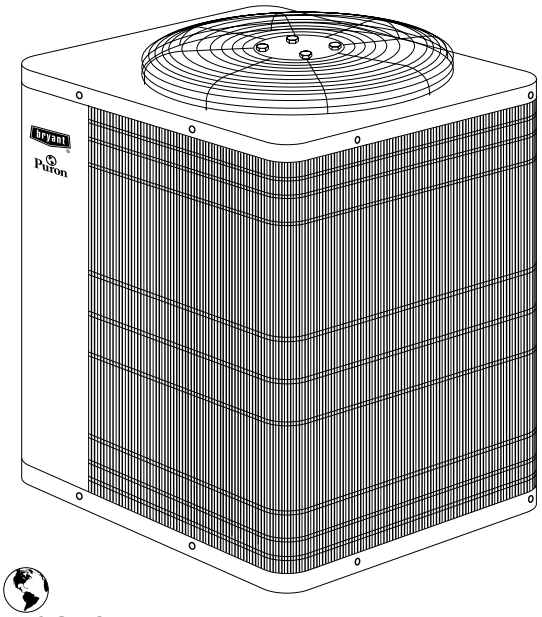
bryant
Heating & Cooling Systems

DELUXE 11 SEER AIR CONDITIONER WITH PURON® (R-410A)

591B (60 Hz)

Sizes 018 thru 060



Puron®
the environmentally sound refrigerant

Bryant's Quantum Plus 591B with Puron® provides features which cannot be matched by any other family of equipment. The 591B is a Quantum Plus air conditioning system utilizing Bryant's unique Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer. Bryant's Quantum Plus systems meet the Energy Star® guidelines for energy efficiency.

AVAILABLE OPTIONS

Puron® Environmentally Sound Refrigerant—Is Bryant's unique refrigerant designed to help protect the environment. Puron is an HFC refrigerant which does not contain chlorine that can harm the ozone layer. The most important advantage of Puron refrigerant is that it has not been banned in future air conditioning systems as the traditional refrigerant R-22 has been. Puron refrigerant is in service in thousands of systems proving highly reliable, environmentally sound performance.

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.

High Efficiency Performance—Is delivered through a combination of features including Bryant's Puron refrigerant, unique scroll compressor, and advanced heat transfer surfaces. Efficiency ratings are 11 to 12.5 SEER (Seasonal Energy Efficiency Ratio). Sophisticated heat transfer surfaces utilized in Bryant's 591B design allow heat to easily be transferred to the outdoor air and require less energy. The unique scroll compressor found in the 591B design performs quietly and adds to the overall efficiency of the system. Finally, Bryant's unique Puron refrigerant operates more efficiently than ordinary R-22 refrigerant found in other systems. The efficiency levels provided by the 591B provide end users with lower costs of operation than traditional air conditioning systems.

Assured Future Service—By utilizing the environmentally sound refrigerant, Puron®, 591B models will remain serviceable well into the future. The Clean Air Act of 1990 has placed a cap on production of most other refrigerants which has scheduled reductions beginning in 2004. The resulting cap in production ultimately results in a complete ban on many other refrigerants in new equipment by the year 2010. These changes, required by federal law, mean the supply of other refrigerants may be limited in the near future making Puron the correct choice when considering long term serviceability.

Highly Reliable Performance—Is delivered through the superior design of the system and componentry. The reliability of the existing Quantum Plus models has been proven to provide the lowest incidence of warranty service of any product in the Bryant family in the past few years of service. Long term reliability is assured through the use of both high and low pressure switches which will not allow the system to operate in the event of a significant change in operating pressure. In doing this, the system is protected from damage if an unusual condition arises. Finally, Bryant includes a special liquid line filter drier designed to trap moisture and contaminants which could otherwise shorten the life of the system.

Application Versatility—Bryant's systems utilizing Puron refrigerant have the same application guidelines as other systems. Applications which include long line sets (50 to 175 ft) or applications which require the system to operate at low outdoor temperatures (below 55°F) are approved under Bryant's standard guidelines.

Bryant Coils and Fan Coils to Complete the System—Bryant specially designs both the outdoor product and indoor coil products to operate with assured reliability and performance. A wide range of indoor coil options are listed in the ratings section of this publication.

Special Protective Devices—High and low pressure switches and internal protection in the compressor including temperature and current sensing overloads prevent operation under potentially damaging circumstances. A special liquid line filter drier designed to trap nearly 4 times the volume of contaminants of standard driers provides superior protection from moisture trapped in the system.

Electrical Range—208/230v, single phase.

Wide Range of Sizes—Available in seven sizes; 1-1/2, 2, 2-1/2, 3, 3-1/2, 4, and 5 tons.

Reliant Cabinet—Galvanized steel is coated with powder paint to provide a superior, long lasting appearance.

Totally Enclosed Fan Motor—Protected from adverse weather conditions.

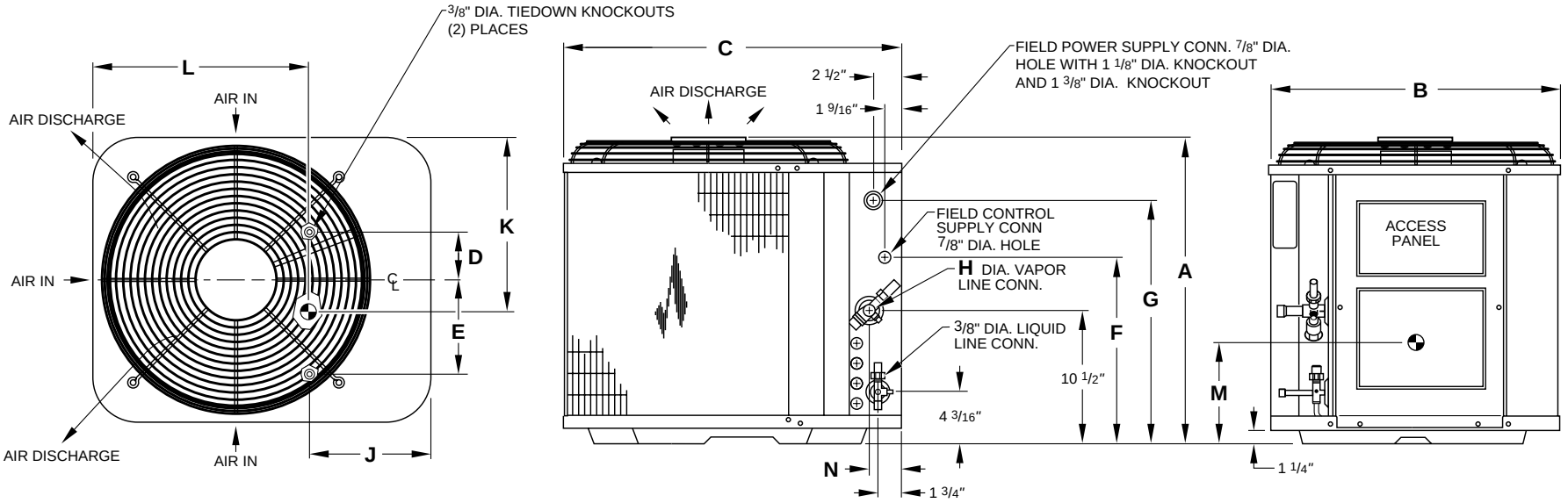
Unit Design—Enhanced copper and aluminum heat transfer surfaces with vertical air discharge to direct air up and away from the area.

External Service Valves—Both service valves are back seating type valves which are externally located. These unique valves allow service technicians to evacuate or charge the system in less time than standard service valves.

Easy Serviceability—One panel provides access to electrical controls and compressor. Removal of wire dome gives access to fan motor and removal of the top gives access to the coil.

Agency Approvals—591B models are listed with UL, c-UL, ARI, CEC, and CSA-EEV. Special endorsements have also been awarded these products by Energy Star® which recognizes energy efficient products.

Limited Warranty—A standard five year warranty on parts with a 10 year limited warranty on the compressor. Optional warranties are available through your Bryant distributor.



NOTES:

1. ALLOW 30" CLEARANCE TO SERVICE SIDE OF UNIT, 48" ABOVE UNIT, 6" ON ONE SIDE, 12" ON REMAINING SIDE, AND 24" BETWEEN UNITS FOR PROPER AIRFLOW.
2. MINIMUM OUTDOOR OPERATING AMBIENT IN COOLING MODE IS 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 ⊕.

A99067

DIMENSIONS (IN.)

UNIT SIZE	SERIES	UNIT DIMENSIONS													MINIMUM MOUNTING PAD DIMENSIONS
		A	B	C	D	E	F	G	H	J	K	L	M	N	
018	A	23-13/16	22-1/2	27-1/2	2-13/16	6-15/16	13-15/16	18-3/8	5/8	8-3/16	12-1/2	14	16-1/2	2-3/8	20 x 32
024	A	27-13/16	22-1/2	27-1/2	2-13/16	6-15/16	15-15/16	22-3/8	5/8	8-3/16	12-1/2	14	16-1/2	2-15/16	20 x 32
030	A	27-13/16	22-1/2	27-1/2	2-13/16	6-15/16	15-15/16	22-3/8	3/4	8-3/16	12-1/2	14	16-1/2	2-15/16	20 x 32
036	A	33-13/16	22-1/2	27-1/2	2-13/16	6-15/16	21-15/16	28-3/8	3/4	8-3/16	12-1/2	14	17-1/2	2-15/16	20 x 32
042	A	27-13/16	30	33	5-1/16	9-11/16	15-15/16	22-3/8	7/8	8-3/16	18-1/2	19-3/4	13	2-15/16	26 x 32
048	A	27-13/16	30	33	5-1/16	9-11/16	15-15/16	22-3/8	7/8	8-3/16	18-1/2	19-3/4	13	2-15/16	26 x 32
060	A	39-13/16	30	33	5-1/16	9-11/16	27-15/16	34-3/8	7/8	8-3/16	17-3/4	19	17-3/4	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	3/8	3/8	5/8	3/4
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 greater than 50 ft, consult Application Guideline and Service Manual—Air Conditioners and Heat Pumps Using Puron® Refrigerant.

CHECK-FLO-RATER® PISTON

UNIT SIZE–SERIES	PISTON* IDENTIFICATION NO.
018-A	49
024-A	59
030-A	63
036-A	67
042-A	73
048-A	78
060-A	90

* 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.

CHARGING SUBCOOLING (TXV-TYPE EXPANSION DEVICE*)

UNIT SIZE–SERIES	REQUIRED SUBCOOLING (°F)
018-A	15
024-A	15
030-A	16
036-A	18
042-A	18
048-A	16
060-A	14

* Must be a Puron® approved hard shutoff TXV.

As an ENERGY STAR® partner, Bryant Heating & Cooling Systems has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

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

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

CERTIFICATE NO. FM 28768

REGISTERED QUALITY SYSTEM

SPECIFICATIONS

UNIT SIZE-SERIES	018-A	024-A	030-A	036-A
Operating Weight (Lb)	168	178	188	198
ELECTRICAL				
Unit Volts—Hertz—Phase	208/230-60-1			
Operating Voltage Range*	187-253			
Compressor— Rated Load Amps	10.3	13.5	15.4	17.9
Locked Rotor Amps	51.0	61.0	73.0	100.0
Condenser Fan Motor—Full Load Amps	0.50	0.75	0.75	1.40
Min Unit Ampacity for Wire Sizing	13.4	17.4	19.2	20.1
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 (Ft) (60°C Copper)‡	56	44	39	52
Max Wire Length (Ft) (75°C Copper)‡	54	42	37	50
Max Branch Circuit Fuse or Circuit Breaker Size (Amps)	20	30	30	40
COMPRESSOR & REFRIGERANT				
Compressor— Type	Scroll			
Manufacturer	Copeland			
Temperature & Current Protection	Internal Line Break			
Refrigerant— Type	Puron® (R-410A)			
Amount (Lb)	4.15	4.66	5.28	6.13
CONDENSER COIL & FAN				
Coil Face Area (Sq Ft)	7.27	8.72	8.72	10.9
Fins per In.—Rows—Circuits	20—1—1	25—1—2	25—1—2	25—1—2
Fan Motor—HP (PSC) & RPM	1/12 & 1100	1/10 & 1100	1/10 & 1100	1/10 & 1100
Volts—Hertz—Phase	208/230-60-1			
Condenser Airflow (CFM)	1700	2000	2000	2500
OPTIONAL EQUIPMENT				
Support Feet	KSASF0101AAA			
Coastal Filter	KAACF0701SML			
Time Delay Relay	KAATD0101TDR			
Cycle Protector	KSACY0101AAA			
Crankcase Heater	KAACH1201AAA			
Start Assist—Capacitor/Relay Type	KSAHS1701AAA	KSAHS1501AAA		
Start Assist—PTC Type	KAACS0201PTC			
TXV (Hard Shutoff)	KSATX0201HSZ			KSATX0301HSZ
Piston Body	KSAPX0101PIS			
Filter Drier (Suction Line)	KH45LG140			
Evaporator Freeze Thermostat†† (RCD)	KAAFT0101AAA			
Liquid-Line Solenoid Valve	KAALS0201LLS			
Winter Start Control††	KAAWS0101AAA			
Low-Ambient Pressure Switch	KSALA0301410			
MotorMaster® Control** (RCD)	32LT660004			
Ball Bearing Fan Motor (RCD)	HC34GE232			
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			
Thermidistat™ Control— Programmable Thermostat with Humidity Control	TSTATBBPRH01-B			
Builder's Thermostat—Manual Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBBAC01-B			
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 5.

SPECIFICATIONS Continued

UNIT SIZE-SERIES	042-A	048-A	060-A
Operating Weight (Lb)	215	217	278
ELECTRICAL			
Unit Volts—Hertz—Phase	208/230-60-1		
Operating Voltage Range*	187-253		
Compressor—Rated Load Amps	19.9	24.4	30.1
Locked Rotor Amps	127.0	131.0	172.0
Condenser Fan Motor—Full Load Amps	1.10	1.40	1.40
Min Unit Ampacity for Wire Sizing	24.4	26.7	35.9
Min Wire Size (60°C Copper) AWG†	10	8	8
Min Wire Size (75°C Copper) AWG†	10	10	8
Max Wire Length (Ft) (60°C Copper)‡	77	97	80
Max Wire Length (Ft) (75°C Copper)‡	73	59	76
Max Branch Circuit Fuse or Circuit Breaker Size (Amps)	40	50	60
COMPRESSOR & REFRIGERANT			
Compressor—Type	Scroll		
Manufacturer	Copeland		
Temperature & Current Protection	Internal Line Break		
Refrigerant—Type	Puron® (R-410A)		
Amount (Lb)	6.33	6.83	7.93
CONDENSER COIL & FAN			
Coil Face Area (Sq Ft)	12.16	12.16	18.3
Fins per In.—Rows—Circuits	25—1—2	25—1—2	25—1—3
Fan Motor—HP (PSC) & RPM	1/5 & 825	1/4 & 1100	1/4 & 1100
Volts—Hertz—Phase	208/230-60-1		
Condenser Airflow (CFM)	2800	3400	3400
OPTIONAL EQUIPMENT			
Support Feet	KSASF0101AAA		
Coastal Filter	KAACF0801MED		
Time Delay Relay	KAATD0101TDR		
Cycle Protector	KSACY0101AAA		
Crankcase Heater	KAACH1201AAA		
Start Assist—Capacitor/Relay Type	KSAHS1501AAA		KSAHS1601AAA
Start Assist—PTC Type	KAACS0201PTC		
TXV (Hard Shutoff)	KSATX0301HSZ	KSATX0401HSZ	KSATX0501HSZ
Piston Body	KSAPX0101PIS		
Filter Drier (Suction Line) (RCD)	KH45LG141		
Evaporator Freeze Thermostat††	KAAFT0101AAA		
Liquid-Line Solenoid Valve	KAALS0201LLS		
Winter Start Control††	KAAWS0101AAA		
Low-Ambient Pressure Switch	KSALA0301410		
MotorMaster® Control**	32LT660004		
Ball Bearing Fan Motor (RCD)	HC38GE231	HC40GE232	
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		
Thermidistat™ Control—Programmable Thermostat with Humidity Control	TSTATBBPRH01-B		
Builder's Thermostat—Manual Changeover, Non-Programmable, °F/°C, 1-Stage Heat, 1-Stage Cool	TSTATBBBAC01-B		
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		

* Permissible limits of the voltage range at which the unit will operate satisfactorily. Operation outside these limits may result in unit failure.
† If wire is applied at ambient greater than 30°C (86°F), consult Table 310-16 of the NEC (ANSI/NFPA 70).
The ampacity of nonmetallic-sheathed cable (NM), trade name ROMEX, shall be that of 60°C (140°F) conductors, per the NEC (ANSI/NFPA 70) Article 336-26. If other than uncoated (non-plated), 60 or 75°C (140 or 167°F) insulation, copper wire (solid wire for 10 AWG and smaller, stranded wire for larger than 10 AWG) is used, consult applicable tables of the NEC (ANSI/NFPA 70).
‡ Length shown is as measured 1 way along wire path between unit and service panel for a voltage drop not to exceed 2%.
** Fan motor with ball bearings required.
†† See low-ambient controller Installation Instructions for application.
N/A — Not Applicable.
NOTE: Copper wire must be used from service disconnect to unit. All motors/compressors contain internal overload protection.

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
MotorMaster® Control, or Low-Ambient Pressure Switch	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 greater than 50 ft, refer to Application Guideline and Service Manual—Air Conditioning and Heat Pumps Using Puron® Refrigerant.

† Only when low-pressure switch is used.

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

ACCESSORY DESCRIPTION AND USAGE (Listed Alphabetically)

1. **Ball Bearing Fan Motor**
   A fan motor with ball bearings which permits speed reduction while maintaining bearing lubrication.

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

2. **Coastal Filter**
   A mesh screen inserted under the top cover and inside 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 which gives a “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).
Installations where Liquid-Line Solenoid Valve or hard shutoff TXV 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.

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.

8. **Filter Drier (Suction Line)**
   A device for removing contaminants from refrigerant circulating in an air conditioner: 1-direction flow. See Application Guideline and Service Manual for proper application.

SUGGESTED USE: All split-system air conditioners.

9. **Liquid-Line Solenoid Valve (LSV)**
   An electrically operated shutoff valve to be installed at the outdoor or indoor unit (depending on tubing configuration) and 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 and Service Manual.

ACCESSORY DESCRIPTION AND USAGE (Listed Alphabetically) Continued

10. **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 200 psig to 365 psig). The control will maintain working head pressure at low-ambient temperatures down to 0°F (–17.8°C) when properly installed.

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

11. **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 (–28.9°C), it maintains condensing temperature at 100°F ± 10°F (37.8°C ± 5.6°C).

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

12. **Outdoor Air Temperature Sensor**
    A device that allows the temperature at a remote location (outdoors) to be displayed at the thermostat.

SUGGESTED USE: All Bryant programmable thermostats.

13. **Piston Body**
    This piston body is to be used as a replacement for the FK4C Fan Coil R-22 thermostatic expansion valve when used with Puron® (R-410A) air conditioner units. Use piston and piston ring shipped with outdoor unit for installations under 50 ft.

SUGGESTED USE: All Puron® air conditioner installations matched with FK4C Fan Coils.

14. **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: For improved sound ratings.
Coastal installations.
Windy areas or where debris is normally circulating.
Rooftop installations.

15. **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. Hard shutoff valves are available. Do not use with Liquid-Line Solenoid Valve.
    NOTE: Compressor Start Assist—Capacitor/Relay Type must also be used. Do not use with Liquid Line Solenoid.

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.

16. **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.

17. **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.

SOUND POWER (dBA) (A-WTD, WITHOUT PURE TONE PENALTY)

UNIT SIZE	SOUND LEVEL (dBA)	OCTAVE BAND CENTER FREQUENCY (Hz)						
		125	250	500	1000	2000	4000	8000
018	74	52.0	63.5	65.5	69.0	64.5	58.0	51.0
024	74	57.5	64.0	67.5	68.5	66.0	60.5	53.0
030	75	58.5	66.0	69.0	69.0	66.0	61.0	53.5
036	77	61.0	67.5	71.0	71.5	70.0	67.0	58.0
042	77	61.0	67.0	68.5	66.5	63.5	56.5	51.5
048	78	61.5	68.0	71.5	72.0	68.5	65.5	60.0
060	78	61.5	65.5	69.0	69.5	65.0	64.0	56.0

COMBINATION RATINGS

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
018-A	CC5A/CD5AA024*	17,400	NONE	10.5	11.0	11.0	9.95
	CC5A/CD5AA018	17,000	NONE	10.5	11.0	11.0	9.75
	CC5A/CD5AW024	17,400	NONE	10.5	11.0	11.0	9.95
	CE3AA024	17,400	NONE	10.5	11.0	11.0	10.00
	CF5AA024	17,400	NONE	10.5	11.0	11.0	10.00
	CK3BA024	17,400	NONE	10.5	11.0	11.0	10.05
	CK5A/CK5BA018	17,000	NONE	10.5	11.0	11.0	9.85
	CK5A/CK5BA024	17,400	NONE	10.5	11.0	11.0	10.05
	CK5A/CK5BW024	17,400	NONE	10.5	11.0	11.0	10.05
	F(A,B)4AN(F,C)018	17,000	TDR	11.0	—	11.0	9.85
	F(A,B)4AN(F,C)024	17,400	TDR	11.0	—	11.0	10.15
	FC4BNF024	17,400	TDR&TXV	11.0	—	—	10.15
	FF1DNA018	17,000	TDR	11.0	—	11.0	10.10
	FF1DNA024	17,400	TDR	11.0	—	11.0	10.00
	FG3AAA024	17,300	NONE	11.0	—	11.0	9.85
	FK4CNF001	17,400	TDR&TXV	12.5	—	—	11.25
	FK4CNF002	17,800	TDR&TXV	12.5	—	—	11.30
	FV4ANF002	17,800	TDR&TXV	12.5	—	—	11.30
	FX4ANF018	17,400	TDR&TXV	11.0	—	—	10.15
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA018	16,800	TDR	11.5	—	11.5	10.55
	CC5A/CD5AA024	17,400	TDR	11.5	—	11.5	10.85
	CE3AA024	17,400	TDR	11.5	—	11.5	10.85
	CK3BA024	17,400	TDR	11.5	—	11.5	11.15
	CK5A/CK5BA018	17,000	TDR	11.5	—	11.5	10.85
	CK5A/CK5BA024	17,400	TDR	11.5	—	11.5	11.15
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	17,400	TDR	11.5	—	11.5	10.85
	CE3AA024	17,400	TDR	11.5	—	11.5	10.90
	CK5A/CK5BW024	17,400	TDR	11.5	—	11.5	10.95
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	17,400	TDR	11.5	—	11.5	10.90
024-A	CC5A/CD5AA030*	23,800	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AA024	23,400	NONE	10.5	11.0	11.0	9.60
	CC5A/CD5AW024	23,400	NONE	10.5	11.0	11.0	9.60
	CC5A/CD5AW030	23,800	NONE	10.5	11.0	11.0	9.70
	CE3AA024	23,400	NONE	10.5	11.0	11.0	9.70
	CE3AA030	23,800	NONE	10.5	11.0	11.0	9.75
	CF5AA024	23,400	NONE	10.5	11.0	11.0	9.65
	CK3BA024	23,400	NONE	10.5	11.0	11.0	9.75
	CK3BA030	23,800	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BA024	23,400	NONE	10.5	11.0	11.0	9.75
	CK5A/CK5BA030	23,800	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BW024	23,400	NONE	10.5	11.0	11.0	9.75
	CK5A/CK5BW030	23,800	NONE	10.5	11.0	11.0	9.80
	F(A,B)4AN(F,C)024	23,400	TDR	11.0	—	11.0	9.80
	F(A,B)4AN(F,C)030	23,800	TDR	11.0	—	11.0	9.70
	FC4BNF024	23,400	TDR&TXV	11.0	—	—	9.80
	FC4BNF030	23,800	TDR&TXV	11.0	—	—	10.00
	FF1(B,C,D)NA024	23,400	TDR	11.0	—	11.0	9.65
	FF1(B,C,D)NA030	23,800	TDR	11.0	—	11.0	9.80
	FG3AAA024	23,400	NONE	10.5	—	10.5	9.50
	FK4CNF001	24,000	TDR&TXV	12.0	—	—	10.75
	FK4CNF002	24,000	TDR&TXV	12.0	—	—	10.80
	FK4CNF003	24,200	TDR&TXV	12.5	—	—	11.05
	FV4ANF002	24,000	TDR&TXV	12.0	—	—	10.80
	FV4ANF003	24,200	TDR&TXV	12.5	—	—	11.05
	FX4ANF030	23,800	TDR&TXV	11.0	—	—	10.00
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA024	23,400	TDR	11.5	—	11.5	10.30
	CC5A/CD5AA030	23,800	TDR	11.5	—	11.5	10.50
	CC5A/CD5AW030	23,800	TDR	11.5	—	11.5	10.50
	CE3AA024	23,400	TDR	11.5	—	11.5	10.35
	CE3AA030	23,800	TDR	11.5	—	11.5	10.55
	CK3BA024	23,400	TDR	11.5	—	11.5	10.50
	CK3BA030	23,800	TDR	11.5	—	11.5	10.60
	CK5A/CK5BA024	23,400	TDR	11.5	—	11.5	10.50
	CK5A/CK5BA030	23,800	TDR	11.5	—	11.5	10.60
	CK5A/CK5BW030	23,800	TDR	11.5	—	11.5	10.60
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	23,400	TDR	11.5	—	11.5	10.25
	CC5A/CD5AW030	23,800	TDR	11.5	—	11.5	10.50
	CE3AA024	23,400	TDR	11.5	—	11.5	10.30
	CE3AA030	23,800	TDR	11.5	—	11.5	10.50
	CK3BA024	23,400	TDR	11.5	—	11.5	10.40
	CK3BA030	23,800	TDR	11.5	—	11.5	10.50
	CK5A/CK5BW024	23,400	TDR	11.5	—	11.5	10.40
	CK5A/CK5BW030	23,800	TDR	11.5	—	11.5	10.50
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AW024	23,400	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW030	23,800	TDR	11.5	—	11.5	10.60

See notes on page 14.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
024-A	CE3AA024	23,400	TDR	11.5	—	11.5	10.40
	CE3AA030	23,800	TDR	11.5	—	11.5	10.60
	CK5A/CK5BW024	23,400	TDR	11.5	—	11.5	10.60
	CK5A/CK5BW030	23,800	TDR	11.5	—	11.5	10.70
030-A	CC5A/CD5AA036*	29,000	NONE	10.5	11.0	11.0	9.75
	CC5A/CD5AA030	28,000	NONE	10.4	10.8	10.8	9.50
	CC5A/CD5AW030	28,000	NONE	10.4	10.8	10.8	9.50
	CC5A/CD5AW036	29,000	NONE	10.5	11.0	11.0	9.75
	CE3AA030	28,000	NONE	10.5	11.0	11.0	9.60
	CE3AA036	28,200	NONE	10.5	11.0	11.0	9.65
	CF5AA036	28,200	NONE	10.5	11.0	11.0	9.70
	CK3BA030	28,000	NONE	10.5	11.0	11.0	9.55
	CK3BA036	29,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BA030	28,000	NONE	10.5	11.0	11.0	9.55
	CK5A/CK5BA036	29,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BT036	29,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BW030	28,000	NONE	10.5	11.0	11.0	9.55
	CK5A/CK5BW036	29,000	NONE	10.5	11.0	11.0	9.80
	F(A,B)4AN(F,C)030	28,400	TDR	11.0	—	11.0	9.90
	F(A,B)4AN(F,C)036	28,600	TDR	11.0	—	11.0	9.55
	FC4BNF030	28,400	TDR&TXV	11.0	—	—	9.75
	FC4BNF036	28,600	TDR&TXV	10.8	—	—	9.50
	FF1(B,C,D)NA030	28,400	TDR	11.0	—	11.0	9.60
	FG3AAA036	28,000	NONE	11.0	—	11.0	9.60
	FK4CNF001	28,600	TDR&TXV	12.0	—	—	10.40
	FK4CNF002	28,600	TDR&TXV	12.0	—	—	10.45
	FK4CNF003	28,800	TDR&TXV	12.0	—	—	10.75
	FK4CNF005	29,000	TDR&TXV	12.0	—	—	11.00
	FV4ANF002	28,600	TDR&TXV	12.0	—	—	10.45
	FV4ANF003	28,800	TDR&TXV	12.0	—	—	10.75
	FV4ANF005	29,000	TDR&TXV	12.0	—	—	11.00
	FX4ANF030	28,400	TDR&TXV	11.0	—	—	9.75
	FX4ANF036	28,600	TDR&TXV	11.0	—	—	9.60
	COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA030	28,000	TDR	11.5	—	11.5	10.10
	CC5A/CD5AA036	28,600	TDR	11.5	—	11.5	10.40
	CC5A/CD5AW030	28,000	TDR	11.5	—	11.5	10.10
	CE3AA030	28,000	TDR	11.5	—	11.5	10.15
	CE3AA036	28,600	TDR	11.5	—	11.5	10.25
	CK3BA030	28,000	TDR	11.5	—	11.5	10.15
	CK3BA036	28,600	TDR	11.5	—	11.5	10.50
	CK5A/CK5BA030	28,000	TDR	11.5	—	11.5	10.15
	CK5A/CK5BA036	28,600	TDR	11.5	—	11.5	10.50
	CK5A/CK5BT036	28,600	TDR	11.5	—	11.5	10.50
	CK5A/CK5BW030	28,000	TDR	11.5	—	11.5	10.15
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AW030	28,000	TDR	11.5	—	11.5	10.25
	CC5A/CD5AW036	28,600	TDR	11.5	—	11.5	10.55
	CE3AA030	28,000	TDR	11.5	—	11.5	10.35
	CE3AA036	28,600	TDR	11.5	—	11.5	10.40
	CK5A/CK5BW030	28,000	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW036	28,600	TDR	11.5	—	11.5	10.65
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	28,600	TDR	11.5	—	11.5	10.30
	CC5A/CD5AW030	28,000	TDR	11.5	—	11.5	10.00
	CE3AA030	28,000	TDR	11.5	—	11.5	10.10
	CE3AA036	28,600	TDR	11.5	—	11.5	10.15
	CK3BA036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BA036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BT036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW030	28,000	TDR	11.5	—	11.5	10.00
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AW030	28,000	TDR	11.5	—	11.5	10.15
	CC5A/CD5AW036	28,600	TDR	11.5	—	11.5	10.45
	CE3AA030	28,000	TDR	11.5	—	11.5	10.20
	CE3AA036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW036	28,600	TDR	11.5	—	11.5	10.40
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AW036	28,600	TDR	11.5	—	11.5	10.45
	CE3AA030	28,000	TDR	11.5	—	11.5	10.25
	CE3AA036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW030	28,000	TDR	11.5	—	11.5	10.25
	CK5A/CK5BW036	28,600	TDR	11.5	—	11.5	10.60
	COILS + 355MAV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AW036	28,600	TDR	11.5	—	11.5	10.45
	CE3AA030	28,000	TDR	11.5	—	11.5	10.25
	CE3AA036	28,600	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW036	28,600	TDR	11.5	—	11.5	10.55

See notes on page 14.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
036-A	CC5A/CD5AA042*	35,400	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AA036	35,000	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AA042	35,400	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AW036	35,000	NONE	10.5	11.0	11.0	9.70
	CE3AA036	35,000	NONE	10.5	11.0	11.0	9.60
	CE3AA042	35,400	NONE	10.5	11.0	11.0	9.75
	CF5AA036	35,000	NONE	10.5	11.0	11.0	9.65
	CK3BA036	35,000	NONE	10.5	11.0	11.0	9.70
	CK3BA042	35,400	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BA036	35,000	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BA042	35,400	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BT036	35,000	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BT042	35,400	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BW036	35,000	NONE	10.5	11.0	11.0	9.70
	F(A,B)4AN(F,B,C)042	35,400	TDR	11.0	—	11.0	9.65
	F(A,B)4AN(F,C)036	35,000	TDR	10.5	—	10.5	9.40
	FC4BN(F,B)042	35,400	TDR&TXV	11.0	—	—	9.65
	FC4BNF036	35,000	TDR&TXV	10.5	—	—	9.40
	FG3AAA036	35,000	NONE	10.5	—	10.5	9.50
	FK4CNB006	36,600	TDR&TXV	12.0	—	—	11.10
	FK4CNF001	35,000	TDR&TXV	11.5	—	—	10.05
	FK4CNF002	35,000	TDR&TXV	11.5	—	—	10.10
	FK4CNF003	35,400	TDR&TXV	12.0	—	—	10.50
	FK4CNF005	36,000	TDR&TXV	12.0	—	—	10.90
	FV4ANB006	36,600	TDR&TXV	12.0	—	—	11.15
	FV4ANF002	35,000	TDR&TXV	11.5	—	—	10.15
	FV4ANF003	35,400	TDR&TXV	12.0	—	—	10.55
	FV4ANF005	36,000	TDR&TXV	12.0	—	—	10.95
	FX4ANF036	35,000	TDR&TXV	10.5	—	—	9.45
	FX4ANF042	35,400	TDR&TXV	11.0	—	—	9.85
	COILS + 333(B,J)AV0036060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	35,000	TDR	11.5	—	11.5	10.10
	CE3AA036	35,000	TDR	11.5	—	11.5	10.00
	CE3AA042	35,400	TDR	11.5	—	11.5	10.20
	CK3BA036	35,000	TDR	11.5	—	11.5	10.15
	CK5A/CK5BA036	35,000	TDR	11.5	—	11.5	10.15
	CK5A/CK5BT036	35,000	TDR	11.5	—	11.5	10.15
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	35,400	TDR	11.5	—	11.5	10.40
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.30
	CE3AA036	35,000	TDR	11.5	—	11.5	10.20
	CE3AA042	35,400	TDR	11.5	—	11.5	10.40
	CK3BA042	35,400	TDR	11.5	—	11.5	10.35
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.35
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.35
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.30
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.45
	CC5A/CD5AW042	35,400	TDR	11.5	—	11.5	10.45
	CE3AA036	35,000	TDR	11.5	—	11.5	10.35
	CE3AA042	35,400	TDR	11.5	—	11.5	10.55
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.60
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.60
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.55
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.30
	CC5A/CD5AW042	35,400	TDR	11.5	—	11.5	10.35
	CE3AA036	35,000	TDR	11.5	—	11.5	10.25
	CE3AA042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.50
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.50
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.45
	COILS + 355MAV042060 VARIABLE SPEED FURNACE						
	CC5A/CD5AA036	35,000	TDR	11.5	—	11.5	10.15
	CE3AA036	34,800	TDR	11.5	—	11.5	10.00
	CE3AA042	35,200	TDR	11.5	—	11.5	10.25
	CK3BA036	35,000	TDR	11.5	—	11.5	10.20
	CK3BA042	35,400	TDR	11.5	—	11.5	10.25
	CK5A/CK5BA036	35,000	TDR	11.5	—	11.5	10.20
	CK5A/CK5BT036	35,000	TDR	11.5	—	11.5	10.20
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	35,400	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.25
	CE3AA036	34,800	TDR	11.5	—	11.5	10.10
	CE3AA042	35,200	TDR	11.5	—	11.5	10.40
	CK3BA042	35,400	TDR	11.5	—	11.5	10.30
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.35
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.35
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.25

See notes on page 14.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
	COILS + 355MAV060080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	35,400	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.25
	CE3AA036	34,800	TDR	11.5	—	11.5	10.15
	CE3AA042	35,200	TDR	11.5	—	11.5	10.40
	CK3BA042	35,400	TDR	11.5	—	11.5	10.25
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.25
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.25
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.20
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	35,400	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.25
	CC5A/CD5AW042	35,000	TDR	11.5	—	11.5	10.30
036-A	CE3AA036	34,800	TDR	11.5	—	11.5	10.15
	CE3AA042	35,200	TDR	11.5	—	11.5	10.40
	CK3BA042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.40
	COILS + 355MAV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	35,400	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW036	35,000	TDR	11.5	—	11.5	10.25
	CC5A/CD5AW042	35,000	TDR	11.5	—	11.5	10.30
	CE3AA036	34,800	TDR	11.5	—	11.5	10.15
	CE3AA042	35,200	TDR	11.5	—	11.5	10.40
	CK5A/CK5BA042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BT042	35,400	TDR	11.5	—	11.5	10.45
	CK5A/CK5BW036	35,000	TDR	11.5	—	11.5	10.40
	CD5AA048*	41,000	NONE	10.5	11.0	11.0	9.75
	CC5A/CD5AA042	40,500	NONE	10.5	11.0	11.0	9.75
	CC5A/CD5AC048	40,500	NONE	10.5	11.0	11.0	9.65
	CC5A/CD5AW042	40,500	NONE	10.5	11.0	11.0	9.65
	CC5A/CD5AW048	41,000	NONE	10.5	11.0	11.0	9.75
	CE3AA042	40,500	NONE	10.5	11.0	11.0	9.80
	CE3AA048	41,000	NONE	10.5	11.0	11.0	9.85
	CF5AA048	41,000	NONE	10.5	11.0	11.0	9.80
	CK3BA042	40,500	NONE	10.5	11.0	11.0	9.75
	CK3BA048	41,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BA042	40,500	NONE	10.5	11.0	11.0	9.75
	CK5A/CK5BA048	41,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BT042	40,500	NONE	10.5	11.0	11.0	9.75
	CK5A/CK5BT048	41,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BW048	41,000	NONE	10.5	11.0	11.0	9.80
	F(A,B)4AN(F,B,C)042	40,500	TDR	11.0	—	11.0	9.60
	F(A,B)4AN(F,B,C)048	41,000	TDR	11.0	—	11.0	9.80
	FC4BN(F,B)042	40,500	TDR&TXV	11.0	—	—	9.60
	FC4BN(F,B)048	41,000	TDR&TXV	11.0	—	—	9.75
	FC4BNB054	42,000	TDR&TXV	11.5	—	—	10.30
	FG3AAA048	41,000	NONE	11.0	—	11.0	9.75
	FK4CNB006	43,000	TDR&TXV	12.5	—	—	11.05
	FK4CNF003	41,000	TDR&TXV	11.5	—	—	10.35
	FK4CNF005	42,000	TDR&TXV	12.0	—	—	10.80
	FV4ANB006	43,000	TDR&TXV	12.5	—	—	11.05
	FV4ANF003	41,000	TDR&TXV	11.5	—	—	10.35
	FV4ANF005	42,000	TDR&TXV	12.0	—	—	10.80
042-A	FX4ANF042	40,500	TDR&TXV	11.0	—	—	9.75
	FX4ANF048	41,000	TDR&TXV	11.0	—	—	9.95
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	40,000	TDR	11.5	—	11.5	10.20
	CC5A/CD5AC048	40,000	TDR	11.5	—	11.5	10.20
	CD5AA048	40,500	TDR	11.5	—	11.5	10.30
	CE3AA042	40,000	TDR	11.5	—	11.5	10.25
	CE3AA048	40,500	TDR	11.5	—	11.5	10.30
	CK3BA042	40,000	TDR	11.5	—	11.5	10.20
	CK3BA048	40,500	TDR	11.5	—	11.5	10.30
	CK5A/CK5BA042	40,000	TDR	11.5	—	11.5	10.20
	CK5A/CK5BA048	40,500	TDR	11.5	—	11.5	10.30
	CK5A/CK5BT042	40,000	TDR	11.5	—	11.5	10.20
	CK5A/CK5BT048	40,500	TDR	11.5	—	11.5	10.30
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AW042	40,000	TDR	11.5	—	11.5	10.30
	CC5A/CD5AW048	40,500	TDR	11.5	—	11.5	10.50
	CE3AA042	40,000	TDR	11.5	—	11.5	10.45
	CE3AA048	40,500	TDR	11.5	—	11.5	10.45
	CK5A/CK5BA042	40,000	TDR	11.5	—	11.5	10.40
	CK5A/CK5BT042	40,000	TDR	11.5	—	11.5	10.40
	CK5A/CK5BW048	40,500	TDR	11.5	—	11.5	10.50
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AW042	40,000	TDR	11.5	—	11.5	10.15
	CC5A/CD5AW048	40,500	TDR	11.5	—	11.5	10.35

See notes on page 14.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
042-A	CE3AA042	40,000	TDR	11.5	—	11.5	10.30
	CE3AA048	40,500	TDR	11.5	—	11.5	10.35
	CK5A/CK5BA042	40,000	TDR	11.5	—	11.5	10.40
	CK5A/CK5BT042	40,000	TDR	11.5	—	11.5	10.40
	CK5A/CK5BW048	40,500	TDR	11.5	—	11.5	10.50
	COILS + 355MAV042080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	40,000	TDR	11.5	—	11.5	10.15
	CD5AA048	40,500	TDR	11.5	—	11.5	10.30
	CE3AA042	40,000	TDR	11.5	—	11.5	10.20
	CE3AA048	40,500	TDR	11.5	—	11.5	10.25
	CK3BA048	40,500	TDR	11.5	—	11.5	10.20
	CK5A/CK5BA048	40,500	TDR	11.5	—	11.5	10.20
	CK5A/CK5BT048	40,500	TDR	11.5	—	11.5	10.20
	COILS + 355MAV060080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	40,000	TDR	11.5	—	11.5	10.20
	CD5AA048	40,500	TDR	11.5	—	11.5	10.30
	CE3AA042	40,000	TDR	11.5	—	11.5	10.25
	CE3AA048	40,500	TDR	11.5	—	11.5	10.30
	CK3BA048	40,500	TDR	11.5	—	11.5	10.10
	CK5A/CK5BA048	40,500	TDR	11.5	—	11.5	10.10
	CK5A/CK5BT048	40,500	TDR	11.5	—	11.5	10.10
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	40,000	TDR	11.5	—	11.5	10.20
	CD5AA048	40,500	TDR	11.5	—	11.5	10.30
	CE3AA042	40,000	TDR	11.5	—	11.5	10.25
	CE3AA048	40,500	TDR	11.5	—	11.5	10.30
	CK3BA048	40,500	TDR	11.5	—	11.5	10.40
	CK5A/CK5BA048	40,500	TDR	11.5	—	11.5	10.40
	CK5A/CK5BT048	40,500	TDR	11.5	—	11.5	10.40
	COILS + 355MAV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA042	40,000	TDR	11.5	—	11.5	10.20
	CC5A/CD5AW042	40,000	TDR	11.5	—	11.5	10.15
	CC5A/CD5AW048	40,500	TDR	11.5	—	11.5	10.30
	CE3AA042	40,000	TDR	11.5	—	11.5	10.25
	CE3AA048	40,500	TDR	11.5	—	11.5	10.30
	CK5A/CK5BW048	40,500	TDR	11.5	—	11.5	10.40
048-A	CC5A/CD5AA060*	47,000	NONE	10.5	11.0	11.0	9.80
	CC5A/CD5AC048	46,000	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AW048	46,500	NONE	10.5	11.0	11.0	9.80
	CC5A/CD5AW060	48,000	NONE	10.5	11.0	11.0	10.00
	CD5AA048	47,000	NONE	10.5	11.0	11.0	9.80
	CE3AA048	47,000	NONE	10.5	11.0	11.0	9.90
	CE3AA060	48,000	NONE	10.5	11.0	11.0	10.05
	CF5AA048	47,000	NONE	10.5	11.0	11.0	9.85
	CK3BA048	47,000	NONE	10.5	11.0	11.0	9.80
	CK3BA060	48,000	NONE	10.5	11.0	11.0	10.05
	CK5A/CK5BA048	47,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BA060	48,000	NONE	10.5	11.0	11.0	10.05
	CK5A/CK5BT048	47,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BT060	48,000	NONE	10.5	11.0	11.0	10.05
	CK5A/CK5BW048	47,000	NONE	10.5	11.0	11.0	9.80
	CK5A/CK5BX060	49,000	NONE	10.5	11.0	11.0	10.15
	F(A,B)4AN(F,B,C)048	47,000	TDR	11.0	—	11.0	9.75
	F(A,B)4AN(F,B,C)060	48,000	TDR	11.0	—	11.0	9.80
	FB4ANB070	49,000	TDR	11.0	—	11.0	10.10
	FC4BN(F,B)048	47,000	TDR&TXV	11.0	—	—	9.75
	FC4BN(F,B)060	48,000	TDR&TXV	11.0	—	—	9.80
	FC4BNB054	48,500	TDR&TXV	11.0	—	—	10.15
	FC4BNB070	49,000	TDR&TXV	11.0	—	—	10.10
	FG3AAA048	46,000	NONE	11.0	—	11.0	9.75
	FG3AAA060	47,000	NONE	11.0	—	11.0	9.90
	FK4CNB006	48,500	TDR&TXV	12.0	—	—	10.90
	FK4CNF005	48,000	TDR&TXV	12.0	—	—	10.60
	FV4ANB006	48,500	TDR&TXV	12.0	—	—	10.90
	FV4ANF005	48,000	TDR&TXV	12.0	—	—	10.60
	FX4ANB060	48,000	TDR&TXV	11.0	—	—	10.10
	FX4ANF048	47,000	TDR&TXV	11.0	—	—	9.95
	COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE						
	CC5A/CD5AC048	46,000	TDR	11.5	—	11.5	9.95
	CD5AA048	46,000	TDR	11.5	—	11.5	10.05
	CE3AA048	46,000	TDR	11.5	—	11.5	10.05
	CE3AA060	47,000	TDR	11.5	—	11.5	10.35
	CK3BA048	46,000	TDR	11.5	—	11.5	10.00
	CK5A/CK5BA048	46,000	TDR	11.5	—	11.5	10.00
	CK5A/CK5BT048	46,000	TDR	11.5	—	11.5	10.00
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,500	TDR	11.5	—	11.5	10.35
	CC5A/CD5AW048	46,000	TDR	11.5	—	11.5	10.30
	CC5A/CD5AW060	47,000	TDR	11.5	—	11.5	10.55
	CE3AA048	46,000	TDR	11.5	—	11.5	10.35

See notes on page 14.

COMBINATION RATINGS Continued

UNIT SIZE-SERIES	INDOOR MODEL	TOT. CAP. BTUH	FACTORY-SUPPLIED ENHANCE-MENT	SEER			EER
				Standard Rating	Bryant Gas Furnace or Accessory TDR†	Accessory Puron TXV	
048-A	CE3AA060	47,000	TDR	11.5	—	11.5	10.65
	CK3BA060	47,000	TDR	11.5	—	11.5	10.65
	CK5A/CK5BA060	47,000	TDR	11.5	—	11.5	10.65
	CK5A/CK5BT060	47,000	TDR	11.5	—	11.5	10.65
	CK5A/CK5BW048	46,000	TDR	11.5	—	11.5	10.40
	CK5A/CK5BX060	47,500	TDR	11.5	—	11.5	10.85
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,500	TDR	11.5	—	11.5	10.20
	CC5A/CD5AW048	46,000	TDR	11.5	—	11.5	10.20
	CC5A/CD5AW060	47,000	TDR	11.5	—	11.5	10.45
	CE3AA048	46,000	TDR	11.5	—	11.5	10.25
	CE3AA060	47,000	TDR	11.5	—	11.5	10.50
	CK3BA060	47,000	TDR	11.5	—	11.5	10.55
	CK5A/CK5BA060	47,000	TDR	11.5	—	11.5	10.55
	CK5A/CK5BT060	47,000	TDR	11.5	—	11.5	10.55
	CK5A/CK5BW048	46,000	TDR	11.5	—	11.5	10.30
	CK5A/CK5BX060	47,500	TDR	11.5	—	11.5	10.75
	COILS + 355MAV060080 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,000	TDR	11.5	—	11.5	9.65
	CC5A/CD5AW060	47,000	TDR	11.5	—	11.5	10.30
	CE3AA060	47,000	TDR	11.5	—	11.5	10.40
	COILS + 355MAV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,500	TDR	11.5	—	11.5	10.10
	CC5A/CD5AW060	47,000	TDR	11.5	—	11.5	10.35
	CE3AA060	47,000	TDR	11.5	—	11.5	10.40
	CK3BA060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BA060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BT060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BX060	47,500	TDR	11.5	—	11.5	10.50
	COILS + 355MAV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	46,500	TDR	11.5	—	11.5	10.10
	CC5A/CD5AW060	47,000	TDR	11.5	—	11.5	10.35
	CE3AA060	47,000	TDR	11.5	—	11.5	10.40
	CK3BA060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BA060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BT060	47,000	TDR	11.5	—	11.5	10.35
	CK5A/CK5BW048	46,000	TDR	11.5	—	11.5	10.15
	CK5A/CK5BX060	47,500	TDR	11.5	—	11.5	10.55
060-A	CC5A/CD5AW060*	59,000	NONE	10.5	11.0	11.0	9.70
	CC5A/CD5AA060	56,000	NONE	10.3	10.8	10.8	9.50
	CE3AA060	59,000	NONE	10.5	11.0	11.0	9.80
	CK3BA060	59,000	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BA060	59,000	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BT060	59,000	NONE	10.5	11.0	11.0	9.70
	CK5A/CK5BX060	59,000	NONE	10.5	11.0	11.0	9.85
	F(A,B)4AN(F,B,C)060	59,000	TDR	10.5	—	10.5	9.45
	FB4ANB070	60,000	TDR	11.0	—	11.0	9.80
	FC4BN(F,B)060	59,000	TDR&TXV	10.5	—	—	9.45
	FC4BNB070	60,000	TDR&TXV	11.0	—	—	9.80
	FG3AAA060	58,000	NONE	11.0	—	11.0	9.60
	FK4CNB006	60,000	TDR&TXV	11.5	—	—	10.30
	FV4ANB006	60,000	TDR&TXV	11.5	—	—	10.40
	FX4ANB060	59,000	TDR&TXV	11.0	—	—	9.90
	COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	56,000	TDR	11.0	—	11.0	9.65
	CC5A/CD5AW060	58,000	TDR	11.0	—	11.0	9.95
	CE3AA060	59,000	TDR	11.0	—	11.0	10.00
	CK3BA060	58,500	TDR	11.0	—	11.0	9.90
	CK5A/CK5BA060	58,500	TDR	11.0	—	11.0	9.90
	CK5A/CK5BT060	58,500	TDR	11.0	—	11.0	9.90
	CK5A/CK5BX060	59,000	TDR	11.0	—	11.0	10.15
	COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE						
	CC5A/CD5AA060	56,000	TDR	10.5	—	10.5	9.50
	CC5A/CD5AW060	58,000	TDR	11.0	—	11.0	9.80
	CE3AA060	59,000	TDR	11.0	—	11.0	9.85
	CK3BA060	58,500	TDR	11.0	—	11.0	9.80
	CK5A/CK5BA060	58,500	TDR	11.0	—	11.0	9.80
	CK5A/CK5BT060	58,500	TDR	11.0	—	11.0	9.80
	CK5A/CK5BX060	59,000	TDR	11.0	—	11.0	10.05

See notes on page 14.

.

* 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. Most Bryant furnaces are equipped with TDR.
‡ Based on computer simulation. TXV must be Puron® compatible and hard shutoff type.
** Ratings shown are with R-22 TXV replaced with Puron® TXV.

EER — Energy Efficiency Ratio
SEER — Seasonal Energy Efficiency Ratio
TDR — Time-Delay Relay
TXV — Puron® Thermostatic Expansion Valve

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 electric 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. Do not apply with capillary tube coils as performance and reliability are significantly affected.

DETAILED COOLING CAPACITIES*

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**
591BN018-A Outdoor Section With CC5A/CD5AA024 Indoor Section																			
525	72	19.72	10.53	1.36	19.33	10.38	1.56	18.62	10.04	1.78	17.71	9.64	2.03	16.64	9.21	2.29	15.43	8.75	2.58
	67	18.66	12.85	1.34	17.95	12.62	1.54	17.05	12.25	1.76	15.99	11.80	2.01	14.89	11.35	2.26	13.68	10.86	2.54
	62	17.08	15.20	1.32	16.15	14.80	1.52	15.20	14.33	1.73	14.22	13.83	1.95	13.19	13.19	2.20	12.30	12.30	2.47
	57	16.12	16.12	1.32	15.46	15.46	1.51	14.75	14.75	1.72	13.99	13.99	1.95	13.18	13.18	2.20	12.30	12.30	2.47
600	72	19.97	10.72	1.40	19.58	10.64	1.59	18.91	10.44	1.82	17.99	10.10	2.06	16.90	9.69	2.32	15.65	9.22	2.61
	67	18.98	13.38	1.37	18.32	13.28	1.57	17.40	12.99	1.79	16.35	12.60	2.04	15.19	12.14	2.31	13.95	11.64	2.58
	62	17.51	16.15	1.36	16.55	15.83	1.56	15.57	15.29	1.77	14.61	14.61	1.99	13.77	13.77	2.25	12.84	12.84	2.53
	57	16.86	16.86	1.35	16.15	16.15	1.55	15.39	15.39	1.76	14.61	14.61	1.99	13.77	13.77	2.25	12.85	12.85	2.53
675	72	20.11	10.86	1.43	19.70	10.82	1.63	19.10	10.72	1.85	18.19	10.44	2.09	17.08	10.06	2.35	15.81	9.60	2.64
	67	19.16	13.74	1.41	18.57	13.83	1.60	17.66	13.65	1.82	16.59	13.32	2.07	15.44	12.89	2.34	14.14	12.36	2.62
	62	17.82	16.94	1.39	16.89	16.67	1.59	15.93	15.93	1.81	15.13	15.13	2.04	14.25	14.25	2.30	13.30	13.30	2.58
	57	17.43	17.43	1.38	16.74	16.74	1.59	15.94	15.94	1.81	15.13	15.13	2.04	14.25	14.25	2.30	13.30	13.30	2.58

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	0.99	FV4ANF	002	1.02	0.91
	024	1.00	1.00	FX4ANF	018	1.00	0.99
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	0.91
CF5AA	024	1.00	1.00		024	1.00	0.91
CK3BA	024	1.00	1.01	CE3AA	024	1.00	0.92
CK5A/CK5BA	018	0.98	1.00	CK3BA	024	1.00	0.91
	024	1.00	1.01	CK5A/CK5BA	018	0.98	0.91
CK5A/CK5BW	024	1.00	1.01		024	1.00	0.91
F(A,B)4AN(F,C)	018	0.98	0.98	**COILS + 333(B,J)AV042060 VARIABLE SPEED FURNACE**			
	024	1.00	1.00	CC5A/CD5AW	024	1.00	0.93
FC4BNF	024	1.00	0.99	CE3AA	024	1.00	0.94
FF1DNA	018	0.98	0.96	CK5A/CK5BW	024	1.00	0.94
	024	1.00	1.01	**COILS + 333(B,J)AV042080 VARIABLE SPEED FURNACE**			
FG3AAA	024	0.99	1.00	CC5A/CD5AW	024	1.00	0.93
FK4CNF	001	1.00	0.91		—	—	—
	002	1.02	0.91				

See notes on page 22.

DETAILED COOLING CAPACITIES*

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**
591BN024-A Outdoor Section With CC5A/CD5AA030 Indoor Section																			
700	72	28.41	14.57	2.00	27.22	14.15	2.21	25.86	13.63	2.44	24.37	13.07	2.70	22.74	12.46	2.97	20.94	11.80	3.26
	67	26.03	17.80	1.96	24.66	17.24	2.18	23.22	16.64	2.42	21.72	16.02	2.68	20.16	15.38	2.94	18.50	14.72	3.23
	62	23.22	20.72	1.95	21.95	20.11	2.15	20.68	19.49	2.36	19.29	18.79	2.60	17.87	17.87	2.86	16.66	16.66	3.14
	57	22.00	22.00	1.93	21.06	21.06	2.13	20.09	20.09	2.35	19.02	19.02	2.59	17.88	17.88	2.86	16.66	16.66	3.14
800	72	28.88	15.11	2.04	27.73	14.74	2.25	26.33	14.25	2.49	24.81	13.70	2.74	23.14	13.11	3.02	21.29	12.44	3.31
	67	26.67	18.87	2.01	25.28	18.35	2.22	23.80	17.77	2.45	22.25	17.16	2.71	20.61	16.51	2.99	18.87	15.81	3.29
	62	23.93	22.26	1.98	22.51	21.57	2.20	21.21	20.88	2.42	19.92	19.92	2.66	18.73	18.73	2.93	17.44	17.44	3.22
	57	23.05	23.05	1.98	22.05	22.05	2.19	21.03	21.03	2.41	19.92	19.92	2.66	18.73	18.73	2.93	17.45	17.44	3.22
900	72	29.21	15.59	2.09	28.04	15.24	2.30	26.65	14.80	2.53	25.11	14.26	2.79	23.41	13.68	3.06	21.51	13.00	3.35
	67	27.09	19.81	2.05	25.72	19.36	2.26	24.22	18.81	2.49	22.64	18.21	2.75	20.95	17.56	3.03	19.13	16.83	3.32
	62	24.49	23.63	2.02	22.96	22.96	2.25	21.81	21.81	2.48	20.67	20.67	2.73	19.43	19.43	3.00	18.11	18.11	3.29
	57	24.03	24.03	2.02	22.89	22.89	2.25	21.82	21.82	2.48	20.67	20.67	2.73	19.43	19.43	3.00	18.11	18.11	3.30

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	0.98	1.00	**COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE**			
	030	1.00	1.00	CC5A/CD5AA	024	0.98	0.92
CC5A/CD5AW	024	0.98	1.00		030	1.00	0.92
	030	1.00	1.00	CC5A/CD5AW	030	1.00	0.92
CE3AA	024	0.98	1.00	CE3AA	024	0.98	0.93
	030	1.00	1.00		030	1.00	0.92
CF5AA	024	0.98	1.00	CK3BA	024	0.98	0.92
CK3BA	024	0.98	1.00		030	1.00	0.92
	030	1.00	1.00	CK5A/CK5BA	024	0.98	0.92
CK5A/CK5BA	024	0.98	1.00		030	1.00	0.92
	030	1.00	1.00	CK5A/CK5BW	030	1.00	0.92
CK5A/CK5BW	024	0.98	1.00	**COILS + 333(B,J)AV042060 VARIABLE SPEED FURNACE**			
	030	1.00	1.00	CC5A/CD5AW	024	0.98	0.95
F(A,B)4AN(F,C)	024	0.98	0.99		030	1.00	0.94
	030	1.00	0.99	CE3AA	024	0.98	0.95
FC4BNF	024	0.98	1.00		030	1.00	0.95
	030	1.00	1.00	CK3BA	024	0.98	0.95
FF1(B,C,D)NA	024	0.98	1.01		030	1.00	0.95
	030	1.00	1.01	CK5A/CK5BW	024	0.98	0.95
FG3AAA	024	0.98	0.99		030	1.00	0.95
FK4CNF	001	1.01	0.93	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
	002	1.01	0.93	CC5A/CD5AW	024	0.98	0.94
	003	1.02	0.91		030	1.00	0.93
FV4ANF	002	1.01	0.93	CE3AA	024	0.98	0.94
	003	1.02	0.92		030	1.00	0.94
FX4ANF	030	1.00	1.00	CK5A/CK5BW	024	0.98	0.93
	—	—	—		030	1.00	0.93

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**
591BN030-A Outdoor Section With CC5A/CD5AA036 Indoor Section																			
875	72	34.62	17.93	2.44	33.18	17.42	2.69	31.51	16.82	2.97	29.70	16.15	3.28	27.73	15.42	3.61	25.54	14.62	3.96
	67	31.79	22.11	2.40	30.14	21.45	2.66	28.38	20.74	2.94	26.59	20.02	3.25	24.67	19.23	3.58	22.68	18.44	3.93
	62	28.42	25.88	2.38	26.87	25.12	2.62	25.30	24.33	2.88	23.65	23.42	3.17	22.12	22.12	3.49	20.65	20.65	3.84
	57	27.16	27.16	2.36	26.00	26.00	2.61	24.79	24.79	2.87	23.49	23.49	3.17	22.13	22.13	3.49	20.65	20.65	3.84
1000	72	35.12	18.58	2.50	33.68	18.08	2.76	32.01	17.56	3.03	30.15	16.90	3.33	28.13	16.19	3.66	25.88	15.37	4.02
	67	32.51	23.38	2.46	30.79	22.79	2.71	29.00	22.11	2.99	27.13	21.38	3.30	25.16	20.62	3.64	23.07	19.77	3.99
	62	29.22	27.72	2.43	27.49	26.83	2.69	25.92	25.92	2.95	24.53	24.53	3.25	23.08	23.08	3.57	21.54	21.54	3.93
	57	28.41	28.41	2.43	27.12	27.12	2.67	25.87	25.87	2.95	24.54	24.54	3.25	23.09	23.09	3.57	21.54	21.54	3.93
1125	72	35.48	19.15	2.56	34.01	18.69	2.81	32.35	18.23	3.09	30.46	17.59	3.39	28.41	16.89	3.72	26.10	16.06	4.07
	67	32.97	24.50	2.51	31.28	24.04	2.76	29.45	23.39	3.04	27.55	22.69	3.35	25.52	21.89	3.68	23.34	21.00	4.03
	62	29.87	29.32	2.48	28.16	28.16	2.75	26.82	26.82	3.03	25.41	25.41	3.33	23.90	23.90	3.66	22.33	22.33	4.03
	57	29.53	29.53	2.48	28.15	28.15	2.75	26.83	26.83	3.03	25.42	25.42	3.33	23.92	23.92	3.66	22.34	22.34	4.03

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	0.99	CK5A/CK5BA	030	0.97	0.93
	036	1.00	1.00		036	0.99	0.93
CC5A/CD5AW	030	0.97	0.99	CK5A/CK5BT	036	0.99	0.93
	036	1.00	1.00	CK5A/CK5BW	030	0.97	0.93
CE3AA	030	0.97	1.00	**COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE**			
	036	0.97	1.00	CC5A/CD5AW	030	0.97	0.92
CF5AA	036	0.97	1.00		036	0.99	0.92
CK3BA	030	0.97	1.00	CE3AA	030	0.97	0.92
	036	1.00	1.00		036	0.99	0.92
CK5A/CK5BA	030	0.97	1.00	CK5A/CK5BW	030	0.97	0.92
	036	1.00	1.00		036	0.99	0.92
CK5A/CK5BT	036	1.00	1.00	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
CK5A/CK5BW	030	0.97	1.00	CC5A/CD5AA	036	0.99	0.96
	036	1.00	1.00	CC5A/CD5AW	030	0.97	0.95
F(A,B)4AN(F,C)	030	0.98	0.99	CE3AA	030	0.97	0.96
	036	0.99	1.01		036	0.99	0.96
FC4BNF	030	0.98	0.99	CK3BA	036	0.99	0.96
	036	0.99	1.01	CK5A/CK5BA	036	0.99	0.96
FF1(B,C,D)NA	030	0.98	1.00	CK5A/CK5BT	036	0.99	0.96
FG3AAA	036	0.97	1.00	CK5A/CK5BW	030	0.97	0.96
FK4CNF	001	0.99	0.93	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
	002	0.99	0.93	CC5A/CD5AW	030	0.97	0.95
	003	0.99	0.91		036	0.99	0.95
	005	1.00	0.91	CE3AA	030	0.97	0.95
FV4ANF	002	0.99	0.93	CE3AA	036	0.99	0.95
	003	0.99	0.91	CK5A/CK5BW	036	0.99	0.95
	005	1.00	0.91	**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
FX4ANF	030	0.98	0.99	CC5A/CD5AW	036	0.99	0.95
	036	0.99	1.01	CE3AA	030	0.97	0.95
COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE					036	0.99	0.95
CC5A/CD5AA	030	0.97	0.93	CK5A/CK5BW	030	0.97	0.94
	036	0.99	0.93		036	0.99	0.94
CC5A/CD5AW	030	0.97	0.93	**COILS + 355MAV060120 VARIABLE SPEED FURNACE**			
CE3AA	030	0.97	0.93	CC5A/CD5AW	036	0.99	0.95
	036	0.99	0.93	CE3AA	030	0.97	0.95
CK3BA	030	0.97	0.93		036	0.99	0.95
	036	0.99	0.93	CK5A/CK5BW	036	0.99	0.94

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**
591BN036-A Outdoor Section With CC5A/CD5AA042 Indoor Section																			
1050	72	42.30	21.87	2.99	40.41	21.15	3.28	38.37	20.38	3.62	36.15	19.55	3.98	33.63	18.62	4.36	30.84	17.60	4.77
	67	38.65	26.76	2.96	36.69	25.95	3.26	34.62	25.11	3.60	32.26	24.14	3.96	29.82	23.15	4.33	27.19	22.09	4.73
	62	34.55	31.25	2.93	32.77	30.37	3.22	30.78	29.36	3.53	28.62	28.18	3.86	26.52	26.52	4.23	24.67	24.67	4.64
	57	32.91	32.91	2.91	31.49	31.49	3.20	30.00	30.00	3.52	28.33	28.33	3.85	26.53	26.53	4.23	24.67	24.67	4.64
1200	72	42.98	22.71	3.05	41.08	22.02	3.35	39.04	21.28	3.69	36.71	20.45	4.04	34.14	19.54	4.43	31.26	18.50	4.84
	67	39.54	28.35	3.02	37.61	27.61	3.32	35.40	26.76	3.65	32.99	25.83	4.01	30.43	24.83	4.41	27.75	23.73	4.82
	62	35.51	33.48	3.00	33.57	32.47	3.30	31.49	31.49	3.61	29.61	29.61	3.95	27.80	27.80	4.33	25.79	25.79	4.75
	57	34.40	34.40	2.99	32.98	32.98	3.28	31.37	31.37	3.60	29.62	29.62	3.95	27.81	27.81	4.33	25.80	25.80	4.75
1350	72	43.46	23.44	3.12	41.56	22.80	3.42	39.45	22.06	3.75	37.09	21.25	4.11	34.48	20.36	4.49	31.55	19.31	4.90
	67	40.23	29.84	3.08	38.21	29.10	3.38	35.97	28.29	3.71	33.52	27.39	4.07	30.89	26.36	4.46	28.15	25.23	4.88
	62	36.33	35.44	3.06	34.27	34.27	3.37	32.49	32.49	3.70	30.76	30.76	4.05	28.81	28.81	4.43	26.74	26.74	4.85
	57	35.80	35.80	3.06	34.19	34.19	3.37	32.50	32.50	3.70	30.78	30.78	4.05	28.82	28.82	4.43	26.76	26.76	4.85

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	036	0.99	1.00	CE3AA	036	0.99	0.93
	042	1.00	1.00		042	1.00	0.93
CC5A/CD5AW	036	0.99	1.00	CK3BA	042	1.00	0.93
CE3AA	036	0.99	1.00	CK5A/CK5BA	042	1.00	0.93
	042	1.00	1.00	CK5A/CK5BT	042	1.00	0.93
CF5AA	036	0.99	1.00	CK5A/CK5BW	036	0.99	0.94
CK3BA	036	0.99	1.00	**COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE**			
	042	1.00	1.00	CC5A/CD5AW	036	0.99	0.92
CK5A/CK5BA	036	0.99	1.00		042	1.00	0.92
	042	1.00	1.00	CE3AA	036	0.99	0.92
CK5A/CK5BT	036	0.99	1.00		042	1.00	0.92
	042	1.00	1.00	CK5A/CK5BA	042	1.00	0.92
CK5A/CK5BW	036	0.99	1.00	CK5A/CK5BT	042	1.00	0.92
F(A,B)4AN(F,B,C)	042	1.00	1.01	CK5A/CK5BW	036	0.99	0.92
F(A,B)4AN(F,C)	036	0.99	1.02	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
FC4BN(F,B)	042	1.00	1.01	CC5A/CD5AW	036	0.99	0.93
FC4BNF	036	0.99	1.02		042	1.00	0.92
FG3AAA	036	0.99	1.00	CE3AA	036	0.99	0.93
FK4CNB	006	1.03	0.92		042	1.00	0.93
FK4CNF	001	0.99	0.95	CK5A/CK5BA	042	1.00	0.92
	002	0.99	0.95	CK5A/CK5BT	042	1.00	0.92
	003	1.00	0.93	CK5A/CK5BW	036	0.99	0.93
	005	1.02	0.93	**COILS + 355MAV042060 VARIABLE SPEED FURNACE**			
FV4ANB	006	1.03	0.92	CC5A/CD5AA	036	0.99	0.94
FV4ANF	002	0.99	0.95	CE3AA	036	0.98	0.94
	003	1.00	0.93		042	0.99	0.94
	005	1.02	0.93	CK3BA	036	0.99	0.94
FX4ANF	036	0.99	1.03		042	1.00	0.94
	042	1.00	1.01	CK5A/CK5BA	036	0.99	0.94
COILS + 333(B,J)AV036060 VARIABLE SPEED FURNACE				CK5A/CK5BT	036	0.99	0.94
CC5A/CD5AA	036	0.99	0.95	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
CE3AA	036	0.99	0.95	CC5A/CD5AA	042	1.00	0.92
	042	1.00	0.95	CC5A/CD5AW	036	0.99	0.93
CK3BA	036	0.99	0.95	CE3AA	036	0.98	0.93
CK5A/CK5BA	036	0.99	0.95		042	0.99	0.93
CK5A/CK5BT	036	0.99	0.95	CK3BA	042	1.00	0.93
COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE				CK5A/CK5BA	042	1.00	0.93
CC5A/CD5AA	042	1.00	0.93	CK5A/CK5BT	042	1.00	0.93
CC5A/CD5AW	036	0.99	0.94	CK5A/CK5BW	036	0.99	0.93
					—	—	—

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
		Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**	Capacity MBtuh†		Total Sys Kw**
CFM	EWB	Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡		Total	Sens‡	
591BN036-A Outdoor Section With CC5A/CD5AA042 Indoor Section																			
1050	72	42.30	21.87	2.99	40.41	21.15	3.28	38.37	20.38	3.62	36.15	19.55	3.98	33.63	18.62	4.36	30.84	17.60	4.77
	67	38.65	26.76	2.96	36.69	25.95	3.26	34.62	25.11	3.60	32.26	24.14	3.96	29.82	23.15	4.33	27.19	22.09	4.73
	62	34.55	31.25	2.93	32.77	30.37	3.22	30.78	29.36	3.53	28.62	28.18	3.86	26.52	26.52	4.23	24.67	24.67	4.64
	57	32.91	32.91	2.91	31.49	31.49	3.20	30.00	30.00	3.52	28.33	28.33	3.85	26.53	26.53	4.23	24.67	24.67	4.64
1200	72	42.98	22.71	3.05	41.08	22.02	3.35	39.04	21.28	3.69	36.71	20.45	4.04	34.14	19.54	4.43	31.26	18.50	4.84
	67	39.54	28.35	3.02	37.61	27.61	3.32	35.40	26.76	3.65	32.99	25.83	4.01	30.43	24.83	4.41	27.75	23.73	4.82
	62	35.51	33.48	3.00	33.57	32.47	3.30	31.49	31.49	3.61	29.61	29.61	3.95	27.80	27.80	4.33	25.79	25.79	4.75
	57	34.40	34.40	2.99	32.98	32.98	3.28	31.37	31.37	3.60	29.62	29.62	3.95	27.81	27.81	4.33	25.80	25.80	4.75
1350	72	43.46	23.44	3.12	41.56	22.80	3.42	39.45	22.06	3.75	37.09	21.25	4.11	34.48	20.36	4.49	31.55	19.31	4.90
	67	40.23	29.84	3.08	38.21	29.10	3.38	35.97	28.29	3.71	33.52	27.39	4.07	30.89	26.36	4.46	28.15	25.23	4.88
	62	36.33	35.44	3.06	34.27	34.27	3.37	32.49	32.49	3.70	30.76	30.76	4.05	28.81	28.81	4.43	26.74	26.74	4.85
	57	35.80	35.80	3.06	34.19	34.19	3.37	32.50	32.50	3.70	30.78	30.78	4.05	28.82	28.82	4.43	26.76	26.76	4.85

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
COILS + 355MAV060080 VARIABLE SPEED FURNACE				CE3AA	036	0.98	0.93
CC5A/CD5AA	042	1.00	0.92		042	0.99	0.93
CC5A/CD5AW	036	0.99	0.93	CK3BA	042	1.00	0.92
CE3AA	036	0.98	0.93	CK5A/CK5BA	042	1.00	0.92
	042	0.99	0.93	CK5A/CK5BT	042	1.00	0.92
CK3BA	042	1.00	0.94	CK5A/CK5BW	036	0.99	0.92
CK5A/CK5BA	042	1.00	0.94	**COILS + 355MAV060120 VARIABLE SPEED FURNACE**			
CK5A/CK5BT	042	1.00	0.94	CC5A/CD5AA	042	1.00	0.92
CK5A/CK5BW	036	0.99	0.94	CC5A/CD5AW	036	0.99	0.93
COILS + 355MAV060100 VARIABLE SPEED FURNACE					042	0.99	0.92
CC5A/CD5AA	042	1.00	0.92	CE3AA	036	0.98	0.93
CC5A/CD5AW	036	0.99	0.93		042	0.99	0.93
	042	0.99	0.92	CK5A/CK5BA	042	1.00	0.92
	—	—	—	CK5A/CK5BT	042	1.00	0.92
				CK5A/CK5BW	036	0.99	0.93

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
CFM	EWB	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**	Capacity MBtuh† Total	Capacity MBtuh† Sens‡	Total Sys Kw**
591BN042-A Outdoor Section With CC5A/CD5AA048 Indoor Section																			
1225	72	47.78	25.26	3.42	46.00	24.38	3.78	43.85	23.49	4.19	41.49	22.54	4.63	38.88	21.53	5.10	35.81	20.41	5.59
	67	44.33	30.45	3.39	42.28	29.55	3.76	40.14	28.60	4.16	37.79	27.59	4.60	35.15	26.47	5.07	32.28	25.29	5.56
	62	40.04	35.47	3.36	38.02	34.48	3.71	35.89	33.42	4.09	33.50	32.20	4.49	30.89	30.89	4.92	28.70	28.70	5.41
	57	37.66	37.66	3.32	36.11	36.11	3.67	34.45	34.45	4.05	32.72	32.71	4.47	30.75	30.75	4.91	28.72	28.72	5.41
1400	72	48.46	26.11	3.50	46.75	25.46	3.86	44.56	24.57	4.27	42.17	23.61	4.71	39.41	22.52	5.18	36.25	21.27	5.67
	67	45.25	31.99	3.46	43.20	31.19	3.83	41.00	30.29	4.23	38.52	29.29	4.67	35.80	28.20	5.13	32.85	27.01	5.63
	62	41.07	37.81	3.44	38.93	36.76	3.80	36.69	35.57	4.18	34.26	34.26	4.58	32.10	32.10	5.03	29.99	29.99	5.54
	57	39.27	39.27	3.42	37.68	37.68	3.77	36.01	36.01	4.16	34.12	34.12	4.58	32.12	32.12	5.04	30.00	30.00	5.54
1575	72	49.00	26.67	3.57	47.32	26.16	3.94	45.13	25.32	4.35	42.65	24.37	4.78	39.82	23.28	5.25	36.57	21.99	5.74
	67	45.98	33.35	3.53	43.95	32.71	3.90	41.63	31.84	4.30	39.09	30.87	4.74	36.30	29.80	5.20	33.28	28.57	5.70
	62	41.98	39.93	3.51	39.70	38.79	3.88	37.42	37.42	4.27	35.38	35.38	4.69	33.34	33.34	5.16	31.09	31.09	5.67
	57	40.80	40.80	3.50	39.11	39.11	3.88	37.31	37.31	4.27	35.39	35.39	4.69	33.36	33.36	5.16	31.10	31.10	5.67

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling Capacity	Cooling Power	Indoor Section	Size	Cooling Capacity	Cooling Power
CC5A/CD5AA	042	0.99	1.00	CE3AA	042	0.98	0.93
CC5A/CD5AC	048	0.99	1.00		048	0.99	0.93
CC5A/CD5AW	042	0.99	1.00	CK5A/CK5BA	042	0.98	0.93
	048	1.00	1.00	CK5A/CK5BT	042	0.98	0.93
CD5AA	048	1.00	1.00	CK5A/CK5BW	048	0.99	0.93
CE3AA	042	0.99	1.00	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
	048	1.00	1.00	CC5A/CD5AW	042	0.98	0.94
CF5AA	048	1.00	1.00		048	0.99	0.94
CK3BA	042	0.99	1.00	CE3AA	042	0.98	0.94
	048	1.00	1.00		048	0.99	0.94
CK5A/CK5BA	042	0.99	1.00	CK5A/CK5BA	042	0.98	0.93
	048	1.00	1.00	CK5A/CK5BT	042	0.98	0.93
CK5A/CK5BT	042	0.99	1.00	CK5A/CK5BW	048	0.99	0.93
	048	1.00	1.00	**COILS + 355MAV042080 VARIABLE SPEED FURNACE**			
CK5A/CK5BW	048	1.00	1.00	CC5A/CD5AA	042	0.98	0.94
F(A,B)4AN(F,B,C)	042	0.99	1.01	CD5AA	048	0.99	0.94
	048	1.00	1.02	CE3AA	042	0.98	0.95
FC4BN(F,B)	042	0.99	1.01		048	0.99	0.95
	048	1.00	1.02	CK3BA	048	0.99	0.95
FC4BNB	054	1.02	1.00	CK5A/CK5BA	048	0.99	0.95
FG3AAA	048	1.00	1.00	CK5A/CK5BT	048	0.99	0.95
FK4CNB	006	1.05	0.93	**COILS + 355MAV060080 VARIABLE SPEED FURNACE**			
FK4CNF	003	1.00	0.94	CC5A/CD5AA	042	0.98	0.94
	005	1.02	0.94	CD5AA	048	0.99	0.93
FV4ANB	006	1.05	0.92	CE3AA	042	0.98	0.95
FV4ANF	003	1.00	0.94		048	0.99	0.94
	005	1.02	0.93	CK3BA	048	0.99	0.96
FX4ANF	042	0.99	1.01	CK5A/CK5BA	048	0.99	0.96
	048	1.00	1.01	CK5A/CK5BT	048	0.99	0.96
COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE				**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
CC5A/CD5AA	042	0.98	0.95	CC5A/CD5AA	042	0.98	0.94
CC5A/CD5AC	048	0.98	0.93	CD5AA	048	0.99	0.93
CD5AA	048	0.99	0.94	CE3AA	042	0.98	0.95
CE3AA	042	0.98	0.95		048	0.99	0.94
	048	0.99	0.95	CK3BA	048	0.99	0.93
CK3BA	042	0.98	0.95	CK5A/CK5BA	048	0.99	0.93
	048	0.99	0.95	CK5A/CK5BT	048	0.99	0.93
CK5A/CK5BA	042	0.98	0.95	**COILS + 355MAV060120 VARIABLE SPEED FURNACE**			
	048	0.99	0.95	CC5A/CD5AA	042	0.98	0.94
CK5A/CK5BT	042	0.98	0.95	CC5A/CD5AW	042	0.98	0.94
	048	0.99	0.95		048	0.99	0.93
COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE				CE3AA	042	0.98	0.95
CC5A/CD5AW	042	0.98	0.93		048	0.99	0.94
	048	0.99	0.92	CK5A/CK5BW	048	0.99	0.93

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
		Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys
CFM	EWB	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**
591BN048-A Outdoor Section With CC5A/CD5AA060 Indoor Section																			
1400	72	54.78	28.94	3.91	52.62	27.99	4.34	50.14	26.93	4.80	47.39	25.81	5.29	44.34	24.61	5.82	40.75	23.23	6.36
	67	50.84	34.84	3.89	48.53	33.83	4.31	45.99	32.74	4.77	43.27	31.58	5.27	40.17	30.27	5.79	36.82	28.91	6.32
	62	46.15	40.77	3.87	43.72	39.57	4.27	41.17	38.30	4.70	38.38	36.84	5.15	35.31	35.31	5.62	32.71	32.71	6.15
	57	43.27	43.27	3.84	41.47	41.47	4.24	39.48	39.48	4.66	37.41	37.41	5.12	35.12	35.12	5.61	32.72	32.72	6.15
1600	72	55.80	30.03	3.99	53.49	29.07	4.42	50.96	28.05	4.88	48.16	26.92	5.37	44.99	25.67	5.90	41.26	24.20	6.44
	67	51.91	36.61	3.96	49.55	35.68	4.38	47.00	34.68	4.84	44.12	33.54	5.34	40.93	32.27	5.86	37.45	30.88	6.39
	62	47.28	43.40	3.94	44.79	42.23	4.38	42.17	40.82	4.80	39.28	39.28	5.25	36.69	36.69	5.74	34.25	34.25	6.30
	57	45.21	45.21	3.93	43.31	43.31	4.34	41.33	41.33	4.78	39.10	39.10	5.25	36.71	36.71	5.74	34.27	34.27	6.30
1800	72	56.50	30.79	4.07	54.14	29.87	4.50	51.55	28.88	4.96	48.72	27.79	5.45	45.43	26.53	5.97	41.61	24.99	6.52
	67	52.71	38.15	4.03	50.34	37.31	4.46	47.72	36.38	4.92	44.74	35.29	5.41	41.48	34.06	5.93	37.90	32.60	6.47
	62	48.24	45.71	4.02	45.73	44.50	4.45	42.97	42.97	4.90	40.50	40.50	5.37	38.11	38.11	5.88	35.49	35.49	6.44
	57	46.87	46.87	4.01	44.98	44.98	4.45	42.82	42.82	4.90	40.52	40.52	5.37	38.13	38.13	5.88	35.51	35.51	6.44

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	CC5A/CD5AW	048	0.98	0.94
CC5A/CD5AC	048	0.98	0.99		060	1.00	0.94
CC5A/CD5AW	048	0.99	1.00	CE3AA	048	0.98	0.95
	060	1.02	1.00		060	1.00	0.95
CD5AA	048	1.00	1.00	CK3BA	060	1.00	0.94
CE3AA	048	1.00	1.00	CK5A/CK5BA	060	1.00	0.94
	060	1.02	1.01	CK5A/CK5BT	060	1.00	0.94
CF5AA	048	1.00	0.99	CK5A/CK5BW	048	0.98	0.94
CK3BA	048	1.00	1.00	CK5A/CK5BX	060	1.01	0.94
	060	1.02	1.01	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
CK5A/CK5BA	048	1.00	1.00	CC5A/CD5AA	060	0.99	0.95
	060	1.02	1.01	CC5A/CD5AW	048	0.98	0.95
CK5A/CK5BT	048	1.00	1.00		060	1.00	0.95
	060	1.02	1.01	CE3AA	048	0.98	0.96
CK5A/CK5BW	048	1.00	1.00		060	1.00	0.95
CK5A/CK5BX	060	1.04	1.01	CK3BA	060	1.00	0.95
F(A,B)4AN(F,B,C)	048	1.00	1.02	CK5A/CK5BA	060	1.00	0.95
	060	1.02	1.04	CK5A/CK5BT	060	1.00	0.95
FB4ANB	070	1.04	1.02	CK5A/CK5BW	048	0.98	0.95
FC4BN(F,B)	048	1.00	1.02	CK5A/CK5BX	060	1.01	0.95
	060	1.02	1.03	**COILS + 355MAV060080 VARIABLE SPEED FURNACE**			
FC4BNB	054	1.03	1.01	CC5A/CD5AA	060	0.98	0.99
	070	1.04	1.02	CC5A/CD5AW	060	1.00	0.96
FG3AAA	048	0.98	1.00	CE3AA	060	1.00	0.96
	060	1.00	1.00	**COILS + 355MAV060100 VARIABLE SPEED FURNACE**			
FK4CNB	006	1.03	0.94	CC5A/CD5AA	060	0.99	0.96
FK4CNF	005	1.02	0.95	CC5A/CD5AW	060	1.00	0.96
FV4ANB	006	1.03	0.94	CE3AA	060	1.00	0.96
FV4ANF	005	1.02	0.95	CK3BA	060	1.00	0.96
FX4ANB	060	1.02	1.02	CK5A/CK5BA	060	1.00	0.96
FX4ANF	048	1.00	1.02	CK5A/CK5BT	060	1.00	0.96
COILS + 333(B,J)AV048080 VARIABLE SPEED FURNACE				CK5A/CK5BX	060	1.01	0.96
CC5A/CD5AC	048	0.98	0.95	**COILS + 355MAV060120 VARIABLE SPEED FURNACE**			
CD5AA	048	0.98	0.96	CC5A/CD5AA	060	0.99	0.96
CE3AA	048	0.98	0.97	CC5A/CD5AW	060	1.00	0.96
	060	1.00	0.96	CE3AA	060	1.00	0.96
CK3BA	048	0.98	0.97	CK3BA	060	1.00	0.96
CK5A/CK5BA	048	0.98	0.97	CK5A/CK5BA	060	1.00	0.96
CK5A/CK5BT	048	0.98	0.97	CK5A/CK5BT	060	1.00	0.96
COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE				CK5A/CK5BW	048	0.98	0.96
CC5A/CD5AA	060	0.99	0.94	CK5A/CK5BX	060	1.01	0.96

See notes on page 22.

DETAILED COOLING CAPACITIES* Continued

EVAP AIR		CONDENSER ENTERING AIR TEMPERATURES °F																	
		75			85			95			105			115			125		
		Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys	Capacity MBtuh†		Total Sys
CFM	EWB	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**	Total	Sens‡	Kw**
591BN060-A Outdoor Section With CC5A/CD5AW060 Indoor Section																			
1750	72	69.22	36.58	4.95	66.19	35.29	5.48	62.78	33.88	6.04	58.99	32.38	6.64	54.84	30.79	7.28	50.05	28.81	7.96
	67	64.38	44.16	4.89	61.20	42.74	5.40	57.80	41.24	5.97	54.15	39.67	6.59	50.11	37.96	7.23	45.63	36.09	7.89
	62	58.36	51.45	4.84	55.10	49.85	5.35	51.71	48.16	5.89	48.08	46.29	6.47	44.11	44.11	7.08	40.86	40.86	7.78
	57	54.62	54.62	4.77	52.25	52.25	5.27	49.61	49.61	5.82	46.91	46.91	6.43	43.95	43.95	7.07	40.88	40.88	7.78
2000	72	70.41	38.02	5.07	67.22	36.67	5.59	63.69	35.21	6.15	59.83	33.63	6.76	55.55	31.86	7.40	50.53	29.71	8.06
	67	65.69	46.32	4.99	62.45	44.98	5.51	59.00	43.56	6.08	55.22	42.01	6.69	50.99	40.29	7.32	46.36	38.32	7.98
	62	59.82	54.78	4.94	56.52	53.20	5.47	53.02	51.35	6.03	49.22	49.22	6.60	45.93	45.93	7.25	42.82	42.82	7.97
	57	57.09	57.09	4.92	54.55	54.55	5.43	51.94	51.94	6.00	49.04	49.04	6.59	45.95	45.95	7.25	42.84	42.84	7.97
2250	72	71.30	38.92	5.18	67.96	37.56	5.70	64.36	36.12	6.25	60.44	34.53	6.86	56.03	32.73	7.50	50.83	30.44	8.16
	67	66.69	48.23	5.10	63.44	46.97	5.62	59.94	45.63	6.19	55.98	44.11	6.78	51.64	42.39	7.42	46.91	40.31	8.08
	62	61.06	57.75	5.04	57.76	56.12	5.56	54.11	54.11	6.13	50.87	50.87	6.75	47.74	47.74	7.40	44.19	44.19	8.06
	57	59.25	59.25	5.03	56.71	56.71	5.56	53.92	53.92	6.13	50.89	50.89	6.75	47.76	47.76	7.40	44.21	44.21	8.06

Multipliers for Determining the Performance With Other Indoor Sections

Indoor Section	Size	Cooling		Indoor Section	Size	Cooling	
		Capacity	Power			Capacity	Power
CC5A/CD5AA	060	0.95	0.97	**COILS + 333(B,J)AV060100 VARIABLE SPEED FURNACE**			
CC5A/CD5AW	060	1.00	1.00	CC5A/CD5AA	060	0.95	0.96
CE3AA	060	1.00	1.00	CC5A/CD5AW	060	0.98	0.96
CK3BA	060	1.00	1.00	CE3AA	060	1.00	0.97
CK5A/CK5BA	060	1.00	1.00	CK3BA	060	0.99	0.96
CK5A/CK5BT	060	1.00	1.00	CK5A/CK5BA	060	0.99	0.96
CK5A/CK5BX	060	1.00	1.01	CK5A/CK5BT	060	0.99	0.96
F(A,B)4AN(F,B,C)	060	1.00	1.04	CK5A/CK5BX	060	1.00	0.96
FB4ANB	070	1.02	1.02	**COILS + 333(B,J)AV060120 VARIABLE SPEED FURNACE**			
FC4BN(F,B)	060	1.00	1.04	CC5A/CD5AA	060	0.95	0.97
FC4BNB	070	1.02	1.02	CC5A/CD5AW	060	0.98	0.97
FG3AAA	060	0.98	1.00	CE3AA	060	1.00	0.98
FK4CNB	006	1.02	0.97	CK3BA	060	0.99	0.97
FV4ANB	006	1.02	0.97	CK5A/CK5BA	060	0.99	0.97
FX4ANB	060	1.00	1.02	CK5A/CK5BT	060	0.99	0.97
	—	—	—	CK5A/CK5BX	060	1.00	0.97

* 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 outdoor unit kilowatts only.

CONDENSER ONLY RATINGS*

SST °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
591BN018-A									
30	TCG SDT KW	15.90 73.70 0.77	15.00 83.10 0.92	14.20 92.60 1.10	13.30 102.00 1.28	12.30 111.40 1.49	11.40 120.80 1.71	10.40 130.20 1.95	9.30 139.50 2.20
35	TCG SDT KW	17.50 75.30 0.79	16.60 84.60 0.94	15.60 93.90 1.11	14.70 103.30 1.30	13.70 112.60 1.51	12.70 122.00 1.74	11.60 131.20 1.98	10.40 140.50 2.24
40	TCG SDT KW	19.20 76.80 0.80	18.20 86.10 0.96	17.20 95.40 1.13	16.20 104.60 1.32	15.10 113.90 1.53	14.00 123.20 1.76	12.90 132.30 2.01	11.60 141.50 2.27
45	TCG SDT KW	21.10 78.40 0.82	20.00 87.60 0.97	18.90 96.80 1.15	17.80 106.00 1.34	16.70 115.20 1.55	15.50 124.40 1.79	14.20 133.50 2.03	12.90 142.50 2.30
50	TCG SDT KW	23.00 80.20 0.84	21.90 89.20 1.00	20.70 98.30 1.17	19.50 107.40 1.37	18.30 116.50 1.58	17.00 125.60 1.81	15.70 134.60 2.06	14.20 143.50 2.32
55	TCG SDT KW	25.10 82.00 0.87	23.90 90.90 1.02	22.60 99.90 1.20	21.30 109.00 1.39	20.00 117.90 1.60	18.60 126.90 1.83	17.10 135.80 2.08	15.50 144.60 2.35
591BN024-A									
30	TCG SDT KW	22.10 76.10 1.29	20.90 85.50 1.46	19.70 94.90 1.64	18.40 104.20 1.84	17.10 113.40 2.06	15.80 122.60 2.29	14.40 131.70 2.54	12.90 140.70 2.80
35	TCG SDT KW	24.40 77.80 1.31	23.10 87.10 1.48	21.70 96.40 1.67	20.40 105.60 1.86	19.00 114.80 2.08	17.50 123.90 2.32	16.00 132.90 2.57	14.40 141.80 2.83
40	TCG SDT KW	26.70 79.50 1.33	25.30 88.70 1.50	23.90 98.00 1.69	22.40 107.10 1.89	20.90 116.20 2.11	19.30 125.20 2.35	17.70 134.10 2.60	15.90 142.80 2.87
45	TCG SDT KW	29.20 81.30 1.36	27.70 90.50 1.53	26.10 99.60 1.71	24.50 108.60 1.92	22.90 117.60 2.13	21.20 126.50 2.38	19.40 135.30 2.63	17.40 143.90 2.90
50	TCG SDT KW	31.90 83.20 1.38	30.20 92.20 1.55	28.50 101.30 1.74	26.80 110.20 1.94	25.00 119.10 2.16	23.10 127.90 2.40	21.10 136.50 2.66	19.00 145.00 2.93
55	TCG SDT KW	34.60 85.10 1.41	32.80 94.10 1.58	31.00 103.00 1.77	29.10 111.90 1.97	27.10 120.60 2.19	25.10 129.30 2.43	22.90 137.70 2.68	20.60 146.00 2.95
591BN030-A									
30	TCG SDT KW	26.30 77.10 1.58	24.80 86.40 1.78	23.30 95.70 2.00	21.90 105.00 2.24	20.40 114.30 2.50	18.80 123.50 2.79	17.20 132.60 3.10	15.50 141.60 3.43
35	TCG SDT KW	28.90 78.80 1.60	27.30 88.10 1.81	25.70 97.30 2.03	24.10 106.50 2.27	22.50 115.70 2.53	20.80 124.80 2.82	19.00 133.80 3.13	17.20 142.60 3.46
40	TCG SDT KW	31.70 80.60 1.63	30.00 89.80 1.83	28.30 98.90 2.05	26.50 108.00 2.29	24.70 117.10 2.56	22.90 126.00 2.85	20.90 135.00 3.16	18.90 143.70 3.49
45	TCG SDT KW	34.70 82.50 1.65	32.80 91.50 1.86	30.90 100.60 2.08	29.00 109.60 2.32	27.10 118.50 2.58	25.00 127.40 2.88	22.90 136.10 3.18	20.60 144.70 3.51
50	TCG SDT KW	37.80 84.40 1.68	35.70 93.40 1.88	33.70 102.30 2.11	31.60 111.20 2.35	29.50 120.00 2.61	27.30 128.80 2.91	24.90 137.30 3.21	22.40 145.70 3.54
55	TCG SDT KW	41.00 86.40 1.71	38.80 95.30 1.91	36.60 104.10 2.14	34.30 112.90 2.39	32.00 121.60 2.65	29.60 130.10 2.94	27.00 138.60 3.24	24.20 146.70 3.56

See notes on page 25.

CONDENSER ONLY RATINGS* Continued

SST °F		CONDENSER ENTERING AIR TEMPERATURES °F							
		55	65	75	85	95	105	115	125
591BN036-A									
30	TCG SDT KW	32.70 77.00 1.99	30.90 86.20 2.23	29.10 95.40 2.49	27.30 104.60 2.77	25.40 113.80 3.09	23.50 122.90 3.43	21.50 132.00 3.79	19.40 140.90 4.19
35	TCG SDT KW	36.00 78.70 2.01	34.00 87.90 2.25	32.10 97.00 2.52	30.10 106.10 2.80	28.10 115.20 3.12	26.00 124.20 3.46	23.80 133.20 3.83	21.50 142.00 4.22
40	TCG SDT KW	39.50 80.60 2.04	37.40 89.60 2.28	35.30 98.70 2.55	33.10 107.70 2.83	30.90 116.60 3.14	28.60 125.50 3.49	26.20 134.40 3.86	23.60 143.00 4.25
45	TCG SDT KW	43.20 82.50 2.07	40.90 91.40 2.31	38.60 100.40 2.58	36.30 109.30 2.87	33.90 118.10 3.18	31.40 126.90 3.52	28.70 135.60 3.89	25.90 144.10 4.28
50	TCG SDT KW	47.10 84.50 2.10	44.60 93.30 2.34	42.10 102.10 2.61	39.60 110.90 2.90	37.00 119.70 3.21	34.20 128.30 3.56	31.30 136.80 3.92	28.20 145.20 4.31
55	TCG SDT KW	51.20 86.50 2.14	48.50 95.20 2.37	45.80 104.00 2.65	43.10 112.60 2.94	40.20 121.20 3.25	37.20 129.80 3.59	34.00 138.10 3.95	30.50 146.20 4.34
591BN042-A									
30	TCG SDT KW	39.20 78.20 2.25	37.10 87.30 2.54	34.90 96.50 2.85	32.70 105.60 3.19	30.50 114.70 3.56	28.20 123.60 3.96	25.70 132.60 4.38	23.10 141.40 4.82
35	TCG SDT KW	43.10 80.10 2.28	40.80 89.10 2.57	38.50 98.10 2.89	36.10 107.10 3.23	33.70 116.10 3.60	31.20 125.00 4.01	28.50 133.80 4.43	25.60 142.50 4.88
40	TCG SDT KW	47.20 82.00 2.31	44.80 90.90 2.61	42.30 99.90 2.93	39.70 108.80 3.27	37.10 117.60 3.64	34.30 126.40 4.05	31.40 135.10 4.49	28.20 143.70 4.94
45	TCG SDT KW	51.60 84.00 2.36	49.00 92.80 2.65	46.30 101.70 2.97	43.50 110.50 3.32	40.60 119.20 3.69	37.60 127.90 4.10	34.40 136.40 4.53	30.90 144.80 4.99
50	TCG SDT KW	56.30 86.20 2.40	53.40 94.90 2.69	50.40 103.50 3.01	47.40 112.20 3.36	44.30 120.80 3.73	41.00 129.40 4.15	37.40 137.80 4.58	33.60 145.90 5.03
55	TCG SDT KW	61.10 88.40 2.45	58.00 96.90 2.74	54.80 105.50 3.06	51.50 114.00 3.41	48.10 122.50 3.78	44.50 130.90 4.19	40.60 139.10 4.62	36.40 147.10 5.08
591BN048-A									
30	TCG SDT KW	45.50 80.40 2.62	43.10 89.40 2.96	40.70 98.50 3.32	38.30 107.50 3.69	35.80 116.50 4.10	33.20 125.50 4.54	30.50 134.40 4.99	27.50 143.10 5.47
35	TCG SDT KW	50.00 82.40 2.64	47.40 91.30 2.99	44.80 100.30 3.35	42.10 109.20 3.74	39.40 118.10 4.15	36.50 126.90 4.59	33.50 135.70 5.05	30.20 144.30 5.54
40	TCG SDT KW	54.80 84.50 2.66	51.90 93.20 3.01	49.10 102.10 3.38	46.20 110.90 3.78	43.20 119.70 4.20	40.00 128.40 4.65	36.70 137.00 5.11	33.10 145.40 5.60
45	TCG SDT KW	59.80 86.60 2.68	56.70 95.30 3.04	53.60 104.00 3.42	50.40 112.70 3.81	47.10 121.30 4.24	43.70 129.90 4.70	40.00 138.30 5.17	36.00 146.50 5.66
50	TCG SDT KW	65.10 88.90 2.71	61.70 97.40 3.07	58.30 106.00 3.45	54.80 114.50 3.86	51.20 123.00 4.28	47.40 131.40 4.74	43.40 139.70 5.22	38.90 147.70 5.71
55	TCG SDT KW	70.60 91.20 2.73	67.00 99.60 3.10	63.20 108.00 3.49	59.40 116.40 3.89	55.50 124.80 4.33	51.30 133.00 4.79	46.80 141.10 5.26	41.90 148.90 5.75

See notes on page 25.

CONDENSER ONLY RATINGS* Continued

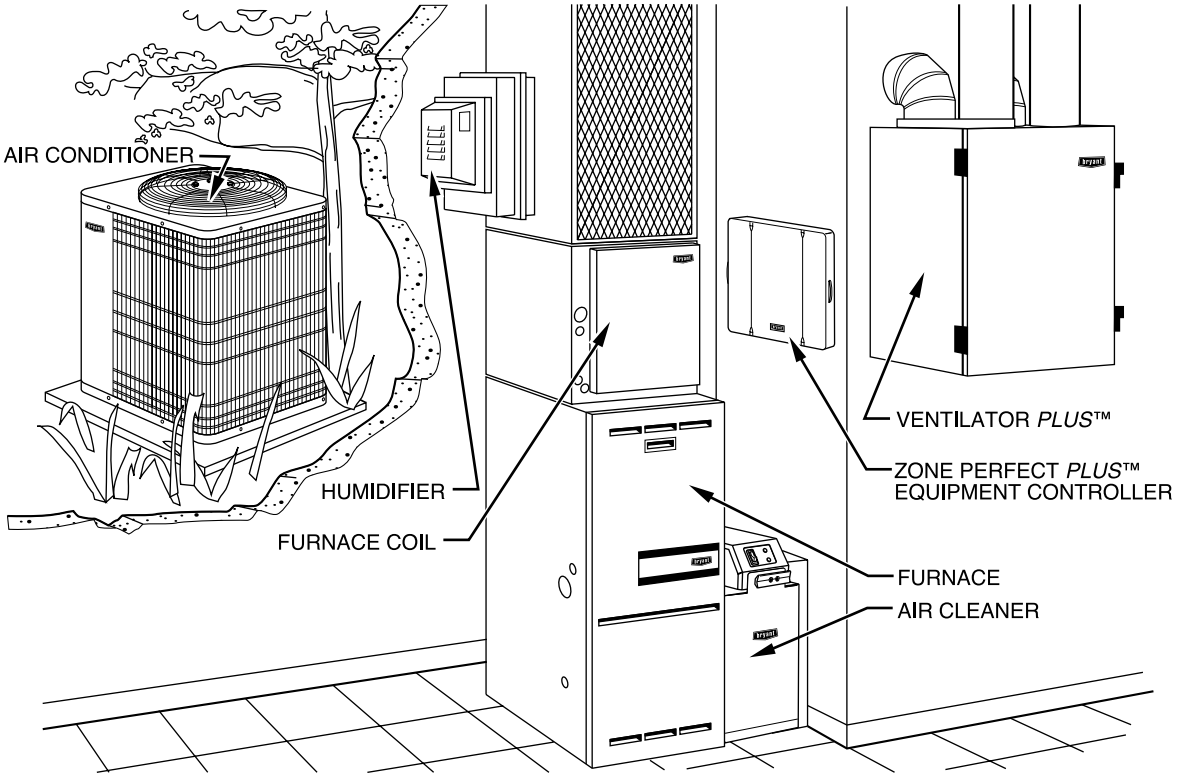
591BN060-A									
30	TCG SDT KW	58.20 83.60 3.22	55.10 92.50 3.62	52.00 101.40 4.06	48.80 110.40 4.54	45.50 119.20 5.08	42.10 127.90 5.63	38.20 136.40 6.19	33.80 144.70 6.71
35	TCG SDT KW	63.90 85.80 3.30	60.40 94.60 3.70	57.00 103.40 4.14	53.50 112.20 4.61	49.90 120.90 5.15	46.20 129.50 5.71	42.00 137.90 6.30	37.40 146.00 6.87
40	TCG SDT KW	69.80 88.20 3.38	66.10 96.80 3.78	62.30 105.50 4.22	58.40 114.10 4.69	54.50 122.60 5.23	50.30 131.10 5.79	45.90 139.40 6.39	40.80 147.30 6.98
45	TCG SDT KW	76.10 90.60 3.47	71.90 99.10 3.87	67.80 107.60 4.31	63.50 116.10 4.78	59.20 124.50 5.31	54.60 132.70 5.87	49.70 140.80 6.47	44.20 148.50 7.07
50	TCG SDT KW	82.60 93.20 3.57	78.10 101.50 3.97	73.50 109.80 4.41	68.80 118.10 4.87	64.00 126.30 5.40	59.00 134.40 5.95	53.60 142.20 6.54	47.50 149.80 7.14
55	TCG SDT KW	89.40 95.80 3.67	84.40 104.00 4.07	79.30 112.10 4.51	74.20 120.20 4.97	68.90 128.20 5.49	63.40 136.10 6.03	57.40 143.70 6.61	50.90 150.90 7.20

* ARI listing applies only to systems shown in Ratings and Performance 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 without additional consideration is: Indoor coil above = 20 ft, indoor coil below = 20 ft. Consult Application Guidelines and Service Manual—Air Conditioners and Heat Pumps Using Puron® Refrigerant prior to application if elevations are exceeded.
6. For interconnecting refrigerant tube lengths greater than 50 ft, consult the Application Guideline and Service Manual—Air Conditioners and Heat Pumps Using Puron® Refrigerant Application Guideline and Service Manual—Air Conditioners and Heat Pumps Using Puron® Refrigerant available from equipment distributor.
7. If any refrigerant tubing is buried, provide a 6 in. vertical rise to the valve connections at the unit. Refrigerant tubing lengths up to 36 in. may be buried without further consideration. Do not bury lines over 36 in.
8. Use only copper wire for electric connection at unit. Aluminum and clad aluminum are not acceptable for the type of connector provided.
9. Do not apply capillary tube indoor coils to these units.
10. Factory-supplied filter drier must be installed. This must be replaced each time the refrigeration system is opened for service.
11. Do not deviate from factory specified TXV's and Liquid Line Solenoids.

MATCHED SYSTEM



A98599

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 and efficiency, and listed in the lastest 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 450 psig.

Unit constructed in ISO9001 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 is all factory wiring, piping, controls, compressor, refrigerant charge Puron® (R-410A), and special features required prior to field start-up.

Refrigerant

Refrigerant will be Puron (R-410A) HFC Refrigerant with zero ozone depletion potential. R-410A is approved under the EPA's Significant New Alternatives Program (SNAP).

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.

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 PVC-coated 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, vapor-line shutoff valve with sweat connections, system charge of Puron® (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 evapo-rator at _____ °F wet bulb and _____ °F dry bulb, and air enter-ing 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 Hz. The unit will be capable of satisfactory opera-tion 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: New

PRINTED IN U.S.A. Catalog No. 5259-100 9-01