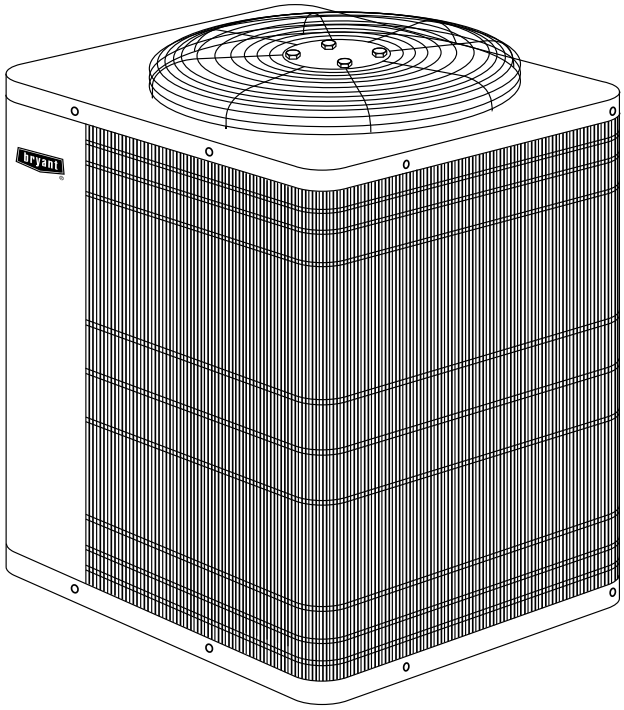
bryant
Heating & Cooling Systems

ELECTRIC AIR CONDITIONER

Model 594D (60 Hz)

Sizes 018 thru 060



Model 594D Energy-Efficient Air Conditioners incorporate innovative technology to provide quiet, reliable summer cooling performance. Built into these units are the features most desired by homeowners today, including SEER ratings of up to 12.0 when used with components as designated by manufacturer. All models are listed with UL, c-UL, ARI, CEC, and CSA-EEV.

AVAILABLE OPTIONS

ELECTRICAL RANGE—All units are offered in 208/230-volts, single phase.

HEAVY DUTY INLET GRILLE—The DuraGuard™ coil protector, made of a coated steel wire grid with vertical 3/8 in. spacing, is designed to help protect the coil from inclement weather, vandalism, and incidental damage. It provides protection while not restricting airflow and maintaining ease of coil inspection and cleaning.

WIDE RANGE OF SIZES—Available in 7 nominal sizes from 018 through 060 to meet the needs for residential and light commercial applications.

WEATHER-PROTECTIVE CABINET—Steel is galvanized, then coated with a layer of zinc phosphate to which a coat of modified polyester powder coating is applied and baked on. This provides each unit with a hard, smooth finish that will last for many years.

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

TOTALLY ENCLOSED FAN MOTOR—Means greater reliability under rain conditions and dependable performance for many years. The permanent-split capacitor type motor was designed for optimum efficiency. Then, under extreme conditions, the motor was tested and qualified to help ensure the greatest reliability.

UNIT DESIGN—Copper tube, enhanced aluminum fin coil is designed for optimum heat transfer. Vertical air discharge carries sound and hot condenser air up and away from adjacent patio areas and foliage. Heat pump style base pan for easy removal of water, dirt, and leaves.

APPLICATION VERSATILITY—The 594D can be combined with a wide variety of evaporator coils and blower packages to provide quiet, dependable comfort. Unit can be installed on a roof or at ground level on a slab.

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

EASY SERVICEABILITY—One panel provides access to electrical controls and compressor. Removal of wire dome grille gives access to fan motor, while removal of top gives access to coil.

COMPRESSOR PROTECTION—Each model is protected with internal temperature- and current-sensitive overloads. An internal pressure relief valve provides high-pressure protection to the refrigerant system.

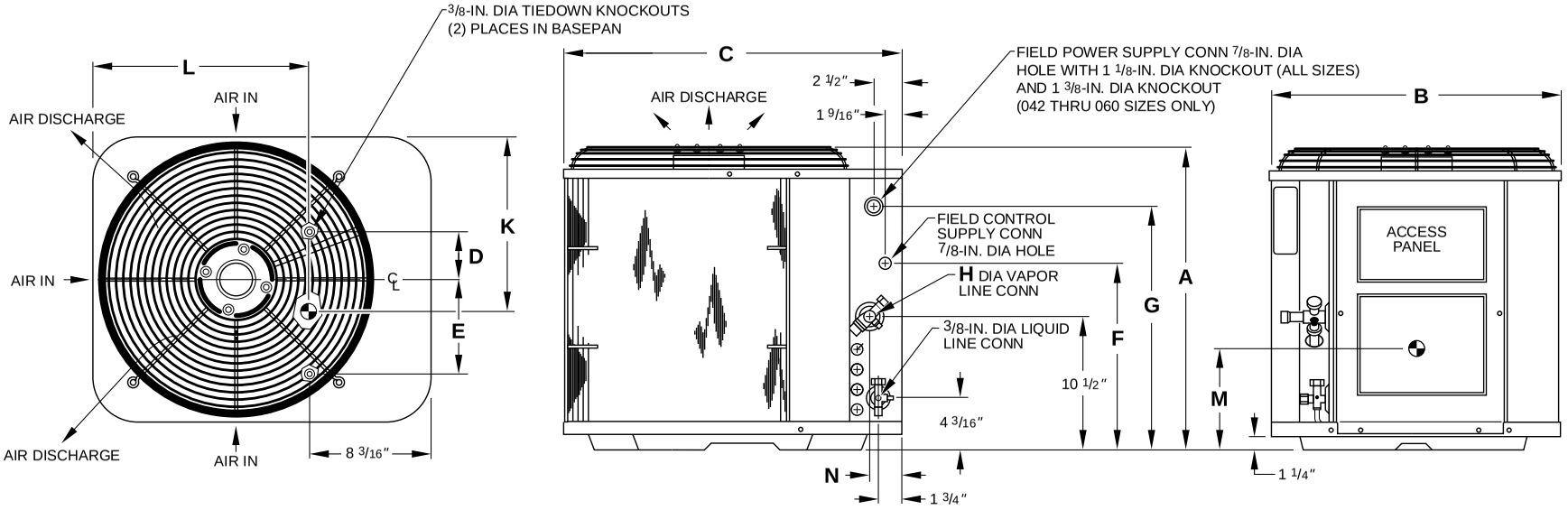
AEROQUIET FAN SYSTEM—Allows air to move through the unit more easily which lowers sound levels and improves overall efficiency.

SCROLL COMPRESSOR—All units feature the scroll compressor. This compressor is significantly more efficient than conventional compressors. Due to the simplicity of its design, it offers improved reliability. Each compressor is mounted on rubber isolators for additional sound reduction. Continuous operation is approved down to 55°F (12.8°C) in the cooling mode. (See cooling performance tables.)

LIMITED WARRANTY—Standard 1-year warranty on all parts, with an additional 9-year warranty on the compressor.

NOTES:

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



A97001

DIMENSIONS (IN.)

UNIT SIZE	SERIES	UNIT DIMENSIONS												MINIMUM MOUNTING PAD DIMENSIONS
		A	B	C	D	E	F	G	H	K	L	M	N	
018	E	23-13/16	22-1/2	26-3/16	4-1/8	7-1/8	13-13/16	18-3/8	5/8	12	14-5/8	10	2-3/8	20 x 27
024	E	27-13/16	22-1/2	26-3/16	4-1/8	7-1/8	15-15/16	22-3/8	5/8	12	14-5/8	11	2-3/8	20 x 27
030	E	27-13/16	22-1/2	26-3/16	4-1/8	7-1/8	15-15/16	22-3/8	3/4	12	14-5/8	11	2-3/8	20 X 27
036	E	27-13/16	30	33	5-1/16	9-11/16	15-15/16	22-3/8	3/4	16-1/4	20-3/8	11	2-15/16	26 X 32
042	E	33-13/16	30	33	5-1/16	9-11/16	21-15/16	28-3/8	7/8	16-1/4	20-3/8	13-1/2	2-15/16	26 X 32
048	E, F	33-13/16	30	33	5-1/16	9-11/16	21-15/16	28-3/8	7/8	16-3/4	20-3/8	13-1/2	2-15/16	26 x 32
060	E	39-13/16	30	33	5-1/16	9-11/16	27-15/16	34-3/8	7/8	16-3/4	20-3/8	15	2-15/16	26 x 32

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, 024	3/8	3/8	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, consult Residential Split System Long-Line Application Guideline.

CHECK-FLO-RATER®

UNIT SIZE-SERIES	PISTON* IDENTIFICATION NO.
018, E	55
024, E	59
030, E	67
036, E	73
042, E	78
048, E,F	84
060, E	93

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

SOUND POWER (dBA)

UNIT SIZE	SOUND LEVEL (dBA)	OCTAVE BAND CENTER FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	8000
018	72	54.5	63.0	65.5	66.0	63.5	59.0	51.5
024	74	51.5	61.0	62.5	65.5	62.0	58.5	52.5
030	74	57.0	64.0	67.0	69.0	64.0	60.0	52.5
036	76	59.0	66.0	67.0	69.5	66.5	62.5	56.0
042	76	58.0	65.0	67.5	69.0	65.5	61.0	54.0
048	78	60.0	64.0	68.5	68.5	67.5	64.5	59.5
060	78	61.5	64.5	69.0	70.0	68.0	66.0	60.5

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CSA

CERTIFICATION APPLIES ONLY WHEN THE COMPLETE SYSTEM IS LISTED WITH ARI

Carrier Corporation
UL REGISTERED FIRM
ISO 9001 #A2934

BSI REGISTERED FIRM
CERTIFICATE NO. FM 28768

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

REGISTERED QUALITY SYSTEM

SPECIFICATIONS

UNIT SIZE - SERIES	018-E	024-E	030-E	036-E
OPERATING WT (Lb)	**138**	**143**	**146**	**200**
ELECTRICAL				
Unit Volts—Hertz—Phase	208/230—60—1	208/230—60—1	208/230—60—1	208/230—60—1
Operating Voltage Range*	187—253	187—253	187—253	187—253
Compressor— Rated Load Amps	8.9	11.4	13.7	16.0
Locked Rotor Amps	41.0	56.0	72.5	88.0
Condenser Fan Motor—Full Load Amps	0.5	0.5	0.8	1.1
Min Unit Ampacity for Wire Sizing	11.6	14.8	17.9	21.1
Min Wire Size (60°C Copper) AWG†	14	14	14	12
Min Wire Size (75°C Copper) AWG†	14	14	14	12
Max Wire Length (60°C) (Ft)‡	61	53	56	66
Max Wire Length (75°C) (Ft)‡	58	50	53	63
Max Branch Circuit Fuse Size**	20	20	25	30
COMPRESSOR AND REFRIGERANT				
Compressor—Manufacturer & Type	Copeland Scroll			
Temperature & Current Protection	Internal Line Break			
Refrigerant—R-22 Amount (Lb)	4.00	4.25	4.50	5.53
CONDENSER COIL AND FAN				
Coil Face Area (Sq Ft)	7.27	8.8		12.0
Fins per In.—Rows—Circuits	20—1—1		25—1—2	
Fan Motor—HP, Type, & RPM	1/12 PSC & 1100		1/10 PSC & 1100	1/5 PSC & 825
Volts—Hertz—Phase	208/230—60—1			
Condenser Airflow (CFM)	1700		2000	3000
OPTIONAL EQUIPMENT				
Support Feet Kit	KSASF0101AAA			
Coastal Filter	KAACF0601SML			KAACF0201MED
Time-Delay Relay	KAATD0101TDR			
Cycle Protector	KSACY0101AAA			
Crankcase Heater	KAACH1201AAA			
Start Assist—Capacitor/Relay Type	KSAHS1501AAA			
Start Assist—PTC Type	KAACS0201PTC			
TXV Kit (RPB)	KAATX0201RPB	KAATX0301RPB	KAATX0401RPB	KAATX0501RPB
TXV Kits (Hard Shutoff)	KSATX0601HSO			
Low-Pressure Switch	KAALP0101LPS			
High-Pressure Switch	KSAHI0101HPS			
Filter Drier	P502-8083S (RCD)			
Evaporator Freeze Thermostat††	KAAFT0101AAA			
Liquid-Line Solenoid Valve	KAALS0101LLS			
Winter Start Control††	KAAWS0101AAA			
Low-Ambient Kit	KSALA0201R22			
Low-Ambient Controller	P251-0083 (RCD)			
MotorMaster® Control‡‡	32LT660004 (RCD)			
Ball Bearing Fan Motor	HC34GE232 (RCD)			HC38GE231 (RCD)
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBNAC01-B			
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBPAC01-B			
Builder's Thermostat, Manual Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBBAC01-B			
Thermidistat™ Control—Programmable/ Non-Programmable Thermostat with Humidity Control	TSTATBBPRH01-B			
Outdoor Air Temperature Sensor	TSTATXXSEN01-B			
Backplate for Non-Programmable Thermostat	TSTATXXNBP01			
Backplate for Builder's Thermostat	TSTATXXBBP01			
Backplate for Programmable Thermostat	TSTATXXPBP01			
Thermostat Conversion Kit (4 to 5 wire) — 10 Pack	TSTATXXCNV10			

See notes on page 5.

SPECIFICATIONS Continued

UNIT SIZE - SERIES	042-E	048-E/F	060-E
OPERATING WT (Lb)	**213**	**247**	**287**
ELECTRICAL			
Unit Volts—Hertz—Phase	208/230—60—1	208/230—60—1	208/230—60—1
Operating Voltage Range*	187—253	187—253	187—253
Compressor— Rated Load Amps	20.0	23.7/21.3	28.8
Locked Rotor Amps	104.0	129.0/137.0	169.0
Condenser Fan Motor—Full Load Amps	1.1	1.4	1.4
Min Unit Ampacity for Wire Sizing	26.1	31.0/28.0	37.4
Min Wire Size (60°C Copper) AWG†	10	8/10	8
Min Wire Size (75°C Copper) AWG†	10	10	8
Max Wire Length (60°C) (Ft)‡	96	71	104
Max Wire Length (75°C) (Ft)‡	91	68	99
Max Branch Circuit Fuse Size**	40	50/40	60
COMPRESSOR AND REFRIGERANT			
Compressor—Manufacturer & Type	Copeland Scroll		
Temperature & Current Protection	Internal Line Break		
Refrigerant—R-22 Amount (Lb)	6.68	6.34	9.25
CONDENSER COIL AND FAN			
Coil Face Area (Sq Ft)	15.2		18.3
Fins per In.—Rows—Circuits	25—1—3		25—1—4
Fan Motor—HP, Type, & RPM	1/5 PSC & 825	1/4 PSC & 1100	
Volts—Hertz—Phase	208/230—60—1		
Condenser Airflow (CFM)	3000	3300	
OPTIONAL EQUIPMENT			
Support Feet Kit	KSASF0101AAA		
Coastal Filter	KAACF0201MED		
Time-Delay Relay	KAATD0101TDR		
Cycle Protector	KSACY0101AAA	Standard	
Crankcase Heater	KAACH1201AAA		
Start Assist—Capacitor/Relay Type	KSAHS1501AAA		KSAHS1601AAA
Start Assist—PTC Type	KAACS0201PTC		
TXV Kit (RPB)	KAATX0501RPB	KAATX0601RPB	KAATX0701RPB
TXV Kits (Hard Shutoff)	KSATX0601HSO	KSATX0701HSO	
Low-Pressure Switch	KAALP0101LPS		
High-Pressure Switch	KSAHI0101HPS		
Filter Drier	P502-8163S (RCD)		
Evaporator Freeze Thermostat††	KAAFT0101AAA		
Liquid-Line Solenoid Valve	KAALS0101LLS		
Winter Start Control††	KAAWS0101AAA		
Low-Ambient Kit	KSALA0201R22		
Low-Ambient Controller	P251-0083 (RCD)		
MotorMaster® Control‡‡	32LT660004 (RCD)		
Ball Bearing Fan Motor	HC38GE231 (RCD)	HC40GE232 (RCD)	
Thermostat, Auto Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBNAC01-B		
Thermostat, Auto Changeover, 7-Day Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBPAC01-B		
Builder's Thermostat, Manual Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBBAC01-B		
Thermidistat™ Control—Programmable/ Non-Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Outdoor Air Temperature Sensor	TSTATXXSEN01-B		
Backplate for Non-Programmable Thermostat	TSTATXXNBP01		
Backplate for Builder's Thermostat	TSTATXXBBP01		
Backplate for Programmable Thermostat	TSTATXXPBP01		
Thermostat Conversion Kit (4 to 5 wire) — 10 Pack	TSTATXXCNV10		

* Permissible limits of the voltage range at which the unit will operate satisfactorily. Operation outside these limits may result in unit failure. Copper wire must be used from service disconnect to unit.

† 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 wire path between unit and service panel for a voltage drop not to exceed 2 percent. All motors/compressors contain internal overload protection.

** Time-delay fuse.

†† Use with Low-Ambient Controller.

‡‡ Fan motor with ball bearings required.

ACCESSORY USAGE GUIDELINE

ACCESSORY	REQUIRED FOR LOW-AMBIENT APPLICATIONS (Below 55°F)	REQUIRED FOR LONG-LINE APPLICATIONS* (Over 50 Ft)	REQUIRED FOR SEA COAST APPLICATIONS (Within 2 Miles)
Crankcase Heater	Yes	Yes	No
Evaporator Freeze Thermostat	Yes	No	No
Winter Start Control	Yes†	No	No
Accumulator	No	No	No
Compressor Start Assist Capacitor and Relay	Yes	Yes	No
Low-Ambient Controller or MotorMaster® Control	Yes	No	No
Wind Baffle	See Low-Ambient Instructions	No	No
Coastal Filter	No	No	Yes
Support Feet	Recommended	No	Recommended
Liquid-Line Solenoid Valve or Hard Shutoff TXV	No	See Long-Line Application Guideline	No
Ball Bearing Fan Motor	Yes	No	No

* For tubing line sets between 50 and 175 ft, refer to Residential Split System Long-Line Application Guideline.
† Only when low-pressure switch is used.

ACCESSORY DESCRIPTION AND USAGE (Listed Alphabetically)

1. **Ball Bearing Fan Motor**
   A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.
SUGGESTED USE: Required on all units where Low-Ambient Controller (full modulation feature) or MotorMaster® Control has been added.

2. **Coastal Filter**
   A mesh screen inserted under the top cover and inside the base pan to protect the condenser coil from corrosive atmosphere without restricting airflow.
SUGGESTED USE: In geographic areas where salt damage could occur.
In areas with high pollution levels.

3. **Compressor Start Assist—Capacitor/Relay Type**
   Start capacitor and start relay gives “hard” boost to compressor motor at each start-up.
SUGGESTED USE: Installations where interconnecting tube length exceeds 50 ft.
Installations where outdoor design temperature exceeds 105°F (40.6°C).
Replacement installations with hard shutoff expansion valve on indoor coil.
Installations where Liquid-Line Solenoid Valve has been added.

4. **Compressor Start Assist—PTC Type**
   Solid state electrical device which gives a “soft” boost to compressor motor at each start-up.
SUGGESTED USE: Installations with marginal power supply.
Replacement installations 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 chance of refrigerant slugging. May or may not include a thermostat control.
SUGGESTED USE: When interconnecting tube length exceeds 50 ft.
When unit will be operated below 55°F (12.8°C) outdoor air temperature. Use with Low-Ambient Controller.
All commercial installations.

6. **Cycle Protector**
   Solid state timing device which prevents compressor rapid recycling. Control provides an approximate 5-minute delay after power to the compressor has been interrupted for any reason, including normal room thermostat cycling.
SUGGESTED USE: Installations in areas where power interruptions are frequent.
Where user is likely to “play” with the room thermostat.
All commercial installations.
Installations where interconnecting tube length exceeds 50 ft.
High-rise applications.

7. **Evaporator Freeze Thermostat**
   An SPST temperature actuated switch which stops unit operation when evaporator reaches freeze-up conditions.
SUGGESTED USE: All units where Winter Start Control has been added. Use with Low-Ambient Controller.

8. **Filter Drier**
   A device for removing contaminants from refrigerant circulating in an air conditioner: 1 direction flow.
SUGGESTED USE: All split-system air conditioners.

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 400 ± 10 psig and resets at 298 ± 20 psig. Provides protection against compressor damage due to loss of outdoor airflow. To prevent rapid compressor recycling, Cycle Protector can be used with this switch.
SUGGESTED USE: Installations exposed to very “dirty” outdoor air.
Installations where condenser inlet air temperature exceeds 125°F (51.7°C).

10. **Liquid-Line Solenoid Valve (LSV)**
    An electrically operated shutoff valve to be installed at the outdoor or indoor unit (depending on tubing configuration) which stops and starts refrigerant liquid flow in response to compressor operation. Maintains a column of refrigerant liquid ready for action at next compressor operation cycle.
    Note: Compressor Start Assist—Capacitor/Relay Type must also be used. Do not use with hard shutoff TXV.
SUGGESTED USE: For improved system performance in air conditioners for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.
In certain long-line applications. Refer to Residential Split System Long-Line Application Guideline.

ACCESSORY DESCRIPTION AND USAGE (Listed Alphabetically) Continued

11. Low-Ambient Controller

Head pressure controller is a cycle control device activated by a temperature sensor mounted on a header tube of the outdoor coil. It is designed to cycle the outdoor fan motor in order to maintain condensing temperature within normal operating limits (approximately 100°F high and 60°F low). The control will maintain working head pressure at low-ambient temperatures down to 0°F when properly installed.

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

12. Low-Pressure Switch

Auto reset SPST switch activated by refrigerant pressure on low side of refrigerant circuit. Cycles compressor off if refrigerant pressure drops to about 27 psig. Prevents indoor coil freeze-up due to loss of indoor airflow. Provides protection against compressor damage due to loss of refrigerant charge. To prevent rapid compressor recycling, Cycle Protector can be used with this switch.

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

13. MotorMaster® Control

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

SUGGESTED USE: Cooling operation at outdoor temperatures below 55°F.
All commercial installations.

14. Outdoor Air Temperature Sensor

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

SUGGESTED USE: All corporate programmable thermostats.

15. Support Feet

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

SUGGESTED USE: Coastal installations.
Windy areas or where debris is normally circulating.
Rooftop installations.

16. Thermostatic Expansion Valve (TXV)

A modulating flow control valve which meters refrigerant liquid flow rate into the evaporator in response to the superheat of the refrigerant gas leaving the evaporator. Kit includes valve, adapter tubes, and external equalizer tube. Both hard shutoff and RPB type valves are available.

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

17. Time-Delay Relay

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

SUGGESTED USE: For improved efficiency ratings for certain combinations of indoor and outdoor units. Refer to ARI Unitary Directory.
Required for use on all zoning systems.

18. Winter Start Control

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

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

COMBINATION RATINGS

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE-MENT	SEER			EERA
				STANDARD RATING	BRYANT GAS FURNACE OR ACCESSORY TDR†	ACCESSORY TXV‡	
018-E	CK5A/CK5BA024*	17,600	NONE	10.50	11.00	11.00	10.60
	CC5A/CD5AA018	17,200	NONE	10.50	11.00	11.00	10.45
	CC5A/CD5AA024	17,600	NONE	10.50	11.00	11.00	10.60
	CC5A/CD5AW024	17,600	NONE	10.50	11.00	11.00	10.60
	CE3AA024	17,600	NONE	10.50	11.00	11.00	10.60
	CK3BA024	17,600	NONE	10.50	11.00	11.00	10.60
	CK5A/CK5BA018	17,200	NONE	10.50	11.00	11.00	10.45
	CK5A/CK5BW024	17,600	NONE	10.50	11.00	11.00	10.60
	F(A,B)4AN(F,C)018	16,800	TDR	11.00	—	11.00	10.40
	F(A,B)4AN(F,C)024	17,600	TDR	11.00	—	11.00	10.75
	FC4BNF024	17,600	TDR&TXV	11.00	—	—	10.60
	FF1(B,C,D)NA018	17,000	TDR	10.50	—	11.00	10.70
	FF1(B,C,D)NA024	17,600	TDR	10.50	—	11.00	10.65
	FG3AAA024	17,000	NONE	10.50	11.00	11.00	10.45
	FK4CNF001	18,000	TDR&TXV	12.50	—	—	12.05
	FK4CNF002	18,000	TDR&TXV	12.50	—	—	12.10
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA018	17,000	TDR	12.50	—	12.50	11.40
	CC5A/CD5AA024	17,600	TDR	13.00	—	13.00	11.80
	CK5A/CK5BA018	17,000	TDR	12.50	—	12.50	11.40
	CK5A/CK5BA024	17,600	TDR	13.00	—	13.00	11.80
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	17,600	TDR	13.00	—	13.00	11.60
	CK5A/CK5BW024	17,600	TDR	13.00	—	13.00	11.60
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	17,600	TDR	13.00	—	13.00	11.70
	CK5A/CK5AW024	17,600	TDR	13.00	—	13.00	11.70
024-E	CC5A/CD5AA030*	23,000	NONE	10.80	11.00	11.00	9.80
	CC5A/CD5AA024	23,000	NONE	10.80	11.00	11.00	9.70
	CC5A/CD5AW024	23,000	NONE	10.80	11.00	11.00	9.70
	CC5A/CD5AW030	23,200	NONE	10.80	11.00	11.00	9.80
	CE3AA024	23,000	NONE	10.80	11.00	11.00	9.80
	CE3AA030	23,200	NONE	11.00	11.30	11.30	9.80
	CF5AA024	23,000	NONE	10.80	11.00	11.00	9.80
	CK3BA024	23,000	NONE	10.80	11.00	11.00	9.70
	CK3BA030	23,000	NONE	10.80	11.00	11.00	9.80
	CK5A/CK5BA024	23,000	NONE	10.80	11.00	11.00	9.70
	CK5A/CK5BA030	23,000	NONE	10.80	11.00	11.00	9.80
	CK5A/CK5BW024	23,000	NONE	10.80	11.00	11.00	9.70
	CK5A/CK5BW030	23,200	NONE	10.80	11.00	11.00	9.80
	F(A,B)4AN(F,C)024	23,000	TDR	11.00	—	11.00	9.80
	F(A,B)4AN(F,C)030	23,400	TDR	11.40	—	11.40	10.00
	FC4BNF024	23,000	TDR & TXV	11.00	—	—	9.80
	FC4BNF030	23,400	TDR & TXV	11.40	—	—	10.00
	FF1(B,C,D))NA024	23,000	TDR	11.00	—	11.00	9.70
	FF1(B,C,D))NA030	23,400	TDR	11.30	—	11.30	9.90
	FG3AAA024	22,600	NONE	10.50	11.00	11.00	9.60
	FK4CNF001	24,000	TDR & TXV	12.50	—	—	10.95
	FK4CNF002	24,200	TDR & TXV	12.70	—	—	11.05
	FK4CNF003	24,400	TDR & TXV	13.00	—	—	11.30
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA030	23,200	TDR	12.00	—	12.00	10.75
	CE3AA030	23,200	TDR	12.00	—	12.00	10.85
	CK5A/CK5BA030	23,200	TDR	12.00	—	12.00	10.75
	COILS + 355MAV042040 VARIABLE SPEED FURNACE						
	CC5A/CD5AA030	23,200	TDR	12.00	—	12.00	10.70
	CK5A/CBA5030	23,200	TDR	12.00	—	12.00	10.70
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA030	23,200	TDR	12.00	—	12.00	10.70
	CK5A/CK5BA030	23,200	TDR	12.00	—	12.00	10.70
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA030	23,200	TDR	12.00	—	12.00	10.70
	CK5A/CK5BA030	23,200	TDR	12.00	—	12.00	10.70
030-E	CC5A/CD5AA036*	29,000	NONE	10.80	11.00	11.00	9.60
	CC5A/CD5AA030	28,200	NONE	10.40	10.60	10.60	9.30
	CC5A/CD5AW030	28,200	NONE	10.40	10.60	10.60	9.30
	CD5AW036	29,000	NONE	10.80	11.00	11.00	9.60
	CE3AA030	28,400	NONE	10.50	10.80	10.80	9.40
	CE3AA036	28,800	NONE	10.60	11.00	11.00	9.50
	CF5AA036	29,000	NONE	10.60	11.00	11.00	9.55
	CK3BA030	28,200	NONE	10.40	10.60	10.60	9.30
	CK3BA036	29,000	NONE	10.80	11.00	11.00	9.60
	CK5A/CK5BA030	28,200	NONE	10.40	10.60	10.60	9.30
	CK5A/CK5BA036	29,000	NONE	10.80	11.00	11.00	9.60
	CK5A/CK5BW030	28,200	NONE	10.50	10.60	10.60	9.30
	CK5A/CK5BW036	29,000	NONE	10.80	11.00	11.00	9.60
	F(A,B)4AN(F,C)030	28,200	TDR	11.00	—	11.00	9.45
	F(A,B)4AN(F,C)036	28,600	TDR	10.80	—	10.80	9.35

See notes on page 11.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE-MENT	SEER			EERA
				STANDARD RATING	BRYANT GAS FURNACE OR ACCESSORY TDR†	ACCESSORY TXV‡	
030-E	FC4BNF030	28,200	TDR & TXV	11.00	—	—	9.45
	FC4BNF036	28,600	TDR & TXV	10.80	—	—	9.35
	FF1(B,C,D)NA030	28,400	TDR	11.00	—	11.00	9.40
	FG3AAA036	28,600	NONE	10.50	10.80	10.80	9.40
	FK4CNF001	29,200	TDR & TXV	11.50	—	—	10.05
	FK4CNF002	29,400	TDR & TXV	11.80	—	—	10.10
	FK4CNF003	29,600	TDR & TXV	12.00	—	—	10.55
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	29,400	TDR	12.20	—	12.20	10.45
	CE3AA036	29,000	TDR	12.00	—	12.00	10.30
	CK5A/CK5BA036	29,400	TDR	12.00	—	12.00	10.45
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	29,400	TDR	12.20	—	12.20	10.45
	CE3AA036	29,000	TDR	12.00	—	12.00	10.30
	CK5A/CK5BA036	29,400	TDR	12.00	—	12.00	10.45
	COILS + 355MAV042040 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	29,400	TDR	12.00	—	12.00	10.40
	CK5A/CK5BA036	29,400	TDR	11.80	—	11.80	10.40
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5A036	29,400	TDR	12.00	—	12.00	10.40
	CK5A/CK5BA036	29,400	TDR	11.80	—	11.80	10.40
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	29,400	TDR	12.00	—	12.00	10.40
	CK5A/CK5BA036	29,400	TDR	12.00	—	12.00	10.40
036-E	CC5A/CD5AA042*	35,000	NONE	11.00	11.20	11.20	10.15
	CC5A/CD5AA036	35,000	NONE	11.00	11.20	11.20	10.15
	CC5A/CD5AW042	34,800	NONE	11.00	11.20	11.20	10.05
	CD5AW036	35,000	NONE	11.00	11.20	11.20	10.15
	CE3AA036	34,400	NONE	10.80	11.00	11.00	10.05
	CE3AA042	35,000	NONE	11.00	11.20	11.20	10.20
	CF5AA036	35,000	NONE	11.00	11.20	11.20	10.10
	CK3BA036	35,000	NONE	11.00	11.20	11.20	10.15
	CK3BA042	35,000	NONE	11.00	11.20	11.20	10.15
	CK5A/CK5BA036	35,000	NONE	11.00	11.20	11.20	10.15
	CK5A/CK5BA042	35,000	NONE	11.00	11.20	11.20	10.15
	CK5A/CK5BW036	35,000	NONE	11.00	11.20	11.20	10.15
	CK5A/CK5BW042	34,800	NONE	11.00	11.20	11.20	10.05
	F(A,B)4AN(F,B,C))042	35,000	TDR	11.20	—	11.20	10.10
	F(A,B)4AN(F,C)036	34,400	TDR	11.00	—	11.00	9.80
	FC4BNB054	36,600	TDR & TXV	12.00	—	—	10.80
	FC4BNF036	34,400	TDR & TXV	11.00	—	—	9.80
	FC4BN(F,B)042	35,000	TDR & TXV	11.20	—	—	10.10
	FC4BNF038	36,000	TDR & TXV	11.50	—	—	9.80
	FG3AAA036	34,200	NONE	10.80	11.00	11.00	9.95
	FK4CNB006	36,200	TDR & TXV	13.00	—	—	10.65
	FK4CNF001	34,600	TDR & TXV	11.50	—	—	10.35
	FK4CNF002	34,800	TDR & TXV	11.50	—	—	10.35
	FK4CNF003	35,000	TDR & TXV	12.00	—	—	10.95
	FK4CNF005	36,000	TDR & TXV	12.50	—	—	11.40
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CE3AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA036	35,000	TDR	12.00	—	12.00	10.75
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CE3AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	35,000	TDR	12.00	—	12.00	10.75
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CE3AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	35,000	TDR	12.00	—	12.00	10.75
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CE3AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	35,000	TDR	12.00	—	12.00	10.75
	COILS + 355MAV042040 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	35,000	TDR	12.00	—	12.00	10.75
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	34,600	TDR	12.00	—	12.00	10.75
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	35,000	TDR	12.00	—	12.00	10.75
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	34,600	TDR	12.00	—	12.00	10.75
	CK5A/CK5BA042	34,600	TDR	12.00	—	12.00	10.75

See notes on page 11.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE-MENT	SEER			EERA
				STANDARD RATING	BRYANT GAS FURNACE OR ACCESSORY TDR†	ACCESSORY TXV‡	
042-E	CD5AA048*	41,000	NONE	11.00	11.50	11.50	10.25
	CC5A/CD5AA042	41,000	NONE	11.00	11.50	11.50	10.25
	CC5A/CD5AC048	40,500	NONE	11.00	11.50	11.50	10.15
	CC5A/CD5AW042	40,500	NONE	11.00	11.50	11.50	10.15
	CC5A/CD5AW048	41,000	NONE	11.00	11.50	11.50	10.25
	CE3AA042	41,000	NONE	11.00	11.50	11.50	10.30
	CE3AA048	41,500	NONE	11.00	11.50	11.50	10.35
	CF5AA048	41,500	NONE	11.00	11.50	11.50	10.30
	CK3BA042	41,000	NONE	11.00	11.50	11.50	10.25
	CK3BA048	41,000	NONE	11.00	11.50	11.50	10.25
	CK5A/CK5BA042	41,000	NONE	11.00	11.50	11.50	10.25
	CK5A/CK5BA048	41,000	NONE	11.00	11.50	11.50	10.25
	CK5A/CK5BW042	40,500	NONE	11.00	11.50	11.50	10.15
	CK5A/CK5BW048	41,000	NONE	11.00	11.50	11.50	10.25
	F(A,B)4AN(F,B,C)042	41,000	TDR	11.20	—	11.20	10.10
	F(A,B)4AN(F,B,C)048	41,500	TDR	11.50	—	11.50	10.30
	FC4BNB054	42,500	TDR & TXV	12.50	—	—	10.95
	FC4BN(F,B)042	41,000	TDR & TXV	11.20	—	—	10.10
	FC4BN(F,B)048	41,500	TDR & TXV	11.50	—	—	10.30
	FG3AAA048	41,000	NONE	11.00	11.50	11.50	10.25
	FK4CNB006	42,500	TDR & TXV	13.00	—	—	11.65
	FK4CNF003	41,000	TDR & TXV	12.00	—	—	10.85
	FK4CNF005	42,000	TDR & TXV	12.50	—	—	11.30
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CD5AA048	41,000	TDR	12.50	—	12.50	11.10
	CE3AA048	41,000	TDR	12.50	—	12.50	11.05
	CK5A/CK5BA048	41,000	TDR	12.50	—	12.50	11.10
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CD5AA048	41,000	TDR	12.50	—	12.50	11.10
	CE3AA048	41,000	TDR	12.50	—	12.50	11.05
	CK5A/CK5BA048	41,000	TDR	12.50	—	12.50	11.10
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CD5AA048	41,000	TDR	12.50	—	12.50	11.10
	CE3AA048	41,000	TDR	12.50	—	12.50	11.05
	CK5A/CK5BA048	41,000	TDR	12.50	—	12.50	11.10
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CD5AA048	41,000	TDR	12.50	—	12.50	11.15
	CK5A/CK5BA048	41,000	TDR	12.00	—	12.00	11.15
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CD5AA048	41,000	TDR	12.50	—	12.50	11.15
	CK5A/CK5BA048	41,000	TDR	12.50	—	12.50	11.15
048-E/F	*CC5A/CD5AA060	46,800	NONE	10.60	11.00	11.00	9.65
	CC5A/CD5AC048	45,000	NONE	10.50	10.80	10.80	9.50
	CC5A/CD5AW048	46,000	NONE	10.50	11.00	11.00	9.60
	CC5A/CD5AW060	48,000	NONE	10.80	11.20	11.20	9.85
	CD5AA048	46,500	NONE	10.50	11.00	11.00	9.60
	CE3AA048	46,500	NONE	10.70	11.00	11.00	9.70
	CE3AA060	48,000	NONE	11.00	11.20	11.20	9.95
	CF5AA048	46,500	NONE	10.70	11.10	11.10	9.70
	CK3BA048	46,500	NONE	10.50	11.00	11.00	9.65
	CK3BA060	46,800	NONE	10.60	11.00	11.00	9.85
	CK5A/CK5BA048	46,500	NONE	10.50	11.00	11.00	9.65
	CK5A/CK5BA060	46,800	NONE	10.60	11.00	11.00	9.85
	CK5A/CK5BN048	45,000	NONE	10.50	11.00	11.00	9.65
	CK5A/CK5BN060	47,000	NONE	10.50	11.00	11.00	10.05
	CK5A/CK5BT048	46,500	NONE	10.50	11.00	11.00	9.65
	CK5A/CK5BT060	46,800	NONE	10.60	11.00	11.00	9.85
	CK5A/CK5BW048	46,500	NONE	10.50	11.00	11.00	9.65
	CK5A/CK5BX060	48,000	NONE	10.80	11.20	11.20	10.05
	F(A,B)4AN(F,B,C)048	46,500	TDR	11.00	—	11.00	9.60
	F(A,B)4AN(F,B,C)060	48,000	TDR	11.00	—	11.00	9.70
	FB4ANB070	48,000	TDR	11.50	—	11.50	10.00
	FC4BN(F,B)048	47,000	TDR & TXV	11.00	—	—	9.60
	FC4BN(F,B)060	48,000	TDR & TXV	11.00	—	—	9.70
	FC4BNB054	48,000	TDR & TXV	11.50	—	—	10.05
	FC4BNB070	48,000	TDR & TXV	11.00	—	—	10.00
	FG3AAA048	46,000	NONE	10.50	10.80	10.80	9.60
	FG3AAA060	47,500	NONE	10.70	11.00	11.00	9.80
	FK4CNB006	48,500	TDR	12.50	—	—	10.85
	FK4CNF005	48,000	TDR	12.20	—	—	10.55
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AC048	45,000	TDR	11.00	—	11.00	9.65
	CD5AA048	46,000	TDR	11.00	—	11.00	9.75
	CK3BA048	46,000	TDR	11.00	—	11.00	9.80
	CK5A/CK5BA048	46,000	TDR	11.00	—	11.00	9.80
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	47,000	TDR	11.50	—	11.50	10.25
	CC5A/CD5AW048	46,000	TDR	11.20	—	11.20	10.10
	CC5A/CD5AW060	47,000	TDR	12.00	—	12.00	10.55
	CK3BA060	47,000	TDR	11.50	—	11.50	10.45
	CK5A/CK5BA060	47,000	TDR	11.50	—	11.50	10.45
	CK5A/CK5BW048	46,000	TDR	11.20	—	11.20	10.20
	CK5A/CK5BX060	47,000	TDR	12.00	—	12.00	10.70

See notes on page 11.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY SUPPLIED ENHANCE-MENT	SEER			EERA
				STANDARD RATING	BRYANT GAS FURNACE OR ACCESSORY TDR†	ACCESSORY TXV‡	
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,500	TDR	11.50	—	11.50	10.15
	CC5A/CD5AW048	46,000	TDR	11.20	—	11.20	10.05
	CC5A/CD5AW060	47,000	TDR	12.00	—	12.00	10.45
	CK3BA060	46,500	TDR	11.50	—	11.50	10.35
	CK5A/CK5BA060	46,500	TDR	11.50	—	11.50	10.35
	CK5A/CK5BW048	46,000	TDR	11.20	—	11.20	10.10
	CK5A/CK5BX060	47,000	TDR	12.00	—	12.00	10.60
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CD5AA048	46,000	TDR	11.00	—	11.00	9.70
	CK3BA048	46,000	TDR	11.00	—	11.00	9.75
	CK5A/CK5BA048	46,000	TDR	11.00	—	11.00	9.75
	COILS + 355MAV060080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,000	TDR	11.00	—	11.00	9.70
	CC5A/CD5AW060	47,000	TDR	11.20	—	11.20	9.95
	CD5AA048	46,000	TDR	11.00	—	11.00	9.60
	CK3BA048	46,000	TDR	11.00	—	11.00	9.70
	CK5A/CK5BA060	46,500	TDR	11.00	—	11.00	9.90
048-E/F	CK5A/CK5BX060	47,000	TDR	11.20	—	11.20	10.15
	CK5A/CK5BA048	46,000	TDR	11.00	—	11.00	9.70
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,000	TDR	11.20	—	11.20	9.95
	CC5A/CD5AC048	45,000	TDR	11.00	—	11.00	9.70
	CC5A/CD5AW060	47,000	TDR	11.80	—	11.80	10.20
	CD5AA048	46,000	TDR	11.00	—	11.00	9.90
	CK3BA048	46,000	TDR	11.00	—	11.00	9.95
	CK3BA060	46,500	TDR	11.20	—	11.20	10.15
	CK5A/CK5BA048	46,000	TDR	11.00	—	11.00	9.95
	CK5A/CK5BA060	46,000	TDR	11.20	—	11.20	10.40
	CK5A/CK5BX060	47,000	TDR	11.80	—	11.80	10.40
	COILS + 355MAV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,000	TDR	11.20	—	11.20	9.95
	CC5A/CD5AW048	46,000	TDR	11.20	—	11.20	9.90
	CC5A/CD5AW060	47,000	TDR	11.80	—	11.80	10.25
	CK3BA060	46,500	TDR	11.20	—	11.20	10.20
	CK5A/CK5BA060	46,000	TDR	11.20	—	11.20	10.20
	CK5A/CK5BW048	46,000	TDR	11.20	—	11.20	9.95
	CK5A/CK5BX060	47,000	TDR	11.80	—	11.80	10.45
	CC5A/CD5AW060*	56,500	NONE	10.80	11.00	11.00	9.70
	CC5A/CD5AA060	54,500	NONE	10.60	10.80	10.80	9.55
	CE3AA060	56,500	NONE	10.80	11.00	11.00	9.80
	CK5A/CK5BA060	54,500	NONE	10.60	10.80	10.80	9.55
	CK5A/CK5BX060	56,500	NONE	10.80	11.00	11.00	9.70
	F(A,B)4AN(F,B,C)060	57,000	TDR	10.80	—	10.80	9.40
	FB4ANB070	57,500	TDR	11.00	—	11.00	9.80
060-E	FC4BNB070	57,500	TDR & TXV	11.00	—	—	9.80
	FC4BN(F,B)060	57,000	TDR & TXV	10.80	—	—	9.40
	FG3AAA060	56,000	NONE	10.80	11.00	11.00	9.65
	FK4CNB006	57,500	TDR & TXV	12.00	—	—	10.30
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AW060	56,500	TDR	11.80	—	11.80	10.30
	CK5A/CK5BW060	56,500	TDR	11.80	—	11.80	10.30

* Tested Combination

† In most cases, only 1 method should be used to achieve TDR function. Using more than 1 method in a system may cause degradation in performance. Use either the accessory Time-Delay Relay KAATD0101TDR or a furnace equipped with TDR. All Bryant furnaces are equipped with TDR except for the 394HAD.

‡ Based on computer simulation. TXV must be hard shutoff type.

NOTES:
1. Ratings are net values reflecting the effects of circulating fan motor heat. Supplemental electric heat is not included.
2. Tested outdoor/indoor combinations have been tested in accordance with DOE test procedures for central air conditioners. Ratings for other combinations are determined under DOE computer simulation procedures.
3. Determine actual CFM values obtainable for your system by referring to fan performance data in fan coil or furnace coil literature.
4. Minimum outdoor operating ambient in cooling mode is 55°F (12.8°C), maximum 125°F (51.7°C).

DETAILED COOLING CAPACITIES*

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**
594D018-E Outdoor Section With CK5A/CK5BA024 Indoor Section																
525	72	19.6	9.74	1.48	18.9	9.46	1.66	18.1	9.17	1.85	17.4	8.90	2.00	16.6	8.60	2.33
	67	18.0	12.4	1.46	17.3	12.1	1.63	16.6	11.8	1.82	15.9	11.5	2.00	15.1	11.2	2.28
	62	16.5	14.9	1.44	15.9	14.6	1.61	15.2	14.3	1.80	14.5	13.9	2.00	13.8	13.5	2.25
	57	15.9	15.9	1.43	15.4	15.4	1.60	14.8	14.8	1.79	14.2	14.2	2.00	13.6	13.6	2.26
600	72	19.9	10.1	1.51	19.2	9.86	1.69	18.4	9.57	1.88	17.6	9.30	2.10	16.7	9.01	2.36
	67	18.3	13.1	1.49	17.6	12.8	1.66	16.9	12.5	1.86	16.1	12.2	2.00	15.3	11.9	2.30
	62	16.8	15.9	1.46	16.2	15.6	1.65	15.5	15.2	1.84	14.8	14.7	2.00	14.1	14.1	2.28
	57	16.4	16.4	1.46	15.9	15.9	1.64	15.3	15.3	1.83	14.7	14.7	2.00	14.1	14.1	2.29
675	72	20.1	10.5	1.54	19.3	10.2	1.72	18.6	9.98	1.92	17.7	9.68	2.10	16.9	9.38	2.38
	67	18.6	13.8	1.52	17.9	13.5	1.70	17.1	13.2	1.89	16.3	12.9	2.10	15.4	12.6	2.33
	62	17.1	16.7	1.51	16.4	16.3	1.68	15.8	15.8	1.87	15.1	15.1	2.00	14.4	14.4	2.31
	57	16.9	16.9	1.49	16.4	16.4	1.68	15.8	15.8	1.87	15.1	15.1	2.00	14.5	14.5	2.32

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	018	0.98	1.00	FK4CNF	001	1.02	0.91
	024	1.00	1.00		002	1.02	0.91
CC5A/CD5AW	024	1.00	1.00	**COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE**			
CE3AA	024	1.00	1.00	CC5A/CD5AA	018	0.97	0.90
CK3BA	024	1.00	1.00		024	1.00	0.90
CK5A/CK5BA	018	0.98	1.00	CK5A/CK5BA	018	0.97	0.90
	024	1.00	1.00		024	1.00	0.90
CK5A/CK5BW	024	1.00	1.00	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
F(A,B)4AN(F,C)	018	0.95	0.98	CC5A/CD5AW	024	1.00	0.93
	024	1.00	0.99	CK5A/CK5BW	024	1.00	0.93
FC4BNF	024	1.00	1.01	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
FF1(B,C,D)NA	018	0.97	0.96	CC5A/CD5AW	024	1.00	0.92
	024	1.00	1.00	CK5A/CK5AW	024	1.00	0.92
FG3AAA	024	0.97	1.00		—	—	—

See notes on page 18.

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**
594D024-E Outdoor Section With CC5A/CD5AA030 Indoor Section																
700	72	25.7	12.8	2.11	24.7	12.4	2.34	23.7	12.1	2.59	22.7	11.7	2.8	21.6	11.3	3.17
	67	23.6	16.3	2.08	22.7	15.9	2.30	21.8	15.5	2.55	20.8	15.2	2.8	19.8	14.8	3.13
	62	21.6	19.7	2.06	20.8	19.3	2.27	19.9	18.8	2.52	19.0	18.4	2.7	18.1	17.8	3.10
	57	20.8	20.8	2.05	20.1	20.1	2.25	19.4	19.4	2.49	18.7	18.7	2.7	17.9	17.9	3.07
800	72	26.0	13.3	2.15	25.0	12.9	2.38	24.0	12.6	2.63	22.9	12.2	2.9	21.8	11.8	3.21
	67	23.9	17.3	2.13	23.0	16.9	2.35	22.0	16.5	2.59	21.0	16.1	2.8	20.0	15.7	3.17
	62	22.0	20.9	2.10	21.1	20.4	2.32	20.2	19.9	2.56	19.3	19.3	2.8	18.5	18.5	3.14
	57	21.5	21.5	2.09	20.8	20.8	2.31	20.1	20.1	2.56	19.3	19.3	2.8	18.5	18.5	3.14
900	72	26.3	13.8	2.19	25.3	13.5	2.42	24.2	13.1	2.67	23.1	12.7	2.9	21.9	12.3	3.25
	67	24.2	18.2	2.17	23.2	17.8	2.39	22.2	17.4	2.63	21.2	17.0	2.9	20.1	16.6	3.21
	62	22.3	22.0	2.14	21.4	21.4	2.36	20.6	20.6	2.60	19.8	19.8	2.8	19.0	19.0	3.18
	57	22.1	22.1	2.14	21.5	21.5	2.37	20.6	20.6	2.60	19.8	19.8	2.8	19.0	19.0	3.18

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	024	1.00	1.00	FG3AAA	024	0.98	1.00
	030	1.00	1.00	FK4CNF	001	1.04	0.94
CC5A/CD5AW	024	1.00	1.00		002	1.05	0.94
	030	1.01	1.00		003	1.06	0.91
CE3AA	024	1.00	1.00	**COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE**			
	030	1.01	1.00	CC5A/CD5AA	030	1.01	0.92
CF5AA	024	1.00	1.00	CE3AA	030	1.01	0.92
CG5AA	024	1.00	1.00	CK5A/CK5BA	030	1.01	0.92
CK3BA	024	1.00	1.00	**COILS + 355MAV042040 VARIABLE SPEED FURNACE**			
	030	1.00	1.00	CC5A/CD5AA	030	1.01	0.94
CK5A/CK5BA	024	1.00	1.00	CK5A/CK5BA	030	1.01	0.94
	030	1.00	1.00	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
CK5A/CK5BW	024	1.00	1.00	CC5A/CD5AA	030	1.01	0.94
F(A,B)4AN(F,C)	024	1.00	1.00	CK5A/CK5BA	030	1.01	0.94
	030	1.02	0.99	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
FC4BNF	024	1.00	1.00	CC5A/CD5AA	030	1.01	0.94
	030	1.02	0.99	CK5A/CK5BA	030	1.01	0.94
FF1(B,C,D)NA	024	1.00	1.01		—	—	—
	030	1.02	1.01				

See notes on page 18.

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**
594D030-E Outdoor Section With CC5A/CD5AA036 Indoor Section																
875	72	32.5	16.1	2.58	31.2	15.6	2.97	29.8	15.1	3.42	28.3	14.5	3.9	26.3	13.8	5.04
	67	29.7	20.4	2.59	28.5	19.9	2.99	27.2	19.3	3.43	25.7	18.7	3.9	23.6	17.9	5.11
	62	27.1	24.5	2.62	26.0	24.0	3.01	24.8	23.3	3.46	23.4	22.6	4.0	21.4	21.4	5.01
	57	26.1	26.1	2.64	25.1	25.1	3.04	24.1	24.1	3.47	23.0	23.0	4.0	21.4	21.4	5.03
1000	72	33.0	16.8	2.61	31.7	16.3	3.00	30.2	15.8	3.44	28.7	15.2	4.0	26.7	14.5	5.04
	67	30.2	21.6	2.62	29.0	21.1	3.02	27.6	20.6	3.46	26.1	20.0	4.0	24.0	19.1	5.12
	62	27.7	26.1	2.64	26.5	25.5	3.04	25.3	24.8	3.48	23.9	23.8	4.1	22.1	22.1	5.12
	57	27.0	27.0	2.66	26.1	26.1	3.06	25.0	25.0	3.50	23.8	23.8	4.0	22.2	22.2	5.07
1125	72	33.4	17.4	2.64	32.0	17.0	3.03	30.6	16.5	3.52	29.0	15.9	4.0	27.0	15.2	5.07
	67	30.6	22.8	2.66	29.4	22.3	3.05	28.0	21.7	3.54	26.4	21.1	4.1	24.3	20.3	5.15
	62	28.2	27.6	2.67	27.0	26.8	3.07	25.8	25.8	3.56	24.5	24.5	4.1	22.6	22.6	5.34
	57	27.9	27.9	2.68	26.9	26.9	3.08	25.8	25.8	3.58	24.6	24.6	4.1	22.8	22.8	5.18

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	030	0.97	1.00	FK4CNF	001	1.01	0.96
	036	1.00	1.00		002	1.01	0.96
CC5A/CD5AW	030	0.97	1.00		003	1.02	0.92
CD5AW	036	1.00	1.00	**COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE**			
CE3AA	030	0.98	1.00	CC5A/CD5AA	036	1.01	0.92
	036	0.99	1.00	CE3AA	036	1.00	0.93
CF5AA	036	1.00	1.00	CK5A/CK5BA	036	1.01	0.93
CK3BA	030	0.97	1.00	**COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE**			
	036	1.00	1.00	CC5A/CD5AA	036	1.01	0.92
CK5A/CK5BA	030	0.97	1.00	CE3AA	036	1.00	0.93
	036	1.00	1.00	CK5A/CK5BA	036	1.01	0.92
CK5A/CK5BW	030	0.97	1.00	**COILS + 355MAV042040 VARIABLE SPEED FURNACE**			
	036	1.00	1.00	CC5A/CD5AA	036	1.01	0.94
F(A,B)4AN(F,C)	030	0.97	0.99	CK5A/CK5BA	036	1.01	0.94
	036	0.99	1.01	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
FC4BNF	030	0.97	0.99	CC5A/CD5AA	036	1.01	0.94
	036	0.99	1.01	CK5A/CK5BA	036	1.01	0.96
FF1(B,C,D)NA	030	0.98	1.00	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
FG3AAA	036	0.99	1.00	CC5A/CD5AA	036	1.01	0.94
	—	—	—	CK5A/CK5BA	036	1.01	0.94

See notes on page 18.

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**
594D036-E Outdoor Section With CC5A/CD5AA042 Indoor Section																
1050	72	39.1	19.4	3.13	37.5	18.8	3.47	35.9	18.3	3.84	34.3	17.7	4.2	32.6	17.7	4.69
	67	35.9	24.7	3.10	34.5	24.1	3.44	33.0	23.5	3.81	31.4	22.9	4.2	29.8	22.2	4.64
	62	32.9	29.8	3.08	31.6	29.2	3.42	30.2	28.5	3.79	28.8	27.7	4.1	27.3	26.9	4.61
	57	31.6	31.6	3.08	30.6	30.6	3.41	29.5	29.5	3.78	28.4	28.4	4.1	27.1	27.1	4.57
1200	72	39.6	20.2	3.19	38.1	19.7	3.53	36.4	19.1	3.91	34.7	18.5	4.3	32.9	17.9	4.75
	67	36.5	26.2	3.16	35.0	25.6	3.50	33.5	25.0	3.87	31.8	24.4	4.2	30.2	23.7	4.70
	62	33.5	31.8	3.14	32.2	31.0	3.48	30.8	30.2	3.84	29.4	29.3	4.2	28.0	28.0	4.66
	57	32.8	32.8	3.14	31.7	31.7	3.48	30.5	30.5	3.85	29.3	29.3	4.2	27.9	27.9	4.64
1350	72	40.0	21.0	3.25	38.4	20.5	3.59	36.7	19.9	3.96	34.9	19.3	4.3	33.1	18.6	4.80
	67	36.9	27.6	3.22	35.3	27.0	3.56	33.8	26.4	3.93	32.1	25.8	4.3	30.4	25.1	4.76
	62	34.0	33.4	3.20	32.7	32.5	3.53	31.3	31.3	3.90	30.1	30.1	4.3	28.7	28.7	4.73
	57	33.7	33.7	3.20	32.6	32.6	3.54	31.3	31.3	3.91	30.1	30.1	4.3	28.6	28.6	4.71

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	036	1.00	1.00	CE3AA	042	0.99	0.95
	042	1.00	1.00	CK5A/CK5BA	042	0.99	0.94
CC5A/CD5AW	042	0.99	1.00	**COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE**			
CD5AW	036	1.00	1.00	CC5A/CD5AA	042	0.99	0.94
CE3AA	036	0.98	1.00	CE3AA	042	0.99	0.95
	042	1.00	1.00	CK5A/CK5BA	042	0.99	0.94
CF5AA	036	1.00	1.00	**COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE**			
CG5AA	036	1.00	1.00	CC5A/CD5AA	042	0.99	0.94
CK3BA	036	1.00	1.00	CE3AA	042	0.99	0.95
	042	1.00	1.00	CK5A/CK5BA	042	0.99	0.94
CK5A/CK5BA	036	1.00	1.00	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
	042	1.00	1.00	CC5A/CD5AA	042	0.99	0.94
CK5A/CK5BW	036	1.00	1.00	CE3AA	042	0.99	0.95
	042	0.99	1.00	CK5A/CK5BA	042	0.99	0.94
F(A,B)4AN(F,C)	036	0.98	1.02	**COILS + 355MAV042040 VARIABLE SPEED FURNACE**			
F(A,B)4AN(F,B,C)	042	1.00	1.01	CC5A/CD5AA	042	0.99	0.93
FC4BN(F,B)	042	1.00	1.01	CK5A/CK5BA	042	0.99	0.93
FC4BNB	054	1.05	1.00	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
FC4BNF	036	0.98	1.02	CC5A/CD5AA	042	0.99	0.93
FG3AAA	036	0.98	1.00	CK5A/CK5BA	042	0.99	0.93
FK4CNB	006	1.03	0.93	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
FK4CNF	001	0.99	0.98	CC5A/CD5AA	042	0.99	0.93
	002	0.99	0.98	CK5A/CK5BA	042	0.99	0.93
	003	1.00	0.93	**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
	005	1.03	0.94	CC5A/CD5AA	042	0.99	0.93
COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE				CK5A/CK5BA	042	0.99	0.93
CC5A/CD5AA	042	0.99	0.94		—	—	—

See notes on page 18.

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**
594D042-E Outdoor Section With CC5A/CD5AA048 Indoor Section																
1225	72	45.8	22.5	3.61	44.0	21.9	3.99	42.3	21.2	4.42‘	40.4	20.5	4.9	38.5	19.8	5.44
	67	42.0	28.4	3.57	40.4	27.8	3.95	38.7	27.1	4.38	37.1	26.4	4.8	35.3	25.7	5.40
	62	38.4	34.2	3.54	36.9	33.5	3.91	35.4	32.7	4.34	33.8	32.0	4.8	32.3	31.1	5.36
	57	36.6	36.6	3.53	35.4	35.4	3.91	34.2	34.2	4.33	33.0	33.0	4.8	31.8	31.8	5.36
1400	72	46.5	23.4	3.68	44.7	22.7	4.06	42.8	22.1	4.49	40.9	21.4	4.9	38.9	20.7	5.51
	67	42.7	30.0	3.64	41.0	29.3	4.02	39.3	28.7	4.45	37.5	27.9	4.9	35.7	27.2	5.46
	62	39.1	36.4	3.61	37.5	35.5	3.98	35.9	34.7	4.41	34.4	33.8	4.8	32.8	32.7	5.42
	57	37.9	37.9	3.60	36.6	36.6	3.98	35.4	35.4	4.41	34.1	34.1	4.8	32.7	32.7	5.43
1575	72	47.0	24.3	3.75	45.1	23.6	4.13	43.2	22.9	4.56	41.3	22.2	5.0	39.2	21.5	5.57
	67	43.2	31.6	3.71	41.5	30.9	4.09	39.7	30.2	4.51	37.9	29.5	4.9	36.1	28.8	5.53
	62	39.6	38.3	3.68	38.1	38.3	4.05	36.5	36.3	4.48	35.0	35.0	4.9	33.6	33.6	5.49
	57	39.0	39.0	3.67	37.7	37.7	4.05	36.4	36.4	4.48	35.0	35.0	4.9	33.6	33.6	5.50

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	042	1.00	1.00	FK4CNF	003	1.00	0.95
CC5A/CD5AC	048	0.99	1.00		005	1.02	0.96
CC5A/CD5AW	042	0.99	1.00	**COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE**			
	048	1.00	1.00	CD5AA	048	1.00	0.93
CD5AA	048	1.00	1.00	CE3AA	048	1.00	0.94
CE3AA	042	1.00	1.00	CK5A/CK5BA	048	1.00	0.93
	048	1.01	1.00	**COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE**			
CF5AA	048	1.01	1.00	CD5AA	048	1.00	0.93
CK3BA	042	1.00	1.00	CE3AA	048	1.00	0.94
	048	1.00	1.00	CK5A/CK5BA	048	1.00	0.93
CK5A/CK5BA	042	1.00	1.00	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
	048	1.00	1.00	CD5AA	048	1.00	0.93
CK5A/CK5BW	042	0.99	1.00	CE3AA	048	1.00	0.94
	048	1.00	1.00	CK5A/CK5BA	048	1.00	0.93
F(A,B)4AN(F,B,C)	042	1.00	1.01	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
	048	1.01	1.02	CD5A/CD5BA	048	1.00	0.92
FC4BN(F,B)	042	1.00	1.01	CK5A/CK5BA	048	1.00	0.92
	048	1.01	1.02	**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
FC4BNB	054	1.04	1.00	CD5AA	048	1.00	0.92
FG3AAA	048	1.00	1.00	CK5A/CK5BA	048	1.00	0.92
FK4CNB	006	1.04	0.94		—	—	—

See notes on page 18.

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**
594D048-E, F Outdoor Section With CC5A/CD5AA060 Indoor Section																
1500	72	52.3	25.6	4.37	50.2	24.8	4.90	47.9	24.0	5.48	45.6	23.1	6.11	43.1	22.2	6.78
	67	48.3	32.5	4.35	46.3	31.7	4.87	44.2	30.8	5.45	42.1	29.9	6.08	39.8	29.0	6.73
	62	44.4	39.2	4.34	42.5	38.3	4.86	40.6	37.3	5.43	38.5	36.2	6.05	36.5	35.1	6.70
	57	42.0	42.0	4.29	40.5	40.5	4.81	39.0	39.0	5.38	37.4	37.4	5.99	35.7	35.7	6.64
1700	72	53.1	26.6	4.45	50.8	25.8	4.97	48.5	24.9	5.55	46.1	24.1	6.19	43.5	23.1	6.86
	67	49.1	34.2	4.42	47.0	33.4	4.95	44.8	32.5	5.52	42.5	31.6	6.15	40.2	30.6	6.81
	62	45.1	41.5	4.41	43.2	40.5	4.93	41.2	39.4	5.50	39.1	38.2	6.12	37.1	36.8	6.78
	57	43.4	43.4	4.37	41.8	41.8	4.89	40.2	40.2	5.46	38.5	38.5	6.08	36.8	36.8	6.73
1800	72	53.4	27.0	4.49	51.1	26.2	5.01	48.7	25.4	5.59	46.3	24.5	6.22	43.7	23.6	6.90
	67	49.3	35.0	4.46	47.3	34.2	4.98	45.1	33.3	5.56	42.8	32.4	6.19	40.4	31.4	6.85
	62	45.4	42.5	4.44	43.5	41.5	4.97	41.5	40.3	5.54	39.4	39.0	6.16	37.4	37.4	6.82
	57	44.0	44.0	4.41	42.4	42.4	4.93	40.8	40.8	5.50	39.1	39.1	6.12	37.3	37.3	6.78

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	1.00	1.00	CK5A/CK5BX	060	1.00	0.94
CC5A/CD5AC	048	0.96	0.99	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
CC5A/CD5AW	048	0.98	1.00	CC5A/CD5AA	060	0.99	0.95
	060	1.03	1.00	CC5A/CD5AW	048	0.98	0.95
CD5AA	048	0.99	1.00		060	1.00	0.95
CE3AA	048	0.99	1.00	CK3BA	060	0.99	0.95
	060	1.03	1.00	CK5A/CK5BA	060	0.99	0.95
CF5AA	048	0.99	0.99	CK5A/CK5BW	048	0.98	0.95
CK3BA	048	0.99	1.00	CK5A/CK5BX	060	1.00	0.95
	060	1.00	1.00	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
CK5A/CK5BA	048	0.99	1.00	CD5AA	048	0.98	0.97
	060	1.00	1.00	CK3BA	048	0.98	0.97
CK5A/CK5BN	048	0.96	0.98	CK5A/CK5BA	048	0.98	0.97
	060	1.00	1.00	**COILS + 355MAV060080 VARIABLE SPEED FURNACE**			
CK5A/CK5BT	048	0.99	1.00	CC5A/CD5AA	060	0.98	0.98
	060	1.00	1.00	CC5A/CD5AW	060	1.00	0.98
CK5A/CK5BW	048	0.99	1.00	CD5AA	048	0.98	0.98
CK5A/CK5BX	060	1.03	1.00	CK3BA	048	0.98	0.98
F(A,B)4AN(F,B,C)	048	0.99	1.02	CK5A/CK5BA	060	0.99	0.98
	060	1.03	1.03	CK5A/CK5BX	060	1.00	0.98
FB4ANB	070	1.03	1.02	CK5ACK5BA	048	0.98	0.98
FC4BN(F,B)	048	1.00	1.02	**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
	060	1.03	1.03	CC5A/CD5AA	060	0.98	0.96
FC4BNB	070	1.03	1.02	CC5A/CD5AC	048	0.96	0.97
FG3AAA	048	0.98	1.00	CC5A/CD5AW	060	1.00	0.96
	060	1.01	1.00	CD5AA	048	0.98	0.96
FK4CNB	006	1.04	0.94	CK3BA	048	0.98	0.96
FK4CNF	005	1.03	0.95		060	0.99	0.96
COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE				CK5A/CK5BA	048	0.98	0.96
CC5A/CD5AC	048	0.96	0.97	CK5A/CK5BA	060	0.98	0.96
CD5AA	048	0.98	0.97	CK5A/CK5BX	060	1.00	0.96
CK3BA	048	0.98	0.97	**COILS + 355MAV060120 VARIABLE SPEED FURNACE**			
CK5A/CK5BA	048	0.98	0.97	CC5A/CD5AA	060	0.98	0.96
COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE				CC5A/CD5AW	048	0.98	0.96
CC5A/CD5AA	060	1.00	0.94		060	1.00	0.96
CC5A/CD5AW	048	0.98	0.94	CK3BA	060	0.99	0.96
	060	1.00	0.94	CK5A/CK5BA	060	0.98	0.96
CK3BA	060	1.00	0.94	CK5A/CK5BW	048	0.98	0.96
CK5A/CK5BA	060	1.00	0.94	CK5A/CK5BX	060	1.00	0.96
CK5A/CK5BW	048	0.98	0.94		—	—	—

See notes on page 18.

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**
594D060-E Outdoor Section With CC5A/CD5AW060 Indoor Section																
1750	72	63.4	31.4	5.42	61.0	30.4	5.88	58.2	29.4	6.35	54.9	28.2	6.7	50.9	26.8	7.13
	67	57.8	39.6	5.36	55.4	38.6	5.79	52.5	37.5	6.21	49.0	36.1	6.5	44.8	34.4	6.76
	62	52.4	47.6	5.28	49.9	46.4	5.68	46.9	44.8	6.02	43.4	42.8	6.2	39.7	39.7	6.37
	57	50.2	50.2	5.20	48.2	48.2	5.59	45.9	45.9	5.93	43.2	43.2	6.2	40.1	40.1	6.37
2000	72	64.7	32.8	5.44	62.1	31.8	5.91	59.3	30.8	6.38	56.0	29.7	6.8	52.1	28.3	7.22
	67	59.0	42.0	5.38	56.5	41.0	5.82	53.6	39.9	6.26	50.2	38.5	6.6	46.1	37.0	6.89
	62	53.6	50.7	5.31	51.1	49.4	5.72	48.3	47.6	6.10	45.1	45.1	6.3	41.9	41.9	6.59
	57	52.2	52.2	5.24	50.3	50.3	5.65	48.0	48.0	6.03	45.4	45.4	6.3	42.3	42.3	6.57
2250	72	65.7	34.1	5.34	62.9	33.1	5.93	60.1	32.1	6.42	56.9	31.0	6.8	53.0	29.7	7.30
	67	60.0	44.4	5.28	57.4	43.3	5.86	54.5	42.2	6.30	51.2	40.9	6.7	47.0	39.3	7.00
	62	54.6	53.4	5.34	52.2	51.8	5.77	49.6	49.6	6.17	46.9	46.9	6.5	43.7	43.7	6.76
	57	54.0	54.0	5.27	52.0	52.0	5.69	49.8	49.8	6.10	47.2	47.2	6.4	44.0	44.0	6.74

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	060	0.96	0.98	FC4BNB	070	1.02	1.02
CC5A/CD5AW	060	1.00	1.00	FC4BN(F,B)	060	1.01	1.04
CE3AA	060	1.00	1.00	FG3AAA	060	0.99	1.00
CK5A/CK5BA	060	0.96	0.98	FK4CNB	006	1.02	0.97
CK5A/CK5BX	060	1.00	1.00	**COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE**			
F(A,B)4AN(F,B,C)	060	1.01	1.04	CC5A/CD5AW	060	1.00	0.94
FB4ANB	070	1.02	1.02	CK5A/CK5BW	060	1.00	0.94

* Detailed cooling capacities are based on indoor and outdoor unit at the 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). When the required data falls between the published data, interpolation may be performed.

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

CONDENSER ONLY RATINGS*

SST °F		CONDENSER ENTERING AIR TEMPERATURES °F						
		55	65	75	85	95	105	115
594D018-E								
30	TCG SDT KW	16.9 77.1 0.809	16.2 86.9 0.930	15.4 96.8 1.07	14.6 107.0 1.22	13.8 116.00 1.38	12.9 126.0 1.55	12.0 136.0 1.74
35	TCG SDT KW	18.6 78.3 0.824	17.8 88.0 0.944	16.9 97.8 1.08	16.1 108.0 1.23	15.2 117. 1.40	14.3 127.0 1.57	13.4 137.0 1.77
40	TCG SDT KW	20.3 79.8 0.841	19.4 89.4 0.962	18.6 99.2 1.10	17.7 109.0 1.25	16.7 119.0 1.42	15.8 128.0 1.60	14.8 138.0 1.79
45	TCG SDT KW	22.1 81.6 0.863	21.2 91.0 0.983	20.3 101.0 1.12	19.3 110.0 1.27	18.3 120.0 1.44	17.3 130.0 1.62	16.3 139.0 1.82
50	TCG SDT KW	24.0 83.5 0.887	23.1 92.8 1.01	22.1 102.0 1.15	21.1 112.0 1.30	20.0 122.0 1.47	19.0 131.0 1.65	17.8 141.0 1.85
55	TCG SDT KW	26.1 85.5 0.914	25.1 94.7 1.03	24.0 104.0 1.17	22.9 114.0 1.33	21.8 123.0 1.50	20.7 133.0 1.68	19.5 142.0 1.89
594D024-E								
30	TCG SDT KW	22.1 81.1 1.25	21.1 90.3 1.40	20.1 99.6 1.57	19.0 109.0 1.75	17.8 119.0 1.96	16.8 128.0 2.18	15.8 138.0 2.44
35	TCG SDT KW	24.2 83.1 1.26	23.2 92.3 1.42	22.1 102.0 1.59	21.0 111.0 1.78	19.8 120.0 1.99	18.6 130.0 2.21	17.5 139.0 2.47
40	TCG SDT KW	26.4 85.3 1.28	25.4 94.4 1.44	24.3 104.0 1.62	23.1 113.0 1.81	21.8 122.0 2.02	20.6 131.0 2.25	19.3 141.0 2.51
45	TCG SDT KW	28.6 87.6 1.29	27.7 96.6 1.46	26.5 106.0 1.64	25.3 115.0 1.84	24.0 124.0 2.05	22.6 133.0 2.29	21.3 143.0 2.55
50	TCG SDT KW	31.0 90.0 1.30	30.1 99.0 1.48	28.9 108.0 1.66	27.6 117.0 1.87	26.3 126.0 2.09	24.8 135.0 2.33	23.4 145.0 2.60
55	TCG SDT KW	33.5 92.7 1.32	32.5 101.0 1.49	31.4 110.0 1.69	30.0 120.0 1.90	28.6 129.0 2.13	27.1 138.0 2.38	25.6 147.0 2.65
594D030-E								
30	TCG SDT KW	28.3 80.4 1.47	27.0 90.3 1.72	25.7 100.0 1.99	24.2 110.0 2.30	22.8 120.0 2.63	21.2 130.0 2.99	19.7 140.0 3.34
35	TCG SDT KW	31.0 82.0 1.46	29.6 91.9 1.71	28.2 102.0 1.99	26.7 112.0 2.30	25.1 122.0 2.64	23.5 132.0 3.00	21.8 142.0 3.39
40	TCG SDT KW	33.9 83.8 1.45	32.4 93.6 1.70	30.9 104.0 1.99	29.3 113.0 2.30	27.6 123.0 2.65	25.9 133.0 3.02	24.1 144.0 3.42
45	TCG SDT KW	36.9 85.7 1.44	35.3 95.5 1.70	33.7 105.0 1.98	32.0 115.0 2.30	30.2 125.0 2.66	28.4 135.0 3.04	26.5 145.0 3.45
50	TCG SDT KW	40.1 87.8 1.43	38.4 97.4 1.69	36.7 107.0 1.98	34.9 117.0 2.31	33.0 127.0 2.66	31.0 137.0 3.05	29.0 147.0 3.47
55	TCG SDT KW	43.5 90.0 1.43	41.7 99.7 1.69	39.8 109.0 1.98	37.9 119.0 2.31	35.9 129.0 2.67	33.8 139.0 3.07	31.7 149.0 3.50
594D036-E								
30	TCG SDT KW	33.8 77.3 1.87	32.3 87.0 2.11	30.7 96.9 2.37	29.1 107.0 2.66	27.4 117.0 2.98	25.7 126.0 3.32	23.9 136.0 3.68
35	TCG SDT KW	37.0 78.6 1.89	35.4 88.3 2.12	33.8 98.1 2.39	32.0 108.0 2.68	30.3 118.0 3.00	28.4 128.0 3.35	26.6 137.0 3.72
40	TCG SDT KW	40.5 80.3 1.91	38.8 89.8 2.14	37.0 99.5 2.41	35.2 109.0 2.70	33.3 119.0 3.03	31.3 129.0 3.39	29.4 139.0 3.76
45	TCG SDT KW	44.1 82.1 1.93	42.3 91.5 2.17	40.5 101.0 2.44	38.5 111.0 2.73	36.5 121.0 3.06	34.4 130.0 3.42	32.3 140.0 3.81
50	TCG SDT KW	48.0 84.0 1.96	46.1 93.3 2.20	44.1 103.0 2.47	42.0 112.0 2.76	39.9 122.0 3.10	37.7 132.0 3.46	35.4 142.0 3.86
55	TCG SDT KW	52.1 86.1 1.99	50.0 95.3 2.23	47.9 105.0 2.50	45.7 114.0 2.80	43.4 124.0 3.14	41.1 133.0 3.50	38.6 143.0 3.91

See notes on page 20.

CONDENSER ONLY RATINGS* Continued

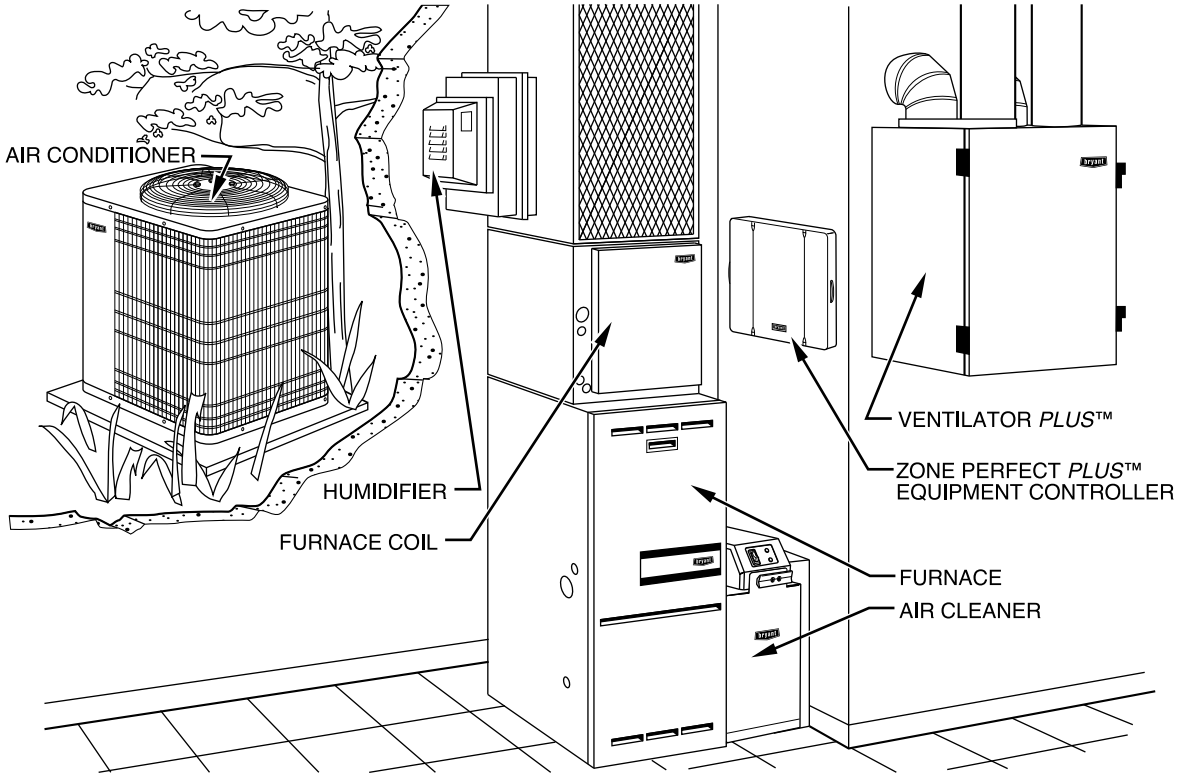
SST °F		CONDENSER ENTERING AIR TEMPERATURES °F						
		55	65	75	85	95	105	115
594D042-E								
30	TCG	39.4	37.6	35.7	33.9	32.0	30.2	28.4
	SDT	77.0	86.9	96.8	107.0	117.0	127.0	137.0
	KW	2.17	2.43	2.72	3.04	3.40	3.81	4.26
35	TCG	43.3	41.4	39.4	37.4	35.4	33.4	31.4
	SDT	78.5	88.2	98.0	108.0	118.0	128.0	138.0
	KW	2.19	2.45	2.74	3.07	3.43	3.84	4.30
40	TCG	47.5	45.4	43.3	41.1	39.0	36.8	34.6
	SDT	80.0	89.7	99.5	109.0	119.0	129.0	139.0
	KW	2.21	2.48	2.77	3.10	3.47	3.88	4.34
45	TCG	51.8	49.6	47.4	45.1	42.7	40.4	38.1
	SDT	81.7	91.4	101.0	111.0	121.0	131.0	141.0
	KW	2.24	2.51	2.80	3.14	3.51	3.92	4.39
50	TCG	56.4	54.1	51.7	49.2	46.7	44.2	41.7
	SDT	83.6	93.2	103.0	113.0	122.0	132.0	142.0
	KW	2.27	2.54	2.84	3.18	3.55	3.97	4.44
55	TCG	61.2	58.8	56.2	53.6	51.0	48.3	45.6
	SDT	85.6	95.1	105.0	114.0	124.0	134.0	144.0
	KW	2.31	2.58	2.88	3.22	3.60	4.03	4.50
594D048-E, F								
30	TCG	46.0	43.8	41.6	39.3	36.9	34.4	32.0
	SDT	80.1	89.8	99.6	109.0	119.0	129.0	139.0
	KW	2.46	2.82	3.22	3.65	4.13	4.64	5.17
35	TCG	50.4	48.1	45.7	43.2	40.7	38.1	35.5
	SDT	81.9	91.6	101.0	111.0	121.0	131.0	140.0
	KW	2.49	2.85	3.25	3.69	4.18	4.71	5.25
40	TCG	55.1	52.6	50.1	47.4	44.7	41.9	39.1
	SDT	83.9	93.4	103.0	113.0	123.0	132.0	142.0
	KW	2.52	2.88	3.29	3.74	4.23	4.77	5.34
45	TCG	60.0	57.4	54.7	51.9	49.0	46.0	43.0
	SDT	86.0	95.5	105.0	115.0	124.0	134.0	144.0
	KW	2.55	2.92	3.33	3.79	4.29	4.84	5.43
50	TCG	65.2	62.4	59.6	56.6	53.5	50.3	47.1
	SDT	88.3	97.7	107.0	117.0	126.0	136.0	146.0
	KW	2.59	2.96	3.38	3.84	4.35	4.91	5.51
55	TCG	70.7	67.7	64.6	61.5	58.2	54.8	51.3
	SDT	90.7	100.0	109.0	119.0	128.0	138.0	148.0
	KW	2.64	3.01	3.43	3.90	4.42	4.98	5.60
594D060-E								
30	TCG	55.1	52.7	50.1	47.4	44.8	42.2	39.5
	SDT	80.2	89.9	99.7	109.0	119.0	129.0	139.0
	KW	3.06	3.44	3.86	4.34	4.87	5.46	6.07
35	TCG	60.3	57.7	55.0	52.1	49.2	46.4	43.5
	SDT	82.1	91.8	101.0	111.0	121.0	131.0	141.0
	KW	3.10	3.49	3.92	4.40	4.93	5.53	6.17
40	TCG	65.7	63.0	60.1	57.1	54.0	50.9	47.8
	SDT	84.1	93.7	103.0	113.0	123.0	133.0	143.0
	KW	3.16	3.55	3.99	4.47	5.01	5.61	6.27
45	TCG	71.4	68.6	65.6	62.3	59.0	55.6	52.3
	SDT	86.3	95.9	105.0	115.0	125.0	135.0	144.0
	KW	3.21	3.62	4.06	4.55	5.09	5.69	6.36
50	TCG	77.4	74.5	71.3	67.8	64.3	60.6	57.0
	SDT	88.6	98.1	108.0	117.0	127.0	136.0	146.0
	KW	3.28	3.69	4.14	4.64	5.19	5.79	6.46
55	TCG	83.8	80.7	77.3	73.7	69.9	66.0	62.0
	SDT	91.1	101.0	110.0	120.0	129.0	139.0	148.0
	KW	3.35	3.77	4.23	4.74	5.29	5.90	6.58

* ARI listing applies only to systems shown in Performance Data table.
KW — Total Power (Kw)
SDT — Saturated Temperature Leaving Compressor (°F)
SST — Saturated Temperature Entering Compressor (°F)
TCG — Gross Cooling Capacity (1000 Btuh)

SYSTEM DESIGN SUMMARY

1. Intended for outdoor installation with free air inlet and outlet. Outdoor fan external static pressure available is less than 0.01 in. wc.
2. Minimum outdoor operating air temperature without low-ambient operation accessory is 55°F (12.8°C).
3. Maximum outdoor operating air temperature is 125°F (51.7°C).
4. For reliable operation, unit should be level in all horizontal planes.
5. Maximum elevation of indoor coil above or below base of outdoor unit is: Indoor coil above = 50 ft. Indoor coil below = 150 ft.
6. For interconnecting refrigerant tube lengths greater than 50 ft, consult Residential Split System Long-Line Application Guidelines available from equipment distributor.
7. Crankcase heater required when interconnecting refrigerant tube length exceeds 50 ft.
8. Not more than 3 ft of refrigerant tube should be buried in the ground. If necessary to bury tubes under a sidewalk, provide a minimum 6-in. vertical rise to the valve connections at the unit. For buried lines longer than 3 ft, consult your local distributor.
9. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
10. Mix-matches of indoor coil capacity more than 1 size larger than outdoor unit capacity may result in inadequate indoor comfort.
11. Do not apply capillary tube indoor coils to these units.

MATCHED SYSTEM



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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 210.

Unit will be certified for capacity, 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.

Unit constructed in ISO 9001 approved facility.

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 (R22), 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 line shutoff valves with sweat connections, system charge of R22 (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 an SEER of _____ Btuh/watt or greater at DOE conditions.

Electrical Requirements

Nominal unit electrical characteristics will be _____ v, single phase, 60 hertz. 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 594D.18.6

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