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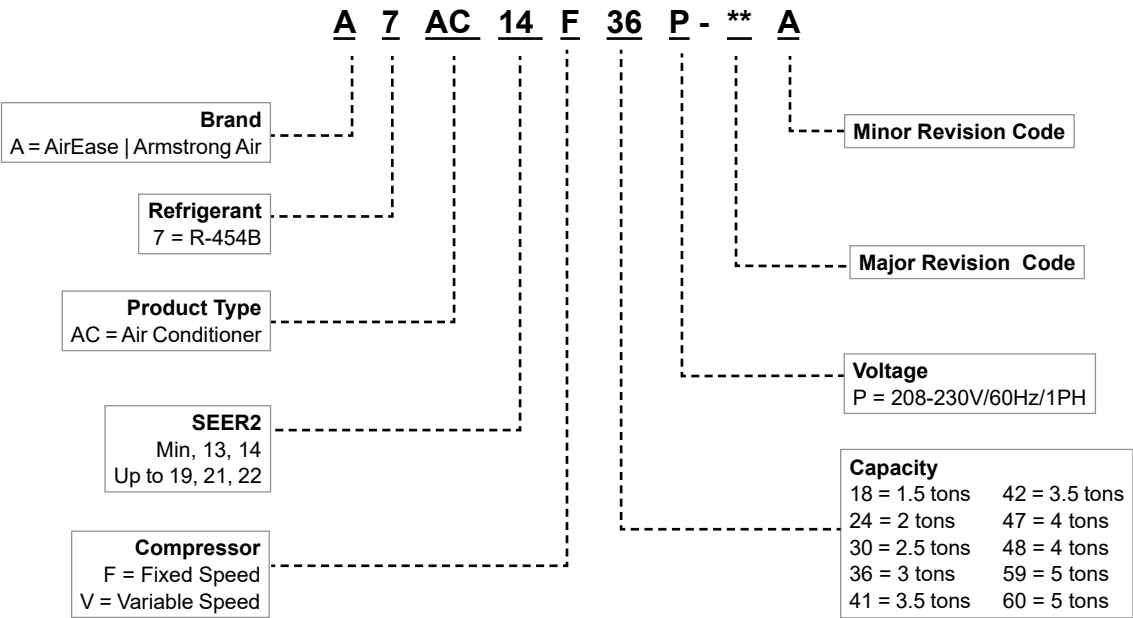
Single-Stage | Omniguard® Coil| R-454B | 60Hz

RESIDENTIAL
PRODUCT SPECIFICATIONS

SEER2 13.8 to 17.0
Cooling Capacity | 1.5 to 5 Tons



MODEL NUMBER IDENTIFICATION



FEATURE HIGHLIGHTS

1. Outdoor Coil Fan
2. Omniguard® Coil
3. High Capacity Liquid Line Drier
4. High and Low Pressure Switches
5. Scroll Compressor
6. Heavy Gauge Steel Cabinet
7. Louvered Coil Protection
8. Refrigerant Line Connections and Access



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APPROVALS AND WARRANTY

APPROVALS

- AHRI Standard 210/240-2023 certified
- AHRI Certified system match-ups and expanded ratings, visit www.alliedratings.com
- ENERGY STAR® Certified
- Sound rated to AHRI Standard 270-2008 test conditions
- Rated According to U.S. Department of Energy (DOE) test procedures
- Unit and components ETL, NEC and CEC bonded for grounding to meet safety standards for servicing
- ETL certified (U.S. and Canada)
- ISO 9001 Registered Manufacturing Quality System

WARRANTY

10-years limited warranty on all parts, extended warranty available. Warranty provides for a total of 10-years of limited warranty. Coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty).

Warranty must be registered online within 60 days of installation to qualify for 10-year coverage.

Unregistered equipment defaults to 5-year coverage.

See full warranty at www.alliedair.com for terms, conditions, and exclusions.

FEATURES

APPLICATIONS

- 1.5 through 5 tons
- Sound levels as low as 72 dBA
- Single-phase power supply
- Vertical air discharge
- Applicable to indoor air handlers or gas furnaces with indoor add-on coils
- Shipped completely factory assembled, piped and wired
- Factory test operated

REFRIGERATION SYSTEM

R-454B Refrigerant

- Low GWP (Global Warming Potential)
- Zero ODP (Ozone Depletion Potential)
- Unit is factory pre-charged

NOTE - Total system refrigerant charge is dependent on outdoor unit size, indoor unit size and refrigerant line length.

NOTE - Refer to the unit-mounted charging sticker to determine correct amount of charge required.

1 Outdoor Coil Fan

- Direct drive fan
- Vertical air discharge
- Totally enclosed fan motor
- Ball bearings
- Inherently protected
- PVC (polyvinyl chloride) coated steel fan guard

2 Omniguard® Coil

- Proprietary design
- Enhanced aluminum alloy tube/enhanced fin coil
- Superior corrosion resistance
- Ripple-edged aluminum fins
- Aluminum tube construction
- Lanced fins for maximum fin surface exposure
- Fin collars grip tubing for maximum contact area
- Flared shoulder tubing connections
- Factory tested under high pressure
- Entire coil is accessible for cleaning

3 High Capacity Liquid Line Drier

- Factory installed in the liquid line
- Drier traps moisture or dirt that could contaminate the system
- 100% molecular-sieve, bead type, bi-flow drier

4 High Pressure Switch

- Protects the system from high pressure conditions that can be a result of fan failure or a blocked/dirty coil
- Automatic reset

Low Pressure Switch

- Shuts off unit if suction pressure falls below setting
- Provides loss of charge and freeze-up protection
- Automatic reset

FEATURES

REFRIGERATION SYSTEM (Continued)

Optional Accessories

Expansion Valve Kits

- Factory installed with R-454B on all Indoor units
- See TXV Usage table
- Chatleff-style fitting

Freezestat

- Senses suction line temperature
- Cycles compressor off when suction line temperature falls below freezestat setpoint
- Opens at 29°F and closes at 58°F
- Installs on or near the discharge line of the evaporator or on the suction line

Loss of Charge Switch Kit

- Protects compressor from damage from low refrigerant charge conditions
- SPST, normally-closed
- Automatic reset

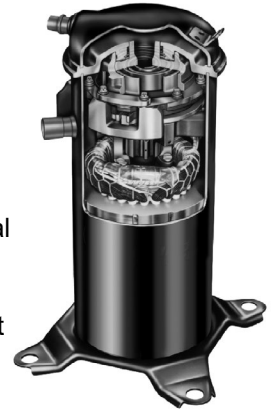
INDOOR REFRIGERANT DETECTION SYSTEM (RDS)

- Complies with UL 60335-2-40 approved standard
- Required for all systems using R-454B refrigerant
- Factory or field installed on all indoor units
- Consists of a RDS refrigerant detection sensor and an independent RDS control
- If refrigerant is detected the refrigerant detection system will prevent compressor and heating operation until refrigerant is no longer detected
- Refrigeration detection system also energizes the blower if refrigerant is detected to dissipate any concentrations of refrigerant from the space
- Refer to indoor unit Product Specifications documents for additional details

COMPRESSOR

5 Single-Stage Scroll Compressor

- High efficiency
- Uniform suction flow
- Constant discharge flow
- High volumetric efficiency
- Quiet operation
- Low gas pulses during compression reduces operational sound levels
- Compressor motor is internally protected from excessive current and temperature
- Muffler in discharge line reduces operating sound levels
- Compressor is installed in the unit on resilient rubber mounts for vibration free operation



Scroll Compressor Operation

- Two involute spiral scrolls matched together generate a series of crescent-shaped gas pockets between them
- During compression, one scroll remains stationary while the other scroll orbits around it
- Gas is drawn into the outer pocket, the pocket is sealed as the scroll rotates
- As the spiral movement continues, gas pockets are pushed to the center of the scrolls. Volume between the pockets is simultaneously reduced
- When the pocket reaches the center, gas is now at high pressure and is forced out of a port located in the center of the fixed scrolls
- During compression, several pockets are compressed simultaneously resulting in a smooth continuous compression cycle
- Continuous flank contact, maintained by centrifugal force, minimizes gas leakage and maximizes efficiency
- Compressor is tolerant to the effects of slugging and contaminants. If this occurs, scrolls separate, allowing liquid or contaminants to be worked toward the center and discharged

Compressor Crankcase Heater (041, 042, 047, 048, 059, 060 Models)

- Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication

Compressor Sound Dampening System

- Polymer outer shell
- 1/2 inch thick Polyester fiber insulation
- All open edges sealed with one-inch wide hook and loop fastening tape

FEATURES

COMPRESSOR (continued)

Optional Accessories

Compressor Crankcase Heater (018,024, 030 and 036 models)

- Prevents migration of liquid refrigerant into compressor and ensures proper compressor lubrication

Compressor Hard Start Kit

- Single-phase units are equipped with a PSC compressor motor
- This type of motor normally does not need a potential relay and start capacitor
- For conditions such as low voltage kit may be required to increase the compressor starting torque

Compressor Low Ambient Cut-Off Switch

- Non-adjustable switch (low ambient cut-out)
- Prevents compressor operation when outdoor temperature is below 35°F

Compressor Timed-Off Control

- Prevents compressor short-cycling
- Allows time for suction and discharge pressure to equalize
- Permits compressor start-up in an unloaded condition
- Automatic reset with 5 minute delay between compressor shut-off and start-up

Indoor Blower Off Delay Relay

- Delays the indoor blower-off time during the cooling cycle

Low Ambient Kit

- Air conditioners can operate down to 45°F outdoor air temperature without additional controls
- Allows unit to operate properly down to 30°F

NOTE - Crankcase heater and freezestat should be installed on compressors equipped with a low ambient kit.

NOTE - A compressor lock-out thermostat should be added to terminate compressor operation below recommended operation conditions.

CABINET

- 6 • Heavy-gauge steel construction
- Pre-painted cabinet finish
- Louvered heavy gauge steel panels surround unit on all four sides
- Control box is conveniently located with all controls factory wired
- Drainage holes are provided in base section for moisture removal

7 Louvered Coil Protection

- Steel louvered panels provides complete coil protection
- Panels may be completely removed for ease of coil cleaning and service

8 Refrigerant Line Connections, Electrical Inlets and Service Valves

- Sweat connection suction and liquid lines
- Located on corner of unit cabinet
- Suction valve can be fully shut off, while liquid valve may be front seated to manage refrigerant charge while servicing system
- Refrigerant line connections and field wiring inlets are located in one central area of the cabinet
- See dimension drawing

Braze-Free/Press Fitting Flexibility

- Units can accommodate braze-free or press fittings for installation versatility



SPECIFICATIONS				ALL REGIONS			
Size			018	024	030	036	041
Nominal Tonnage			1.5	2	2.5	3	3.5
Sound Rating Number		dBA	76	75	72	73	74
Connections (Sweat)	Liquid line (OD) - in.		3/8	3/8	3/8	3/8	3/8
	Suction line (OD) - in.		3/4	3/4	3/4	7/8	7/8
Compressor Type			1-Stage Scroll	1-Stage Scroll	1-Stage Scroll	1-Stage Scroll	1-Stage Scroll
Refrigerant	¹ R-454B charge furnished @ 15 FT		4 lbs. 14 oz.	4 lbs. 14 oz.	5 lbs. 10 oz.	6 lbs. 13 oz.	7 lbs. 7 oz.
	¹ R-454B charge furnished @ 30 FT		5 lbs. 7 oz.	5 lbs. 7 oz.	6 lbs. 3 oz.	7 lbs. 6 oz.	8 lbs. 0 oz.
Indoor Unit Expansion Valve (TXV)			26Z70	26Z70	26Z70	26Z70	26Z71
Outdoor Coil	Net face area - ft. ²	Outer coil	16.33	21.00	16.33	21.00	22.17
		Inner coil	-	-	15.75	20.25	21.33
	Tube diameter - in.		5/16	5/16	5/16	5/16	5/16
	Rows		1	1	2	2	2
	Fins - in.		26	26	22	22	22
Outdoor Fan	HP		1/8	1/8	1/8	1/6	1/3
		Diameter - in.	22	22	22	22	26
	Blades		2	3	3	3	3
		Cfm	2610	2990	2820	3040	3920
	Rpm	825	825	825	825	825	
	Watts		160	160	160	190	180
Shipping Data - lbs.			170	190	190	220	270
ELECTRICAL DATA							
Line voltage data (Volts-Phase-Hz)			208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
² Maximum overcurrent protection (MOCP) amps			15	20	25	30	35
³ Minimum circuit ampacity (MCA)			11.2	13.6	16.6	21.8	21
Compressor	Rated load amps		8.3	10.3	12.7	16.7	14.7
	Locked rotor amps		45	60.2	75.6	93.5	109
Fan Motor	Full load amps		0.74	0.74	0.74	1	2.6
	Locked rotor amps		1.65	1.65	1.65	1.9	--
OPTIONAL ACCESSORIES - ORDER SEPARATELY							
Compressor	Copeland	27V63	•	•	•	•	Factory Installed
Crankcase Heater	LG	27U16	•	•	•	•	
Compressor Hard Start Kit	Copeland	63W22	•				
		10J42		•	•	•	•
	LG	10J42	•	•	•	•	•
		88M91					
Compressor Low Ambient Cut-Off Switch			45F08	•	•	•	•
Compressor Timed-Off Control			47J27	•	•	•	•
Freezestat	3/8 in.	93G35	•	•	•	•	•
Indoor Blower Off Delay Relay			58M81	•	•	•	•
Loss of Charge Switch Kit			84M23	•	•	•	•
⁴ Low Ambient Kit (Fan Cycling)			34M72	•	•	•	•

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

¹ Refrigerant charge sufficient for 15/30 ft. length of refrigerant lines. For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

SPECIFICATIONS				ALL REGIONS			
Size		042	047	048	059	060	
Nominal Tonnage		3.5	4	4	5	5	
Sound Rating Number	dBA	76	74	75	73	75	
Connections (Sweat)	Liquid line (OD) - in.	3/8	3/8	3/8	3/8	3/8	
	Suction line (OD) - in.	7/8	7/8	7/8	7/8	1-1/8	
Compressor Type		1-Stage Scroll	1-Stage Scroll	1-Stage Scroll	1-Stage Scroll	1-Stage Scroll	
Refrigerant	¹ R-454B charge furnished @ 15 FT	7 lbs. 2 oz.	7 lbs. 13 oz.	8 lbs. 14 oz.	9 lbs. 8 oz.	8 lbs. 14 oz.	
	¹ R-454B charge furnished @ 30 FT	7 lbs. 11 oz.	8 lbs. 6 oz.	9 lbs. 7 oz.	10 lbs. 1 oz.	9 lbs. 7 oz.	
Indoor Unit Expansion Valve (TXV)		26Z71	26Z71	26Z71	26Z72	26Z72	
Outdoor Coil	Net face area - ft. ²	Outer coil	22.17	22.17	24.93	29.09	
		Inner coil	21.33	21.33	24.13	28.16	28.16
	Tube diameter - in.		5/16	5/16	5/16	5/16	5/16
	Rows		2	2	2	2	2
	Fins - in.		22	22	22	22	22
	Outdoor Fan	HP	1/4	1/3	1/4	1/3	1/4
Diameter - in.		26	26	22	26	26	
Blades		3	3	4	3	3	
Cfm		4060	3920	3700	4050	4180	
Rpm		825	825	825	825	825	
Watts		225	225	235	260	260	
Shipping Data - lbs.		250	270	260	300	305	
ELECTRICAL DATA							
Line voltage data (Volts-Phase-Hz)		208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60	
² Maximum overcurrent protection (MOCP) amps		35	35	50	50	50	
³ Minimum circuit ampacity (MCA)		23.2	25.2	29.7	31.8	31.2	
Compressor	Rated load amps	17.3	18.1	22.4	23.3	23.7	
	Locked rotor amps	123	126	126	143	157	
Fan Motor	Full load amps	1.56	2.6	1.7	2.6	1.56	
	Locked rotor amps	3.2	3.2	3.2	--	--	
OPTIONAL ACCESSORIES - ORDER SEPARATELY							
Compressor	Copeland	27V63	Factory Installed	Factory Installed	Factory Installed	Factory Installed	
Crankcase Heater	LG	27U16					
Compressor Hard Start Kit	Copeland	63W22					
		10J42	•	•	•	•	
	LG	10J42	•				
		88M91		•	•	•	
Compressor Low Ambient Cut-Off Switch		45F08	•	•	•	•	
Compressor Timed-Off Control		47J27	•	•	•	•	
Freezestat	3/8 in.	93G35	•	•	•	•	
Indoor Blower Off Delay Relay		58M81	•	•	•	•	
Loss of Charge Switch Kit		84M23	•	•	•	•	
⁴ Low Ambient Kit (Fan Cycling)		34M72	•	•	•	•	

NOTE - Extremes of operating range are plus 10% and minus 5% of line voltage.

¹ Refrigerant charge sufficient for 15/30 ft. length of refrigerant lines. For longer line set requirements see the Installation Instructions for information about line set length and additional refrigerant charge required.

² HACR type breaker or fuse.

³ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

⁴ Crankcase Heater and Freezestat are recommended with Low Ambient Kit.

SOUND DATA

Size	Sound Power ¹	Estimated Sound Pressure (dBA) ²		
		Approximate Distance ³		
		3.3 Feet (1 Meter)	6.6 Feet (2 Meters)	9.8 Feet (3 Meters)
018	76	68	62	58
024	75	67	61	57
030	72	64	58	54
036	73	65	59	55
041	74	66	60	56
042	76	68	62	58
047	74	66	60	56
048	75	67	61	57
059	73	65	59	55
060	75	67	61	57

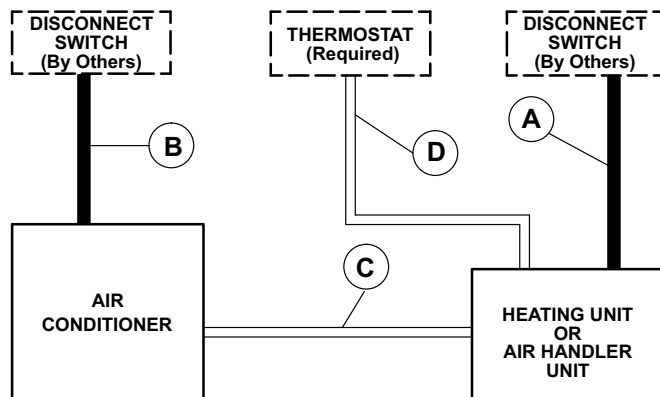
1 Rated in accordance with AHRI standard 270 (2015). AHRI Standard 270 establishes a method of rating outdoor unitary equipment in terms of Sound Power.

2 Rated in accordance with AHRI standard 275 (2010). AHRI Standard 275 provides the calculations for estimating the A-Weighted Sound Pressure at a given distance from the equipment. That is a more useful number because that is what humans will hear.

3 Based only on distance factor; other factors may change this value such as:

- Unit location (reflective surfaces adjacent to the unit)
- Barrier shielding sources
- Sound path/elevation
- Outside noise sources

FIELD WIRING



A - Two Wire Power (not furnished)

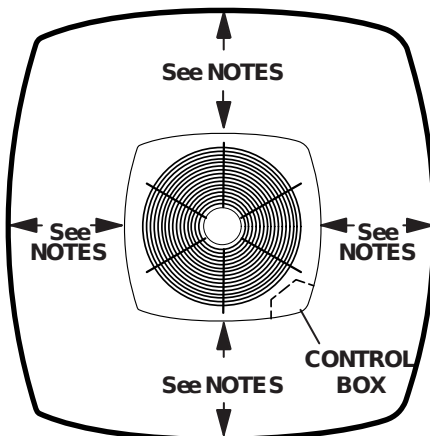
B - Two Power (not furnished). See Electrical Data

C - Four Wire Low Voltage (not furnished). 18 ga. minimum

D - Five Wire Low Voltage (not furnished). 18 ga. minimum

All wiring must conform to NEC or CEC and local electrical codes.

INSTALLATION CLEARANCES



Notes

Service clearance of 30 in. (762 mm) must be maintained on one of the sides adjacent to the control box.

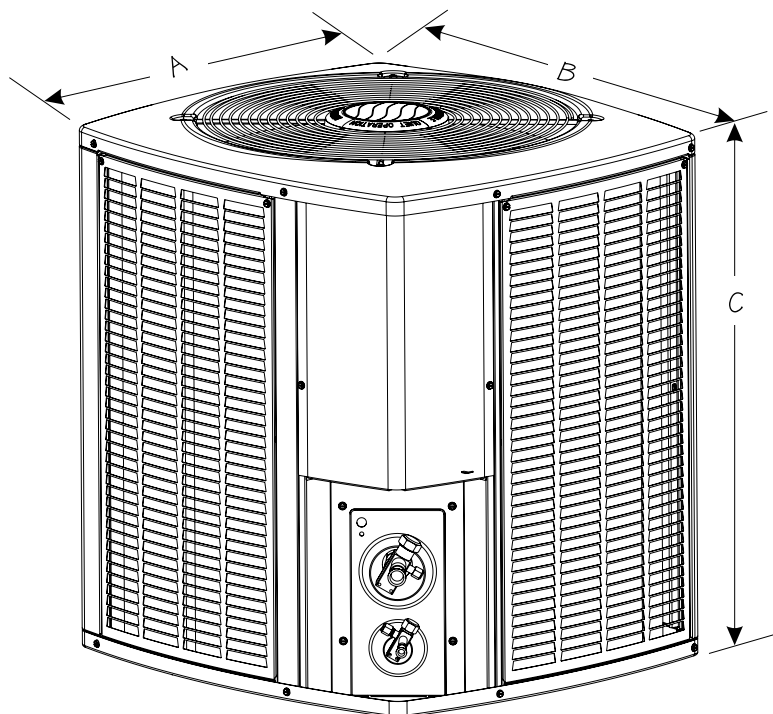
Clearance to one of the other three sides must be 36 in. (914 mm).

Clearance to one of the remaining two sides may be 12 in. (305 mm) and the final side may be 6 in. (152 mm).

A clearance of 24 in. must be maintained between two units. 48 in. (1219 mm) clearance required on top of unit.

Notice: Specific applications may require adjustment of the listed installation clearances to provide protection for the unit from physical damage or to avoid conditions which limit operating efficiency. (Example: Clearances may have to be increased to prevent snow or ice from falling on the top of the unit. Additional clearances may also be required to prevent air recirculation when the unit is installed under a desk or in another tight space.)

DIMENSIONS - UNIT



Model	Dimensions (inch)		
	A - Width	B - Depth	C - Height
018	29.38	31.25	29.75
024	29.38	31.25	37.75
030	29.38	31.25	29.75
036	29.38	31.25	37.75
041	35.75	37.75	33.75
042	35.75	37.75	33.75
047	35.75	37.75	33.75
048	29.38	31.25	43.75
059	35.75	37.75	43.75
060	35.75	37.75	43.75

TXV USAGE

All Allied coils and air handlers are shipped with a factory installed TXV. In most cases, no substitution is needed.

If a different size TXV is required, it will be listed in the "TXV SUBSTITUTION" table by size. The correct TXV must be ordered separately and field installed.

Size	Order Number
018	26Z70
024	26Z70
030	26Z70
036	26Z70
041	26Z71
042	26Z71
047	26Z71
048	26Z71
059	26Z72
060	26Z72

AHRI STANDARD 210/240-2023

Standard Ratings relating to cooling or heating capacities shall be net values, including the effects of circulating-fan heat, but not including supplementary electric heat. Power input used for calculating efficiency shall be the Total Power.

Standard Ratings of units which do not have indoor air-circulating fans furnished as part of the model, i.e., Coil-only System, shall be established by subtracting from the total cooling capacity 1,505 Btu/h per 1,000 SCFM, and by adding the same amount to the heating capacity for non-mobile-home, non-Space Constrained units. Total Power for both heating and cooling shall be increased by 441 W per 1,000 SCFM of indoor air circulated.

TXV SUBSTITUTION - R-454B

A general guide for replacing the factory installed R-454B TXV if the indoor unit (coil/air handler) is larger or smaller than the outdoor unit.

Outdoor Unit		Indoor Unit		Indoor TXV Furnished	Indoor TXV Replacement
Size	Tons	Size	Tons		
018	1.5	42	3.5	26Z71	26Z70
018	1.5	48	4	26Z71	26Z70
018	1.5	49	4	26Z71	26Z70
018	1.5	50/60	4/5	26Z71	26Z70
018	1.5	51/61	4/5	26Z71	26Z70
018	1.5	60	5	26Z72	26Z70
024	2	42	3.5	26Z71	26Z70
024	2	48	4	26Z71	26Z70
024	2	49	4	26Z71	26Z70
024	2	50/60	4/5	26Z71	26Z70
024	2	51/61	4/5	26Z71	26Z70
024	2	60	5	26Z72	26Z70
030	2.5	42	3.5	26Z71	26Z70
030	2.5	48	4	26Z71	26Z70
030	2.5	49	4	26Z71	26Z70
030	2.5	50/60	4/5	26Z71	26Z70
030	2.5	51/61	4/5	26Z71	26Z70
030	2.5	60	5	26Z71	26Z70
036	3	42	3.5	26Z71	26Z70
036	3	48	4	26Z71	26Z70
036	3	49	4	26Z71	26Z70
036	3	50/60	4/5	26Z71	26Z70
036	3	51/61	4/5	26Z71	26Z70
036	3	60	5	26Z72	26Z70
042	3.5	24	2	26Z70	26Z71
042	3.5	30	2.5	26Z70	26Z71
042	3.5	30/36	2.5/3	26Z70	26Z71
042	3.5	36	3	26Z70	26Z71
042	3.5	60	5	26Z72	26Z71
048	4	30/36	2.5/3	26Z70	26Z71
048	4	36	3	26Z70	26Z71
048	4	60	5	26Z72	26Z71
060	5	50/60	4/5	26Z71	26Z72
060	5	51/61	4/5	26Z71	26Z72

TXV Ranges:

26Z70 - 1.5 to 3 ton systems - Use on 3 ton (036) and lower systems.

26Z71 - 3.5-4 ton systems - Use on to 4 ton (048) and down to 3.5 ton (042) systems.

26Z72 - 5 ton systems - Use on 5 ton (060) systems only.

COOLING PERFORMANCE EXTENDED RATINGS

A7AC14F18P - 7E[C,U]24BX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° C)				125° F (51.7° C)								
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)										
						Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C	Dry Bulb	85°F 29.4°C	Dry Bulb	85°F 29.4°C					
			cfm	kBtuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C					
A7AC14F18P	7E[C,U]24BX	59°F (15°C)	530	17.4	0.92	0.93	1	1	16.7	1.06	0.95	1	1	16	1.2	0.98	1	1	1	15	1.34	1	1	1	1			
			600	18.2	0.92	0.97	1	1	17.5	1.05	1	1	16.7	1.19	1	1	15.6	1.34	1	1	14.6	1.49	1	1	1			
			680	18.8	0.92	1	1	1	18.1	1.05	1	1	17.2	1.19	1	1	16.2	1.34	1	1	15.1	1.48	1	1	1			
		63°F (17.2°C)	530	18	0.92	0.75	0.89	1	17.2	1.05	0.77	0.92	1	16.3	1.2	0.79	0.95	1	15.1	1.34	0.81	0.99	1	14.1	1.5	0.86	1	1
			600	18.6	0.92	0.78	0.94	1	17.7	1.05	0.8	0.97	1	16.7	1.19	0.83	1	1	15.6	1.34	0.86	1	1	14.6	1.49	0.91	1	1
			680	19	0.92	0.82	0.98	1	18.1	1.05	0.84	1	1	17.2	1.19	0.87	1	1	16.2	1.34	0.91	1	1	15	1.48	0.96	1	1
		67°F (19.4°C)	530	19.1	0.92	0.59	0.73	0.86	18.2	1.05	0.6	0.74	0.88	17.3	1.19	0.61	0.76	0.91	16.1	1.34	0.63	0.8	0.95	14.7	1.49	0.65	0.83	1
			600	19.6	0.92	0.61	0.76	0.91	18.7	1.05	0.63	0.78	0.93	17.6	1.19	0.64	0.81	0.96	16.4	1.33	0.66	0.84	1	15.1	1.48	0.69	0.88	1
			680	20	0.92	0.64	0.79	0.95	19.1	1.05	0.65	0.82	0.98	18	1.19	0.67	0.85	1	16.8	1.33	0.69	0.88	1	15.3	1.48	0.72	0.93	1
		71°F (21.7°C)	530	20.1	0.92	0.45	0.58	0.7	19.2	1.05	0.45	0.59	0.72	18.1	1.19	0.46	0.6	0.74	17	1.33	0.46	0.62	0.77	15.6	1.48	0.48	0.64	0.81
			600	20.6	0.92	0.46	0.6	0.74	19.6	1.05	0.47	0.61	0.76	18.6	1.19	0.47	0.63	0.79	17.4	1.33	0.48	0.65	0.82	16	1.47	0.49	0.68	0.86
			680	21	0.92	0.47	0.63	0.78	20	1.05	0.48	0.64	0.8	18.9	1.19	0.49	0.66	0.82	17.7	1.33	0.49	0.68	0.86	16.2	1.47	0.51	0.72	0.91

A7AC14F24P - 7E[C,U]30BX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
						Dry Bulb	80°F 26.7°C	75°F 23.9°C			Dry Bulb	80°F 26.7°C	75°F 23.9°C			Dry Bulb	80°F 26.7°C	75°F 23.9°C			Dry Bulb	80°F 26.7°C	75°F 23.9°C			Dry Bulb	80°F 26.7°C	75°F 23.9°C	Dry Bulb	80°F 26.7°C	75°F 23.9°C	Dry Bulb	80°F 26.7°C	75°F 23.9°C	Dry Bulb	80°F 26.7°C	75°F 23.9°C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

COOLING PERFORMANCE EXTENDED RATINGS

A7AC14F30P - 7E[C,U]J30BX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° C)				125° F (51.7° C)							
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)									
						Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C			Dry Bulb	85°F 29.4°C	Dry Bulb	85°F 29.4°C	Dry Bulb	85°F 29.4°C				
			cfm	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C					
A7AC14F30P	7E[C,U]J30BX	59°F (15°C)	940	1.58	0.96	1	1	27.8	1.8	0.98	1	1	26.5	2.05	1	1	25.5	2.34	1	1	24.1	2.67	1	1			
			1060	30	1.58	1	1	28.8	1.8	1	1	27.8	2.06	1	1	26.5	2.35	1	1	24.9	2.67	1	1				
			1190	30.9	1.58	1	1	29.9	1.8	1	1	28.7	2.06	1	1	27.3	2.35	1	1	25.8	2.67	1	1				
		63°F (17.2°C)	940	29.6	1.58	0.78	0.92	1	28.2	1.8	0.79	0.95	1	27	2.05	0.82	0.97	1	25.5	2.34	0.84	1	24	2.67	0.87	1	
			1060	30.2	1.58	0.81	0.97	1	29.1	1.8	0.84	0.99	1	27.8	2.06	0.85	1	26.4	2.35	0.88	1	25	2.67	0.92	1		
			1190	31.1	1.58	0.84	1	1	29.8	1.8	0.87	1	1	28.7	2.06	0.9	1	27.3	2.35	0.93	1	25.8	2.67	0.97	1		
		67°F (19.4°C)	940	31.3	1.58	0.61	0.76	0.89	30.1	1.8	0.63	0.77	0.91	28.7	2.06	0.64	0.8	0.94	27	2.35	0.66	0.82	0.97	25.4	2.67	0.67	0.85
			1060	32.1	1.58	0.64	0.78	0.93	30.6	1.81	0.65	0.81	0.96	29.2	2.06	0.66	0.83	0.99	27.6	2.35	0.68	0.86	1	25.9	2.67	0.7	0.89
			1190	32.7	1.58	0.66	0.82	0.98	31.3	1.81	0.67	0.84	1	29.8	2.06	0.69	0.87	1	28.2	2.35	0.71	0.9	1	26.4	2.67	0.73	0.94
		71°F (21.7°C)	940	33.1	1.58	0.47	0.6	0.73	31.6	1.81	0.48	0.61	0.75	30.2	2.06	0.49	0.63	0.77	28.7	2.35	0.49	0.64	0.79	27.1	2.67	0.5	0.67
			1060	33.7	1.59	0.49	0.63	0.77	32.4	1.81	0.49	0.64	0.78	31	2.06	0.5	0.65	0.81	29.4	2.35	0.51	0.67	0.84	27.6	2.67	0.52	0.69
			1190	34.4	1.59	0.5	0.65	0.8	33.1	1.81	0.5	0.66	0.82	31.6	2.06	0.51	0.68	0.85	30	2.35	0.52	0.7	0.88	28.1	2.67	0.53	0.73

A7AC14F36P - 7E[C,U]J36BX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil												125° F (51.7° C)											
				85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)					
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)						
						Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb			Dry Bulb			
				kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C				
A7AC14F36P	7E[C,U]J36BX	59°F (15°C)		35	1.96	0.91	1	1	33.8	2.21	0.93	1	1	32.4	2.48	0.96	1	1	29	3.21	1	1	1				
			1200	36.6	1.96	0.95	1	1	35.3	2.21	0.97	1	1	33.7	2.48	1	1	1	30.3	3.21	1	1	1				
			1350	37.9	1.96	0.98	1	1	36.6	2.21	1	1	1	34.8	2.48	1	1	1	31.4	3.21	1	1	1				
		63°F (17.2°C)		36.6	1.96	0.74	0.88	1	35.1	2.21	0.76	0.89	1	33.1	2.48	0.77	0.92	1	31.3	2.8	0.82	0.99	1				
			1200	37.7	1.96	0.76	0.91	1	35.9	2.21	0.78	0.94	1	34.1	2.48	0.8	0.97	1	32.1	2.81	0.86	1	1				
			1350	38.6	1.96	0.79	0.95	1	36.9	2.21	0.81	0.98	1	34.9	2.48	0.83	1	1	33.3	2.81	0.86	1	1				
		67°F (19.4°C)		38.7	1.95	0.58	0.71	0.84	37	2.21	0.59	0.73	0.86	35.3	2.48	0.6	0.75	0.88	33.4	2.81	0.62	0.77	0.92	0.95			
			1200	39.8	1.95	0.6	0.74	0.88	38	2.2	0.6	0.76	0.9	36.2	2.48	0.62	0.78	0.93	34.3	2.81	0.63	0.8	0.97	1			
			1350	40.5	1.95	0.61	0.76	0.92	38.7	2.2	0.62	0.79	0.94	37	2.48	0.63	0.81	0.97	35	2.8	0.65	0.83	1	1			
		71°F (21.7°C)		40.6	1.95	0.45	0.57	0.69	39	2.2	0.45	0.58	0.71	37.3	2.48	0.46	0.59	0.72	35.5	2.8	0.46	0.6	0.74	0.77			
			1200	41.5	1.94	0.46	0.57	0.72	40	2.19	0.46	0.6	0.74	38.2	2.48	0.46	0.6	0.75	36.2	2.8	0.46	0.63	0.78	0.81			
			1350	42.4	1.93	0.46	0.6	0.74	40.7	2.19	0.46	0.61	0.76	38.9	2.47	0.46	0.63	0.77	36.9	2.8	0.47	0.64	0.81	0.8			

COOLING PERFORMANCE EXTENDED RATINGS

A7AC14F41P - 7E[C,U]49CX

Outdoor	Indoor	Entering Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil																				
			85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° C)				125° F (51.7° C)				
			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)						
					Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb					
A7AC14F41P	7E[C,U]49CX	59°F (15°C)	cfm	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	
			1230	212	0.92	1	1	38.6	2.42	0.94	1	1	37.2	2.76	0.97	1	1	35.5	3.14	3.57	1	1	1
			1400	212	0.97	1	1	40.3	2.42	0.99	1	1	38.8	2.76	1	1	1	37	3.14	3.57	1	1	1
			1580	212	1	1	1	41.7	2.43	1	1	40.2	2.77	1	1	1	38.4	3.15	3.57	1	1	1	
			1230	212	0.75	0.89	1	39.7	2.42	0.76	0.91	1	38	2.76	0.77	0.93	1	35.9	3.14	3.57	0.82	0.99	1
			1400	212	0.78	0.93	1	40.9	2.42	0.79	0.95	1	39.1	2.76	0.81	0.98	1	37.2	3.14	3.57	0.86	1	1
			1580	213	0.81	0.97	1	41.9	2.43	0.82	1	40.2	2.77	0.84	1	1	38.4	3.15	3.57	0.91	1	1	
			1230	213	0.59	0.72	0.85	42	2.43	0.6	0.74	0.87	40.2	2.77	0.6	0.75	0.9	38.1	3.15	3.58	0.63	0.79	0.96
			1400	213	0.61	0.76	0.9	43.2	2.43	0.62	0.77	0.92	41.3	2.77	0.63	0.79	0.95	39.3	3.15	3.58	0.66	0.84	1
			1580	213	0.63	0.79	0.94	44.2	2.43	0.64	0.8	0.97	42.2	2.77	0.65	0.82	0.99	40.1	3.15	3.58	0.68	0.88	1
A7AC14F41P	7E[C,U]49CX	67°F (19.4°C)	1230	213	0.45	0.58	0.7	44.1	2.43	0.45	0.58	0.71	42.2	2.77	0.45	0.59	0.73	40.3	3.15	3.58	0.45	0.62	0.77
			1400	213	0.45	0.6	0.73	45.4	2.44	0.46	0.61	0.75	43.2	2.77	0.46	0.62	0.77	41.1	3.15	3.58	0.47	0.65	0.82
			1580	214	0.47	0.62	0.76	46.4	2.44	0.47	0.63	0.78	44.2	2.78	0.47	0.64	0.8	42	3.16	3.58	0.49	0.68	0.86
			1230	213	0.35	0.48	0.6	43.1	2.43	0.36	0.49	0.63	41.1	2.43	0.36	0.49	0.63	40.1	3.15	3.58	0.38	0.51	0.66
			1400	213	0.35	0.48	0.6	43.1	2.43	0.36	0.49	0.63	41.1	2.43	0.36	0.49	0.63	40.1	3.15	3.58	0.38	0.51	0.66
			1580	213	0.35	0.48	0.6	43.1	2.43	0.36	0.49	0.63	41.1	2.43	0.36	0.49	0.63	40.1	3.15	3.58	0.38	0.51	0.66
			1230	213	0.25	0.38	0.5	42.1	2.43	0.26	0.39	0.51	41.1	2.43	0.26	0.39	0.51	40.1	3.15	3.58	0.27	0.4	0.53
			1400	213	0.25	0.38	0.5	42.1	2.43	0.26	0.39	0.51	41.1	2.43	0.26	0.39	0.51	40.1	3.15	3.58	0.27	0.4	0.53
			1580	213	0.25	0.38	0.5	42.1	2.43	0.26	0.39	0.51	41.1	2.43	0.26	0.39	0.51	40.1	3.15	3.58	0.27	0.4	0.53
			1230	213	0.15	0.28	0.4	41.1	2.43	0.16	0.29	0.41	40.1	2.43	0.16	0.29	0.41	39.1	3.15	3.58	0.17	0.3	0.43
A7AC14F41P	7E[C,U]49CX	71°F (21.7°C)	1230	213	0.15	0.28	0.4	41.1	2.43	0.16	0.29	0.41	40.1	2.43	0.16	0.29	0.41	39.1	3.15	3.58	0.17	0.3	0.43
			1400	213	0.15	0.28	0.4	41.1	2.43	0.16	0.29	0.41	40.1	2.43	0.16	0.29	0.41	39.1	3.15	3.58	0.17	0.3	0.43
			1580	213	0.15	0.28	0.4	41.1	2.43	0.16	0.29	0.41	40.1	2.43	0.16	0.29	0.41	39.1	3.15	3.58	0.17	0.3	0.43
			1230	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1400	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1580	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1230	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1400	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1580	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33
			1230	213	0.05	0.18	0.3	40.1	2.43	0.06	0.19	0.31	39.1	2.43	0.06	0.19	0.31	38.1	3.15	3.58	0.07	0.2	0.33

A7AC14F42P - 7E[C,U]49CX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
				85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° C)				125° F (51.7° C)								
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)										
						Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb			Dry Bulb	Dry Bulb									
A7AC14F42P	7E[C,U]49CX	59°F (15°C)	cfm	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C						
				41.1	2.26	0.91	1	1	39.7	2.57	0.93	1	1	38.1	2.89	0.96	1	1	36.1	3.23	0.99	1	1	34.2	3.6	1	1	1
			1400	4.3	2.27	0.96	1	1	41.4	2.57	0.98	1	1	39.7	2.89	1	1	1	37.8	3.23	1	1	1	35.7	3.58	1	1	1
			1580	44.5	2.26	0.99	1	1	42.9	2.57	1	1	1	40.9	2.88	1	1	1	39.1	3.22	1	1	1	36.8	3.57	1	1	1
			1230	42.7	2.26	0.74	0.88	1	40.9	2.57	0.75	0.9	1	39	2.89	0.77	0.92	1	36.6	3.23	0.79	0.96	1	34.3	3.6	0.82	0.99	1
			1400	44	2.26	0.77	0.92	1	42.2	2.57	0.79	0.94	1	40.1	2.89	0.81	0.97	1	37.9	3.23	0.83	1	1	35.7	3.58	0.86	1	1
			1580	45.1	2.26	0.8	0.96	1	43.2	2.57	0.82	0.99	1	41	2.88	0.84	1	1	39.1	3.22	0.87	1	1	36.9	3.57	0.91	1	1
			1230	45.1	2.26	0.58	0.72	0.84	43.3	2.57	0.59	0.73	0.86	41.3	2.88	0.6	0.75	0.89	39	3.22	0.61	0.77	0.92	36.4	3.58	0.63	0.8	0.96
			1400	46.5	2.26	0.6	0.75	0.89	44.6	2.56	0.61	0.76	0.91	42.2	2.88	0.63	0.78	0.94	40	3.21	0.64	0.81	0.97	37.4	3.57	0.66	0.84	1
			1580	47.5	2.26	0.62	0.78	0.93	45.6	2.56	0.63	0.8	0.95	43.1	2.87	0.65	0.82	0.98	40.9	3.21	0.66	0.85	1	38.2	3.56	0.69	0.88	1
A7AC14F42P	7E[C,U]49CX	63°F (17.2°C)	1230	47.4	2.26	0.44	0.57	0.69	45.5	2.56	0.44	0.58	0.71	43.5	2.88	0.45	0.59	0.72	41.1	3.21	0.45	0.6	0.74	38.2	3.56	0.46	0.62	0.77
				1400	48.8	2.25	0.45	0.59	0.72	46.8	2.56	0.46	0.6	0.74	44.5	2.87	0.46	0.61	0.76	42	3.2	0.46	0.63	0.78	39.2	3.54	0.47	0.65
			1580	50	2.25	0.46	0.61	0.76	47.9	2.55	0.47	0.63	0.77	45.5	2.86	0.47	0.64	0.8	42.9	3.19	0.48	0.66	0.82	40.1	3.53	0.48	0.68	0.86
				1580	50	2.25	0.46	0.61	0.76	47.9	2.55	0.47	0.63	0.77	45.5	2.86	0.47	0.64	0.8	42.9	3.19	0.48	0.66	0.82	40.1	3.53	0.48	0.68

A7AC14F47P - 7E[C,U]60CX

A7AC14F | 1.5 to 5 Ton Air Conditioner | Page 14

Outdoor	Indoor	Outdoor Air Temperature Entering Outdoor Coil																													
		85° F (29.4° C)				95° F (35° C)				105° F (40.6° C)				115° F (46.1° C)				125° F (51.7° C)													
		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)		Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)															
Entering Wet Bulb Temperature	Total Air Volume	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C										
A7AC1A48P	7E1CJy60CX	59°F (15°C)	1400	48	2.76	0.91	1	1	1	46	3.1	0.94	1	1	1	44.3	3.48	0.97	1	1	41.9	3.92	1	1	1	39.9	4.43	1	1	1	85°F 29.4°C
			1600	50.2	2.76	0.96	1	1	48	3.1	0.98	1	1	1	1	46	3.48	1	1	1	43.8	3.92	1	1	1	41.6	4.44	1	1	1	85°F 29.4°C
			1800	52.1	2.76	1	1	1	49.8	3.1	1	1	1	1	1	47.6	3.48	1	1	1	45.3	3.92	1	1	1	43	4.44	1	1	1	85°F 29.4°C
			1400	50	2.76	0.73	0.88	1	47.7	3.1	0.75	0.9	1	44.9	3.48	0.77	0.93	1	42.4	3.92	0.79	0.96	1	39.9	4.43	0.81	0.99	1	1	1	85°F 29.4°C
			1600	51.4	2.76	0.77	0.92	1	49	3.1	0.79	0.95	1	46.2	3.48	0.81	0.98	1	43.8	3.92	0.83	1	1	41.6	4.44	0.86	1	1	1	1	85°F 29.4°C
7E1CJy60CX	67°F (19.4°C)	59°F (15°C)	1800	52.4	2.76	0.8	0.97	1	49.8	3.1	0.82	0.99	1	47.6	3.48	0.85	1	45.3	3.92	0.87	1	1	43.1	4.44	0.9	1	1	1	1	85°F 29.4°C	
			1400	52.6	2.76	0.58	0.71	0.84	50.3	3.1	0.59	0.73	0.87	47.7	3.48	0.59	0.74	0.9	45.2	3.92	0.61	0.77	0.92	42.7	4.44	0.62	0.79	0.96	85°F 29.4°C		
			1600	54	2.76	0.6	0.75	0.89	51.5	3.1	0.61	0.77	0.92	49	3.48	0.62	0.78	0.95	46.4	3.92	0.63	0.81	0.98	43.7	4.44	0.65	0.84	1	1	85°F 29.4°C	
			1800	55.2	2.75	0.62	0.78	0.94	52.6	3.1	0.63	0.8	0.96	50	3.48	0.65	0.82	0.99	47.4	3.93	0.66	0.85	1	44.6	4.44	0.68	0.89	1	1	85°F 29.4°C	
			1400	55.5	2.75	0.43	0.57	0.69	52.9	3.1	0.44	0.57	0.71	50.5	3.48	0.44	0.58	0.72	48	3.92	0.45	0.59	0.74	45.1	4.44	0.45	0.61	0.77	85°F 29.4°C		
A7AC1A48P	71°F (21.7°C)	59°F (15°C)	1600	56.8	2.75	0.44	0.58	0.72	54.5	3.09	0.45	0.6	0.74	51.9	3.48	0.46	0.61	0.76	49	3.92	0.46	0.63	0.79	46.3	4.44	0.47	0.64	0.81	85°F 29.4°C		
			1800	58.1	2.74	0.46	0.61	0.76	55.6	3.09	0.46	0.62	0.78	53	3.47	0.47	0.63	0.81	50	3.92	0.47	0.65	0.83	47.2	4.44	0.48	0.67	0.86	85°F 29.4°C		

COOLING PERFORMANCE EXTENDED RATINGS

A7AC14F59P - 7E[C,U]J60CX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
				85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)						115° F (46.1° C)						125° F (51.7° C)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
						Dry Bulb	80°F 26.7°C	85°F 29.4°C			Dry Bulb	75°F 23.9°C	80°F 26.7°C			85°F 29.4°C	Dry Bulb	75°F 23.9°C			80°F 26.7°C	85°F 29.4°C	Dry Bulb			75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Dry Bulb	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
A7AC14F59P	7E[C,U]60CX	63°F (17.2°C)	cfm	1500	53.4	3.21	kW	51.6	3.61	kW	49.5	4.06	kW	47	45.9	4.59	kW	45.1	5.23	kW	43.9	5.23	kW	42.7	5.23	kW	41.5	5.23	kW	40.3	5.23	kW	39.1	5.23	kW	37.9	5.23	kW	36.7	5.23	kW	35.5	5.23	kW	34.3	5.23	kW	33.1	5.23	kW	31.9	5.23	kW	30.7	5.23	kW	29.5	5.23	kW	28.3	5.23	kW	27.1	5.23	kW	25.9	5.23	kW	24.7	5.23	kW	23.5	5.23	kW	22.3	5.23	kW	21.1	5.23	kW	19.9	5.23	kW	18.7	5.23	kW	17.5	5.23	kW	16.3	5.23	kW	15.1	5.23	kW	13.9	5.23	kW	12.7	5.23	kW	11.5	5.23	kW	10.3	5.23	kW	9.1	5.23	kW	7.9	5.23	kW	6.7	5.23	kW	5.5	5.23	kW	4.3	5.23	kW	3.1	5.23	kW	1.9	5.23	kW	0.7	5.23	kW	-0.5	5.23	kW	-1.7	5.23	kW	-2.9	5.23	kW	-4.1	5.23	kW	-5.3	5.23	kW	-6.5	5.23	kW	-7.7	5.23	kW	-8.9	5.23	kW	-10.1	5.23	kW	-11.3	5.23	kW	-12.5	5.23	kW	-13.7	5.23	kW	-14.9	5.23	kW	-16.1	5.23	kW	-17.3	5.23	kW	-18.5	5.23	kW	-19.7	5.23	kW	-20.9	5.23	kW	-22.1	5.23	kW	-23.3	5.23	kW	-24.5	5.23	kW	-25.7	5.23	kW	-26.9	5.23	kW	-28.1	5.23	kW	-29.3	5.23	kW	-30.5	5.23	kW	-31.7	5.23	kW	-32.9	5.23	kW	-34.1	5.23	kW	-35.3	5.23	kW	-36.5	5.23	kW	-37.7	5.23	kW	-38.9	5.23	kW	-40.1	5.23	kW	-41.3	5.23	kW	-42.5	5.23	kW	-43.7	5.23	kW	-44.9	5.23	kW	-46.1	5.23	kW	-47.3	5.23	kW	-48.5	5.23	kW	-49.7	5.23	kW	-50.9	5.23	kW	-52.1	5.23	kW	-53.3	5.23	kW	-54.5	5.23	kW	-55.7	5.23	kW	-56.9	5.23	kW	-58.1	5.23	kW	-59.3	5.23	kW	-60.5	5.23	kW	-61.7	5.23	kW	-62.9	5.23	kW	-64.1	5.23	kW	-65.3	5.23	kW	-66.5	5.23	kW	-67.7	5.23	kW	-68.9	5.23	kW	-70.1	5.23	kW	-71.3	5.23	kW	-72.5	5.23	kW	-73.7	5.23	kW	-74.9	5.23	kW	-76.1	5.23	kW	-77.3	5.23	kW	-78.5	5.23	kW	-79.7	5.23	kW	-80.9	5.23	kW	-82.1	5.23	kW	-83.3	5.23	kW	-84.5	5.23	kW	-85.7	5.23	kW	-86.9	5.23	kW	-88.1	5.23	kW	-89.3	5.23	kW	-90.5	5.23	kW	-91.7	5.23	kW	-92.9	5.23	kW	-94.1	5.23	kW	-95.3	5.23	kW	-96.5	5.23	kW	-97.7	5.23	kW	-98.9	5.23	kW	-100.1	5.23	kW	-101.3	5.23	kW	-102.5	5.23	kW	-103.7	5.23	kW	-104.9	5.23	kW	-106.1	5.23	kW	-107.3	5.23	kW	-108.5	5.23	kW	-109.7	5.23	kW	-110.9	5.23	kW	-112.1	5.23	kW	-113.3	5.23	kW	-114.5	5.23	kW	-115.7	5.23	kW	-116.9	5.23	kW	-118.1	5.23	kW	-119.3	5.23	kW	-120.5	5.23	kW	-121.7	5.23	kW	-122.9	5.23	kW	-124.1	5.23	kW	-125.3	5.23	kW	-126.5	5.23	kW	-127.7	5.23	kW	-128.9	5.23	kW	-130.1	5.23	kW	-131.3	5.23	kW	-132.5	5.23	kW	-133.7	5.23	kW	-134.9	5.23	kW	-136.1	5.23	kW	-137.3	5.23	kW	-138.5	5.23	kW	-139.7	5.23	kW	-140.9	5.23	kW	-142.1	5.23	kW	-143.3	5.23	kW	-144.5	5.23	kW	-145.7	5.23	kW	-146.9	5.23	kW	-148.1	5.23	kW	-149.3	5.23	kW	-150.5	5.23	kW	-151.7	5.23	kW	-152.9	5.23	kW	-154.1	5.23	kW	-155.3	5.23	kW	-156.5	5.23	kW	-157.7	5.23	kW	-158.9	5.23	kW	-160.1	5.23	kW	-161.3	5.23	kW	-162.5	5.23	kW	-163.7	5.23	kW	-164.9	5.23	kW	-166.1	5.23	kW	-167.3	5.23	kW	-168.5	5.23	kW	-169.7	5.23	kW	-170.9	5.23	kW	-172.1	5.23	kW	-173.3	5.23	kW	-174.5	5.23	kW	-175.7	5.23	kW	-176.9	5.23	kW	-178.1	5.23	kW	-179.3	5.23	kW	-180.5	5.23	kW	-181.7	5.23	kW	-182.9	5.23	kW	-184.1	5.23	kW	-185.3	5.23	kW	-186.5	5.23	kW	-187.7	5.23	kW	-188.9	5.23	kW	-190.1	5.23	kW	-191.3	5.23	kW	-192.5	5.23	kW	-193.7	5.23	kW	-194.9	5.23	kW	-196.1	5.23	kW	-197.3	5.23	kW	-198.5	5.23	kW	-199.7	5.23	kW	-200.9	5.23	kW	-202.1	5.23	kW	-203.3	5.23	kW	-204.5	5.23	kW	-205.7	5.23	kW	-206.9	5.23	kW	-208.1	5.23	kW	-209.3	5.23	kW	-210.5	5.23	kW	-211.7	5.23	kW	-212.9	5.23	kW	-214.1	5.23	kW	-215.3	5.23	kW	-216.5	5.23	kW	-217.7	5.23	kW	-218.9	5.23	kW	-220.1	5.23	kW	-221.3	5.23	kW	-222.5	5.23	kW	-223.7	5.23	kW	-224.9	5.23	kW	-226.1	5.23	kW	-227.3	5.23	kW	-228.5	5.23	kW	-229.7	5.23	kW	-230.9	5.23	kW	-232.1	5.23	kW	-233.3	5.23	kW	-234.5	5.23	kW	-235.7	5.23	kW	-236.9	5.23	kW	-238.1	5.23	kW	-239.3	5.23	kW	-240.5	5.23	kW	-241.7	5.23	kW	-242.9	5.23	kW	-244.1	5.23	kW	-245.3	5.23	kW	-246.5	5.23	kW	-247.7	5.23	kW	-248.9	5.23	kW	-250.1	5.23	kW	-251.3	5.23	kW	-252.5	5.23	kW	-253.7	5.23	kW	-254.9	5.23	kW	-256.1	5.23	kW	-257.3	5.23	kW	-258.5	5.23	kW	-259.7	5.23	kW	-260.9	5.23	kW	-262.1	5.23	kW	-263.3	5.23	kW	-264.5	5.23	kW	-265.7	5.23	kW	-266.9	5.23	kW	-268.1	5.23	kW	-269.3	5.23	kW	-270.5	5.23	kW	-271.7	5.23	kW	-272.9	5.23	kW	-274.1	5.23	kW	-275.3	5.23	kW	-276.5	5.23	kW	-277.7	5.23	kW	-278.9	5.23	kW	-280.1	5.23	kW	-281.3	5.23	kW	-282.5	5.23	kW	-283.7	5.23	kW	-284.9	5.23	kW	-286.1	5.23	kW	-287.3	5.23	kW	-288.5	5.23	kW	-289.7	5.23	kW	-290.9	5.23	kW	-292.1	5.23	kW	-293.3	5.23	kW	-294.5	5.23	kW	-295.7	5.23	kW	-296.9	5.23	kW	-298.1	5.23	kW	-299.3	5.23	kW	-300.5	5.23	kW	-301.7	5.23	kW	-302.9	5.23	kW	-304.1	5.23	kW	-305.3	5.23	kW	-306.5	5.23	kW	-307.7	5.23	kW	-308.9	5.23	kW	-310.1	5.23	kW	-311.3	5.23	kW	-312.5	5.23	kW	-313.7	5.23	kW	-314.9	5.23	kW	-316.1	5.23	kW	-317.3	5.23	kW	-318.5	5.23	kW	-319.7	5.23	kW	-320.9	5.23	kW	-322.1	5.23	kW	-323.3	5.23	kW	-324.5	5.23	kW	-325.7	5.23	kW	-326.9	5.23	kW	-328.1	5.23	kW	-329.3	5.23	kW	-330.5	5.23	kW	-331.7	5.23	kW	-332.9	5.23	kW	-334.1	5.23	kW	-335.3	5.23	kW	-336.5	5.23	kW	-337.7	5.23	kW	-338.9	5.23	kW	-340.1	5.23	kW	-341.3	5.23	kW	-342.5	5.23	kW	-343.7	5.23	kW	-344.9	5.23	kW	-346.1	5.23	kW	-347.3	5.23	kW	-348.5	5.23	kW	-349.7	5.23	kW	-350.9	5.23	kW	-352.1	5.23	kW	-353.3	5.23	kW	-354.5	5.23	kW	-355.7	5.23	kW	-356.9	5.23	kW	-358.1	5.23	kW	-359.3	5.23	kW	-360.5	5.23	kW	-361.7	5.23	kW	-362.9	5.23	kW	-364.1	5.23	kW	-365.3	5.23	kW	-366.5	5.23	kW	-367.7	5.23	kW	-368.9	5.23	kW	-370.1	5.23	kW	-371.3	5.23	kW	-372.5	5.23	kW	-373.7	5.23	kW	-374.9	5.23	kW	-376.1	5.23	kW	-377.3	5.23	kW	-378.5	5.23	kW	-379.7	5.23	kW	-380.9	5.23	kW	-382.1	5.23	kW	-383.3	5.23	kW	-384.5	5.23	kW	-385.7	5.23	kW	-386.9	5.23	kW	-388.1	5.23	kW	-389.3	5.23	kW	-390.5	5.23	kW	-391.7	5.23	kW	-392.9	5.23	kW	-394.1	5.23	kW	-395.3	5.23	kW	-396.5	5.23	kW	-397.7	5.23	kW	-398.9	5.23	kW	-400.1	5.23	kW	-401.3	5.23	kW	-402.5	5.23	kW	-403.7	5.23	kW	-404.9	5.23	kW	-406.1	5.23	kW	-407.3	5.23	kW	-408.5	5.23	kW	-409.7	5.23	kW	-410.9	5.23	kW	-412.1	5.23	kW	-413.3	5.23	kW	-414.5	5.23	kW	-415.7	5.23	kW	-416.9	5.23	kW	-418.1	5.23	kW	-419.3	5.23	kW	-420.5	5.23	kW	-421.7	5.23	kW	-422.9	5.23	kW	-424.1	5.23	kW	-425.3	5.23	kW	-426.5	5.23	kW	-427.7	5.23	kW	-428.9	5.23	kW	-430.1	5.23	kW	-431.3	5.23	kW	-432.5	5.23	kW	-433.7	5.23	kW	-434.9	5.23	kW	-436.1	5.23	kW	-437.3	5.23	kW	-438.5	5.23	kW	-439.7	5.23	kW	-440.9	5.23	kW	-442.1	5.23	kW	-443.3	5.23	kW	-444.5	5.23	kW	-445.7	5.23	kW	-446.9	5.23	kW	-448.1	5.23	kW	-449.3	5.23	kW	-450.5	5.23	kW	-451.7	5.23	kW	-452.9	5.23	kW	-454.1	5.23	kW	-455.3	5.23	kW	-456.5	5.23	kW	-457.7	5.23	kW	-458.9	5.23	kW	-460.1	5.23	kW	-461.3	5.23	kW	-462.5	5.23	kW	-463.7	5.23	kW	-464.9	5.23	kW	-466.1	5.23	kW	-467.3	5.23	kW	-468.5	5.23	kW	-469.7	5.23	kW	-470.9	5.23	kW	-472.1	5.23	kW	-473.3	5.23	kW	-474.5	5.23	kW	-475.7	5.23	kW	-476.9	5.23	kW	-478.1	5.23	kW	-479.3	5.23	kW	-480.5	5.23	kW	-481.7	5.23	kW	-482.9	5.23	kW	-484.1	5.23	kW	-485.3	5.23	kW	-486.5	5.23	kW	-487.7	5.23	kW	-488.9	5.23	kW	-490.1	5.23	kW	-491.3	5.23	kW	-492.5	5.23	kW	-493.7	5.23	kW	-494.9	5.23	kW	-496.1	5.23	kW	-497.3	5.23	kW	-498.5	5.23	kW	-499.7	5.23	kW	-500.9	5.23	kW	-502.1	5.23	kW	-503.3	5.23	kW	-504.5	5.23	kW	-505.7	5.23	kW	-506.9	5.23	kW	-508.1	5.23	kW	-509.3	5.23	kW	-510.5	5.23	kW	-511.7	5.23	kW	-512.9	5.23	kW	-514.1	5.23	kW	-515.3	5.23	kW	-516.5	5.23	kW	-517.7	5.

A7AC14F60P - 7E[C,U]J60CX

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																								
				85° F (29.4° C)					105° F (40.6° C)					115° F (46.1° C)					125° F (51.7° C)									
				Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)			Total Cooling Capacity	Comp. Motor Input	Sensible To Total Ratio (S/T)							
						Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb							
A7AC14F60P	7E[C,U]60CX	63°F (17.2°C)	cfm	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C					
			1500	55.8	3.36	0.87	1	1	53.8	3.77	0.88	1	1	51.8	4.23	0.9	1	1	49.4	4.8	0.93	1	1	47	5.52	0.96	1	1
			1750	58.8	3.37	0.91	1	1	56.8	3.79	0.94	1	1	54.2	4.25	0.95	1	1	51.9	4.82	0.99	1	1	49.2	5.53	1	1	1
			2000	61.4	3.39	0.96	1	1	58.9	3.8	0.98	1	1	56.4	4.27	1	1	1	54.2	4.83	1	1	1	51	5.53	1	1	1
			1500	58.8	3.38	0.7	0.84	0.96	56.4	3.79	0.71	0.85	0.98	53.8	4.25	0.73	0.87	1	51.3	4.81	0.75	0.89	1	47.8	5.53	0.77	0.93	1
			1750	61.1	3.39	0.74	0.88	1	58.7	3.8	0.75	0.9	1	55.5	4.26	0.77	0.92	1	52.6	4.82	0.79	0.95	1	49.5	5.53	0.81	0.98	1
			2000	62.9	3.4	0.77	0.92	1	59.8	3.81	0.79	0.95	1	57.4	4.27	0.81	0.97	1	53.8	4.83	0.82	1	1	51	5.53	0.85	1	1
			1500	62.3	3.4	0.56	0.68	0.8	59.5	3.81	0.57	0.69	0.82	56.8	4.27	0.58	0.71	0.83	54	4.83	0.58	0.73	0.86	50.8	5.53	0.59	0.74	0.89
			1750	64.2	3.4	0.58	0.72	0.85	61.4	3.82	0.59	0.73	0.87	58.6	4.28	0.6	0.75	0.89	55.5	4.83	0.61	0.77	0.92	52.3	5.53	0.63	0.79	0.95
			2000	65.7	3.41	0.6	0.75	0.89	63.3	3.83	0.61	0.76	0.91	60.3	4.3	0.63	0.78	0.94	56.9	4.84	0.64	0.81	0.97	53.6	5.54	0.65	0.83	1
A7AC14F59P	7E[C,U]60CX	67°F (19.4°C)	1500	65.3	3.41	0.43	0.55	0.66	62.9	3.83	0.43	0.56	0.67	59.7	4.29	0.44	0.56	0.68	56.8	4.84	0.44	0.57	0.7	53.5	5.54	0.44	0.58	0.72
			1750	67.5	3.42	0.44	0.57	0.69	64.7	3.84	0.45	0.58	0.71	61.7	4.3	0.46	0.58	0.72	58.7	4.86	0.46	0.6	0.74	55.2	5.55	0.46	0.61	0.77
			2000	69.2	3.42	0.46	0.59	0.73	66.4	3.84	0.45	0.6	0.74	63.3	4.31	0.45	0.61	0.76	60.1	4.86	0.46	0.63	0.78	56.2	5.55	0.47	0.64	0.81
			1500	65.3	3.41	0.43	0.55	0.66	62.9	3.83	0.43	0.56	0.67	59.7	4.29	0.44	0.56	0.68	56.8	4.84	0.44	0.57	0.7	53.5	5.54	0.44	0.58	0.72

REVISIONS

Sections	Description of Change
Specifications	Added Refrigerant Line Set for 30 FT
Cooling Performance Extended Ratings	Added Extended Ratings data for the Cooling Performance



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NOTE - Due to our ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and servicing agency.

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