2.09	23.6	23.6	2.14	27.3	27.3	2.22	31.4	31.4	2.33

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	1.00	1.06	**FG3AAA**	024	1.00	1.06
	030	1.00	1.07	**FK4DNF**	001	0.98	0.95
CC5A/CD5AW	024	1.00	1.06		002	0.98	0.92
	030	1.00	1.07		003	0.97	0.92
CE3AA	024	1.00	1.04	**COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE**			
	030	1.00	1.02	**CC5A/CD5AA**	030	0.97	1.02
CF5AA	024	1.00	1.06	**CC5A/CD5AW**	030	0.97	1.02
CK3BA	024	1.00	0.99	**CE3AA**	030	0.97	0.98
	030	1.00	1.03	**CK3BA**	030	0.97	0.98
CK5A/CK5BA	024	1.00	0.99	**CK5A/CK5BA**	030	0.97	0.98
	030	1.00	1.02	**CK5A/CK5BW**	030	0.97	0.98
CK5A/CK5BW	024	1.00	0.99	**COILS + 58MVP040-14 VARIABLE-SPEED FURNACE**			
	030	1.00	1.02	**CE3AA**	030	0.99	0.96
F(A,B)4BN(F,C)	024	1.00	1.01	**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
	030	1.00	1.00	**CC5A/CD5AA**	030	0.98	1.01
FC4CNF	024	1.00	1.01	**CC5A/CD5AW**	030	0.98	1.01
	030	1.00	1.00	**CE3AA**	030	0.99	0.96
FF1DNA	024	1.00	1.02	**CK3BA**	030	0.98	0.96
	030	1.00	1.01	**CK5A/CK5BA**	030	0.99	0.97
FF1DNE	024	1.00	1.02	**CK5A/CK5BW**	030	0.99	0.97
	030	1.00	1.01		—	—	—

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG030-30 Outdoor Section With F(A,B)4BN(F,C)036 Indoor Section																									
65	875	12.2	11.2	2.00	15.0	13.8	2.07	18.1	16.5	2.15	21.6	19.2	2.26	25.4	23.1	2.39	29.6	29.6	2.55	34.5	34.5	2.77	39.0	39.0	2.91
	1000	12.4	11.4	2.02	15.2	14.0	2.09	18.4	16.8	2.16	21.9	19.4	2.26	25.7	23.4	2.38	30.0	30.0	2.54	34.6	34.6	2.69	38.4	38.4	2.83
	1125	12.6	11.6	2.05	15.4	14.2	2.11	18.6	17.0	2.18	22.1	19.7	2.27	26.0	23.6	2.38	30.2	30.2	2.53	34.4	34.4	2.65	37.8	37.8	2.78
70	875	11.9	10.9	2.08	14.7	13.5	2.16	17.8	16.3	2.25	21.3	18.9	2.36	25.1	22.9	2.50	29.3	29.3	2.67	34.1	34.1	2.89	38.9	38.9	3.07
	1000	12.1	11.1	2.11	15.0	13.8	2.18	18.1	16.5	2.25	21.6	19.2	2.36	25.4	23.1	2.48	29.6	29.6	2.65	34.4	34.4	2.83	38.6	38.6	2.97
	1125	12.3	11.3	2.14	15.2	13.9	2.20	18.3	16.7	2.27	21.9	19.4	2.37	25.7	23.4	2.49	29.9	29.9	2.64	34.4	34.4	2.78	38.1	38.1	2.92
75	875	11.6	10.7	2.16	14.5	13.3	2.26	17.6	16.0	2.35	21.0	18.7	2.47	24.8	22.6	2.61	28.9	28.9	2.79	33.7	33.7	3.02	38.7	38.7	3.23
	1000	11.8	10.9	2.19	14.7	13.5	2.27	17.8	16.2	2.35	21.3	18.9	2.46	25.1	22.9	2.59	29.3	29.3	2.76	34.1	34.1	2.98	38.6	38.6	3.12
	1125	12.0	11.0	2.22	14.9	13.7	2.30	18.0	16.5	2.37	21.5	19.1	2.47	25.4	23.1	2.60	29.5	29.5	2.76	34.3	34.3	2.93	38.2	38.2	3.07

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	0.98	1.04	**COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE**			
	036	0.99	0.98	**CC5A/CD5AA**	036	0.98	0.95
CC5A/CD5AW	030	0.98	1.04	**CC5A/CD5AW**	036	0.98	0.95
	036	0.99	0.98	**CE3AA**	036	0.98	0.97
CE3AA	030	0.99	0.99	**CK3BA**	036	0.98	0.93
	036	0.99	1.01	**CK5A/CK5BA**	036	0.98	0.93
CF5AA	036	0.99	0.99	**CK5A/CK5BW**	036	0.98	0.93
CK3BA	030	0.98	1.00	**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
	036	0.99	0.97	**CC5A/CD5AA**	036	0.98	0.94
CK5A/CK5BA	036	0.99	0.98	**CE3AA**	036	0.98	0.97
CK5A/CK5BT	036	0.99	0.97	**CK3BA**	036	0.98	0.93
CK5A/CK5BW	030	0.98	1.00	**CK5A/CK5BA**	036	0.98	0.93
	036	0.99	0.97	**CK5A/CK5BT**	036	0.98	0.93
F(A,B)4BN(F,C)	030	0.99	0.98	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
	036	1.00	1.00	**CC5A/CD5AW**	036	0.98	0.93
FC4CNF	030	0.99	0.98	**CE3AA**	036	0.98	0.96
	036	1.00	1.01	**CK3BA**	036	0.98	0.92
FF1DNA	030	0.99	0.98	**CK5A/CK5BW**	036	0.98	0.92
FF1DNE	030	0.99	0.98	**COILS + 58MVP100-20 VARIABLE-SPEED FURNACE**			
FG3AAA	036	0.99	1.00	**CC5A/CD5AA**	036	0.98	0.93
FK4DNF	001	0.98	0.95	**CC5A/CD5AW**	036	0.98	0.93
	002	0.98	0.92	**CE3AA**	036	0.98	0.96
	003	0.97	0.92	**CK3BA**	036	0.98	0.91
COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE				**CK5A/CK5BA**	036	0.98	0.91
CC5A/CD5AA	036	0.98	0.96	**CK5A/CK5BT**	036	0.98	0.91
CE3AA	036	0.98	0.98	**CK5A/CK5BW**	036	0.98	0.91
CK3BA	036	0.98	0.93	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	036	0.98	0.93	**CC5A/CD5AW**	036	0.98	0.93
CK5A/CK5BT	036	0.98	0.93	**CE3AA**	036	0.98	0.96
	—	—	—	**CK5A/CK5BW**	036	0.98	0.91

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG036-30 Outdoor Section With F(A,B)4BN(F,B,C)042 Indoor Section																									
65	1050	15.0	13.8	2.27	18.4	16.9	2.36	22.1	20.2	2.46	26.2	23.2	2.58	30.7	27.9	2.73	35.8	35.8	2.92	41.2	41.2	3.09	45.6	45.6	3.26
	1200	15.3	14.0	2.30	18.7	17.2	2.38	22.4	20.5	2.47	26.5	23.5	2.59	31.1	28.3	2.73	36.2	36.2	2.91	40.8	40.8	3.03	43.0	43.0	3.09
	1350	15.5	14.3	2.34	18.9	17.4	2.42	22.7	20.7	2.50	26.8	23.8	2.61	31.4	28.6	2.75	36.5	36.5	2.88	40.2	40.2	2.99	39.8	39.8	2.96
70	1050	14.7	13.5	2.35	18.1	16.6	2.45	21.8	19.9	2.56	25.9	23.0	2.69	30.3	27.6	2.85	35.4	35.4	3.05	41.0	41.0	3.25	45.6	45.6	3.41
	1200	14.9	13.7	2.39	18.4	16.9	2.48	22.1	20.2	2.57	26.2	23.3	2.70	30.7	27.9	2.84	35.8	35.8	3.03	40.9	40.9	3.17	44.8	44.8	3.32
	1350	15.2	14.0	2.43	18.7	17.1	2.51	22.4	20.4	2.60	26.5	23.5	2.72	31.0	28.2	2.86	36.1	36.1	3.03	40.5	40.5	3.14	41.6	41.6	3.16
75	1050	14.3	13.2	2.44	17.8	16.3	2.55	21.5	19.6	2.67	25.6	22.7	2.81	30.0	27.3	2.97	34.9	34.9	3.18	40.6	40.6	3.42	45.6	45.6	3.58
	1200	14.6	13.4	2.48	18.1	16.6	2.58	21.8	19.9	2.68	25.9	23.0	2.81	30.4	27.6	2.97	35.4	35.4	3.16	40.8	40.8	3.32	45.1	45.1	3.48
	1350	14.8	13.7	2.52	18.4	16.9	2.61	22.1	20.2	2.71	26.2	23.3	2.83	30.7	27.9	2.97	35.7	35.7	3.16	40.6	40.6	3.28	43.6	43.6	3.39

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	1.00	1.01	**CK5A/CK5BA**	042	0.98	0.95
	042	1.00	1.01	**CK5A/CK5BE**	042	0.98	0.93
CC5A/CD5AW	036	0.99	0.99	**CK5A/CK5BT**	042	0.98	0.95
	042	1.00	1.02	**COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE**			
CE3AA	036	0.99	1.02	**CC5A/CD5AA**	042	0.98	0.97
	042	1.01	1.00	**CC5A/CD5AW**	042	0.98	0.98
CF5AA	036	1.00	1.02	**CE3AA**	042	0.98	0.95
CK3BA	036	1.00	0.99	**CK3BA**	042	0.98	0.95
	042	1.00	0.99	**CK5A/CK5BA**	042	0.98	0.95
CK5A/CK5BA	036	1.00	0.99	**CK5A/CK5BT**	042	0.98	0.95
	042	1.00	0.99	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CK5A/CK5BE	042	1.00	0.98	**CC5A/CD5AA**	042	0.98	0.97
CK5A/CK5BT	036	1.00	0.99	**CC5A/CD5AW**	042	0.98	0.98
	042	1.00	0.99	**CE3AA**	042	0.98	0.95
CK5A/CK5BW	036	1.00	0.99	**CK3BA**	042	0.98	0.95
F(A,B)4BN(F,B,C)	042	1.00	1.00	**CK5A/CK5BA**	042	0.98	0.95
F(A,B)4BN(F,C)	036	1.01	1.03	**CK5A/CK5BT**	042	0.98	0.95
FC4CN(F,B)	042	1.00	1.00	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FC4CNF	036	1.01	1.03	**CC5A/CD5AA**	042	0.98	0.96
FG3AAA	036	1.00	1.02	**CC5A/CD5AW**	042	0.98	0.98
FK4DNF	001	0.98	0.98	**CE3AA**	042	0.98	0.95
	002	0.98	0.94	**CK3BA**	042	0.98	0.94
	003	0.98	0.94	**CK5A/CK5BA**	042	0.98	0.94
	005	0.93	0.87	**CK5A/CK5BT**	042	0.98	0.94
COILS + 58CV(A,X)070-12 VARIABLE-SPEED FURNACE				**COILS + 58MVP060-14 VARIABLE-SPEED FURNACE**			
CE3AA	042	0.98	0.97	**CE3AA**	042	0.98	0.96
CK5A/CK5BE	042	0.98	0.95	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				**CC5A/CD5AA**	042	0.98	0.96
CC5A/CD5AA	042	0.98	0.97	**CC5A/CD5AW**	042	0.98	0.97
CE3AA	042	0.98	0.96	**CE3AA**	042	0.98	0.95
CK3BA	042	0.98	0.95	**CK5A/CK5BA**	042	0.98	0.95
	—	—	—	**CK5A/CK5BT**	042	0.98	0.95

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG036-30 Outdoor Section With F(A,B)4BN(F,B,C)042 Indoor Section continued																									
65	1050	15.0	13.8	2.27	18.4	16.9	2.36	22.1	20.2	2.46	26.2	23.2	2.58	30.7	27.9	2.73	35.8	35.8	2.92	41.2	41.2	3.09	45.6	45.6	3.26
	1200	15.3	14.0	2.30	18.7	17.2	2.38	22.4	20.5	2.47	26.5	23.5	2.59	31.1	28.3	2.73	36.2	36.2	2.91	40.8	40.8	3.03	43.0	43.0	3.09
	1350	15.5	14.3	2.34	18.9	17.4	2.42	22.7	20.7	2.50	26.8	23.8	2.61	31.4	28.6	2.75	36.5	36.5	2.88	40.2	40.2	2.99	39.8	39.8	2.96
70	1050	14.7	13.5	2.35	18.1	16.6	2.45	21.8	19.9	2.56	25.9	23.0	2.69	30.3	27.6	2.85	35.4	35.4	3.05	41.0	41.0	3.25	45.6	45.6	3.41
	1200	14.9	13.7	2.39	18.4	16.9	2.48	22.1	20.2	2.57	26.2	23.3	2.70	30.7	27.9	2.84	35.8	35.8	3.03	40.9	40.9	3.17	44.8	44.8	3.32
	1350	15.2	14.0	2.43	18.7	17.1	2.51	22.4	20.4	2.60	26.5	23.5	2.72	31.0	28.2	2.86	36.1	36.1	3.03	40.5	40.5	3.14	41.6	41.6	3.16
75	1050	14.3	13.2	2.44	17.8	16.3	2.55	21.5	19.6	2.67	25.6	22.7	2.81	30.0	27.3	2.97	34.9	34.9	3.18	40.6	40.6	3.42	45.6	45.6	3.58
	1200	14.6	13.4	2.48	18.1	16.6	2.58	21.8	19.9	2.68	25.9	23.0	2.81	30.4	27.6	2.97	35.4	35.4	3.16	40.8	40.8	3.32	45.1	45.1	3.48
	1350	14.8	13.7	2.52	18.4	16.9	2.61	22.1	20.2	2.71	26.2	23.3	2.83	30.7	27.9	2.97	35.7	35.7	3.16	40.6	40.6	3.28	43.6	43.6	3.39

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
COILS + 58MVP080-20 VARIABLE-SPEED FURNACE				**CE3AA**	042	0.98	0.95
CC5A/CD5AA	042	0.98	0.96	**CK3BA**	042	0.98	0.93
CC5A/CD5AW	042	0.98	0.97	**CK5A/CK5BA**	042	0.98	0.93
CE3AA	042	0.98	0.95	**CK5A/CK5BT**	042	0.98	0.93
CK3BA	042	0.98	0.95	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	042	0.98	0.95	**CC5A/CD5AA**	042	0.98	0.96
CK5A/CK5BT	042	0.98	0.95	**CC5A/CD5AW**	042	0.98	0.97
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				**CE3AA**	042	0.98	0.95
CC5A/CD5AA	042	0.98	0.96	**CK5A/CK5BA**	042	0.98	0.93
CC5A/CD5AW	042	0.98	0.97	**CK5A/CK5BT**	042	0.98	0.93

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG042-30 Outdoor Section With F(A,B)4BN(F,B,C)048 Indoor Section																									
65	1275	19.7	18.1	2.77	23.5	21.6	2.88	27.5	25.1	3.00	31.9	28.4	3.13	36.9	33.6	3.28	43.0	43.0	3.48	50.4	50.4	3.75	58.0	58.0	4.08
	1475	20.0	18.4	2.82	23.8	21.9	2.92	27.9	25.4	3.03	32.4	28.7	3.15	37.4	34.0	3.29	43.5	43.5	3.47	51.1	51.1	3.73	58.8	58.8	4.05
	1675	20.4	18.7	2.88	24.1	22.2	2.98	28.3	25.8	3.07	32.7	29.1	3.18	37.8	34.4	3.31	44.0	44.0	3.49	51.6	51.6	3.75	59.2	59.2	4.01
70	1275	19.2	17.7	2.87	23.2	21.3	3.00	27.2	24.8	3.13	31.6	28.1	3.27	36.5	33.2	3.42	42.4	42.4	3.63	49.7	49.7	3.91	57.3	57.3	4.25
	1475	19.6	18.1	2.92	23.5	21.6	3.04	27.6	25.2	3.16	32.0	28.4	3.28	37.0	33.7	3.43	43.0	43.0	3.62	50.4	50.4	3.89	58.1	58.1	4.21
	1675	20.0	18.4	2.98	23.9	21.9	3.10	28.0	25.5	3.20	32.4	28.8	3.32	37.4	34.0	3.45	43.5	43.5	3.64	51.0	51.0	3.89	58.7	58.7	4.22
75	1275	18.7	17.2	2.97	22.9	21.0	3.12	26.9	24.5	3.26	31.3	27.8	3.41	36.1	32.9	3.58	41.9	41.9	3.79	49.0	49.0	4.08	56.5	56.5	4.42
	1475	19.1	17.6	3.03	23.2	21.4	3.17	27.3	24.9	3.29	31.7	28.1	3.42	36.6	33.3	3.58	42.5	42.5	3.78	49.7	49.7	4.05	57.3	57.3	4.38
	1675	19.5	18.0	3.09	23.6	21.7	3.22	27.6	25.2	3.33	32.1	28.5	3.46	37.0	33.7	3.60	43.0	43.0	3.79	50.3	50.3	4.05	57.9	57.9	4.38

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	042	0.98	1.02	**CK5A/CK5BT**	048	0.98	0.96
CC5A/CD5AC	048	0.98	1.04	**COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE**			
CC5A/CD5AW	048	0.99	1.01	**CC5A/CD5AC**	048	0.98	1.03
CD5AA	048	0.99	1.01	**CC5A/CD5AW**	048	0.98	0.98
CE3AA	042	0.99	1.01	**CD5AA**	048	0.98	0.98
	048	0.99	1.00	**CE3AA**	048	0.98	0.97
CF5AA	048	0.98	1.01	**CK3BA**	048	0.98	0.95
CK3BA	042	0.98	1.00	**CK5A/CK5BA**	048	0.98	0.95
	048	0.99	1.00	**CK5A/CK5BT**	048	0.98	0.95
CK5A/CK5BA	042	0.98	1.00	**CK5A/CK5BW**	048	0.98	0.95
	048	0.99	0.99	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CK5A/CK5BE	042	0.95	0.96	**CC5A/CD5AC**	048	0.98	1.03
CK5A/CK5BT	042	0.98	1.00	**CC5A/CD5AW**	048	0.98	0.98
	048	0.99	0.99	**CD5AA**	048	0.98	0.98
CK5A/CK5BW	048	0.99	1.00	**CE3AA**	048	0.98	0.97
F(A,B)4BN(F,B,C)	042	0.99	0.99	**CK3BA**	048	0.98	0.95
	042	0.99	1.03	**CK5A/CK5BA**	048	0.98	0.95
	048	1.00	1.00	**CK5A/CK5BT**	048	0.98	0.95
FC4CN(F,B)	042	0.99	1.03	**CK5A/CK5BW**	048	0.98	0.95
	048	1.00	1.00	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FG3AAA	048	0.99	0.99	**CC5A/CD5AC**	048	0.98	1.03
FK4DNB	006	0.98	0.88	**CC5A/CD5AW**	048	0.98	0.98
FK4DNF	003	0.97	0.98	**CD5AA**	048	0.98	0.98
	005	0.98	0.91	**CE3AA**	048	0.98	0.97
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				**CK3BA**	048	0.98	0.95
CC5A/CD5AC	048	0.98	1.04	**CK5A/CK5BA**	048	0.98	0.95
CD5AA	048	0.98	0.98	**CK5A/CK5BT**	048	0.98	0.95
CE3AA	048	0.98	0.97	**CK5A/CK5BW**	048	0.98	0.95
CK3BA	048	0.98	0.96	**COILS + 58MVP080-14 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	048	0.98	0.96	**CD5AA**	048	0.98	0.98
	—	—	—	**CE3AA**	048	0.98	0.98

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG042-30 Outdoor Section With F(A,B)4BN(F,B,C)048 Indoor Section continued																								
65	1275	19.7	18.1	2.77	23.5	21.6	2.88	27.5	25.1	3.00	31.9	28.4	3.13	36.9	33.6	3.28	43.0	43.0	3.48	50.4	50.4	3.75	58.0	58.0	4.08
	1475	20.0	18.4	2.82	23.8	21.9	2.92	27.9	25.4	3.03	32.4	28.7	3.15	37.4	34.0	3.29	43.5	43.5	3.47	51.1	51.1	3.73	58.8	58.8	4.05
	1675	20.4	18.7	2.88	24.1	22.2	2.98	28.3	25.8	3.07	32.7	29.1	3.18	37.8	34.4	3.31	44.0	44.0	3.49	51.6	51.6	3.75	59.2	59.2	4.01
70	1275	19.2	17.7	2.87	23.2	21.3	3.00	27.2	24.8	3.13	31.6	28.1	3.27	36.5	33.2	3.42	42.4	42.4	3.63	49.7	49.7	3.91	57.3	57.3	4.25
	1475	19.6	18.1	2.92	23.5	21.6	3.04	27.6	25.2	3.16	32.0	28.4	3.28	37.0	33.7	3.43	43.0	43.0	3.62	50.4	50.4	3.89	58.1	58.1	4.21
	1675	20.0	18.4	2.98	23.9	21.9	3.10	28.0	25.5	3.20	32.4	28.8	3.32	37.4	34.0	3.45	43.5	43.5	3.64	51.0	51.0	3.89	58.7	58.7	4.22
75	1275	18.7	17.2	2.97	22.9	21.0	3.12	26.9	24.5	3.26	31.3	27.8	3.41	36.1	32.9	3.58	41.9	41.9	3.79	49.0	49.0	4.08	56.5	56.5	4.42
	1475	19.1	17.6	3.03	23.2	21.4	3.17	27.3	24.9	3.29	31.7	28.1	3.42	36.6	33.3	3.58	42.5	42.5	3.78	49.7	49.7	4.05	57.3	57.3	4.38
	1675	19.5	18.0	3.09	23.6	21.7	3.22	27.6	25.2	3.33	32.1	28.5	3.46	37.0	33.7	3.60	43.0	43.0	3.79	50.3	50.3	4.05	57.9	57.9	4.38

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CK5A/CK5BA	048	0.98	0.97	**CK3BA**	048	0.98	0.95
CK5A/CK5BT	048	0.98	0.97	**CK5A/CK5BA**	048	0.98	0.95
COILS + 58MVP080-20 VARIABLE-SPEED FURNACE				**CK5A/CK5BT**	048	0.98	0.95
CD5AA	048	0.98	0.98	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
CE3AA	048	0.98	0.97	**CC5A/CD5AW**	048	0.98	0.98
CK5A/CK5BA	048	0.98	0.98	**CE3AA**	048	0.98	0.97
CK5A/CK5BT	048	0.98	0.98	**CK3BA**	048	0.98	0.95
COILS + 58MVP100-20 VARIABLE-SPEED FURNACE				**CK5A/CK5BA**	048	0.98	0.95
CD5AA	048	0.98	0.98	**CK5A/CK5BT**	048	0.98	0.95
CE3AA	048	0.98	0.97	**CK5A/CK5BW**	048	0.98	0.95

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG048-30 Outdoor Section With FK4DNF005 Indoor Section																									
65	1400	22.2	20.4	2.99	26.7	24.6	3.13	31.4	28.6	3.25	36.3	32.2	3.38	42.1	38.3	3.54	48.5	48.5	3.73	56.1	56.1	3.97	64.6	64.6	4.29
	1600	22.5	20.7	3.00	27.0	24.8	3.13	31.7	28.9	3.23	36.6	32.5	3.35	42.5	38.6	3.48	49.1	49.1	3.66	56.7	56.7	3.88	65.4	65.4	4.18
	1800	22.7	20.9	3.02	27.2	25.0	3.13	32.0	29.1	3.23	36.9	32.8	3.33	42.8	39.0	3.46	49.5	49.5	3.62	57.2	57.2	3.83	66.0	66.0	4.12
70	1400	21.7	19.9	3.13	26.4	24.3	3.28	31.1	28.4	3.42	35.9	31.9	3.56	41.6	37.9	3.73	48.0	48.0	3.93	55.4	55.4	4.19	63.7	63.7	4.51
	1600	22.0	20.2	3.14	26.7	24.5	3.28	31.4	28.6	3.40	36.3	32.2	3.53	42.0	38.2	3.67	48.5	48.5	3.85	56.0	56.0	4.09	64.5	64.5	4.40
	1800	22.3	20.5	3.16	27.0	24.8	3.29	31.7	28.9	3.40	36.6	32.5	3.51	42.4	38.6	3.65	48.9	48.9	3.81	56.5	56.5	4.03	65.1	65.1	4.33
75	1400	21.1	19.4	3.26	26.0	23.9	3.43	30.8	28.1	3.60	35.6	31.6	3.75	41.2	37.5	3.93	47.5	47.5	4.14	54.7	54.7	4.41	62.9	62.9	4.75
	1600	21.4	19.7	3.28	26.3	24.2	3.43	31.1	28.4	3.58	35.9	31.9	3.71	41.6	37.8	3.87	48.0	48.0	4.06	55.3	55.3	4.31	63.7	63.7	4.62
	1800	21.7	20.0	3.30	26.6	24.4	3.44	31.4	28.6	3.57	36.2	32.1	3.69	41.9	38.1	3.84	48.4	48.4	4.01	55.8	55.8	4.24	64.3	64.3	4.55

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	1.00	1.10	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CC5A/CD5AC	048	1.00	1.15	**CC5A/CD5AA**	060	1.00	1.10
CC5A/CD5AW	048	1.00	1.09	**CC5A/CD5AW**	060	1.00	1.04
	060	1.00	1.05	**CE3AA**	060	1.00	1.04
CD5AA	048	1.00	1.09	**CK3BA**	060	1.00	1.00
CE3AA	048	1.00	1.07	**CK5A/CK5BA**	060	1.00	1.00
	060	1.00	1.04	**CK5A/CK5BT**	060	1.00	1.00
CF5AA	048	1.00	1.11	**CK5A/CK5BX**	060	1.00	0.99
CK3BA	048	1.00	1.07	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
	060	1.00	1.02	**CC5A/CD5AA**	060	1.00	1.10
CK5A/CK5BA	048	1.00	1.07	**CC5A/CD5AW**	060	1.00	1.03
	060	1.00	1.02	**CE3AA**	060	1.00	1.03
CK5A/CK5BT	048	1.00	1.07	**CK3BA**	060	1.00	0.99
	060	1.00	1.02	**CK5A/CK5BA**	060	1.00	0.99
CK5A/CK5BW	048	1.00	1.07	**CK5A/CK5BT**	060	1.00	0.99
CK5A/CK5BX	060	1.00	1.01	**CK5A/CK5BX**	060	1.00	0.99
F(A,B)4BN(F,B,C)	048	1.00	1.05	**COILS + 58MVP080-20 VARIABLE-SPEED FURNACE**			
	060	1.00	1.03	**CC5A/CD5AA**	060	1.00	1.00
FB4BNB	070	1.00	0.99	**CC5A/CD5AW**	060	1.00	1.10
FC4CN(F,B)	048	1.00	1.05	**CE3AA**	060	1.00	0.99
	060	1.00	1.03	**COILS + 58MVP100-20 VARIABLE-SPEED FURNACE**			
FC4CNB	054	1.00	0.98	**CC5A/CD5AA**	060	1.00	1.03
	070	1.00	0.99	**CC5A/CD5AW**	060	1.00	1.10
FG3AAA	048	1.00	1.07	**CE3AA**	060	1.00	1.04
	060	1.00	1.06	**CK3BA**	060	1.00	0.97
FK4DNB	006	1.00	0.96	**CK5A/CK5BA**	060	1.00	1.03
FK4DNF	005	1.00	1.00	**CK5A/CK5BT**	060	1.00	0.97
COILS + 58CV(A,X)090-16 VARIABLE-SPEED FURNACE				**CK5A/CK5BX**	060	1.00	0.97
CE3AA	060	1.00	1.05	**COILS + 58MVP120-20 VARIABLE-SPEED FURNACE**			
COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE				**CC5A/CD5AA**	060	1.00	1.03
CC5A/CD5AA	060	1.00	1.10	**CC5A/CD5AW**	060	1.00	1.10
CE3AA	060	1.00	1.03	**CE3AA**	060	1.00	1.04
CK3BA	060	1.00	1.00	**CK3BA**	060	1.00	1.00
CK5A/CK5BA	060	1.00	1.00	**CK5A/CK5BA**	060	1.00	1.00
CK5A/CK5BT	060	1.00	1.00	**CK5A/CK5BT**	060	1.00	1.00
CK5A/CK5BX	060	1.00	0.99	**CK5A/CK5BX**	060	1.00	1.00

See notes on pg. 33.

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	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power	Capacity MBtuh		Total Power
EDB	CFM	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†	Total	Integ*	kW†
38BYG060-30 Outdoor Section With FK4DNB006 Indoor Section																									
65	1750	28.2	26.0	4.20	33.5	30.8	4.37	39.1	35.7	4.55	45.3	40.2	4.75	52.5	47.8	5.00	60.7	60.7	5.30	70.1	70.1	5.69	79.6	79.6	6.03
	2000	28.6	26.3	4.22	33.8	31.1	4.38	39.5	36.0	4.54	45.7	40.6	4.72	53.0	48.3	4.95	61.3	61.3	5.23	70.7	70.7	5.56	79.4	79.4	5.87
	2250	28.9	26.6	4.26	34.1	31.3	4.40	39.9	36.3	4.55	46.1	41.0	4.72	53.5	48.7	4.93	61.8	61.8	5.20	70.8	70.8	5.48	78.5	78.5	5.75
70	1750	27.8	25.5	4.38	33.2	30.5	4.59	38.8	35.4	4.78	44.9	39.8	4.99	52.0	47.3	5.25	60.0	60.0	5.57	69.3	69.3	5.97	79.7	79.7	6.41
	2000	28.1	25.9	4.41	33.5	30.8	4.59	39.2	35.7	4.77	45.3	40.2	4.96	52.5	47.8	5.20	60.6	60.6	5.49	70.1	70.1	5.87	79.2	79.2	6.18
	2250	28.5	26.2	4.45	33.8	31.1	4.61	39.5	36.0	4.78	45.7	40.6	4.95	52.9	48.2	5.18	61.1	61.1	5.45	70.4	70.4	5.77	78.5	78.5	6.05
75	1750	27.2	25.0	4.57	32.9	30.2	4.80	38.5	35.1	5.02	44.4	39.5	5.24	51.4	46.8	5.52	59.3	59.3	5.84	68.5	68.5	6.26	79.0	79.0	6.80
	2000	27.6	25.4	4.59	33.2	30.5	4.81	38.8	35.4	5.00	44.9	39.8	5.21	52.0	47.3	5.45	60.0	60.0	5.76	69.3	69.3	6.15	79.4	79.4	6.55
	2250	28.0	25.7	4.63	33.5	30.8	4.83	39.2	35.7	5.01	45.2	40.2	5.20	52.4	47.7	5.43	60.4	60.4	5.71	69.9	69.9	6.09	78.8	78.8	6.39

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Heating		Indoor Section	Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	1.00	1.16	**CK5A/CK5BA**	060	1.00	1.04
CC5A/CD5AW	060	1.00	1.10	**CK5A/CK5BT**	060	1.00	1.04
CE3AA	060	1.00	1.09	**CK5A/CK5BX**	060	1.00	1.03
CK3BA	060	1.00	1.11	**COILS + 58CV(A,X)135-22 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	060	1.00	1.11	**CC5A/CD5AA**	060	1.00	1.15
CK5A/CK5BT	060	1.00	1.11	**CC5A/CD5AW**	060	1.00	1.08
CK5A/CK5BX	060	1.00	1.07	**CE3AA**	060	1.00	1.08
F(A,B)4BN(F,B,C)	060	1.00	1.06	**CK3BA**	060	1.00	1.04
	060	1.00	1.08	**CK5A/CK5BA**	060	1.00	1.04
FB4BNB	070	1.00	1.03	**CK5A/CK5BT**	060	1.00	1.04
FC4CN(F,B)	060	1.00	1.08	**CK5A/CK5BX**	060	1.00	1.03
FC4CNB	070	1.00	1.03	**COILS + 58CV(A,X)155-22 VARIABLE-SPEED FURNACE**			
FG3AAA	060	1.00	1.12	**CC5A/CD5AA**	060	1.00	1.14
FK4DNB	006	1.00	1.00	**CC5A/CD5AW**	060	1.00	1.08
COILS + 58CV(A,X)110-22 VARIABLE-SPEED FURNACE				**CE3AA**	060	1.00	1.07
CC5A/CD5AA	060	1.00	1.15	**CK3BA**	060	1.00	1.04
CE3AA	060	1.00	1.08	**CK5A/CK5BA**	060	1.00	1.04
CK3BA	060	1.00	1.04	**CK5A/CK5BT**	060	1.00	1.04
				CK5A/CK5BX	060	1.00	1.03

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 Application Guideline and Service Manual—Air Conditioners and Heat Pumps Using R-22 Refrigerant.
9. For buried refrigerant tubing lengths greater than 36 in., consult 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
38BYG
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 a 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.