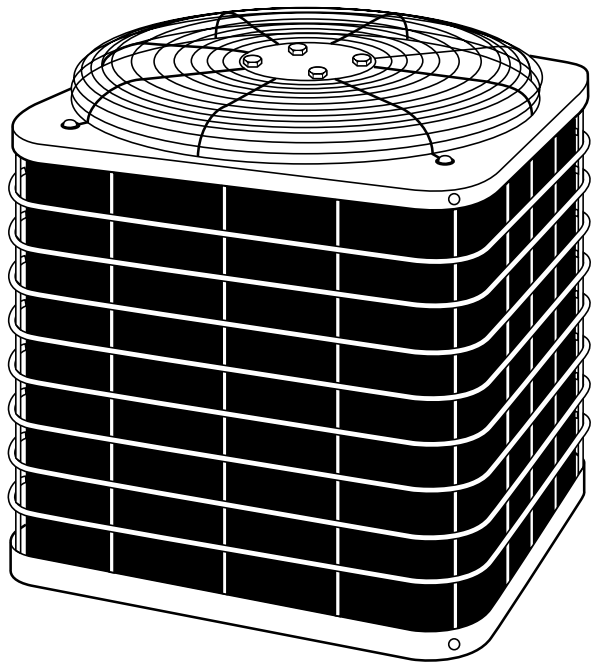
bryant
Heating & Cooling Systems

10 SEER HEAT PUMP UNIT

661C

Sizes 018 thru 060



The 661C Outdoor Section of Split-System Heat Pumps is designed for quiet, reliable heating during the winter and cooling during the summer. With a SEER up to 11.5 and HSPF from 6.8 to 7.5, this heat pump system provides economy of operation through energy conservation when used with components designated by manufacturer. 661C recovers heat for indoor comfort from outdoor air during the heating season and, by automatically reversing the refrigerant system, removes indoor heat and excess humidity during the cooling season. All models are listed with UL (U.S. and Canada), CEC, and ARI.

FEATURES

ELECTRICAL RANGE—All units are offered in single phase 208-230v. The 661C030 through 060 models are offered in 208/230v 3 phase and the 661C036 through 060 models are offered in 460v 3 phase.

WIDE RANGE OF SIZES—The 661C is available in 7 nominal sizes from 018 through 060 to meet the needs of residential and light commercial applications.

COMPRESSOR—Designed specifically for heat pump duty, with energy efficiency during heating and cooling operation. Each compressor is hermetically sealed against contamination to assure long life and dependable performance, internally sprung (units with reciprocating compressor) and externally mounted on rubber isolators for quiet operation. For improved serviceability, all models are equipped with a compressor terminal plug. Continuous compressor operation is approved down to –30°F (–34.4°C) in the heating mode, and down to 55°F (12.8°C) in the cooling mode. (See Heating and Cooling Performance tables.)

RELIABLE BUILT-IN COMPONENTS—Includes a suction-tube accumulator that reduces the amount of liquid refrigerant that reaches the compressor; a low-pressure switch to stop the compressor if refrigerant charge is lost; a crankcase heater on all 3-phase units (except 030 size) to keep compressor oil warm and free of refrigerant for maximum lubricity; an internal compressor relief valve for high-pressure protection.

3-PHASE (SCROLL COMPRESSOR UNITS) MONITOR BOARD—Control board that monitors the electrical phase and prevents compressor operation if wired incorrectly.

DISCHARGE MUFFLER—Minimizes low frequency sound and pressure pulsation generated by compressor discharge gas.

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

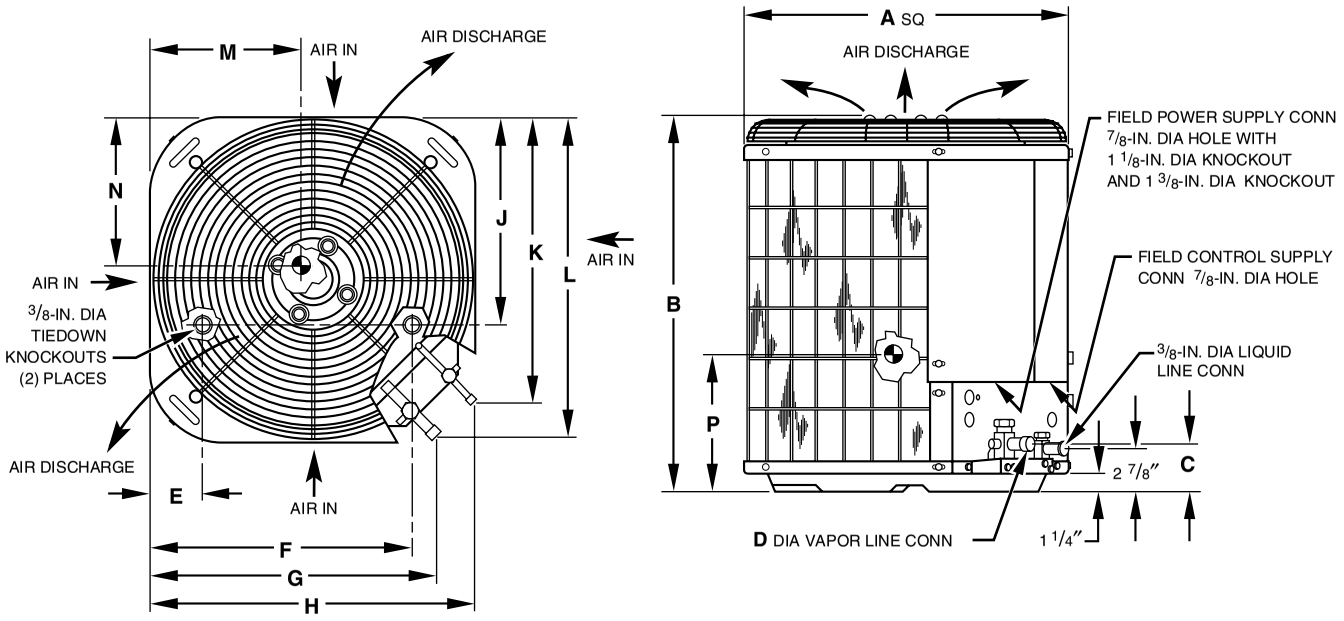
WEATHER-PROTECTIVE CABINET—The steel casing is protected with a galvanized coating and treated with a layer of zinc phosphate. A modified polyester powder coating is then applied and baked on, providing each unit with a hard, smooth finish that will last for many years.

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

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. Coils can be cleaned with a common garden hose.

EXTERNAL SERVICE VALVES—Both service valves are brass, front seating type. The 661C has sweat field connections. Valves are externally located so refrigerant tube connections can be made quickly and easily. Each valve has a service port for ease of checking operating refrigerant pressures.

LIMITED WARRANTY—Standard 5-year limited warranty on all parts and 5-year limited warranty on compressor parts.



NOTES:

1. Allow 30 in. clearance to service side of unit, 48 in. above unit, 6 in. on one side, 12 in. on remaining side, and 24 in. between units for proper airflow.
2. Minimum outdoor operating ambient in cooling mode is 55°F, max. 125°F.
3. Maximum outdoor operating ambient in heating mode is 66°F.
4. Series designation is the 14th position of the unit model number.
5. Center of gravity ◔.

A97071

DIMENSIONS (IN.)

UNIT SIZE	SERIES	PHASE	UNIT DIMENSIONS														MINIMUM MOUNTING PAD DIMENSIONS
			A	B	C	D	E	F	G	H	J	K	L	M	N	P	
018	E, F	1	22-1/2	25-15/16	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	11	5	12	22-1/2 X 22-1/2
024	E, F	1	22-1/2	25-15/16	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	5	13	22-1/2 X 22-1/2
030	E, F	1	22-1/2	33-15/16	3-3/16	3/4	3-11/16	18-1/8	19-3/4	21-5/8	14-3/8	18-7/8	22-1/16	12-1/2	12	14	22-1/2 X 22-1/2
030	C	3	22-1/2	33-15/16	3-3/16	3/4	3-11/16	18-1/8	19-3/4	21-5/8	14-3/8	18-7/8	22-1/16	12-1/2	12	14	22-1/2 X 22-1/2
036	D, E, F, G	1 & 3	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	16-3/4	15	12	30 X 30
042	E	1	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	15-3/4	13-1/2	30 X 30
042	F, G	1	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	15-3/4	13-1/2	30 X 30
042	H, J	3	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	15-3/4	13-1/2	30 X 30
048	C, E	1	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	15	15-3/4	15-1/2	30 X 30
048	G, H	3	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	15	15-3/4	15-1/2	30 X 30
060	C, E	1	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	13-3/4	15-5/8	15	30 X 30
060	H	3	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	13-3/4	15-5/8	15	30 X 30

RECOMMENDED TUBE DIAMETERS

UNIT SIZE	LIQUID TUBE DIAMETER (IN.)		VAPOR TUBE DIAMETER (IN.)	
	0 to 50 Ft Tube Length	Long-Line Applications*	0 to 50 Ft Tube Length	Long-Line Applications* (Maximum Diameter)
018	3/8	3/8	5/8	5/8
024			5/8	3/4
030, 036			3/4	7/8
042, 048			7/8	1-1/8
060			1-1/8	1-1/8

* For tube sets between 50 and 175 ft and/or 20 ft vertical differential, consult the Residential Split-System Long-Line Application Guideline.

METERING DEVICE

UNIT SIZE	SERIES	OUTDOOR PISTON	INDOOR PISTON*
018	E/F	40/42	52/55
024	E, F	49	63
030	E, F	55	70
036	D	61	76
036	E, F, G	57	70
042	E, G, H, K	63	78
048	C, G/E, H	73/70	88/86
060	C, E, G, H	76	96

*Piston listed is for any approved coil combination.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE)

UNIT SIZE	SERIES	REQUIRED SUBCOOLING
018	E/F	14/12
024	E/F	10/12
030	E/F	8/12
036	D	12
036	E, F, G	14
042	E, H, K, G	16
048	C, G/E, H	10/15
060	C, E, G, H	10

MODEL NUMBER NOMENCLATURE

661C J X 018 000 A A AA

Model No.
10 SEER Split System
Heat Pump

Electrical Supply
E — 460 (or 480)-3-60
J — 208-230-1-60
P — 208-230-3-60

Nominal Cooling Capacity
018 – 1.5 ton **042** – 3.5 ton
024 – 2 ton **048** – 4 ton
030 – 2.5 ton **060** – 5 ton
036 – 3 ton

N/A

Standard Unit

Series
A — Original Series
B — Second Series

Common Unit
U.S.A. Only

Heating Size

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

CERTIFICATE NO. FM 28768

REGISTERED QUALITY SYSTEM

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

SPECIFICATIONS

UNIT SIZE-SERIES	661C018-E, F	661C024-E, F	661C030-E, F	661C030-C
Operating Weight (Lb)	127	143	153/157	153
ELECTRICAL				
Unit Volts—Hertz—Phase	208-230—60—1			208-230—60—3
Operating Voltage Range*	197—253			187—253
Compressor— Rated Load Amps	9.0/9.8	11.3/11.4	13.8/13.7	9.0
Locked Rotor Amps	48.0/49.0	61.0	73.0/75.0	68.0
Condenser Fan Motor—Full Load Amps	0.5		1.4	
Min Unit Ampacity for Wire Sizing	11.8/12.8	14.6/14.8	18.7/18.5	12.7
Min Wire Size (60°C Copper) (AWG)†	14	14	14	14
Min Wire Size (75°C Copper) (AWG)†	14	14	14	14
Max Wire Length (60°C) (Ft)‡	66/61	53	41	70
Max Wire Length (75°C) (Ft)‡	62/58	50	39	65
Max Branch Circuit Fuse Size**	20	20	30	15
COMPRESSOR AND REFRIGERANT				
Compressor—Type	Reciprocating			
Refrigerant Charge (Lb) @ 15 ft	4.25/4.69	4.63/4.75	5.19/5.63	5.63
OUTDOOR COIL & FAN				
Coil Face Area (Sq Ft)	9.11	9.11	12.42	12.42
Fins per In.—Rows—Circuits	20—1—2	25—1—3	20—1—3	
Fan Motor HP and RPM	1/12 and 1100	1/12 and 1100	1/4 and 1125	
Rated Airflow (CFM)	1700		2500	
OPTIONAL EQUIPMENT				
Time-Delay Relay	KAATD0101TDR			
Outdoor Thermostat	KHAOT0301FST			
Secondary Outdoor Thermostat	KHAOT0201SEC			
Cycle Protector	KSACY0101AAA			
Crankcase Heater	KAACH1001AAA			
Compressor Start Assist—Capacitor/Relay Type	KSAHS2001AAA/ KSAHS1001AAA	KSAHS2101AAA/ KSAHS1001AAA	KSAHS0901AAA/ KSAHS1001AAA	N/A
Compressor Start Assist—PTC Type	KSACS0201PTC			N/A
Sound Hood	KSASH2001BRL/KSASH1101COP		KSASH2001BRL/ KSASH1201COP	KSASH1201COP
Bi-Flow TXV Kits (Hard Shutoff)††	KSATX0601HSO			
Bi-Flow TXV Kits (RPB)	KHATX0201RPB		KHATX0401RPB	
High-Pressure Switch	KHAHI0101HPS			
Bi-Flow Filter Drier (Liquid Line)	P504-8083S (RCD)			
Evaporator Freeze Thermostat	KAAFT0101AAA			
Isolation Relay‡‡	KHAIR0101AAA			
Liquid-Line Solenoid Valve (LSV)††	KHALS0401LLS			
Low-Ambient Pressure Switch	KSALA0201R22			
MotorMaster®—Low-Ambient Controller***	KSALA0401AAA			
Ball Bearing Fan Motor	HC34GE232 (RCD)		HC40GE232 (RCD)	
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B			
Thermostat—Auto Changeover, Non-Programmable, °F/°C, Dual Fuel††† Must be used with Outdoor Sensor (TSTATXXSEN01-B)	TSTATBBPDF01-B			
Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBPHP01-B			
Thermostat—Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBNHP01-B			
Builder's Thermostat—Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool	TSTATBBBHP01			
Outdoor Air Temperature Sensor	TSTATXXSEN01-B			
Backplate for Non-Programmable Thermostat	TSTATXXNBP01			
Backplate for Programmable Thermostat	TSTATXXPBP01			
Backplate for Builder's Thermostat	TSTATXXBBP01			
Thermostat Conversion Kit (4 to 5 wire)—10 Pack	TSTATXXCNV10			

See notes on page 9.

SPECIFICATIONS Continued

UNIT SIZE-SERIES	661C036-D/E	661C036-F/G	
Operating Weight (Lb)	176/185	176/185	
ELECTRICAL			
Unit Volts—Hertz—Phase	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range*	197—253	197—253	414—506
Compressor— Rated Load Amps	18.0/17.2	11.3/11.4	5.7/6.2
Locked Rotor Amps	105.0/86.0	78.0/90.0	40.0/45.0
Condenser Fan Motor—Full Load Amps	1.4		0.8
Min Unit Ampacity for Wire Sizing	23.9/22.9	15.5/15.7	7.9/8.6
Min Wire Size (60°C Copper) (AWG)†	12	14	14
Min Wire Size (75°C Copper) (AWG)†	12	14	14
Maximum Length (60°C) (Ft)‡	50/55	57/50	227/202
Maximum Length (75°C) (Ft)‡	50/52	54/50	216/192
Max Branch Circuit Fuse Size**	35	20	15
COMPRESSOR AND REFRIGERANT			
Compressor—Type	Scroll/Reciprocating	Reciprocating/Scroll	
Refrigerant Charge (Lb) @ 15 ft	6.38	6.38	
OUTDOOR COIL & FAN			
Coil Face Area (Sq Ft)	14.8		
Fins per In.—Rows—Circuits	20—1—3		
Fan Motor HP and RPM	1/4 and 1100	1/4 and 1100	
Rated Airflow (CFM)	3000		
OPTIONAL EQUIPMENT			
Time-Delay Relay	KAATD0101TDR		
Outdoor Thermostat	KHAOT0301FST		
Secondary Outdoor Thermostat	KHAOT0201SEC		
Cycle Protector	KSACY0101AAA		
Crankcase Heater	KAACH1201AAA/Standard	Standard	
Compressor Start Assist—Capacitor/Relay Type	KSAHS1501AAA/KSAHS1101AAA	N/A	
Compressor Start Assist—PTC Type	KSACS0201PTC	N/A	
Sound Hood	KSASH1901CYL/KSASH2001BRL	KSASH2001BRL/KSASH1901CYL	
Bi-Flow TXV Kits (Hard Shutoff)††	KSATX0601HSO		
Bi-Flow TXV Kits (RPB)	KHATX0501RPB		
High-Pressure Switch	KHAHI0101HPS		
Bi-Flow Filter Drier (Liquid Line)	P504-8083S (RCD)		
Evaporator Freeze Thermostat	KAAFT0101AAA		
Isolation Relay‡‡	KHAIR0101AAA		
Liquid-Line Solenoid Valve (LSV)††	KHALS0401LLS		
Low-Ambient Pressure Switch	KSALA0201R22		
MotorMaster®—Low-Ambient Controller***	KSALA0401AAA		KSALA0501AAA
Ball Bearing Fan Motor	HC40GE232 (RCD)		HC40GE462 (RCD)
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, Dual Fuel ††† Must be used with Outdoor Sensor (TSTATXXSEN01-B)	TSTATBBPDF01-B		
Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBPHP01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBNHP01-B		
Builder's Thermostat—Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool	TSTATBBBHP01		
Outdoor Air Temperature Sensor	TSTATXXSEN01-B		
Backplate for Non-Programmable Thermostat	TSTATXXNBP01		
Backplate for Programmable Thermostat	TSTATXXPBP01		
Backplate for Builder's Thermostat	TSTATXXBBP01		
Thermostat Conversion Kit (4 to 5 wire)—10 Pack	TSTATXXCNV10		

See notes on page 9.

SPECIFICATIONS Continued

UNIT SIZE-SERIES	661C042-E/G	661C042-H/K	
Operating Weight (Lb)	195/197	195/197	
ELECTRICAL			
Unit Volts—Hertz—Phase	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range*	197—253	197—253	414—506
Compressor— Rated Load Amps	24.4/22.9	17.4/16.4	8.01/8.4
Locked Rotor Amps	115.0/127.0	90.0/88.0	45.0/44.0
Condenser Fan Motor—Full Load Amps	1.4		0.8
Min Unit Ampacity for Wire Sizing	31.9/30.0	23.2/21.9	10.8/11.3
Min Wire Size (60°C Copper) (AWG)†	8/10	12	14
Min Wire Size (75°C Copper) (AWG)†	10	12	14
Maximum Length (60°C) (Ft)‡	97/67	60/66	165/152
Maximum Length (75°C) (Ft)‡	59/63	57/63	157/144
Max Branch Circuit Fuse Size**	50	35/30	15
COMPRESSOR AND REFRIGERANT			
Compressor—Type	Scroll		
Refrigerant Charge (Lb) @ 15 ft	7.88		
OUTDOOR COIL & FAN			
Coil Face Area (Sq Ft)	18.5		
Fins per In.—Rows—Circuits	20—1—4		
Fan Motor HP and RPM	1/4 and 1100		
Rated Airflow (CFM)	3000		
OPTIONAL EQUIPMENT			
Time-Delay Relay	KAATD0101TDR		
Outdoor Thermostat	KHAOT0301FST		
Secondary Outdoor Thermostat	KHAOT0201SEC		
Cycle Protector	KSACY0101AAA		
Crankcase Heater	KAACH1201AAA	Standard	
Compressor Start Assist—Capacitor/Relay Type	KSAHS1501AAA	N/A	
Compressor Start Assist—PTC Type	KAACS0201PTC	N/A	
Sound Hood	KSASH1901CYL/KSASH0601COP	KSASH1901CYL/KSASH0601COP	
Bi-Flow TXV Kits (Hard Shutoff)††	KSATX0601HSO		
Bi-Flow TXV Kits (RPB)	KHATX0501RPB		
High-Pressure Switch	KHAHI0101HPS		
Bi-Flow Filter Drier (Liquid Line)	P504-8163S (RCD)		
Evaporator Freeze Thermostat	KAAFT0101AAA		
Isolation Relay‡‡	KHAIR0101AAA		
Liquid-Line Solenoid Valve (LSV)††	KHALS0401LLS		
Low-Ambient Pressure Switch	KSALA0201R22		
MotorMaster®—Low-Ambient Controller***	KSALA0401AAA		KSALA0501AAA
Ball Bearing Fan Motor	HC40GE232 (RCD)		HC40GE462 (RCD)
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, Dual Fuel††† Must be used with Outdoor Sensor (TSTATXXSEN01-B)	TSTATBBPDF01-B		
Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBPHP01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBNHP01-B		
Builder's Thermostat—Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool	TSTATBBBHP01		
Outdoor Air Temperature Sensor	TSTATXXSEN01-B		
Backplate for Non-Programmable Thermostat	TSTATXXNBP01		
Backplate for Programmable Thermostat	TSTATXXPBP01		
Backplate for Builder's Thermostat	TSTATXXBBP01		
Thermostat Conversion Kit (4 to 5 wire)—10 Pack	TSTATXXCNV10		

See notes on page 9.

SPECIFICATIONS Continued

UNIT SIZE-SERIES	661C048-C/E	661C048-G/H	
Operating Weight (Lb)	219/217	219/217	
ELECTRICAL			
Unit Volts—Hertz—Phase	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range*	197—253	187—253	414—506
Compressor— Rated Load Amps	24.4/22.0	14.1/12.9	7.1/6.4
Locked Rotor Amps	140.0/131.0	105.0/91.0	52.5/46.0
Condenser Fan Motor—Full Load Amps	1.4		0.8
Min Unit Ampacity for Wire Sizing	31.9/29.0	19.0/17.5	9.7/8.8
Min Wire Size (60°C Copper) (AWG)†	8	14	14
Min Wire Size (75°C Copper) (AWG)†	8/10	14	14
Maximum Length (60°C) (Ft)‡	90/107	40/51	182/202
Maximum Length (75°C) (Ft)‡	90/66	40/48	173/192
Max Branch Circuit Fuse Size**	50	25	15
COMPRESSOR AND REFRIGERANT			
Compressor—Type	Scroll		
Refrigerant Charge (Lb) 15 ft	9.25/9.38	9.25/9.38	
OUTDOOR COIL & FAN			
Coil Face Area (Sq Ft)	22.40	22.40	
Fins Per In.—Rows—Circuits	20—1—4		
Fan Motor HP and RPM	1/4 and 1125		
Rated Airflow (CFM)	3300		
OPTIONAL EQUIPMENT			
Time-Delay Relay	KAATD0101TDR		
Outdoor Thermostat	KHAOT0301FST		
Secondary Outdoor Thermostat	KHAOT0201SEC		
Cycle Protector	KSACY0101AAA		
Crankcase Heater	KAACH1201AAA	Standard	
Compressor Start Assist—Capacitor/Relay Type	KSAHS1601AAA	N/A	
Compressor Start Assist—PTC Type	KSACS0201PTC	N/A	
Sound Hood	KSASH2001CY	KSASH2001CYL	
Bi-Flow TXV Kits (Hard Shutoff)††	KSATX0701HSO		
Bi-Flow TXV Kits (RPB)	KHATX0601RPB		
High-Pressure Switch	KHAHI0101HPS		
Bi-Flow Filter Drier (Liquid Line)	P504-8163S (RCD)		
Evaporator Freeze Thermostat	KAAFT0101AAA		
Isolation Relay‡‡	KHAIR0101AAA		
Liquid-Line Solenoid Valve (LSV)††	KHALS0401LLS		
Low-Ambient Pressure Switch	KSALA0201R22		
MotorMaster®—Low-Ambient Controller***	KSALA0401AAA		KSALA0501AAA
Ball Bearing Fan Motor	HC40GE232 (RCD)		HC40GE462 (RCD)
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, Dual Fuel††† Must be used with Outdoor Sensor (TSTATXXSEN01-B)	TSTATBBPDF01-B		
Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBPHP01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBNHP01-B		
Builder's Thermostat—Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool	TSTATBBBHP01		
Outdoor Air Temperature Sensor	TSTATXXSEN01-B		
Backplate for Non-Programmable Thermostat	TSTATXXNBP01		
Backplate for Programmable Thermostat	TSTATXXPBP01		
Backplate for Builder's Thermostat	TSTATXXBBP01		

See notes on page 9.

SPECIFICATIONS Continued

UNIT SIZE-SERIES	661C060-C/E	661C060-G/H	
Operating Weight (Lb)	237	237	
ELECTRICAL			
Unit Volts—Hertz—Phase	208-230—60—1	208/230—60—3	460—60—3
Operating Voltage Range*	197—253	187—253	414—506
Compressor— Rated Load Amps	30.8	17.0/20.7	8.5/9.6
Locked Rotor Amps	165.0/148.0	125.0/137.0	66.5/62.0
Condenser Fan Motor—Full Load Amps	1.4		0.8
Min Unit Ampacity for Wire Sizing	39.9	22.9/27.3	11.4/12.8
Min Wire Size (60°C Copper) (AWG)†	8	12/10	14
Min Wire Size (75°C Copper) (AWG)†	8	12/10	14
Maximum Length (60°C) (Ft)‡	75	55/82	140/152
Maximum Length (75°C) (Ft)‡	70	55/78	133/144
Max Branch Circuit Fuse Size (Amps)**	60	35	15/20
COMPRESSOR AND REFRIGERANT			
Compressor—Type	Scroll		
Refrigerant Charge (Lb) 15 ft	10.50/10.25	10.25/10.50	
OUTDOOR COIL & FAN			
Coil Face Area (Sq Ft)	22.40		
Fins per In.—Rows—Circuits	25—1—5		
Fan Motor HP and RPM	1/4 and 1125		
Rated Airflow (CFM)	3300		
OPTIONAL EQUIPMENT			
Time-Delay Relay	KAATD0101TDR		
Outdoor Thermostat	KHAOT0301FST		
Secondary Outdoor Thermostat	KHAOT0201SEC		
Cycle Protector	KSACY0101AAA		
Crankcase Heater	Standard		
Compressor Start Assist—Capacitor/Relay Type	KSAHS1601AAA	N/A	
Compressor Start Assist—PTC Type	KAACS0201PTC	N/A	
Sound Hood	KSASH2001CYL/KSASH2101COP	KSASH2001CYL/KSASH2101COP	
Bi-Flow TXV Kits (Hard Shutoff)††	KSATX1001HSO		
Bi-Flow TXV Kits (RPB)	KHATX0701RPB		
High-Pressure Switch	KHAHI0101HPS		
Bi-Flow Filter Drier (Liquid Line)	P504-8163S (RCD)		
Evaporator Freeze Thermostat	KAAFT0101AAA		
Isolation Relay‡‡	KHAIR0101AAA		
Liquid-Line Solenoid Valve (LSV)††	KHALS0401LLS		
Low-Ambient Pressure Switch	KSALA0201R22		
MotorMaster®—Low-Ambient Controller***	KSALA0401AAA		KSALA0501AAA
Ball Bearing Fan Motor	HC40GE232 (RCD)		HC40GE462 (RCD)
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, Dual Fuel††† Must be used with Outdoor Sensor (TSTATXXSEN01-B)	TSTATBBPDF01-B		
Thermostat—Auto Changeover, 7-Day Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBPHP01-B		
Thermostat—Auto Changeover, Non-Programmable, °F/°C, 2-Stage Heat, 1-Stage Cool	TSTATBBNHP01-B		
Builder's Thermostat—Manual Changeover, Non-Programmable, °F, 2-Stage Heat, 1-Stage Cool	TSTATBBBHP01		
Outdoor Air Temperature Sensor	TSTATXXSEN01-B		
Backplate for Non-Programmable Thermostat	TSTATXXNBP01		
Backplate for Programmable Thermostat	TSTATXXPBP01		
Backplate for Builder's Thermostat	TSTATXXBBP01		
Thermostat Conversion Kit (4 to 5 wire)—10 Pack	TSTATXXCNV10		

See notes on page 9.

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

† 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).
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.

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

** Units may use fuses or circuit breakers (U.S. only).

†† Addition of the accessories requires capacitor and relay compressor start assist on units with single-phase reciprocating compressors.

‡‡ Required with low-ambient controller.

*** Fan motor with ball bearings required.

††† High-pressure switch must be added if not supplied with the system.

N/A—Not Applicable.

This unit can be used as part of the Perfect Heat / Perfect Humidity System. This system will remove more moisture per day than a standard system. A Perfect Heat System will also average warmer air temperatures in heating mode. This system requires the use of a Variable-Speed Fan Coil with Thermidistat Control.

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, or Low-Ambient-Pressure Switch	Yes	No
Wind Baffle	See Low-Ambient Instructions	No
Coastal Filter	No	No
Liquid-Line Solenoid Valve or Hard Shutoff TXV	No	See Long-Line Application Guideline
Ball Bearing Fan Motor	Yes‡	No
Isolation Relay	Yes	No

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

‡ Required for low-ambient controller (full modulation feature) and MotorMaster Control only.
For buried line applications, contact you local distributor

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.

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.

ACCESSORY DESCRIPTION AND USAGE (continued)

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 Bryant 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 Bryant 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.

A-WTD. SOUND POWER (dBA)

UNIT SIZE-SERIES	STANDARD RATING	TYPICAL OCTAVE BAND SPECTRUM (without tone adjustment)						
		125	250	500	1000	2000	4000	8000
018-E, F	78	49.5	58.0	66.5	69.5	67.0	66.5	59.5
024-E, F	78	50.5	59.0	64.5	68.0	67.5	67.5	61.5
030-E, F	80	57.5	64.5	68.5	72.5	72.5	70.0	64.0
036-D, E, F, G	81	60.5	67.5	73.0	76.0	73.0	69.5	63.5
042-E, G, H, K	80	59.0	65.0	70.5	75.5	72.0	69.5	64.0
048-C, E, G, H	80	54.5	63.5	69.5	75.0	71.0	70.0	67.5
060-C, E, G, H	80	56.0	64.5	73.0	74.5	71.0	71.0	63.0

NOTE: Tested in accordance with ARI standard 270.95. (Not listed with ARI.)

COMBINATION RATINGS

UNIT SIZE-SERIES	INDOOR UNIT	ARI STANDARD RATINGS**										
		Cooling						Heating				
			Seasonal Efficiency SEER									
		TC	Factory-Supplied Enhance-ment	Standard Rating	Accessory TXV**	Bryant Gas Fur-nace or Accessory TDR‡	EER	High-Temp		Low-Temp		HSPF
018-E, F	*F(A,B)4BN(F,C)018	17,000	TDR	10.00	—	—	8.80	17,500	3.00	11,000	2.22	7.0
	CC5A/CD5AA018	17,500	NONE	—	10.00	10.00	8.85	17,000	2.94	11,000	2.18	6.8
	CC5A/CD5AA024	17,800	NONE	—	10.10	10.10	9.05	17,500	3.08	11,200	2.24	7.0
	CE3AA024	17,800	NONE	—	10.10	10.10	9.10	17,500	3.08	11,200	2.26	7.0
	CF5AA024	17,800	NONE	—	10.10	10.10	9.10	17,500	3.10	11,300	2.26	7.2
	CK3BA024	17,800	NONE	—	10.10	10.10	9.00	17,500	3.16	11,300	2.26	7.0
	CK5A/CK5BA018	17,500	NONE	—	10.00	10.00	8.85	17,000	3.04	11,200	2.24	6.8
	CK5A/CK5BA024	17,800	NONE	—	10.10	10.10	9.00	17,500	3.16	11,300	2.26	7.0
	CK5A/CK5BW024	17,800	NONE	—	10.10	10.10	9.00	17,500	3.16	11,300	2.26	7.0
	F(A,B)4AN(F,C)018	17,000	TDR	10.00	—	—	8.80	17,500	3.00	11,000	2.22	7.0
	F(A,B)4AN(F,C)024	18,000	TDR	10.10	—	—	8.95	18,000	3.12	11,400	2.26	7.2
	F(A,B)4BN(F,C)024	18,000	TDR	10.10	—	—	8.95	18,000	3.12	11,400	2.26	7.2
	FC4BNF024	18,000	TDR&TXV	10.10	—	—	8.80	18,000	3.14	11,300	2.28	7.2
	FC4CNF024	18,000	TDR&TXV	10.10	—	—	8.80	18,000	3.14	11,300	2.28	7.2
	FF1DNA018	17,000	TDR	10.00	—	—	9.00	17,500	3.02	11,000	2.22	7.0
	FF1DNA024	17,800	TDR	10.20	—	—	9.05	17,600	3.16	11,300	2.28	7.2
	FG3AAA024	17,500	NONE	—	10.00	10.00	8.65	16,800	3.06	11,200	2.26	6.8
	COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA024	17,500	TDR	11.00	—	—	9.70	17,000	3.06	10,200	2.26	7.0
	CC5A/CD5AW024	17,500	TDR	11.00	—	—	9.70	17,000	3.06	10,200	2.26	7.0
	CE3AA024	17,500	TDR	11.00	—	—	9.70	17,000	3.08	10,300	2.28	7.0
	CK3BA024	17,500	TDR	11.00	—	—	9.85	17,000	3.24	10,400	2.34	7.2
	CK5A/CK5BA024	17,500	TDR	11.00	—	—	9.85	17,000	3.24	10,400	2.34	7.2
	CK5A/CK5BW024	17,500	TDR	11.00	—	—	9.85	17,000	3.24	10,400	2.34	7.2
024-E, F	*F(A,B)4BN(F,C)024	22,600	TDR	10.00	—	—	8.90	22,800	3.20	14,000	2.28	7.0
	CC5A/CD5AA024	22,400	NONE	—	10.00	10.00	8.85	22,800	3.10	13,800	2.24	6.9
	CC5A/CD5AA030	22,800	NONE	—	10.00	10.00	8.90	22,800	3.10	13,900	2.24	6.9
	CC5A/CD5AW030	22,800	NONE	—	10.00	10.00	8.90	22,800	3.10	13,900	2.24	6.9
	CE3AA024	22,600	NONE	—	10.00	10.00	8.90	22,800	3.14	13,900	2.26	6.9
	CE3AA030	23,000	NONE	—	10.00	10.00	8.95	22,800	3.22	14,000	2.28	7.0
	CF5AA024	22,600	NONE	—	10.00	10.00	8.90	22,800	3.14	13,900	2.26	6.9
	CK3BA024	22,600	NONE	—	10.00	10.00	8.85	22,800	3.22	14,100	2.30	7.0
	CK3BA030	22,800	NONE	—	10.00	10.00	8.90	22,800	3.18	14,100	2.28	6.9
	CK5A/CK5BA024	22,600	NONE	—	10.00	10.00	8.90	22,800	3.20	14,000	2.28	7.0
	CK5A/CK5BA030	22,800	NONE	—	10.00	10.00	8.90	22,800	3.18	14,100	2.28	6.9
	CK5A/CK5BW024	22,600	NONE	—	10.00	10.00	8.90	22,800	3.20	14,000	2.28	7.0
	CK5A/CK5BW030	22,800	NONE	—	10.00	10.00	8.90	22,800	3.18	14,100	2.28	6.9
	F(A,B)4AN(F,C)024	22,600	TDR	10.00	—	—	8.90	22,800	3.20	14,000	2.28	7.0
	F(A,B)4AN(F,C)030	22,800	TDR	10.00	—	—	9.00	22,800	3.22	14,000	2.30	7.0
	F(A,B)4BN(F,C)030	22,800	TDR	10.00	—	—	9.00	22,800	3.22	14,000	2.30	7.0
	FC4BNF024	22,600	TDR&TXV	10.00	—	—	8.90	22,800	3.20	14,000	2.28	7.0
	FC4BNF030	22,800	TDR&TXV	10.00	—	—	8.80	22,800	3.22	14,000	2.30	7.0
	FC4CNF024	22,600	TDR&TXV	10.00	—	—	8.90	22,800	3.20	14,000	2.28	7.0
	FC4CNF030	22,800	TDR&TXV	10.00	—	—	8.80	22,800	3.22	14,000	2.30	7.0
	FF1DNA024	22,000	TDR	10.00	—	—	9.05	22,800	3.18	14,100	2.28	7.0
	FF1DNA030	23,000	TDR	10.00	—	—	9.05	22,800	3.24	14,200	2.30	7.0
	FK4CNF001	23,000	TDR&TXV	11.00	—	—	9.95	22,000	3.38	13,400	2.44	7.2
	FK4CNF002	23,200	TDR&TXV	11.10	—	—	10.00	21,000	3.40	13,500	2.46	7.0
	FK4DNF001	23,000	TDR&TXV	11.00	—	—	9.95	22,000	3.38	13,400	2.44	7.2
	FK4DNF002	23,200	TDR&TXV	11.10	—	—	10.00	21,000	3.40	13,500	2.46	7.0
	COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA030	22,800	TDR	11.00	—	—	9.65	20,600	3.22	12,800	2.32	7.0
	CC5A/CD5AW030	22,800	TDR	11.00	—	—	9.65	20,600	3.22	12,800	2.32	7.0
	CE3AA030	22,800	TDR	11.00	—	—	9.70	21,000	3.30	13,100	2.36	7.0
	CK3BA030	22,800	TDR	11.00	—	—	9.65	21,000	3.34	13,200	2.36	7.0
	CK5A/CK5BA030	22,800	TDR	11.00	—	—	9.65	21,000	3.34	13,200	2.36	7.0
	CK5A/CK5BW030	22,800	TDR	11.00	—	—	9.65	21,000	3.34	13,200	2.36	7.0
030-E, F	*F(A,B)4BN(F,C)030	28,200	TDR	10.00	—	—	9.20	29,000	3.08	17,100	2.20	7.2
	CC5A/CD5AA030	27,800	NONE	—	10.00	10.00	9.10	28,600	3.00	17,000	2.16	7.0
	CC5A/CD5AA036	28,600	NONE	—	10.20	10.20	9.30	29,200	3.14	17,300	2.20	7.2
	CC5A/CD5AW030	27,800	NONE	—	10.00	10.00	9.10	28,600	3.00	17,000	2.16	7.0
	CC5A/CD5AW036	28,600	NONE	—	10.20	10.20	9.30	29,200	3.14	17,300	2.20	7.2
	CE3AA030	28,000	NONE	—	10.00	10.00	9.15	29,000	3.08	17,200	2.18	7.0
	CE3AA036	28,200	NONE	—	10.00	10.00	9.25	29,000	3.08	17,200	2.20	7.2
	CF5AA036	28,200	NONE	—	10.00	10.00	9.30	29,000	3.10	17,300	2.20	7.2
	CK3BA030	27,800	NONE	—	10.00	10.00	9.15	28,600	3.06	17,100	2.18	7.0
	CK3BA036	28,600	NONE	—	10.20	10.20	9.40	29,200	3.18	17,400	2.24	7.2
	CK5A/CK5BA030	27,800	NONE	—	10.00	10.00	9.15	28,600	3.06	17,100	2.18	7.0
	CK5A/CK5BA036	28,600	NONE	—	10.20	10.20	9.40	29,200	3.18	17,400	2.24	7.2
	CK5A/CK5BT036	28,600	NONE	—	10.20	10.20	9.40	29,200	3.18	17,400	2.24	7.2
	CK5A/CK5BW030	27,800	NONE	—	10.00	10.00	9.15	28,600	3.06	17,100	2.18	7.0
	CK5A/CK5BW036	28,600	NONE	—	10.20	10.20	9.40	29,200	3.18	17,400	2.24	7.2
	F(A,B)4AN(F,C)030	28,200	TDR	10.00	—	—	9.20	29,000	3.08	17,100	2.20	7.2
	F(A,B)4AN(F,C)036	28,400	TDR	10.00	—	—	9.20	29,200	3.08	17,500	2.18	7.2
	F(A,B)4BN(F,C)036	28,400	TDR	10.00	—	—	9.20	29,200	3.08	17,500	2.18	7.2
	FC4BNF030	28,200	TDR&TXV	10.00	—	—	9.05	29,000	3.08	17,100	2.20	7.2
	FC4BNF036	28,400	TDR&TXV	10.00	—	—	8.85	29,200	3.08	17,500	2.18	7.2
	FC4CNF030	28,200	TDR&TXV	10.00	—	—	9.05	29,000	3.08	17,100	2.20	7.2

See notes on page 16.

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	Accessory TXV**	Bryant Gas Fur-nace or Accessory TDR‡	EER	TC	COP	TC	COP	HSPF
030-E, F	FC4CNF036	28,400	TDR&TXV	10.00	—	—	8.85	29,200	3.08	17,500	2.18	7.2
	FF1DNA030	28,200	TDR	10.00	—	—	9.20	29,000	3.10	17,400	2.18	7.2
	FG3AAA036	28,200	NONE	—	10.00	10.00	9.10	29,000	3.08	17,200	2.20	7.2
	FK4CNF001	28,200	TDR&TXV	10.50	—	—	9.95	28,000	3.18	16,500	2.30	7.3
	FK4CNF002	28,400	TDR&TXV	11.00	—	—	10.00	28,200	3.26	16,600	2.32	7.5
	FK4CNF003	28,800	TDR&TXV	11.00	—	—	10.30	28,000	3.30	16,400	2.36	7.5
	FK4DNF001	28,200	TDR&TXV	10.50	—	—	9.95	28,000	3.18	16,500	2.30	7.3
	FK4DNF002	28,400	TDR&TXV	11.00	—	—	10.00	28,200	3.26	16,600	2.32	7.5
	FK4DNF003	28,800	TDR&TXV	11.00	—	—	10.30	28,000	3.30	16,400	2.36	7.5
	COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA036	28,600	TDR	11.00	—	—	10.10	27,400	3.20	16,000	2.30	7.2
	CE3AA036	28,000	TDR	10.80	—	—	9.95	27,400	3.14	16,000	2.28	7.2
	CK3BA036	28,600	TDR	11.00	—	—	10.10	27,400	3.24	16,300	2.32	7.2
	CK5A/CK5BA036	28,600	TDR	11.00	—	—	10.10	27,400	3.24	16,300	2.32	7.2
	CK5A/CK5BT036	28,600	TDR	11.00	—	—	10.10	27,400	3.24	16,300	2.32	7.2
	COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA036	28,600	TDR	11.00	—	—	10.25	27,400	3.22	15,900	2.32	7.2
	CC5A/CD5AW036	28,600	TDR	11.00	—	—	10.25	27,400	3.22	15,900	2.32	7.2
	CE3AA036	28,600	TDR	11.00	—	—	10.15	27,400	3.16	15,800	2.32	7.2
	CK3BA036	28,600	TDR	11.00	—	—	10.25	27,400	3.26	16,200	2.34	7.2
	CK5A/CK5BA036	28,600	TDR	11.00	—	—	10.25	27,400	3.26	16,200	2.34	7.2
	CK5A/CK5BW036	28,600	TDR	11.00	—	—	10.25	27,400	3.26	16,200	2.34	7.2
036-D, E, F, G	*F(A,B)4BN(F,C)036	34,200	TDR	10.00	—	—	9.30	35,000	3.10	21,200	2.24	7.2
	CC5A/CD5AA036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.16	23,400	2.26	7.2
	CC5A/CD5AA042	34,800	NONE	—	10.20	10.20	9.60	35,000	3.16	21,000	2.26	7.2
	CC5A/CD5AW036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.16	21,000	2.26	7.2
	CC5A/CD5AW042	34,400	NONE	—	10.20	10.20	9.35	35,000	3.12	20,800	2.26	7.2
	CE3AA036	34,200	NONE	—	10.10	10.10	9.55	34,800	3.12	20,800	2.24	7.2
	CE3AA042	34,600	NONE	—	10.20	10.20	9.55	35,000	3.18	21,000	2.28	7.2
	CF5AA036	34,200	NONE	—	10.00	10.00	9.55	34,800	3.14	20,800	2.26	7.2
	CK3BA036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.18	21,000	2.28	7.2
	CK3BA042	34,800	NONE	—	10.20	10.20	9.60	35,000	3.18	21,000	2.28	7.2
	CK5A/CK5BA036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.18	21,000	2.28	7.2
	CK5A/CK5BA042	34,800	NONE	—	10.20	10.20	9.60	35,000	3.18	21,000	2.28	7.2
	CK5A/CK5BT036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.18	21,000	2.28	7.2
	CK5A/CK5BT042	34,800	NONE	—	10.20	10.20	9.60	35,000	3.18	21,000	2.28	7.2
	CK5A/CK5BW036	34,200	NONE	—	10.00	10.00	9.60	35,000	3.18	21,000	2.28	7.2
	F(A,B)4AN(F,B,C)042	34,800	TDR	10.20	—	—	9.55	35,200	3.16	21,200	2.26	7.4
	F(A,B)4AN(F,C)036	34,200	TDR	10.00	—	—	9.30	35,000	3.10	21,200	2.24	7.2
	F(A,B)4BN(F,B,C)042	34,800	TDR	10.20	—	—	9.55	35,200	3.16	21,200	2.26	7.4
	FC4BN(F,B)042	34,800	TDR&TXV	10.20	—	—	9.55	35,200	3.16	21,200	2.26	7.4
	FC4BNF036	34,200	TDR&TXV	10.00	—	—	9.30	35,000	3.10	21,200	2.24	7.2
	FC4CN(F,B)042	34,800	TDR&TXV	10.20	—	—	9.55	35,200	3.16	21,200	2.26	7.4
	FC4CNF036	34,200	TDR&TXV	10.00	—	—	9.30	35,000	3.10	21,200	2.24	7.2
	FG3AAA036	34,000	NONE	—	10.00	10.00	9.55	34,000	3.10	20,800	2.24	7.0
	FK4CNF001	33,800	TDR&TXV	11.00	—	—	10.05	34,000	3.20	20,200	2.32	7.5
	FK4CNF002	33,800	TDR&TXV	11.00	—	—	10.05	34,000	3.28	20,400	3.34	7.5
	FK4CNF003	34,200	TDR&TXV	11.50	—	—	10.50	34,000	3.30	20,000	2.38	7.5
	FK4DNF001	33,800	TDR&TXV	11.00	—	—	10.05	34,000	3.20	20,200	2.32	7.5
	FK4DNF002	33,800	TDR&TXV	11.00	—	—	10.05	34,000	3.28	20,400	3.34	7.5
	FK4DNF003	34,200	TDR&TXV	11.50	—	—	10.50	34,000	3.30	20,000	2.38	7.5
	COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE											
	CE3AA042	34,600	TDR	11.00	—	—	10.00	34,000	3.24	20,200	2.36	7.4
	CK5A/CK5BE042	34,800	TDR	11.00	—	—	10.00	34,200	3.28	20,200	2.36	7.4
	COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	34,600	TDR	11.00	—	—	10.15	33,800	3.24	19,800	2.36	7.4
	CE3AA042	34,800	TDR	11.20	—	—	10.15	34,000	3.26	20,000	2.38	7.4
	CK3BA042	34,600	TDR	11.20	—	—	10.10	34,000	3.28	20,000	2.38	7.4
	CK5A/CK5BA042	34,600	TDR	11.20	—	—	10.10	34,000	3.28	20,000	2.38	7.4
	CK5A/CK5BE042	34,800	TDR	11.20	—	—	10.15	34,000	3.32	20,200	2.40	7.4
	CK5A/CK5BT042	34,600	TDR	11.20	—	—	10.10	34,000	3.28	20,000	2.38	7.4
	COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	34,600	TDR	11.20	—	—	10.25	33,600	3.26	19,700	2.38	7.4
	CC5A/CD5AW042	34,200	TDR	11.20	—	—	10.20	33,600	3.22	19,600	2.36	7.4
	CE3AA042	34,800	TDR	11.20	—	—	10.20	34,000	3.28	20,000	2.38	7.4
	CK3BA042	34,800	TDR	11.20	—	—	10.20	34,000	3.30	20,000	2.40	7.4
	CK5A/CK5BA042	34,800	TDR	11.20	—	—	10.25	34,000	3.30	20,000	2.40	7.4
	CK5A/CK5BT042	34,600	TDR	11.20	—	—	10.20	34,000	3.30	20,000	2.40	7.4
	COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA042	34,600	TDR	11.20	—	—	10.20	33,800	3.24	19,800	2.36	7.4
	CC5A/CD5AW042	34,200	TDR	11.20	—	—	10.15	33,600	3.22	19,700	2.36	7.4
	CE3AA042	34,800	TDR	11.20	—	—	10.15	34,000	3.28	20,000	2.38	7.4
	CK3BA042	34,600	TDR	11.20	—	—	10.15	34,000	3.28	20,000	2.40	7.4
	CK5A/CK5BA042	34,600	TDR	11.20	—	—	10.15	34,000	3.28	20,000	2.40	7.4
	CK5A/CK5BT042	34,600	TDR	11.20	—	—	10.15	34,000	3.28	20,000	2.40	7.4

See notes on page 16.

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	Accessory TXV**	Bryant Gas Fur-nace or Accessory TDR‡	EER	TC	COP	TC	COP	HSPF
	COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE											
036-D, E, F, G	CC5A/CD5AA042	34,600	TDR	11.20	—	—	10.30	33,600	3.26	19,700	2.38	7.4
	CC5A/CD5AW042	34,400	TDR	11.20	—	—	10.20	33,600	3.24	19,600	2.36	7.4
	CE3AA042	34,800	TDR	11.20	—	—	10.25	34,000	3.28	19,900	2.40	7.4
	CK3BA042	34,600	TDR	11.20	—	—	10.20	34,000	3.30	20,000	2.40	7.4
	CK5A/CK5BA042	34,800	TDR	11.20	—	—	10.20	34,000	3.30	20,000	2.40	7.4
	CK5A/CK5BT042	34,800	TDR	11.20	—	—	10.20	34,000	3.30	20,000	2.40	7.4
042-E, G, H, K	*F(A,B)4BN(F,B,C)042	40,500	TDR	10.00	—	—	9.00	42,000	3.06	27,000	2.26	7.2
	CC5A/CD5AA042	40,500	NONE	—	10.00	10.00	9.10	42,000	3.04	26,800	2.26	7.2
	CC5A/CD5AC048	40,500	NONE	—	10.00	10.00	9.05	42,000	2.96	26,600	2.22	7.2
	CC5A/CD5AW042	40,500	NONE	—	10.00	10.00	9.05	42,000	3.02	26,600	2.24	7.2
	CC5A/CD5AW048	41,000	NONE	—	10.00	10.00	9.10	42,000	3.08	26,800	2.28	7.2
	CD5AA048	41,000	NONE	—	10.00	10.00	9.10	42,000	3.08	26,800	2.28	7.2
	CE3AA042	41,000	NONE	—	10.00	10.00	9.15	42,000	3.10	26,800	2.28	7.2
	CE3AA048	41,000	NONE	—	10.00	10.00	9.20	42,000	3.12	26,800	2.30	7.2
	CF5AA048	40,500	NONE	—	10.00	10.00	9.15	42,000	3.06	26,800	2.26	7.2
	CK3BA042	40,500	NONE	—	10.00	10.00	9.10	42,000	3.08	26,800	2.28	7.2
	CK3BA048	41,000	NONE	—	10.00	10.00	9.15	42,000	3.14	26,800	2.30	7.2
	CK5A/CK5BA042	40,500	NONE	—	10.00	10.00	9.10	42,000	3.08	26,800	2.28	7.2
	CK5A/CK5BA048	41,000	NONE	—	10.00	10.00	9.15	42,000	3.14	26,800	2.30	7.2
	CK5A/CK5BE042	41,000	NONE	—	10.00	10.00	9.15	41,000	3.14	26,800	2.30	7.0
	CK5A/CK5BT042	40,500	NONE	—	10.00	10.00	9.10	42,000	3.08	26,800	2.28	7.2
	CK5A/CK5BT048	41,000	NONE	—	10.00	10.00	9.15	42,000	3.14	26,800	2.30	7.2
	CK5A/CK5BW048	41,000	NONE	—	10.00	10.00	9.15	42,000	3.14	26,800	2.30	7.2
	F(A,B)4AN(F,B,C)042	40,500	TDR	10.00	—	—	9.00	42,000	3.06	27,000	2.26	7.2
	F(A,B)4AN(F,B,C)048	41,000	TDR	10.00	—	—	9.10	42,000	3.16	27,000	2.30	7.2
	F(A,B)4BN(F,B,C)048	41,000	TDR	10.00	—	—	9.10	42,000	3.16	27,000	2.30	7.2
	FC4BN(F,B)042	40,500	TDR&TXV	10.00	—	—	9.05	42,000	3.06	27,000	2.26	7.2
	FC4BN(F,B)048	41,000	TDR&TXV	10.00	—	—	9.15	42,000	3.16	27,000	2.30	7.2
	FC4CN(F,B)042	40,500	TDR&TXV	10.00	—	—	9.05	42,000	3.06	27,000	2.26	7.2
	FC4CN(F,B)048	41,000	TDR&TXV	10.00	—	—	9.15	42,000	3.16	27,000	2.30	7.2
	FG3AAA048	40,500	NONE	—	10.00	10.00	9.15	42,000	3.12	26,800	2.30	7.2
	FK4CNF003	40,000	TDR&TXV	10.50	—	—	9.80	41,500	3.14	25,800	2.34	7.4
	FK4CNF005	41,000	TDR&TXV	11.00	—	—	10.20	41,000	3.38	26,000	2.46	7.5
	FK4DNF003	40,000	TDR&TXV	10.50	—	—	9.80	41,500	3.14	25,800	2.34	7.4
	FK4DNF005	41,000	TDR&TXV	11.00	—	—	10.20	41,000	3.38	26,000	2.46	7.5
	COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	40,000	TDR	10.50	—	—	9.65	40,500	2.96	25,600	2.28	7.2
	CD5AA048	40,500	TDR	10.50	—	—	9.75	41,000	3.14	25,800	2.34	7.4
	CE3AA048	40,500	TDR	10.50	—	—	9.70	41,000	3.16	26,000	2.34	7.4
	CK3BA048	40,500	TDR	10.50	—	—	9.75	41,000	3.20	25,800	2.36	7.4
	CK5A/CK5BA048	40,500	TDR	10.50	—	—	9.75	41,000	3.20	25,800	2.36	7.4
	CK5A/CK5BT048	40,500	TDR	10.50	—	—	9.75	41,000	3.20	25,800	2.36	7.4
	COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	40,000	TDR	10.50	—	—	9.75	40,500	2.98	25,400	2.30	7.2
	CC5A/CD5AW048	40,500	TDR	11.00	—	—	9.85	41,000	3.14	25,600	2.34	7.4
	CD5AA048	40,500	TDR	11.00	—	—	9.85	41,000	3.16	25,600	2.34	7.4
	CE3AA048	40,500	TDR	10.50	—	—	9.80	41,000	3.18	25,800	2.36	7.4
	CK3BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BT048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BW048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	40,000	TDR	10.50	—	—	9.75	40,500	2.98	25,400	2.30	7.2
	CC5A/CD5AW048	40,500	TDR	11.00	—	—	9.85	41,000	3.14	25,600	2.34	7.4
	CD5AA048	40,500	TDR	11.00	—	—	9.85	41,000	3.16	25,600	2.36	7.4
	CE3AA048	40,500	TDR	10.50	—	—	9.80	41,000	3.18	25,800	2.36	7.4
	CK3BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BT048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BW048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE											
	CC5A/CD5AC048	40,000	TDR	10.50	—	—	9.80	40,500	2.98	25,400	2.30	7.2
	CC5A/CD5AW048	40,500	TDR	11.00	—	—	9.85	41,000	3.16	25,600	2.36	7.4
	CD5AA048	40,500	TDR	11.00	—	—	9.90	41,000	3.16	25,600	2.36	7.4
	CE3AA048	40,500	TDR	10.50	—	—	9.80	41,000	3.18	25,800	2.36	7.4
	CK3BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BA048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BT048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
	CK5A/CK5BW048	40,500	TDR	11.00	—	—	9.85	41,000	3.22	25,800	2.38	7.4
048-C, E, G, H	*F(A,B)4BN(F,B,C)048	45,500	TDR	10.00	—	10.00	9.15	47,000	3.20	30,200	2.34	7.20
	CC5A/CD5AA060	45,000	NONE	—	10.00	10.00	9.25	46,500	3.06	29,800	2.30	7.20
	CC5A/CD5AC048	43,500	NONE	—	10.00	10.00	9.15	46,000	2.94	29,400	2.26	7.00
	CC5A/CD5AW048	45,000	NONE	—	10.00	10.00	9.15	46,500	3.12	29,800	2.32	7.20
	CC5A/CD5AW060	46,000	NONE	—	10.00	10.00	9.40	47,000	3.22	29,800	2.36	7.20
	CD5AA048	45,000	NONE	—	10.00	10.00	9.20	46,500	3.12	29,800	2.32	7.20
	CE3AA048	45,000	NONE	—	10.00	10.00	9.35	47,000	3.12	29,600	2.34	7.20
	CE3AA060	46,000	NONE	—	10.00	10.00	9.45	47,000	3.18	29,800	2.38	7.50

See notes on page 16.

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	Accessory TXV**	Bryant Gas Fur-nace or Accessory TDR‡	EER	TC	COP	TC	COP	HSPF
048-C, E, G, H	CF5AA048	44,500	NONE	—	10.00	10.00	9.30	46,500	2.94	29,000	2.28	7.20
	CK3BA048	45,000	NONE	—	10.00	10.00	9.25	46,500	3.16	29,800	2.36	7.20
	CK3BA060	45,000	NONE	—	10.00	10.00	9.40	46,500	3.30	30,000	2.40	7.20
	CK5A/CK5BA048	45,000	NONE	—	10.00	10.00	9.25	46,500	3.16	29,800	2.36	7.20
	CK5A/CK5BA060	45,000	NONE	—	10.00	10.00	9.40	46,500	3.30	30,000	2.40	7.20
	CK5A/CK5BT048	45,000	NONE	—	10.00	10.00	9.25	46,500	3.16	29,800	2.36	7.20
	CK5A/CK5BT060	45,000	NONE	—	10.00	10.00	9.40	46,500	3.30	30,000	2.40	7.20
	CK5A/CK5BW048	45,000	NONE	—	10.00	10.00	9.25	46,500	3.16	29,800	2.36	7.20
	CK5A/CK5BX060	46,000	NONE	—	10.00	10.00	9.50	47,000	3.28	30,000	2.42	7.20
	F(A,B)4BN(F,B,C)060	46,500	TDR	10.00	—	10.00	9.20	47,000	3.22	30,400	2.36	7.50
	FB4BNB070	47,000	TDR	10.00	—	10.00	9.45	47,000	3.30	30,400	2.42	7.50
	FC4CN(F,B)048	46,000	TDR&TXV	10.00	—	10.00	9.20	47,000	3.20	30,200	2.34	7.20
	FC4CN(F,B)060	46,500	TDR&TXV	10.00	—	10.00	9.25	47,000	3.22	30,400	2.36	7.50
	FC4CNB070	47,000	TDR&TXV	10.00	—	10.00	9.55	47,000	3.24	30,400	2.42	7.50
	FG3AAA048	44,500	NONE	10.00	—	10.00	9.15	47,000	3.16	29,800	2.34	7.20
	FK4DNF005	46,000	TDR&TXV	11.00	—	11.00	10.20	46,000	3.36	28,800	2.50	7.50
	FK4DNB006	47,000	TDR&TXV	11.20	—	11.20	10.45	46,000	3.52	28,800	2.54	7.60
	COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE											
	CE3AA060	45,500	TDR	10.50	—	10.50	9.85	45,000	3.18	29,000	2.40	7.00
	COILS + 315(A,J)AV060110 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	44,000	TDR	10.50	—	10.50	9.65	45,000	3.02	28,600	2.34	7.00
	CE3AA060	45,500	TDR	10.50	—	10.50	9.90	45,000	3.18	28,800	2.42	7.00
	CK3BA060	45,500	TDR	10.50	—	11.00	9.85	45,500	3.30	29,000	2.44	7.40
	CK5A/CK5BA060	45,500	TDR	10.50	—	11.00	9.90	45,500	3.30	29,000	2.46	7.40
	CK5A/CK5BT060	45,500	TDR	10.50	—	10.50	9.85	45,500	3.30	29,000	2.46	7.40
	CK5A/CK5BX060	46,000	TDR	10.50	—	10.50	10.00	45,500	3.30	29,000	2.46	7.40
	COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	44,500	TDR	10.50	—	10.50	9.80	45,000	3.04	28,600	2.34	7.00
	CE3AA060	45,500	TDR	11.00	—	11.00	10.00	45,000	3.22	28,800	2.44	7.00
	CK3BA060	45,500	TDR	11.00	—	11.00	10.00	45,500	3.32	28,800	2.46	7.40
	CK5A/CK5BA060	45,500	TDR	11.00	—	11.00	10.00	45,500	3.34	28,800	2.48	7.40
	CK5A/CK5BT060	45,500	TDR	11.00	—	11.00	10.00	45,500	3.34	28,800	2.48	7.40
	CK5A/CK5BX060	46,000	TDR	11.00	—	11.00	10.10	45,500	3.32	28,800	2.48	7.40
	COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	44,500	TDR	10.50	—	10.50	9.85	45,000	3.06	28,400	2.36	7.00
	CE3AA060	45,500	TDR	11.00	—	11.00	10.10	45,000	3.22	28,600	2.44	7.00
	CK3BA060	45,500	TDR	11.00	—	11.00	10.05	45,500	3.36	28,800	2.48	7.40
	CK5A/CK5BA060	45,500	TDR	11.00	—	11.00	10.05	45,500	3.36	28,800	2.48	7.40
	CK5A/CK5BT060	45,500	TDR	11.00	—	11.00	10.05	45,500	3.36	28,800	2.48	7.40
	CK5A/CK5BX060	46,000	TDR	11.00	—	11.00	10.15	46,000	3.34	28,800	2.50	7.40
060-C, E, G, H	*F(A,B)4BN(F,B,C)060	56,000	TDR	10.10	—	—	9.00	58,000	3.16	38,500	2.38	7.5
	CC5A/CD5AA060	53,500	NONE	—	10.20	10.20	9.15	56,000	2.94	37,200	2.30	7.0
	CC5A/CD5AW060	55,500	NONE	—	10.50	10.50	9.30	56,500	3.14	37,600	2.40	7.5
	CE3AA060	56,000	NONE	—	10.20	10.20	9.35	56,500	3.16	37,600	2.40	7.5
	CK3BA060	53,500	NONE	—	10.20	10.20	9.30	56,000	3.06	37,200	2.36	7.0
	CK5A/CK5BA060	53,500	NONE	—	10.20	10.20	9.30	56,000	3.06	37,200	2.36	7.0
	CK5A/CK5BT060	53,500	NONE	—	10.20	10.20	9.30	56,000	3.06	37,200	2.36	7.0
	CK5A/CK5BX060	55,500	NONE	—	10.50	10.50	9.40	56,500	3.20	37,800	2.42	7.5
	F(A,B)4AN(F,B,C)060	56,000	TDR	10.10	—	—	9.00	58,000	3.16	38,500	2.38	7.5
	FB4ANB070	56,500	TDR	10.50	—	—	9.00	57,000	3.32	38,000	2.46	7.5
	FB4BNB070	56,500	TDR	10.50	—	—	9.00	57,000	3.32	38,000	2.46	7.5
	FC4BN(F,B)060	56,000	TDR&TXV	10.10	—	—	9.35	58,000	3.16	38,500	2.38	7.5
	FC4BNB070	56,500	TDR&TXV	10.50	—	—	9.00	57,000	3.32	38,000	2.46	7.5
	FC4CN(F,B)060	56,000	TDR&TXV	10.10	—	—	9.35	58,000	3.16	38,500	2.38	7.5
	FC4CNB070	56,500	TDR&TXV	10.50	—	—	9.00	57,000	3.32	38,000	2.46	7.5
	FG3AAA060	54,500	NONE	—	10.40	10.40	9.35	56,500	3.10	37,600	2.38	7.2
	FK4CNB006	56,000	TDR&TXV	10.80	—	—	9.60	53,000	3.20	38,500	2.50	7.6
	FK4DNB006	56,000	TDR&TXV	10.80	—	—	9.60	53,000	3.20	38,500	2.50	7.6
	COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	54,000	TDR	10.50	—	—	9.45	55,500	2.96	37,600	2.38	7.0
	CE3AA060	55,500	TDR	10.50	—	—	9.70	56,000	3.14	37,800	2.46	7.2
	CK3BA060	55,000	TDR	10.50	—	—	9.50	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BA060	55,000	TDR	10.50	—	—	9.50	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BT060	55,000	TDR	10.50	—	—	9.50	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BX060	56,000	TDR	11.00	—	—	9.80	56,000	3.24	38,000	2.52	7.4
	COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE											
	CC5A/CD5AA060	54,000	TDR	10.50	—	—	9.40	55,500	2.96	37,600	2.36	7.0
	CC5A/CD5AW060	55,000	TDR	10.50	—	—	9.60	55,000	3.18	37,600	2.44	7.4
	CE3AA060	55,500	TDR	10.50	—	—	9.65	56,000	3.14	38,000	2.46	7.2
	CK3BA060	55,000	TDR	10.50	—	—	9.50	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BA060	55,000	TDR	10.50	—	—	9.50	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BT060	55,000	TDR	10.50	—	—	9.45	56,000	3.24	38,000	2.48	7.4
	CK5A/CK5BX060	56,000	TDR	11.00	—	—	9.80	56,000	3.24	38,000	2.50	7.4

See notes on page 16.

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	Accessory TXV**	Bryant Gas Fur-nace or Accessory TDR‡	EER	TC	COP	TC	COP	HSPF
	COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE											
060-C, E, G, H	CC5A/CD5AA060	54,000	TDR	10.50	—	—	9.50	55,500	2.98	37,400	2.38	7.0
	CC5A/CD5AW060	55,000	TDR	11.00	—	—	9.65	55,000	3.20	37,600	2.44	7.4
	CE3AA060	55,500	TDR	10.50	—	—	9.75	56,000	3.14	37,800	2.46	7.2
	CK3BA060	55,000	TDR	10.50	—	—	9.55	56,000	3.26	38,000	2.50	7.4
	CK5A/CK5BA060	55,000	TDR	10.50	—	—	9.55	56,000	3.26	38,000	2.50	7.4
	CK5A/CK5BT060	55,000	TDR	10.50	—	—	9.55	56,000	3.26	38,000	2.50	7.4
	CK5A/CK5BX060	56,000	TDR	11.00	—	—	9.85	56,000	3.26	37,800	2.52	7.4

*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.

‡ In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay KAATD0101TDR or a furnace equipped with TDR.

** TXV must be hard shutoff type.

COP — Coefficient of Performance

EER — Energy Efficiency Ratio

HSPF — Heating Seasonal Performance Factor

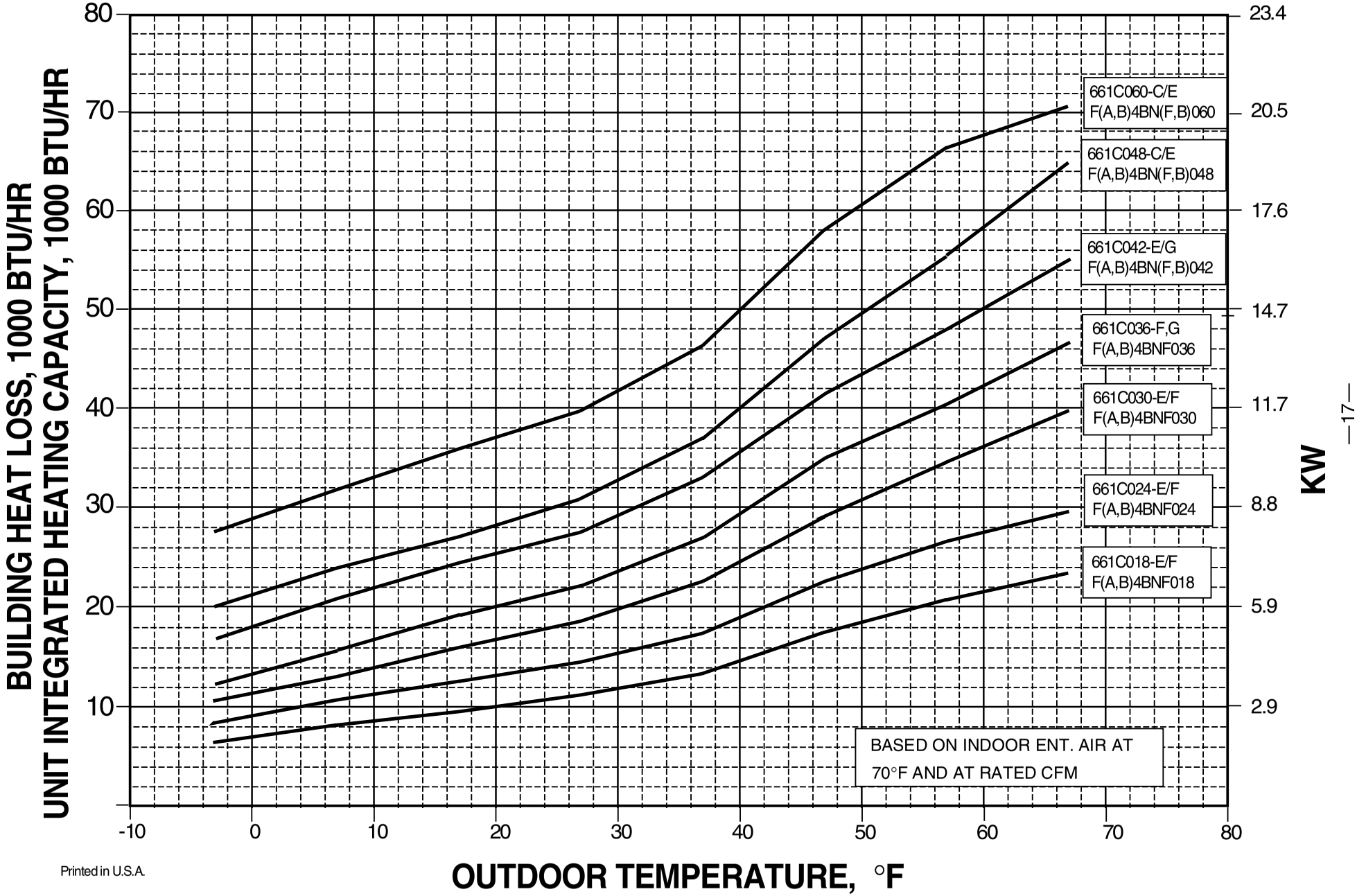
SEER — Seasonal Energy Efficiency Ratio

TC — Total Capacity (Btuh)

TDR — Time-Delay Relay

TXV — Thermostatic Expansion Valve

661C BALANCE POINT WORKSHEET



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DETAILED COOLING CAPACITIES*

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		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**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
661C018-E, F Outdoor Section With F(A,B)4(A,B)NF018 Indoor Section																
600	72	19.8	9.98	1.87	18.6	9.56	1.99	17.5	9.14	2.11	16.3	8.74	2.23	14.8	8.21	2.30
	67	17.9	12.7	1.80	16.8	12.2	1.92	15.8	11.8	2.03	14.7	11.4	2.14	13.2	10.8	2.21
	63††	16.5	12.2	1.76	15.5	11.8	1.87	14.5	11.4	1.98	13.4	10.9	2.08	12.0	10.3	2.14
	62	16.2	15.2	1.75	15.3	14.7	1.86	14.3	14.2	1.97	13.4	13.4	2.08	12.3	12.3	2.15
	57	15.8	15.8	1.73	15.0	15.0	1.85	14.2	14.2	1.96	13.4	13.4	2.08	12.3	12.3	2.15
650	72	20.0	10.2	1.90	18.8	9.82	2.01	17.6	9.40	2.13	16.4	8.99	2.25	14.9	8.46	2.33
	67	18.1	13.1	1.83	17.0	12.7	1.94	15.9	12.3	2.06	14.7	11.8	2.17	13.3	11.2	2.24
	63††	16.7	12.7	1.78	15.7	12.2	1.89	14.6	11.8	2.00	13.5	11.3	2.11	12.1	10.7	2.16
	62	16.4	15.8	1.77	15.5	15.2	1.88	14.6	14.6	2.00	13.7	13.7	2.12	12.5	12.5	2.19
	57	16.2	16.2	1.76	15.4	15.4	1.88	14.5	14.5	2.00	13.7	13.7	2.12	12.6	12.6	2.19
700	72	20.2	10.5	1.92	19.0	10.1	2.04	17.8	9.65	2.16	16.5	9.24	2.28	15.0	8.69	2.36
	67	18.2	13.5	1.85	17.1	13.1	1.97	16.0	12.7	2.08	14.9	12.2	2.20	13.4	11.6	2.26
	63††	16.8	13.1	1.81	15.8	12.6	1.92	14.7	12.1	2.02	13.6	11.7	2.13	12.2	11.0	2.19
	62	16.7	16.3	1.80	15.7	15.7	1.91	14.8	14.8	2.03	13.9	13.9	2.15	12.8	12.8	2.22
	57	16.5	16.5	1.79	15.7	15.7	1.91	14.8	14.8	2.03	13.9	13.9	2.15	12.8	12.8	2.22

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling		Indoor Section	Unit Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	1.03	1.02	FC4BNF	024	1.06	1.06
	024	1.05	1.02	FC4CNF	024	1.06	1.06
CE3AA	024	1.05	1.01	FF1DNA	018	1.00	0.98
CF5AA	024	1.05	1.01		024	1.05	1.02
CK3BA	024	1.05	1.02	FG3AAA	024	1.03	1.05
CK5A/CK5BA	018	1.03	1.02	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
	024	1.05	1.02	CC5A/CD5AA	024	1.03	0.93
CK5A/CK5BW	024	1.05	1.02	CC5A/CD5AW	024	1.03	0.93
F(A,B)4AN(F,C)	018	1.00	1.00	CE3AA	024	1.03	0.93
	024	1.06	1.04	CK3BA	024	1.03	0.92
F(A,B)4BN(F,C)	018	1.00	1.00	CK5A/CK5BA	024	1.03	0.92
	024	1.06	1.04	CK5A/CK5BW	024	1.03	0.92

See notes on page 24.

COMBINATION RATINGS Continued

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**
661C024-E, F Outdoor Section With F(A,B)4(A,B)NF024 Indoor Section																
700	72	25.9	12.8	2.43	24.5	12.3	2.58	22.9	11.7	2.72	21.2	11.2	2.86	19.5	10.6	2.98
	67	23.6	16.2	2.35	22.2	15.6	2.49	20.6	15.0	2.62	19.0	14.4	2.74	17.5	13.8	2.85
	63††	21.8	15.7	2.29	20.4	15.1	2.42	19.0	14.4	2.54	17.5	13.8	2.65	16.0	13.2	2.75
	62	21.4	19.4	2.27	20.0	18.7	2.40	18.7	18.0	2.52	17.3	17.3	2.64	16.1	16.1	2.76
	57	20.6	20.6	2.25	19.5	19.5	2.38	18.4	18.4	2.51	17.3	17.3	2.64	16.1	16.1	2.76
800	72	26.4	13.4	2.48	24.9	12.9	2.63	23.3	12.3	2.78	21.6	11.8	2.91	19.8	11.2	3.04
	67	24.1	17.2	2.40	22.6	16.6	2.54	21.0	16.0	2.68	19.3	15.4	2.80	17.7	14.7	2.91
	63††	22.3	16.7	2.34	20.8	16.0	2.47	19.3	15.4	2.59	17.8	14.7	2.71	16.2	14.1	2.80
	62	21.9	20.8	2.33	20.5	20.0	2.46	19.2	19.2	2.59	18.0	18.0	2.72	16.7	16.7	2.84
	57	21.4	21.4	2.32	20.3	20.3	2.45	19.2	19.2	2.59	18.0	18.0	2.72	16.7	16.7	2.84
900	72	26.7	13.9	2.53	25.2	13.4	2.68	23.5	12.9	2.83	21.8	12.3	2.97	20.0	11.7	3.09
	67	24.4	18.1	2.45	22.9	17.6	2.59	21.3	17.0	2.73	19.6	16.3	2.85	18.0	15.7	2.96
	63††	22.7	17.6	2.39	21.1	16.9	2.52	19.6	16.3	2.65	18.0	15.6	2.76	16.4	14.9	2.86
	62	22.4	22.0	2.39	21.0	21.0	2.52	19.8	19.8	2.66	18.5	18.5	2.79	17.2	17.2	2.91
	57	22.2	22.2	2.38	21.0	21.0	2.52	19.8	19.8	2.66	18.5	18.5	2.79	17.2	17.2	2.91

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling		Indoor Section	Unit Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	0.99	1.00	FC4BNF	024	1.00	1.00
	030	1.01	1.01		030	1.01	1.02
CC5A/CD5AW	030	1.01	1.01	FC4CNF	024	1.00	1.00
CE3AA	024	1.00	1.00		030	1.01	1.02
	030	1.02	1.01	FF1DNA	024	0.97	0.96
CF5AA	024	1.00	1.00		030	1.02	1.00
CK3BA	024	1.00	1.01	FK4CNF	001	1.02	0.91
	030	1.01	1.01		002	1.03	0.91
CK5A/CK5BA	024	1.00	1.00	FK4DNF	001	1.02	0.91
	030	1.01	1.01		002	1.03	0.91
CK5A/CK5BW	024	1.00	1.00	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
	030	1.01	1.01	CC5A/CD5AA	030	1.01	0.93
F(A,B)4AN(F,C)	024	1.00	1.00	CC5A/CD5AW	030	1.01	0.93
	030	1.01	1.00	CE3AA	030	1.01	0.93
F(A,B)4BN(F,C)	024	1.00	1.00	CK3BA	030	1.01	0.93
	030	1.01	1.00	CK5A/CK5BA	030	1.01	0.93
	—	—	—	CK5A/CK5BW	030	1.01	0.93

See notes on page 24.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		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**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
661C030-E, F Outdoor Section With F(A,B)4(A,B)NF030 Indoor Section																
950	72	32.6	16.3	2.90	30.8	15.7	3.09	28.9	15.0	3.27	26.9	14.3	3.44	24.8	13.6	3.60
	67	29.7	20.8	2.83	27.8	20.0	2.99	26.0	19.3	3.16	24.1	18.6	3.31	22.2	17.8	3.46
	63††	27.4	20.1	2.76	25.7	19.3	2.92	23.9	18.6	3.07	22.1	17.8	3.22	20.2	17.0	3.35
	62	26.9	25.0	2.74	25.2	24.1	2.90	23.6	23.2	3.06	22.0	22.0	3.21	20.6	20.6	3.36
	57	26.1	26.1	2.72	24.8	24.8	2.89	23.4	23.4	3.05	22.0	22.0	3.21	20.6	20.6	3.36
1050	72	32.9	16.7	2.94	31.1	16.2	3.13	29.3	15.5	3.32	27.1	14.8	3.49	25.0	14.1	3.6
	67	30.2	21.7	2.87	28.2	20.9	3.04	26.3	20.2	3.21	24.4	19.5	3.36	22.4	18.7	3.51
	63††	27.8	20.9	2.81	26.0	20.2	2.97	24.2	19.4	3.12	22.4	18.6	3.27	20.4	17.8	3.40
	62	27.3	26.1	2.79	25.6	25.2	2.96	24.1	24.0	3.12	22.6	22.6	3.28	21.1	21.1	3.43
	57	26.8	26.8	2.78	25.4	25.4	2.95	24.0	24.0	3.12	22.6	22.6	3.28	21.1	21.1	3.43
1150	72	33.1	17.1	2.99	31.4	16.6	3.18	29.5	16.0	3.36	27.3	15.3	3.54	25.2	14.6	3.7
	67	30.4	22.5	2.91	28.5	21.8	3.09	26.5	21.0	3.26	24.5	20.3	3.41	22.6	19.5	3.56
	63††	28.0	21.7	2.85	26.2	21.0	3.02	24.4	20.2	3.17	22.5	19.4	3.32	20.6	18.6	3.45
	62	27.7	27.1	2.84	26.1	26.0	3.01	24.6	24.6	3.18	23.1	23.1	3.34	21.5	21.5	3.50
	57	27.5	27.5	2.84	26.0	26.0	3.01	24.6	24.6	3.18	23.1	23.1	3.34	21.5	21.5	3.50

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling		Indoor Section	Unit Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	0.99	1.00	FF1DNA	030	1.00	1.00
	036	1.01	1.00	FG3AAA	036	1.00	1.01
CC5A/CD5AW	030	0.99	1.00	FK4CNF	001	1.00	0.92
	036	1.01	1.00		002	1.01	0.93
CE3AA	030	0.99	1.00		003	1.02	0.91
	036	1.00	0.99	FK4DNF	001	1.00	0.92
CF5AA	036	1.00	0.99		002	1.01	0.93
CK3BA	030	0.99	0.99		003	1.02	0.91
	036	1.01	0.99	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	030	0.99	0.99	CC5A/CD5AA	036	1.01	0.92
	036	1.01	0.99	CE3AA	036	0.99	0.92
CK5A/CK5BT	036	1.01	0.99	CK3BA	036	1.01	0.92
CK5A/CK5BW	030	0.99	0.99	CK5A/CK5BA	036	1.01	0.92
	036	1.01	0.99	CK5A/CK5BT	036	1.01	0.92
F(A,B)4AN(F,C)	030	1.00	1.00	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
	036	1.01	1.01	CC5A/CD5AA	036	1.01	0.91
F(A,B)4BN(F,C)	030	1.00	1.00	CC5A/CD5AW	036	1.01	0.91
	036	1.01	1.01	CE3AA	036	1.01	0.92
FC4BNF	030	1.00	1.02	CK3BA	036	1.01	0.91
	036	1.01	1.05	CK5A/CK5BA	036	1.01	0.91
FC4CNF	030	1.00	1.02	CK5A/CK5BW	036	1.01	0.91
	036	1.01	1.05		—	—	—

See notes on page 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**
661C036-D, E, F, G Outdoor Section With F(A,B)4(A,B)N(F,C)036 Indoor Section																
1050	72	39.0	19.2	3.56	37.2	18.5	3.79	35.2	17.8	4.00	33.3	17.1	4.22	31.3	16.5	4.45
	67	35.3	24.3	3.46	33.5	23.5	3.66	31.8	22.8	3.85	29.9	22.1	4.06	28.1	21.4	4.27
	63††	32.7	23.5	3.37	31.0	22.7	3.56	29.2	22.0	3.75	27.5	21.2	3.94	25.7	20.5	4.14
	62	32.0	29.1	3.35	30.4	28.3	3.54	28.8	27.5	3.73	27.2	26.6	3.92	25.6	25.6	4.13
	57	30.9	30.9	3.31	29.6	29.6	3.51	28.3	28.3	3.70	27.0	27.0	3.91	25.6	25.6	4.13
1200	72	39.7	20.1	3.65	37.8	19.4	3.88	35.8	18.7	4.10	33.8	18.0	4.32	31.7	17.3	4.54
	67	36.0	25.8	3.55	34.2	25.1	3.75	32.3	24.3	3.95	30.4	23.6	4.15	28.5	22.9	4.36
	63††	33.3	24.9	3.46	31.6	24.2	3.65	29.8	23.4	3.84	28.0	22.6	4.03	26.2	21.9	4.23
	62	32.8	31.1	3.44	31.1	30.2	3.63	29.6	29.3	3.83	28.0	28.0	4.03	26.6	26.6	4.25
	57	32.2	32.2	3.42	30.8	30.8	3.62	29.4	29.4	3.82	28.0	28.0	4.03	26.5	26.5	4.25
1350	72	40.0	20.8	3.73	38.3	20.3	3.97	36.3	19.6	4.19	34.2	18.9	4.41	32.1	18.2	4.63
	67	36.5	27.3	3.64	34.7	26.5	3.83	32.8	25.8	4.03	30.8	25.0	4.24	28.8	24.2	4.45
	63††	33.8	26.3	3.54	32.0	25.5	3.73	30.2	24.8	3.92	28.3	24.0	4.12	26.4	23.2	4.32
	62	33.5	32.9	3.53	31.8	31.7	3.72	30.3	30.3	3.93	28.8	28.8	4.14	27.3	27.3	4.37
	57	33.2	33.2	3.53	31.8	31.8	3.72	30.3	30.3	3.93	28.8	28.8	4.14	27.3	27.3	4.37

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling Capacity	Cooling Power	Indoor Section	Unit Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	036	1.00	0.97	CK5A/CK5BE	042	1.02	0.95
	042	1.02	0.99	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
CC5A/CD5AW	036	1.00	0.97	CC5A/CD5AA	042	1.01	0.93
	042	1.01	1.00	CE3AA	042	1.02	0.93
CE3AA	036	1.00	0.97	CK3BA	042	1.01	0.93
	042	1.01	0.99	CK5A/CK5BA	042	1.01	0.93
CF5AA	036	1.00	0.97	CK5A/CK5BE	042	1.02	0.93
CK3BA	036	1.00	0.97	CK5A/CK5BT	042	1.01	0.93
	042	1.02	0.99	**COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	036	1.00	0.97	CC5A/CD5AA	042	1.01	0.92
	042	1.02	0.99	CC5A/CD5AW	042	1.00	0.91
CK5A/CK5BT	036	1.00	0.97	CE3AA	042	1.02	0.93
	042	1.02	0.99	CK3BA	042	1.02	0.93
CK5A/CK5BW	036	1.00	0.97	CK5A/CK5BA	042	1.02	0.92
F(A,B)4AN(F,B,C)	042	1.02	0.99	CK5A/CK5BT	042	1.01	0.92
F(A,B)4AN(F,C)	036	1.00	1.00	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
F(A,B)4BN(F,B,C)	042	1.02	0.99	CC5A/CD5AA	042	1.01	0.92
F(A,B)4BN(F,C)	036	1.00	1.00	CC5A/CD5AW	042	1.00	0.92
FC4BN(F,B)	042	1.02	0.99	CE3AA	042	1.02	0.93
FC4BNF	036	1.00	1.00	CK3BA		042	1.01
FC4CN(F,B)	042	1.02	0.99	CK5A/CK5BA	042	1.01	0.93
FC4CNF	036	1.00	1.00	CK5A/CK5BT	042	1.01	0.93
FG3AAA	036	0.99	0.97	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FK4CNF	001	0.99	0.91	CC5A/CD5AA	042	1.01	0.91
	002	0.99	0.91	CC5A/CD5AW	042	1.01	0.92
	003	1.00	0.89	CE3AA	042	1.02	0.92
FK4DNF	001	0.99	0.91	CK3BA	042	1.01	0.92
	002	0.99	0.91	CK5A/CK5BA	042	1.02	0.93
	003	1.00	0.89	CK5A/CK5BT	042	1.02	0.93
COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE					—	—	—
CE3AA	042	1.01	0.94				

See notes on page 24.

DETAILED COOLING CAPACITIES* Continued

EVAPORATOR AIR		CONDENSER ENTERING AIR TEMPERATURES °F														
		85			95			105			115			125		
		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**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
661C042-E, G, H, K Outdoor Section With F(A,B)4(A,B)N(F,B,C)042 Indoor Section																
1225	72	44.6	22.1	4.15	42.9	21.6	4.54	41.1	21.0	4.95	39.1	20.3	5.36	36.8	19.5	5.78
	67	41.7	28.8	4.08	39.9	28.1	4.45	37.9	27.4	4.83	35.7	26.5	5.22	33.5	25.6	5.60
	63††	38.9	28.1	4.01	37.1	27.3	4.36	35.1	26.5	4.72	33.0	25.6	5.09	30.9	24.7	5.45
	62	38.3	34.9	3.99	36.5	34.1	4.34	34.6	33.1	4.70	32.7	32.1	5.07	30.8	30.7	5.45
	57	37.0	37.0	3.95	35.6	35.6	4.31	34.1	34.1	4.68	32.5	32.5	5.06	30.7	30.7	5.45
1400	72	45.2	23.0	4.24	43.5	22.5	4.64	41.7	21.9	5.05	39.6	21.3	5.47	37.3	20.6	5.89
	67	42.4	30.6	4.17	40.5	29.9	4.55	38.5	29.2	4.94	36.3	28.3	5.33	33.9	27.4	5.71
	63††	39.7	29.9	4.11	37.7	29.0	4.46	35.7	28.2	4.83	33.5	27.3	5.20	31.3	26.3	5.56
	62	39.1	37.3	4.09	37.3	36.3	4.45	35.5	35.2	4.82	33.6	33.6	5.20	31.8	31.8	5.59
	57	38.5	38.5	4.08	36.9	36.9	4.44	35.3	35.3	4.81	33.6	33.6	5.20	31.8	31.8	5.59
1575	72	45.7	23.9	4.34	44.0	23.4	4.74	42.1	22.9	5.15	39.9	22.2	5.57	37.6	21.5	5.99
	67	42.7	32.2	4.26	41.0	31.7	4.65	38.9	30.9	5.04	36.7	30.0	5.43	34.3	29.1	5.82
	63††	40.2	31.5	4.21	38.2	30.7	4.56	36.1	29.8	4.93	33.9	28.8	5.30	31.6	27.8	5.67
	62	39.9	39.3	4.20	38.1	38.0	4.56	36.4	36.4	4.93	34.5	34.5	5.33	32.6	32.6	5.72
	57	39.6	39.6	4.19	38.0	38.0	4.56	36.3	36.3	4.94	34.5	34.5	5.33	32.6	32.6	5.72

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling		Indoor Section	Unit Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	042	1.00	0.99	CE3AA	048	1.00	0.93
CC5A/CD5AC	048	1.00	0.99	CK3BA	048	1.00	0.92
CC5A/CD5AW	042	1.00	0.99	CK5A/CK5BA	048	1.00	0.92
	048	1.01	1.00	CK5A/CK5BT	048	1.00	0.92
CD5AA	048	1.01	1.00	**COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE**			
CE3AA	042	1.01	1.00	CC5A/CD5AC	048	0.99	0.91
	048	1.01	0.99	CC5A/CD5AW	048	1.00	0.91
CF5AA	048	1.00	0.98	CD5AA	048	1.00	0.91
CK3BA	042	1.00	0.99	CE3AA	048	1.00	0.92
	048	1.01	1.00	CK3BA	048	1.00	0.91
CK5A/CK5BA	042	1.00	0.99	CK5A/CK5BA	048	1.00	0.91
	048	1.01	1.00	CK5A/CK5BT	048	1.00	0.91
CK5A/CK5BE	042	1.01	1.00	CK5A/CK5BW	048	1.00	0.91
CK5A/CK5BT	042	1.00	0.99	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
	048	1.01	1.00	CC5A/CD5AC	048	0.99	0.91
CK5A/CK5BW	048	1.01	1.00	CC5A/CD5AW	048	1.00	0.91
F(A,B)4AN(F,B,C)	042	1.00	1.00	CD5AA	048	1.00	0.91
	048	1.01	1.00	CE3AA	048	1.00	0.92
F(A,B)4BN(F,B,C)	042	1.00	1.00	CK3BA	048	1.00	0.91
	048	1.01	1.00	CK5A/CK5BA	048	1.00	0.91
FC4BN(F,B)	042	1.00	0.99	CK5A/CK5BT	048	1.00	0.91
	048	1.01	1.00	CK5A/CK5BW	048	1.00	0.91
FC4CN(F,B)	042	1.00	0.99	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
	048	1.01	1.00	CC5A/CD5AC	048	0.99	0.91
FG3AAA	048	1.00	0.98	CC5A/CD5AW	048	1.00	0.91
FK4CNF	003	0.99	0.91	CD5AA	048	1.00	0.91
	005	1.01	0.89	CE3AA	048	1.00	0.92
FK4DNF	003	0.99	0.91	CK3BA	048	1.00	0.91
	005	1.01	0.89	CK5A/CK5BA	048	1.00	0.91
COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE				CK5A/CK5BT	048	1.00	0.91
CC5A/CD5AC	048	0.99	0.92	CK5A/CK5BW	048	1.00	0.91
CD5AA	048	1.00	0.92		—	—	—

See notes on page 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**
661C048-C, E, G, H Outdoor Section With F(A,B)4(A,B)N(F,B)048 Indoor Section																
1400	72	51.17	26.43	4.51	49.25	25.76	4.94	46.90	24.89	5.41	44.32	23.89	5.93	41.67	22.91	6.49
	67	46.86	33.30	4.42	44.51	32.28	4.84	42.19	31.31	5.28	39.87	30.33	5.76	37.35	29.29	6.27
	63††	43.21	32.03	4.34	41.12	31.08	4.71	39.02	30.10	5.16	36.75	29.08	5.63	34.32	28.00	6.11
	62	42.43	39.67	4.31	40.43	38.62	4.69	38.44	37.54	5.14	36.34	36.34	5.62	34.37	34.37	6.12
	57	41.40	41.40	4.28	39.77	39.77	4.67	38.11	38.11	5.13	36.32	36.32	5.62	34.37	34.37	6.12
1650	72	51.74	27.56	4.63	49.99	27.07	5.06	47.74	26.32	5.53	45.14	25.41	6.05	42.38	24.37	6.61
	67	47.78	35.81	4.55	45.50	34.80	4.97	43.00	33.81	5.43	40.56	32.81	5.91	37.91	31.71	6.41
	63††	44.15	34.39	4.46	41.96	33.41	4.86	39.70	32.41	5.29	37.36	31.36	5.77	34.86	30.24	6.25
	62	43.62	42.85	4.46	41.58	41.58	4.85	39.73	39.73	5.30	37.82	37.82	5.79	35.79	35.79	6.30
	57	43.32	43.32	4.45	41.56	41.56	4.85	39.74	39.74	5.30	37.83	37.83	5.79	35.80	35.80	6.30
1800	72	51.89	28.16	4.70	50.26	27.79	5.13	48.09	27.12	5.61	45.46	26.27	6.13	42.45	25.13	6.68
	67	48.13	37.13	4.62	45.88	36.27	5.04	43.37	35.26	5.51	40.85	34.21	5.99	38.17	33.09	6.49
	63††	44.66	35.83	4.54	42.32	34.76	4.94	40.01	33.73	5.37	37.63	32.66	5.84	35.12	31.52	6.33
	62	44.33	44.33	4.54	42.42	42.42	4.95	40.52	40.52	5.40	38.57	38.57	5.89	36.49	36.49	6.41
	57	44.32	44.32	4.54	42.42	42.42	4.95	40.53	40.53	5.40	38.57	38.57	5.89	36.49	36.49	6.41

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling Capacity	Cooling Power	Indoor Section	Unit Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	060	0.99	0.98	FK4DNB	006	1.03	0.90
CC5A/CD5AC	048	0.96	0.96	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
CC5A/CD5AW	048	0.99	0.99	CE3AA	060	1.00	0.93
	060	1.01	0.98	**COILS + 315(A,J)AV060110 VARIABLE-SPEED FURNACE**			
CD5AA	048	0.99	0.98	CC5A/CD5AA	060	0.97	0.92
CE3AA	048	0.99	0.97	CE3AA	060	1.00	0.93
	060	1.01	0.98	CK3BA	060	1.00	0.93
CF5AA	048	0.98	0.96	CK5A/CK5BA	060	1.00	0.93
CK3BA	048	0.99	0.98	CK5A/CK5BT	060	1.00	0.93
	060	0.99	0.96	CK5A/CK5BX	060	1.01	0.93
CK5A/CK5BA	048	0.99	0.98	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
	060	0.99	0.96	CC5A/CD5AA	060	0.98	0.92
CK5A/CK5BT	048	0.99	0.98	CE3AA	060	1.00	0.92
	060	0.99	0.96	CK3BA	060	1.00	0.92
CK5A/CK5BW	048	0.99	0.98	CK5A/CK5BA	060	1.00	0.91
CK5A/CK5BX	060	1.01	0.97	CK5A/CK5BT	060	1.00	0.92
F(A,B)4BN(F,B,C)	048	1.00	1.00	CK5A/CK5BX	060	1.01	0.92
	060	1.02	1.02	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FB4BNB	070	1.03	1.00	CC5A/CD5AA	060	0.98	0.91
FC4CN(F,B)	048	1.01	1.01	CE3AA	060	1.00	0.91
	060	1.02	1.01	CK3BA	060	1.00	0.91
FC4CNB	070	1.03	0.99	CK5A/CK5BA	060	1.00	0.91
FG3AAA	048	0.98	0.98	CK5A/CK5BT	060	1.00	0.91
FK4DNF	005	1.01	0.91	CK5A/CK5BX	060	1.01	0.91
CC5A/CD5AA	060	0.99	0.98	FK4DNB	006	1.03	0.90

See notes on page 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**
661C060-C, E, G, H Outdoor Section With F(A,B)4(A,B)N(F,B)060 Indoor Section																
1800	72	63.8	31.9	5.67	60.9	30.9	6.17	57.9	29.9	6.70	54.8	28.8	7.29	51.6	27.7	7.93
	67	58.2	41.1	5.55	55.5	40.0	6.03	52.6	38.8	6.57	49.8	37.7	7.15	46.8	36.6	7.78
	63††	54.1	39.8	5.46	51.5	38.7	5.94	48.9	37.6	6.47	46.1	36.4	7.04	43.2	35.2	7.66
	62	53.2	49.8	5.44	50.7	48.6	5.93	48.3	47.3	6.45	45.8	45.7	7.03	43.4	43.4	7.67
	57	52.0	52.0	5.42	50.0	50.0	5.91	48.0	48.0	6.45	45.8	45.8	7.03	43.4	43.4	7.67
2000	72	64.4	33.1	5.79	61.5	32.1	6.29	58.4	31.0	6.82	55.3	29.9	7.41	51.9	28.8	8.05
	67	58.8	43.1	5.67	56.0	42.0	6.15	53.2	40.9	6.68	50.2	39.7	7.26	47.1	38.5	7.89
	63††	54.7	41.7	5.58	52.1	40.6	6.06	49.3	39.4	6.58	46.6	38.3	7.16	43.6	37.0	7.78
	62	54.0	52.4	5.56	51.6	51.0	6.04	49.2	49.2	6.58	46.9	46.9	7.17	44.5	44.5	7.81
	57	53.5	53.5	5.55	51.4	51.4	6.04	49.2	49.2	6.58	46.9	46.9	7.17	44.5	44.5	7.81
2200	72	64.9	34.2	5.90	62.0	33.2	6.40	58.9	32.1	6.94	55.6	31.0	7.53	52.2	29.9	8.17
	67	59.3	45.0	5.78	56.5	43.9	6.26	53.6	42.8	6.79	50.6	41.6	7.38	47.4	40.4	8.01
	63††	55.1	43.5	5.69	52.4	42.4	6.17	49.7	41.2	6.70	46.9	40.0	7.27	43.9	38.7	7.89
	62	54.8	54.5	5.68	52.6	52.6	6.17	50.3	50.3	6.71	47.9	47.9	7.30	45.4	45.4	7.94
	57	54.7	54.7	5.68	52.5	52.5	6.17	50.3	50.3	6.71	47.9	47.9	7.30	45.4	45.4	7.94

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Cooling		Indoor Section	Unit Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.96	0.94	CK3BA	060	0.98	0.93
CC5A/CD5AW	060	0.99	0.96	CK5A/CK5BA	060	0.98	0.93
CE3AA	060	1.00	0.96	CK5A/CK5BT	060	0.98	0.93
CK3BA	060	0.96	0.92	CK5A/CK5BX	060	1.00	0.92
CK5A/CK5BA	060	0.96	0.92	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
CK5A/CK5BT	060	0.96	0.92	CC5A/CD5AA	060	0.96	0.92
CK5A/CK5BX	060	0.99	0.95	CC5A/CD5AW	060	0.98	0.92
F(A,B)4AN(F,B,C)	060	1.00	1.00	CE3AA	060	0.99	0.92
F(A,B)4BN(F,B,C)	060	1.00	1.00	CK3BA	060	0.98	0.93
FB4ANB	070	1.01	1.01	CK5A/CK5BA	060	0.98	0.93
FB4BNB	070	1.01	1.01	CK5A/CK5BT	060	0.98	0.94
FC4BN(F,B)	060	1.00	0.96	CK5A/CK5BX	060	1.00	0.92
FC4BNB	070	1.01	1.01	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FC4CN(F,B)	060	1.00	0.96	CC5A/CD5AA	060	0.96	0.91
FC4CNB	070	1.01	1.01	CC5A/CD5AW	060	0.98	0.92
FG3AAA	060	0.97	0.94	CE3AA	060	0.99	0.91
FK4CNB	006	1.00	0.94	CK3BA	060	0.98	0.93
FK4DNB	006	1.00	0.94	CK5A/CK5BA	060	0.98	0.93
COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE				CK5A/CK5BT	060	0.98	0.93
CC5A/CD5AA	060	0.96	0.92	CK5A/CK5BX	060	1.00	0.91
CE3AA	060	0.99	0.92		—	—	—

NOTE: When the required data fall 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†
661C018-D, E, F Outdoor Section With F(A,B)4(A,B)NF018 Indoor Section																								
65	600	7.22	6.65	1.27	8.97	8.24	1.35	10.9	9.92	1.43	12.9	11.5	1.50	15.2	13.9	1.59	17.7	17.7	1.69	20.8	20.8	1.83	23.8	23.8	1.98
	650	7.31	6.73	1.29	9.07	8.33	1.37	11.0	10.0	1.44	13.1	11.6	1.51	15.4	14.0	1.60	17.9	17.9	1.70	21.0	21.0	1.83	24.0	24.0	1.99
	700	7.40	6.81	1.31	9.16	8.42	1.38	11.1	10.1	1.45	13.2	11.7	1.53	15.5	14.1	1.61	18.0	18.0	1.71	21.1	21.1	1.84	24.2	24.2	2.00
70	600	6.96	6.40	1.29	8.69	7.99	1.37	10.6	9.65	1.45	12.6	11.2	1.53	14.9	13.5	1.62	17.3	17.3	1.72	20.3	20.3	1.86	23.4	23.4	2.02
	650	7.05	6.48	1.31	8.79	8.08	1.39	10.7	9.76	1.46	12.7	11.3	1.54	15.0	13.7	1.63	17.5	17.5	1.73	20.5	20.5	1.87	23.6	23.6	2.02
	700	7.13	6.56	1.32	8.88	8.16	1.40	10.8	9.85	1.48	12.9	11.4	1.56	15.2	13.8	1.64	17.6	17.6	1.74	20.7	20.7	1.88	23.7	23.7	2.03
75	600	6.67	6.14	1.30	8.41	7.73	1.39	10.3	9.38	1.48	12.3	10.9	1.56	14.5	13.2	1.66	16.9	16.9	1.76	19.9	19.9	1.90	22.9	22.9	2.05
	650	6.76	6.22	1.32	8.51	7.82	1.41	10.4	9.48	1.49	12.4	11.0	1.57	14.7	13.4	1.67	17.1	17.1	1.77	20.1	20.1	1.91	23.1	23.1	2.06
	700	6.85	6.30	1.34	8.61	7.91	1.42	10.5	9.58	1.50	12.5	11.1	1.59	14.8	13.5	1.68	17.3	17.3	1.78	20.2	20.2	1.91	23.3	23.3	2.07

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	018	0.97	0.99	FC4BNF	024	1.03	0.98
	024	1.00	0.97	FC4CNF	024	1.03	0.98
CE3AA	024	1.00	0.97	FF1DNA	018	1.00	0.99
CF5AA	024	1.00	0.97		024	1.01	0.95
CK3BA	024	1.00	0.95	FG3AAA	024	0.96	0.94
CK5A/CK5BA	018	0.97	0.96	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
	024	1.00	0.95	CC5A/CD5AA	024	0.97	0.95
CK5A/CK5BW	024	1.00	0.95	CC5A/CD5AW	024	0.97	0.95
F(A,B)4AN(F,C)	018	1.00	1.00	CE3AA	024	0.97	0.95
	024	1.03	0.99	CK3BA	024	0.97	0.90
F(A,B)4BN(F,C)	018	1.00	1.00	CK5A/CK5BA	024	0.97	0.90
	024	1.03	0.99	CK5A/CK5BW	024	0.97	0.90

See notes on page 31.

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†
661C024-D, E, F Outdoor Section With F(A,B)4(A,B)NF024 Indoor Section																									
65	700	9.37	8.62	1.56	11.7	10.8	1.66	14.2	12.9	1.75	16.8	14.9	1.84	19.6	17.8	1.92	22.7	22.7	2.02	26.6	26.6	2.17	30.2	30.2	2.28
	800	9.59	8.82	1.59	11.9	11.0	1.69	14.5	13.2	1.77	17.1	15.2	1.86	19.9	18.1	1.94	23.2	23.2	2.04	27.1	27.1	2.17	30.3	30.3	2.25
	900	9.79	9.00	1.63	12.2	11.2	1.72	14.7	13.4	1.80	17.4	15.4	1.88	20.2	18.4	1.96	23.5	23.5	2.05	27.4	27.4	2.16	30.2	30.2	2.23
70	700	8.87	8.16	1.57	11.3	10.4	1.67	13.7	12.5	1.77	16.3	14.5	1.86	19.1	17.4	1.96	22.2	22.2	2.06	26.0	26.0	2.20	29.8	29.8	2.34
	800	9.11	8.38	1.60	11.5	10.6	1.70	14.0	12.8	1.80	16.6	14.8	1.89	19.5	17.7	1.98	22.6	22.6	2.07	26.5	26.5	2.21	29.9	29.9	2.30
	900	9.31	8.56	1.64	11.7	10.8	1.73	14.2	13.0	1.83	16.9	15.0	1.91	19.7	18.0	1.99	22.9	22.9	2.09	26.9	26.9	2.21	30.0	30.0	2.30
75	700	8.34	7.67	1.57	10.8	9.95	1.68	13.3	12.1	1.79	15.8	14.1	1.89	18.6	16.9	1.99	21.6	21.6	2.10	25.3	25.3	2.24	29.0	29.0	2.38
	800	8.58	7.89	1.61	11.1	10.2	1.71	13.5	12.3	1.82	16.1	14.3	1.91	19.0	17.3	2.01	22.0	22.0	2.11	25.8	25.8	2.25	29.4	29.4	2.36
	900	8.78	8.07	1.64	11.3	10.4	1.75	13.8	12.6	1.85	16.4	14.6	1.94	19.3	17.5	2.03	22.4	22.4	2.12	26.2	26.2	2.26	29.7	29.7	2.36

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	024	1.00	1.03	FC4BNF	024	1.00	1.00
	030	1.00	1.03		030	1.00	0.99
CC5A/CD5AW	030	1.00	1.03	FC4CNF	024	1.00	1.00
CE3AA	024	1.00	1.02		030	1.00	0.99
	030	1.00	0.99	FF1DNA	024	1.00	1.01
CF5AA	024	1.00	1.02		030	1.00	0.99
CK3BA	024	1.00	0.99	FK4CNF	001	0.96	0.91
	030	1.00	1.01		002	0.92	0.87
CK5A/CK5BA	024	1.00	1.00	FK4DNF	001	0.96	0.91
	030	1.00	1.01		002	0.92	0.87
CK5A/CK5BW	024	1.00	1.00	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
	030	1.00	1.01	CC5A/CD5AA	030	0.90	0.90
F(A,B)4AN(F,C)	024	1.00	1.00	CC5A/CD5AW	030	0.90	0.90
	030	1.00	0.99	CE3AA	030	0.92	0.89
F(A,B)4BN(F,C)	024	1.00	1.00	CK3BA	030	0.92	0.88
	030	1.00	0.99	CK5A/CK5BA	030	0.92	0.88
	—	—	—	CK5A/CK5BW	030	0.92	0.88

See notes on page 31.

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†
661C030-E, F Outdoor Section With F(A,B)4(A,B)NF030 Indoor Section																									
65	950	11.7	10.8	2.04	14.7	13.5	2.15	17.8	16.3	2.26	21.3	18.9	2.37	25.1	22.8	2.49	29.3	29.3	2.62	34.7	34.7	2.81	40.1	40.1	3.01
	1050	11.9	11.0	2.07	14.9	13.7	2.18	18.1	16.5	2.29	21.5	19.1	2.40	25.4	23.1	2.51	29.7	29.7	2.64	35.2	35.2	2.82	40.7	40.7	3.02
	1150	12.1	11.2	2.11	15.1	13.9	2.21	18.3	16.7	2.32	21.8	19.4	2.42	25.7	23.4	2.53	30.0	30.0	2.65	35.6	35.6	2.83	41.1	41.1	3.02
70	950	11.2	10.3	2.06	14.3	13.1	2.17	17.4	15.8	2.30	20.7	18.4	2.41	24.5	22.3	2.54	28.6	28.6	2.68	33.9	33.9	2.87	39.2	39.2	3.07
	1050	11.4	10.5	2.09	14.5	13.3	2.21	17.6	16.0	2.32	21.0	18.7	2.44	24.8	22.6	2.56	29.0	29.0	2.69	34.4	34.4	2.87	39.8	39.8	3.07
	1150	11.6	10.7	2.13	14.7	13.5	2.24	17.8	16.2	2.35	21.3	18.9	2.46	25.1	22.8	2.58	29.3	29.3	2.71	34.8	34.8	2.89	40.3	40.3	3.08
75	950	10.6	9.78	2.07	13.7	12.6	2.20	16.9	15.4	2.33	20.2	17.9	2.45	23.9	21.8	2.59	27.9	27.9	2.73	33.1	33.1	2.92	38.3	38.3	3.12
	1050	10.8	9.97	2.11	14.0	12.8	2.23	17.1	15.6	2.35	20.5	18.2	2.48	24.2	22.1	2.61	28.3	28.3	2.74	33.6	33.6	2.93	38.9	38.9	3.13
	1150	11.0	10.1	2.14	14.2	13.0	2.26	17.3	15.8	2.39	20.7	18.4	2.50	24.5	22.3	2.63	28.7	28.7	2.76	34.0	34.0	2.94	39.4	39.4	3.14

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	030	0.99	1.01	FF1DNA	030	1.00	0.99
	036	1.01	0.99	FG3AAA	036	1.00	1.00
CC5A/CD5AW	030	0.99	1.01	FK4CNF	001	0.97	0.94
	036	1.01	0.99		002	0.97	0.92
CE3AA	030	1.00	1.00		003	0.97	0.90
	036	1.00	1.00	FK4DNF	001	0.97	0.94
CF5AA	036	1.00	0.99		002	0.97	0.92
CK3BA	030	0.99	0.99		003	0.97	0.90
	036	1.01	0.98	**COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	030	0.99	0.99	CC5A/CD5AA	036	0.94	0.91
	036	1.01	0.98	CE3AA	036	0.94	0.93
CK5A/CK5BT	036	1.01	0.98	CK3BA	036	0.94	0.90
CK5A/CK5BW	030	0.99	0.99	CK5A/CK5BA	036	0.94	0.90
	036	1.01	0.98	CK5A/CK5BT	036	0.94	0.90
F(A,B)4AN(F,C)	030	1.00	1.00	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
	036	1.01	1.01	CC5A/CD5AA	036	0.94	0.90
F(A,B)4BN(F,C)	030	1.00	1.00	CC5A/CD5AW	036	0.94	0.90
	036	1.01	1.01	CE3AA	036	0.94	0.92
FC4BNF	030	1.00	1.00	CK3BA	036	0.94	0.89
	036	1.01	1.01	CK5A/CK5BA	036	0.94	0.89
FC4CNF	030	1.00	1.00	CK5A/CK5BW	036	0.94	0.89
	036	1.01	1.01		—	—	—

See notes on page 31.

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†
661C036-D, E, F, G Outdoor Section With F(A,B)4(A,B)N(F,C)036 Indoor Section																									
65	1050	13.7	12.6	2.32	17.4	16.0	2.50	21.3	19.4	2.69	25.3	22.5	2.87	30.0	27.3	3.09	35.2	35.2	3.33	40.6	40.6	3.60	46.9	46.9	3.96
	1200	14.0	12.9	2.37	17.7	16.3	2.55	21.7	19.8	2.74	25.8	22.9	2.91	30.5	27.8	3.12	35.7	35.7	3.35	41.2	41.2	3.63	47.6	47.6	3.98
	1350	14.4	13.2	2.44	18.0	16.6	2.61	22.0	20.1	2.79	26.1	23.2	2.96	30.9	28.2	3.16	36.2	36.2	3.39	41.7	41.7	3.66	48.1	48.1	4.01
70	1050	13.0	12.0	2.33	16.8	15.5	2.52	20.7	18.9	2.72	24.7	21.9	2.92	29.4	26.7	3.14	34.5	34.5	3.40	39.9	39.9	3.68	46.0	46.0	4.04
	1200	13.4	12.3	2.39	17.2	15.8	2.58	21.1	19.3	2.77	25.2	22.3	2.96	29.9	27.2	3.18	35.0	35.0	3.42	40.5	40.5	3.70	46.7	46.7	4.06
	1350	13.7	12.6	2.45	17.5	16.1	2.64	21.5	19.6	2.83	25.6	22.7	3.01	30.3	27.6	3.22	35.5	35.5	3.46	41.0	41.0	3.73	47.3	47.3	4.08
75	1050	12.3	11.4	2.34	16.3	15.0	2.54	20.2	18.4	2.75	24.1	21.4	2.96	28.7	26.1	3.20	33.8	33.8	3.46	39.2	39.2	3.76	45.2	45.2	4.12
	1200	12.7	11.7	2.40	16.6	15.3	2.60	20.6	18.7	2.81	24.6	21.8	3.01	29.2	26.6	3.24	34.4	34.4	3.49	39.8	39.8	3.78	45.9	45.9	4.14
	1350	13.0	12.0	2.46	17.0	15.6	2.66	20.9	19.1	2.86	25.0	22.2	3.06	29.7	27.0	3.28	34.8	34.8	3.53	40.3	40.3	3.81	46.4	46.4	4.16

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	1.00	0.98	CK5A/CK5BE	042	0.98	0.92
	042	1.00	0.98	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
CC5A/CD5AW	036	1.00	0.98	CC5A/CD5AA	042	0.97	0.92
	042	1.00	0.99	CE3AA	042	0.97	0.92
CE3AA	036	0.99	0.99	CK3BA	042	0.97	0.92
	042	1.00	0.97	CK5A/CK5BA	042	0.97	0.92
CF5AA	036	0.99	0.98	CK5A/CK5BE	042	0.97	0.91
CK3BA	036	1.00	0.97	CK5A/CK5BT	042	0.97	0.92
	042	1.00	0.97	**COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE**			
CK5A/CK5BA	036	1.00	0.97	CC5A/CD5AA	042	0.96	0.91
	042	1.00	0.97	CC5A/CD5AW	042	0.96	0.92
CK5A/CK5BT	036	1.00	0.97	CE3AA	042	0.97	0.92
	042	1.00	0.97	CK3BA	042	0.97	0.91
CK5A/CK5BW	036	1.00	0.97	CK5A/CK5BA	042	0.97	0.91
F(A,B)4AN(F,B,C)	042	1.01	0.99	CK5A/CK5BT	042	0.97	0.91
F(A,B)4AN(F,C)	036	1.00	1.00	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
F(A,B)4BN(F,B,C)	042	1.01	0.99	CC5A/CD5AA	042	0.97	0.92
F(A,B)4BN(F,C)	036	1.00	1.00	CC5A/CD5AW	042	0.96	0.92
FC4BN(F,B)	042	1.01	0.99	CE3AA	042	0.97	0.92
FC4BNF	036	1.00	1.00	CK3BA	042	0.97	0.92
FC4CN(F,B)	042	1.01	0.99	CK5A/CK5BA	042	0.97	0.92
FC4CNF	036	1.00	1.00	CK5A/CK5BT	042	0.97	0.92
FG3AAA	036	0.97	0.97	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FK4CNF	001	0.97	0.94	CC5A/CD5AA	042	0.96	0.91
	002	0.97	0.92	CC5A/CD5AW	042	0.96	0.92
	003	0.97	0.91	CE3AA	042	0.97	0.92
FK4DNF	001	0.97	0.94	CK3BA	042	0.97	0.91
	002	0.97	0.92	CK5A/CK5BA	042	0.97	0.91
	003	0.97	0.91	CK5A/CK5BT	042	0.97	0.91
COILS + 315(A,J)AV036070 VARIABLE-SPEED FURNACE					—	—	—
CE3AA	042	0.97	0.93				

See notes on page 31.

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†
661C042-E, G, H, K Outdoor Section With F(A,B)4(A,B)N(F,B,C)042 Indoor Section																								
65	1225	18.8	17.3	2.91	22.7	20.9	3.13	27.0	24.6	3.36	31.3	27.8	3.57	36.3	33.0	3.82	41.8	41.8	4.11	48.1	48.1	4.46	55.1	55.1	4.90
	1400	19.1	17.6	2.97	23.1	21.2	3.18	27.3	24.9	3.39	31.7	28.1	3.60	36.8	33.5	3.83	42.4	42.4	4.11	48.7	48.7	4.45	55.8	55.8	4.87
	1575	19.5	17.9	3.04	23.4	21.5	3.24	27.7	25.3	3.44	32.0	28.5	3.63	37.2	33.8	3.86	42.8	42.8	4.13	49.2	49.2	4.46	56.3	56.3	4.87
70	1225	18.3	16.8	2.97	22.3	20.5	3.22	26.5	24.2	3.46	30.9	27.4	3.70	35.8	32.6	3.96	41.3	41.3	4.26	47.4	47.4	4.62	54.3	54.3	5.07
	1400	18.6	17.1	3.04	22.7	20.8	3.27	26.9	24.5	3.50	31.3	27.8	3.72	36.3	33.0	3.97	41.8	41.8	4.26	48.0	48.0	4.61	55.0	55.0	5.04
	1575	19.0	17.5	3.10	23.0	21.1	3.33	27.3	24.9	3.55	31.6	28.1	3.76	36.7	33.4	4.00	42.3	42.3	4.27	48.6	48.6	4.61	55.6	55.6	5.04
75	1225	17.6	16.2	3.03	21.8	20.1	3.30	26.1	23.8	3.56	30.4	27.0	3.82	35.4	32.2	4.10	40.7	40.7	4.41	46.8	46.8	4.79	53.5	53.5	5.24
	1400	18.1	16.6	3.10	22.2	20.4	3.35	26.5	24.1	3.60	30.8	27.4	3.84	35.8	32.6	4.11	41.3	41.3	4.41	47.4	47.4	4.77	54.2	54.2	5.21
	1575	18.4	16.9	3.16	22.6	20.7	3.41	26.9	24.5	3.65	31.2	27.7	3.88	36.2	33.0	4.13	41.8	41.8	4.42	47.9	47.9	4.77	54.8	54.8	5.21

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	042	1.00	1.01	CD5AA	048	0.98	0.95
CC5A/CD5AC	048	1.00	1.03	CE3AA	048	0.98	0.95
CC5A/CD5AW	042	1.00	1.01	CK3BA	048	0.98	0.93
	048	1.00	0.99	CK5A/CK5BA	048	0.98	0.93
CD5AA	048	1.00	0.99	CK5A/CK5BT	048	0.98	0.93
CE3AA	042	1.00	0.99	**COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE**			
	048	1.00	0.98	CC5A/CD5AC	048	0.96	0.99
CF5AA	048	1.00	1.00	CC5A/CD5AW	048	0.98	0.95
CK3BA	042	1.00	0.99	CD5AA	048	0.98	0.95
	048	1.00	0.97	CE3AA	048	0.98	0.94
CK5A/CK5BA	042	1.00	0.99	CK3BA	048	0.98	0.93
	048	1.00	0.97	CK5A/CK5BA	048	0.98	0.93
CK5A/CK5BE	042	0.98	0.95	CK5A/CK5BT	048	0.98	0.93
CK5A/CK5BT	042	1.00	0.99	CK5A/CK5BW	048	0.98	0.93
	048	1.00	0.97	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
CK5A/CK5BW	048	1.00	0.97	CC5A/CD5AC	048	0.96	0.99
F(A,B)4AN(F,B,C)	042	1.00	1.00	CC5A/CD5AW	048	0.98	0.95
	048	1.00	0.97	CD5AA	048	0.98	0.95
F(A,B)4BN(F,B,C)	042	1.00	1.00	CE3AA	048	0.98	0.94
	048	1.00	0.97	CK3BA	048	0.98	0.93
FC4BN(F,B)	042	1.00	1.00	CK5A/CK5BA	048	0.98	0.93
	048	1.00	0.97	CK5A/CK5BT	048	0.98	0.93
FC4CN(F,B)	042	1.00	1.00	CK5A/CK5BW	048	0.98	0.93
	048	1.00	0.97	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FG3AAA	048	1.00	0.98	CC5A/CD5AC	048	0.96	0.99
FK4CNF	003	0.99	0.96	CC5A/CD5AW	048	0.98	0.95
	005	0.98	0.88	CD5AA	048	0.98	0.95
FK4DNF	003	0.99	0.96	CE3AA	048	0.98	0.94
	005	0.98	0.88	CK3BA	048	0.98	0.93
COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE				CK5A/CK5BA	048	0.98	0.93
CC5A/CD5AC	048	0.96	1.00	CK5A/CK5BT	048	0.98	0.93
	—	—	—	CK5A/CK5BW	048	0.98	0.93

See notes on page 31.

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†
661C048-C, E, G, H Outdoor Section With F(A,B)4BN(F,B,C)048 Indoor Section																									
65	1400	19.99	18.39	3.08	24.40	22.42	3.25	28.92	26.37	3.41	34.29	30.45	3.63	40.27	36.64	3.87	46.84	46.84	4.16	54.55	54.55	4.53	63.54	63.54	5.00
	1650	20.43	18.80	3.15	24.86	22.84	3.30	29.46	26.86	3.45	34.85	30.95	3.65	40.87	37.19	3.88	47.52	47.52	4.15	55.35	55.35	4.50	64.16	64.16	4.89
	1800	20.68	19.02	3.19	25.11	23.07	3.33	29.74	27.12	3.48	35.14	31.21	3.67	41.19	37.48	3.90	47.85	47.85	4.16	55.75	55.75	4.51	63.79	63.79	4.81
70	1400	19.56	17.99	3.19	24.03	22.08	3.38	28.75	26.22	3.56	33.90	30.10	3.77	39.81	36.22	4.03	46.31	46.31	4.32	53.92	53.92	4.70	62.67	62.67	5.18
	1650	20.00	18.40	3.26	24.50	22.51	3.43	29.02	26.46	3.58	34.44	30.58	3.79	40.42	36.79	4.03	47.00	47.00	4.30	54.73	54.73	4.66	63.75	63.75	5.13
	1800	20.26	18.64	3.30	24.76	22.75	3.46	29.30	26.72	3.61	34.73	30.84	3.81	40.75	37.08	4.05	47.35	47.35	4.32	55.12	55.12	4.67	63.82	63.82	5.05
75	1400	19.09	17.57	3.31	23.62	21.71	3.51	28.42	25.91	3.71	33.51	29.76	3.93	39.35	35.81	4.19	45.79	45.79	4.50	53.31	53.31	4.89	62.02	62.02	5.38
	1650	19.55	17.99	3.37	24.10	22.15	3.56	28.90	26.35	3.74	34.04	30.24	3.94	39.95	36.35	4.19	46.48	46.48	4.47	54.12	54.12	4.84	63.03	63.03	5.31
	1800	19.81	18.23	3.42	24.36	22.39	3.59	29.16	26.59	3.77	34.33	30.49	3.96	40.27	36.65	4.20	46.84	46.84	4.48	54.51	54.51	4.84	63.38	63.38	5.28

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.99	1.03	FK4DNB	006	0.98	0.89
CC5A/CD5AC	048	0.98	1.07	**COILS + 315(A,J)AV048090 VARIABLE-SPEED FURNACE**			
CC5A/CD5AW	048	0.99	1.02	CE3AA	060	0.96	0.96
	060	1.00	0.99	**COILS + 315(A,J)AV060110 VARIABLE-SPEED FURNACE**			
CD5AA	048	0.99	1.01	CC5A/CD5AA	060	0.96	1.01
CE3AA	048	1.00	1.02	CE3AA	060	0.96	0.96
	060	1.00	1.00	CK3BA	060	0.97	0.94
CF5AA	048	0.99	1.07	CK5A/CK5BA	060	0.97	0.94
CK3BA	048	0.99	1.00	CK5A/CK5BT	060	0.97	0.94
	060	0.99	0.96	CK5A/CK5BX	060	0.97	0.94
CK5A/CK5BA	048	0.99	1.00	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
	060	0.99	0.96	CC5A/CD5AA	060	0.96	1.01
CK5A/CK5BT	048	0.99	1.00	CE3AA	060	0.96	0.95
	060	0.99	0.96	CK3BA	060	0.97	0.93
CK5A/CK5BW	048	0.99	1.00	CK5A/CK5BA	060	0.97	0.93
CK5A/CK5BX	060	1.00	0.97	CK5A/CK5BT	060	0.97	0.93
F(A,B)4BN(F,B,C)	048	1.00	1.00	CK5A/CK5BX	060	0.97	0.93
	060	1.00	0.99	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FB4BNB	070	1.00	0.97	CC5A/CD5AA	060	0.96	1.00
FC4CN(F,B)	048	1.00	1.00	CE3AA	060	0.96	0.95
	060	1.00	0.99	CK3BA	060	0.97	0.92
FC4CNB	070	1.00	0.98	CK5A/CK5BA	060	0.97	0.92
FG3AAA	048	1.00	1.01	CK5A/CK5BT	060	0.97	0.92
FK4DNF	005	0.98	0.93	CK5A/CK5BX	060	0.98	0.93

See notes on page 31.

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†
661C060-C, E, G, H Outdoor Section With F(A,B)4(A,B)N(F,B)060 Indoor Section																									
65	1800	30.0	27.6	4.24	34.6	31.8	4.37	39.4	36.0	4.51	44.9	39.9	4.67	50.7	46.2	4.85	58.1	58.1	5.12	66.6	66.6	5.47	71.9	71.9	5.69
	2000	30.4	27.9	4.31	35.0	32.2	4.43	39.9	36.3	4.55	45.4	40.3	4.70	51.2	46.6	4.88	58.7	58.7	5.13	66.4	66.4	5.42	71.1	71.1	5.61
	2200	30.8	28.3	4.38	35.4	32.5	4.49	40.2	36.7	4.60	45.8	40.7	4.74	51.7	47.0	4.91	59.2	59.2	5.16	66.2	66.2	5.40	70.4	70.4	5.57
70	1800	29.4	27.1	4.38	34.3	31.5	4.54	39.1	35.6	4.68	44.5	39.5	4.85	50.2	45.7	5.05	57.4	57.4	5.32	66.1	66.1	5.70	72.1	72.1	5.97
	2000	29.9	27.5	4.45	34.7	31.9	4.59	39.5	36.0	4.72	44.9	39.9	4.88	50.7	46.1	5.07	58.0	58.0	5.33	66.3	66.3	5.66	70.9	70.9	5.84
	2200	30.3	27.9	4.52	35.1	32.2	4.65	39.9	36.4	4.78	45.4	40.3	4.93	51.2	46.5	5.10	58.5	58.5	5.36	66.1	66.1	5.63	69.9	69.9	5.78
75	1800	28.9	26.5	4.53	33.9	31.2	4.71	38.7	35.3	4.87	44.1	39.2	5.05	49.7	45.2	5.25	56.8	56.8	5.54	65.5	65.5	5.94	72.2	72.2	6.26
	2000	29.3	27.0	4.59	34.3	31.5	4.76	39.2	35.7	4.91	44.5	39.5	5.08	50.2	45.7	5.27	57.3	57.3	5.54	66.1	66.1	5.93	72.3	72.3	6.20
	2200	29.8	27.4	4.66	34.7	31.9	4.82	39.5	36.0	4.96	44.9	39.9	5.11	50.6	46.1	5.30	57.8	57.8	5.56	66.0	66.0	5.88	70.8	70.8	6.08

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Unit Size	Heating		Indoor Section	Unit Size	Heating	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.97	1.04	CK3BA	060	0.97	0.94
CC5A/CD5AW	060	0.97	0.98	CK5A/CK5BA	060	0.97	0.94
CE3AA	060	0.97	0.97	CK5A/CK5BT	060	0.97	0.94
CK3BA	060	0.97	1.00	CK5A/CK5BX	060	0.97	0.94
CK5A/CK5BA	060	0.97	1.00	**COILS + 315(A,J)AV066135 VARIABLE-SPEED FURNACE**			
CK5A/CK5BT	060	0.97	1.00	CC5A/CD5AA	060	0.96	1.02
CK5A/CK5BX	060	0.97	0.96	CC5A/CD5AW	060	0.95	0.94
F(A,B)4AN(F,B,C)	060	1.00	1.00	CE3AA	060	0.97	0.97
F(A,B)4BN(F,B,C)	060	1.00	1.00	CK3BA	060	0.97	0.94
FB4ANB	070	0.98	0.94	CK5A/CK5BA	060	0.97	0.94
FB4BNB	070	0.98	0.94	CK5A/CK5BT	060	0.97	0.94
FC4BN(F,B)	060	1.00	1.00	CK5A/CK5BX	060	0.97	0.94
FC4BNB	070	0.98	0.94	**COILS + 315(A,J)AV066155 VARIABLE-SPEED FURNACE**			
FC4CN(F,B)	060	1.00	1.00	CC5A/CD5AA	060	0.96	1.01
FC4CNB	070	0.98	0.94	CC5A/CD5AW	060	0.95	0.94
FG3AAA	060	0.97	0.99	CE3AA	060	0.97	0.97
FK4CNB	006	0.91	0.90	CK3BA	060	0.97	0.94
FK4DNB	006	0.91	0.90	CK5A/CK5BA	060	0.97	0.94
COILS + 315(A,J)AV066110 VARIABLE-SPEED FURNACE				CK5A/CK5BT	060	0.97	0.94
CC5A/CD5AA	060	0.96	1.02	CK5A/CK5BX	060	0.97	0.94
CE3AA	060	0.97	0.97		—	—	—

NOTE: When the required data fall 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 between 50 and 175 ft, consult the Residential Split-System Long-Line Application Guideline available from equipment distributor.
9. If any refrigerant tubing is buried, provide a minimum 6-in. vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. may be buried without further consideration. For buried refrigerant tubing lengths greater than 36 in., 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.

GENERAL

System Description

Outdoor-mounted, air-cooled, split-system air conditioner 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 150 psig and pressure tested at 300 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 air conditioner unit. Contained within the unit enclosure will be all factory wiring, piping, controls, compressor, refrigerant charge (R-22), 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-line shutoff valve with sweat connections, suction tube shutoff valves with sweat connections, system charge of R-22 (R-410A) refrigerant, and compressor oil.

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, 1 single 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.

bryant®
Heating & Cooling Systems

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT MUST BE INSTALLED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS

Cancels: PDS 661C.18.9

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