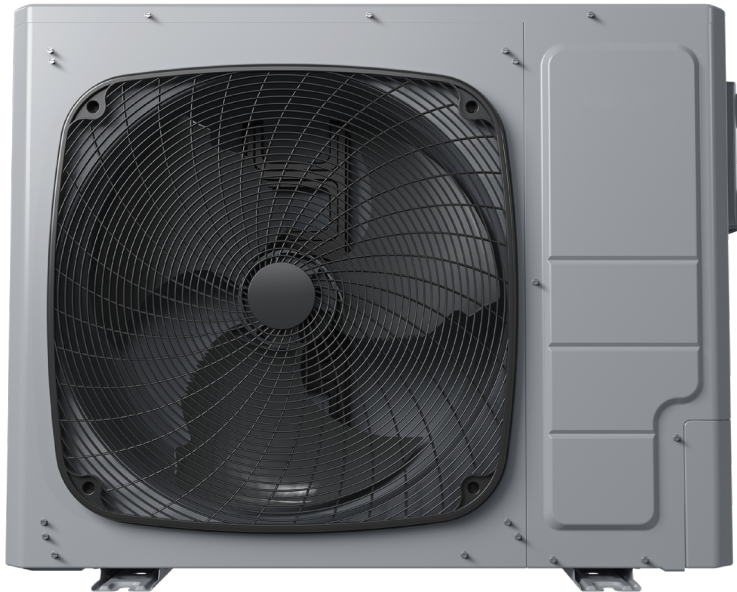
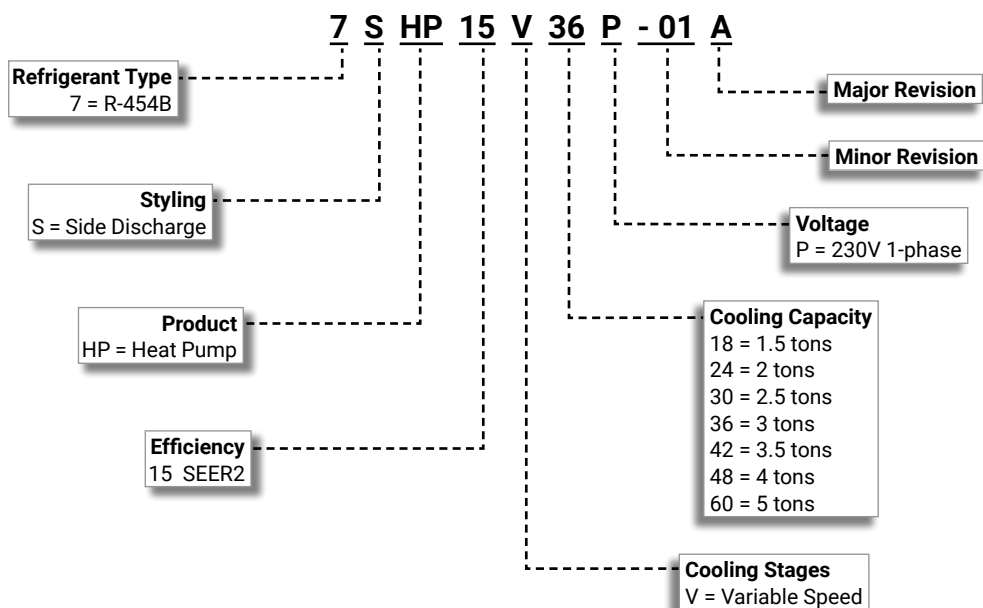


7SHP15V

Variable Capacity | Side Discharge | R-454B | 60Hz

**RESIDENTIAL
PRODUCT SPECIFICATIONS****1.5 to 5 Tons****MODEL NUMBER IDENTIFICATION**

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APPROVALS AND WARRANTY

APPROVALS

- AHRI Certified to AHRI Standard 210/240-2023
- For AHRI Certified system match-ups and expanded ratings, visit 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
- Units and components UL, 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.
- 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 ton
- Sound levels as low as 57 dBA
- Single phase power supply (208/230V)
- Side discharge air
- Units shipped completely factory assembled, internally piped, and wired

NOTE - When heat pumps are used with gas furnaces, a dual-fuel compatible thermostat or a zone control system with dual-fuel capabilities must be used (order separately)

NOTE - Installer must set outdoor unit, connect refrigerant lines and make electrical connections to complete job.

REFRIGERATION SYSTEM

R-454B Refrigerant

- Low GWP (Global Warming Potential)
- Zero ODP (Ozone Depletion Potential)
- Low Toxicity/Lower Flammability - A2L

Outdoor Coil

- Aluminum fins fitted to copper tubes

Outdoor Fan

- Direct drive fan moves large air volumes uniformly through entire outdoor coil for high refrigeration capacity
- Fan guard provided

Refrigerant Line Connections, Service Valve

- Flare connection lines are located on side of unit cabinet
- Fully serviceable brass service valve prevents corrosion and provides access to refrigerant system

FEATURES

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 a mitigation control in the indoor unit
- Ensures safe operation for systems equipped with R-454B refrigerant
- Indoor sensor will detect any R-454B refrigerant
- If R-454B refrigerant is detected, the refrigerant detection system will stop compressor operation and operate the blower to reduce concentrations in the conditioned space
- Once safe levels are reached the HVAC system will resume normal operation
- Refer to indoor unit Product Specifications documents for additional details

COMPRESSOR

Variable Capacity Rotary Compressor

- Compressor features high efficiency operation
- Balanced for reduced vibration and quiet operation
- Brushless DC motor uses powerful Neodymium magnets, which are approximately 15-20 times stronger than ferrite magnets used in conventional AC compressors

Compressor Crankcase Heater

- Protects against liquid refrigerant migration that can occur during low ambient operation

CONTROLS

DC Inverter Control

- Provides continuous operation, while adjusting capacity according to room temperature
- The accurate sensing of cooling loads prevents frequent changes in capacity and ensures efficient, economical operation

Inverter Module Protection

- Protects against differences in current, voltage and temperature
- Displays code on the indoor unit indicating a need for servicing

Outdoor Unit Microprocessor

- Electronic expansion valve control
- Automatic compressor timed-off protection (3 minutes)
- Temperature sensor
- LEDs on control display error codes and assist in troubleshooting
- 4-Way reversing valve control

Electronic Expansion Valve

- Furnished on all models for heating control

Compressor Overcurrent Protection

- Overcurrent protection can result due to any of the following:
 - Ambient temperature is too high
 - Locked rotor on the compressor
 - Outdoor air is blocked or restricted

Condenser High Temperature Protection

- Condenser high temperature can occur due to any of the following conditions:
 - High outdoor ambient
 - Outdoor fan blocked
 - Outdoor coil blocked
- The outdoor coil thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency if needed to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high the compressor will be de-energized

Compressor Discharge Temperature Protection

- The compressor discharge line thermistor continuously monitors the temperature and communicates with the microprocessor
- Depending on the temperature measured, the compressor will be allowed to increase the frequency to meet the load or is forced to run at the current or reduced frequency
- If the temperature becomes excessively high, the compressor will be de-energized

Voltage Protection

- Protects unit from low or high voltage fluctuations

Terminal Strip

- Furnished for easy wiring connections

Defrost Control

- Defrost cycle is automatically enabled if there is a build-up of frost on the outdoor coil
- Outdoor fan operation is terminated during the defrost cycle
- Defrost LED is lit on the indoor unit panel on the front cover during a defrost cycle

Reversing Valve

- 4-way interchange reversing valve effects a rapid change in direction of refrigerant flow resulting in quick changeover from cooling to heating and vice versa
- Valve operates on pressure differential between outdoor unit and indoor unit of the system

FEATURES

CABINET

- Constructed of heavy gauge steel
- Tabs on unit base allow secure mounting to slab
- Condensate drain outlets furnished on unit base

NOTE - Drain must be field furnished.

- Access cover for power and control wiring connections
- Access cover for service valves
- Rubber dampening pads (4)

Optional Accessories

Wind Baffle

- Front wind baffle increases unit reliability and performance in extremely cold temperature
- Protects the coil from high winds to prevent damage
- Required for low ambient cooling performance for mechanical or server room applications
- Recommended when unit is installed facing prevailing winds
- Heavy gauge galvanized steel
- Easy to install

Snow Hoods

- Side and back hoods
- Increases unit reliability and performance in extremely cold temperature
- Helps keep snow and ice from blocking the outdoor coil to prevent damage
- Protects coil from high winds
- Reduces defrost cycles and helps maintain a comfortable indoor temperature
- Heavy gauge galvanized steel
- Easy to install
- Recommended for cold climate heating and cooling applications

OPTIONAL ACCESSORIES - ORDER SEPARATELY

Description	Order Number	018	024	030	Size 036	042	048	060
Wind Baffle	32F58	•	•					
	31T26			•	•			
	31T71					•	•	•
Snow Hoods	32F59	•	•					
	31T74			•	•			
	31T84					•	•	•

EXPANDED SOUND DATA

¹ Size	¹ Estimated Sound Pressure Level at Distance From Unit (dBA at distance in ft.)				
	3	5	10	15	50
018 Min.	51	46	40	37	26
018 Max.	63	58	52	49	38
024 Min.	51	46	40	37	26
024 Max.	64	59	53	50	39
030 Min.	50	45	39	36	25
030 Max.	66	61	55	52	41
036 Min.	50	45	39	36	25
036 Max.	67	62	56	53	42
042 Min.	50	45	39	36	25
042 Max.	68	63	57	54	43
048 Min.	50	45	39	36	25
048 Max.	69	64	58	55	44
060 Min.	55	50	44	41	30
060 Max.	70	65	59	56	45

¹ Estimated sound pressure level at distance based on AHRI Standard 275-2010 method for equipment located on the ground, roof, or on side of building wall with no adjacent reflective surface within 9.8 feet. Sound pressure levels will increase based on changes to assumptions. For other applications, refer to AHRI Standard 275.

SPECIFICATIONS

Size		018	024	030	036
Nominal Size - Tons		1.5	2	2.5	3
Ambient Temperature Range - °F	Cooling	40°F - 125°F	40°F - 125°F	40°F - 125°F	40°F - 125°F
	Heating	0°F - 75°F	0°F - 75°F	0°F - 75°F	0°F - 75°F
Sound Data (low)	dBA	58	58	57	57
Refrigerant (15 ft. Line Set)	¹ Charge furnished (R-454B)	3 lbs, 4 oz.	3 lbs. 12 oz.	4 lbs, 8 oz.	4 lbs, 8 oz.
	Maximum line length with furnished charge - ft.	15	15	15	15
	Additional charge required per ft. - oz.	0.6	0.6	0.6	0.6
	Maximum line length - ft.	150	150	150	150
	Maximum height difference between indoor and outdoor unit - ft.	50	50	50	50
Compressor	Number and Type	(1) Variable Twin Rotary	(1) Variable Twin Rotary	(1) Variable Twin Rotary	(1) Variable Twin Rotary
	Refrigerant oil type	POE	POE	POE	POE
	Refrigerant oil charge - oz.	30.4	30.4	30.4	30.4
Connections	Liquid OD (flare) - in.	3/8	3/8	3/8	3/8
	² Suction OD (flare) - in.	5/8	5/8	5/8	5/8
	Refrigerant line size - Liquid - in.	3/8 - same size as unit connection			
	² Refrigerant line size - Suction - in.	3/4	3/4	3/4	3/4
Outdoor Coil	Net face area - ft. ² Outer coil	6.43	6.43	7.22	9.64
	Inner coil - in. ³ Inner coil	93	93	182	182
	Tube diameter - mm	1/4	1/4	1/4	1/4
	Rows	1.5	1.5	2	2
	Fins - in.	18	18	18	18
	Fin type	Hydrophilic aluminum			
	Tube type	Seamless Copper Tube			
	HP	0.12	0.12	0.21	0.21
Outdoor Fan(s)	(Number) Diameter - in.	21-5/8	21-5/8	22-1/2	22-1/2
	Blades	3	3	3	3
	Total air volume - cfm	1990	1990	2530	2530
	Rpm	680	680	720	720
	Watts	90	90	160	160
Shipping/Net Data - lbs.		145/112	145/112	175/138	175/138

ELECTRICAL DATA

Line voltage data (Volts-Phase-Hz)		208/230-1-60	208/230-1-60	208/230-1-60	208/230-1-60
³ Maximum Overcurrent Protection (MOCP) amps		20	20	30	30
⁴ Minimum circuit ampacity (MCA)		18	18	20	20
Compressor	Rated Load Amps	13.0	13.0	14.5	14.5
Fan Motor	Rated load amps	1.0	1.0	1.2	1.2

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

¹ Refrigerant charge sufficient for 15 ft. line set length. For longer line set requirements see the Installation Instructions or unit Charging Label for information about line set length and additional refrigerant charge required.

² Line set sizes for Suction Line (unit to line set):

018 - 5/8 to 3/4 in.

024 - 5/8 to 3/4 in.

030 - 5/8 to 3/4 in.

036 - 5/8 to 7/8 in.

³ HACR type circuit breaker or fuse.

⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

SPECIFICATIONS

Size		042	048	060
Nominal Size - Tons		3.5	4	5
Ambient Temperature Range - °F	Cooling	40°F - 125°F	40°F - 125°F	40°F - 125°F
	Heating	0°F - 75°F	0°F - 75°F	0°F - 75°F
Sound Data (low)	dBA	57	57	62
Refrigerant (15 ft. Line Set)	¹ Charge furnished (R-454B)	6 lbs. 11 oz.	7 lbs. 6 oz.	8 lbs. 1 oz.
	Maximum line length with furnished charge - ft.	15	15	15
	Additional charge required per ft. - oz.	0.6	0.6	0.6
	Maximum line length - ft.	100	100	100
	Maximum height difference between indoor and outdoor unit - ft.	50	50	50
Compressor	Number and Type	(1) Variable Twin Rotary	(1) Variable Twin Rotary	(1) Variable Twin Rotary
	Refrigerant oil type	POE	POE	POE
	Refrigerant oil charge - oz.	29.4	29.4	47.3
Connections	Liquid OD (flare) - in.	3/8	3/8	3/8
	² Suction OD (flare) - in.	3/4	3/4	3/4
	Refrigerant line size - Liquid - in.	3/8 - same size as unit connection		
	² Refrigerant line size - Suction - in.	7/8	7/8	7/8
Outdoor Coil	Net face area - ft. ² Outer coil	9.64	9.64	9.64
	Inner coil - in. ³ Inner coil	238	238	271
	Tube diameter - mm	1/4	1/4	1/4
	Rows	2	2	3
	Fins - in.	18	18	18
	Fin type	Hydrophilic aluminum		
	Tube type	Seamless Copper Tube		
Outdoor Fan(s)	HP	0.27	0.27	0.27
	(Number) Diameter - in.	25-1/4	25-1/4	25-1/4
	Blades	3	3	3
	Total air volume - cfm	3590	3590	3650
	Rpm	700	700	720
	Watts	200	200	200
Shipping/Net Data - lbs.		223/178	224/179	255/211

ELECTRICAL DATA

	Line voltage data (Volts-Phase-Hz)	208/230-1-60	208/230-1-60	208/230-1-60
	³ Maximum Overcurrent Protection (MOCP) amps	35	35	40
	⁴ Minimum circuit ampacity (MCA)	26	26	32
Compressor	Rated Load Amps	19.0	19.0	24.0
Fan Motor	Rated load amps	1.5	1.5	1.5

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

¹ Refrigerant charge sufficient for 15 ft. line set length. For longer line set requirements see the Installation Instructions or unit Charging Label for information about line set length and additional refrigerant charge required.

² Line set sizes for Suction Line (unit to line set):

042 - 3/4 to 7/8 in.

048 - 3/4 to 7/8 in.

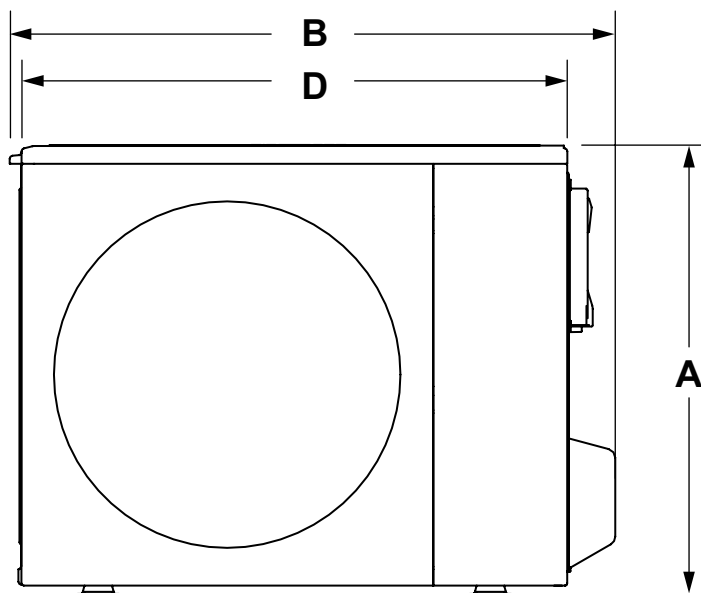
060 - 3/4 to 7/8 in.

³ HACR type circuit breaker or fuse.

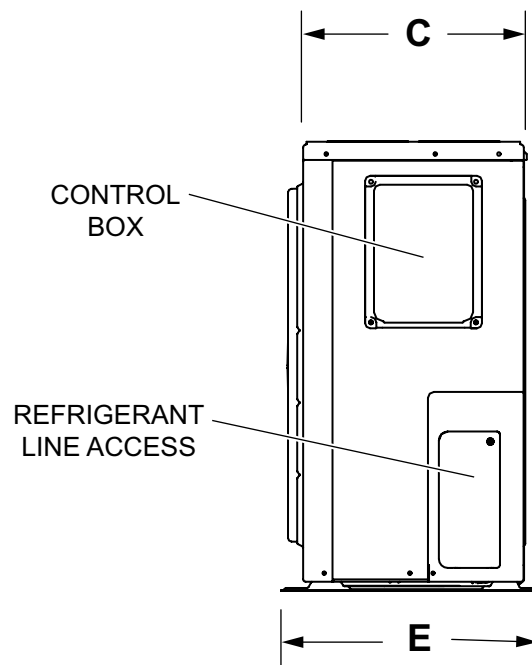
⁴ Refer to National or Canadian Electrical Code manual to determine wire, fuse and disconnect size requirements.

DIMENSIONS

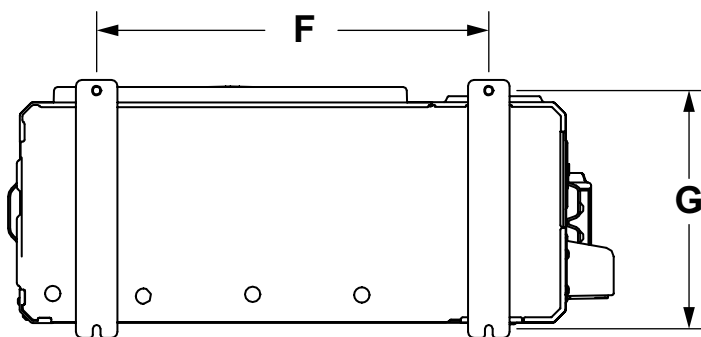
7SHP15V - 018, 024, 030, 036



FRONT VIEW



SIDE VIEW

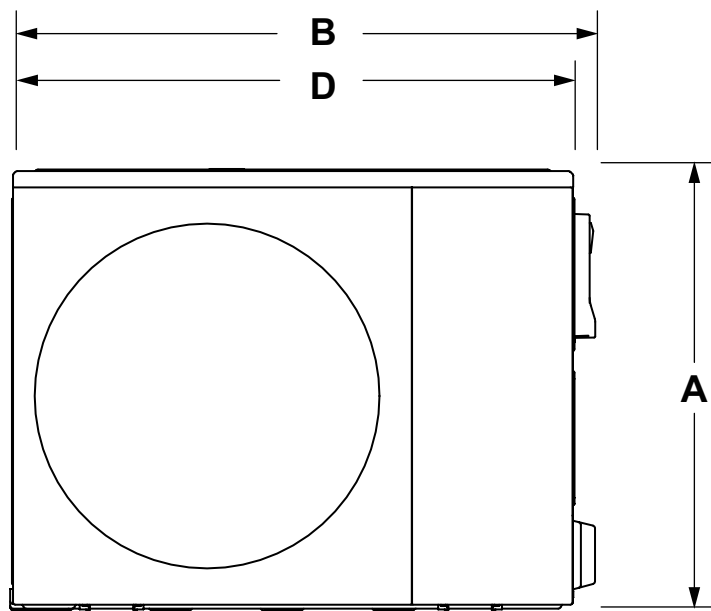


BOTTOM VIEW

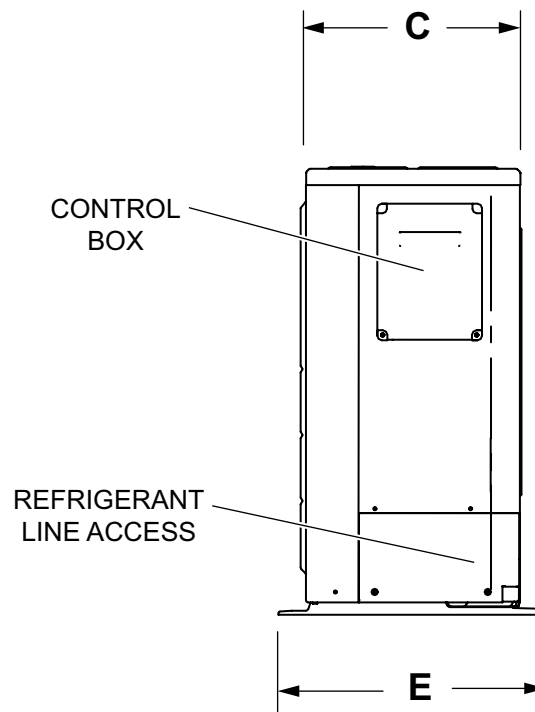
Model	A (Height)		B (Width)		C (Depth)		D		E		F		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
018-024	27-1/2	699	39	990	13-3/8	340	35	889	16-1/8	410	24-7/8	630	14-1/2	370
030-036	30-1/8	770	40-1/8	1019	14-5/8	370	36-1/4	920	17-1/8	440	26	660	15-3/4	400

DIMENSIONS

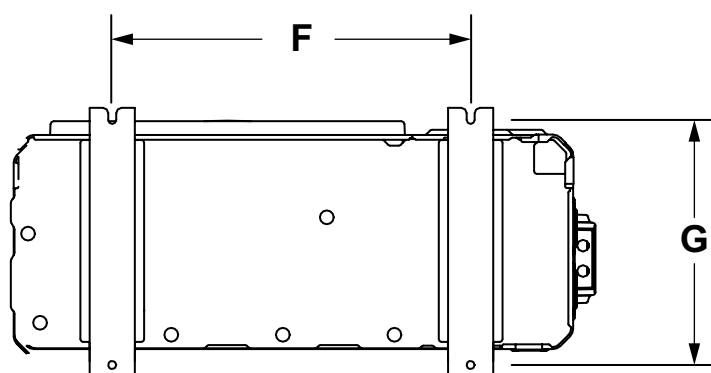
7SHP15V - 042, 048, 060



FRONT VIEW

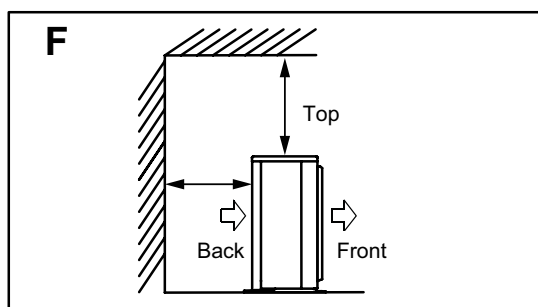
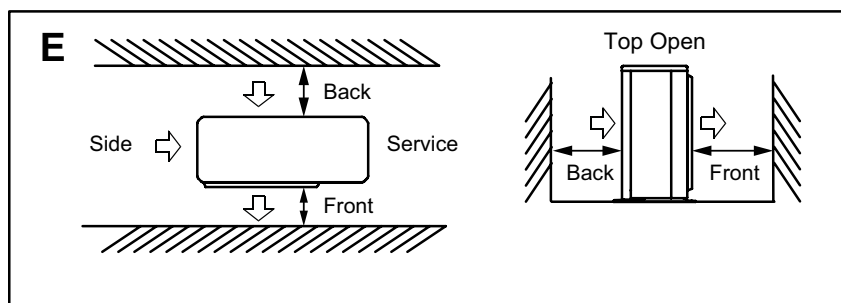
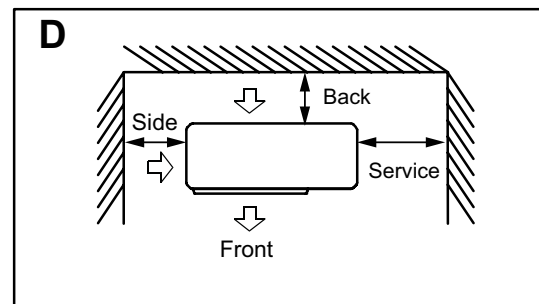
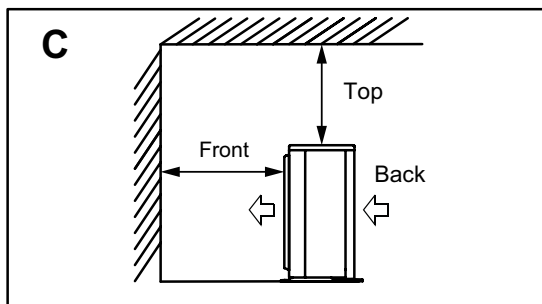
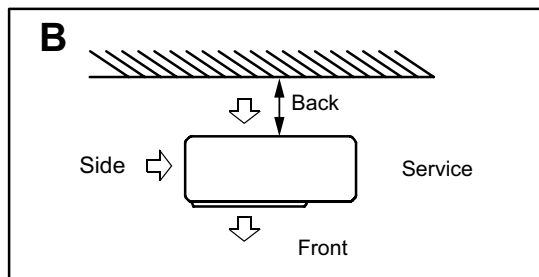
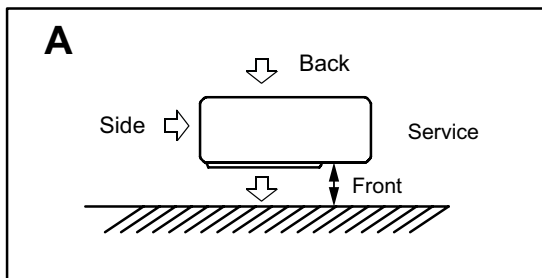


SIDE VIEW



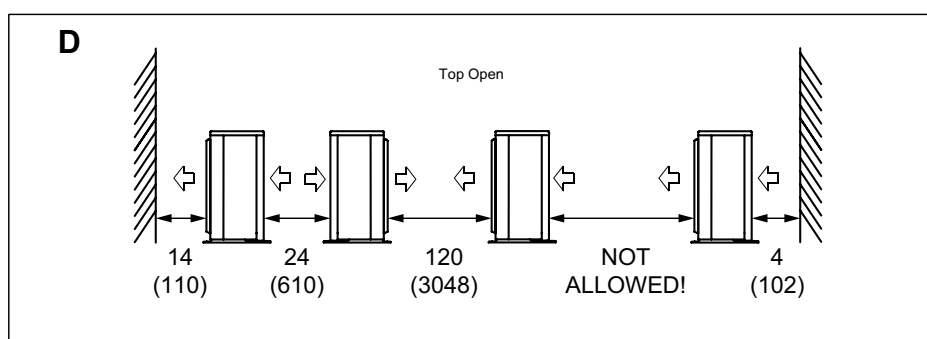
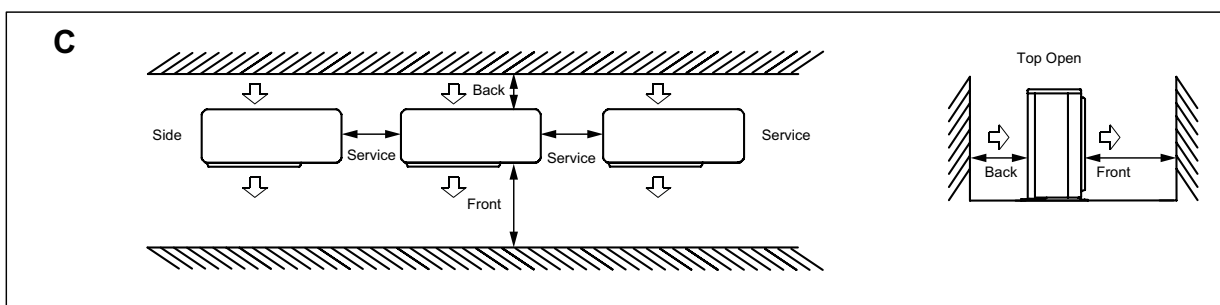
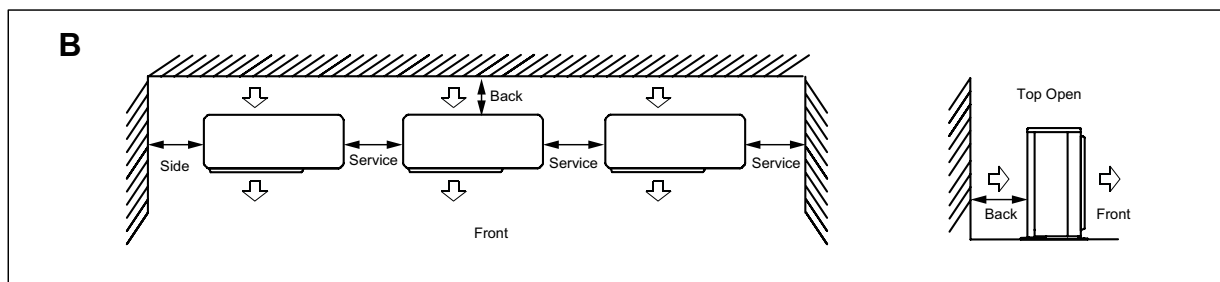
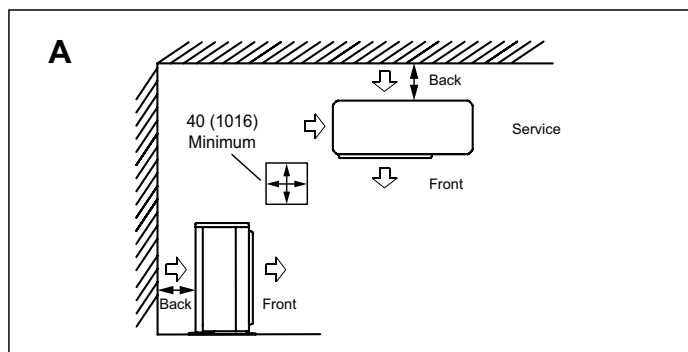
BOTTOM VIEW

Model	A (Height)		B (Width)		C (Depth)		D		E		F		G	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
042-048-060	33	838	43-1/8	1100	15-3/4	400	41-3/8	1050	19-7/8	510	26-1/2	673	18-1/8	460



Location	A		B		C		D		E		F	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Service	30	770	30	770	30	770	30	770	30	770	30	770
Front	14	360	Open		14	360	Open		40	1020	Open	
Back	Open		4	110	Open		4	110	4	110	4	110
Side	Open		Open		Open		12	310	Open		Open	
Top	Open		Open		40	1020	20	510	Open		20	510

NOTE: At least one side should be unobstructed by a wall or other barrier. Barriers on at least one side of the front and back shall be lower than the outdoor unit.



Location	A		B		C		D	
	in.	mm	in.	mm	in.	mm	in.	mm
Service	30	770	30	770	30	770	30	770
Front	Open		Open		14	360	As Shown	
Back	4	110	8	200	8	200	As Shown	
Side	As Shown		12	310	Open		12	310
Top	Open		Open		Open		Open	

NOTE: At least one side should be unobstructed by a wall or other barrier. Barriers on at least one side of the front and back shall be lower than the outdoor unit.

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
042	26Z71
048	26Z71
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	26Z72	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 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

7SH15V18P + 7AH1AV18PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
				75° F (23.9° C)					85° F (29.4° C)					95° F (35° C)					105° F (40.6° 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	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C
7SH15V18P	7AH1AV18PX	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	
				7.2	0.26	0.86	1	1	7	0.32	0.89	1	1	7.3	0.42	0.85	1	1	7	0.48	0.9	1	1
				7.6	0.27	1	1	7.4	0.33	1	1	7.7	0.43	1	1	7.3	0.5	1	1	1	1	1	1
		506	7.8	0.28	1	1	7.5	0.34	1	1	7.9	0.45	1	1	7.4	0.51	1	1	1	1	1	1	
		338	7.8	0.27	0.73	0.86	0.98	7.5	0.32	0.76	0.89	1	7.8	0.42	0.73	0.86	0.98	7.8	0.52	0.73	0.86	0.98	
		425	8.2	0.27	0.97	1	1	7.9	0.33	1	1	8.2	0.44	0.97	1	1	8.2	0.54	0.97	1	1	1	
		506	8.4	0.28	1	1	8.1	0.34	1	1	8.4	0.45	1	1	8.4	0.55	1	1	1	1	1	1	
		338	9.1	0.3	0.61	0.71	0.94	8.7	0.37	0.63	0.74	0.98	9	0.49	0.61	0.72	0.95	8.9	0.59	0.62	0.73	0.96	
		425	9.5	0.31	0.79	0.94	1	9.1	0.38	0.83	0.98	1	9.4	0.5	0.8	0.95	1	9.3	0.61	0.81	0.96	1	
		506	9.7	0.32	1	1	1	9.3	0.39	1	1	9.6	0.52	1	1	1	9.5	0.63	1	1	1	1	
7SH15V18P	7AH1AV18PX	67°F (19.4°C)	338	11.1	0.39	0.59	0.63	0.77	10.7	0.47	0.61	0.65	0.79	9.9	0.52	0.65	0.7	0.85	9.8	0.59	0.66	0.71	0.86
			425	11.6	0.41	0.78	0.85	0.98	11.2	0.49	0.81	0.88	1	10.4	0.54	0.87	0.95	1	10.3	0.61	0.88	0.96	1
			506	11.8	0.42	0.98	1	1	11.4	0.5	1	1	10.6	0.56	1	1	1	10.5	0.63	1	1	1	1
7SH15V18P	7AH1AV18PX	71°F (21.7°C)	338	11.1	0.39	0.59	0.63	0.77	10.7	0.47	0.61	0.65	0.79	9.9	0.52	0.65	0.7	0.85	9.8	0.59	0.66	0.71	0.86
			425	11.6	0.41	0.78	0.85	0.98	11.2	0.49	0.81	0.88	1	10.4	0.54	0.87	0.95	1	10.3	0.61	0.88	0.96	1
			506	11.8	0.42	0.98	1	1	11.4	0.5	1	1	10.6	0.56	1	1	1	10.5	0.63	1	1	1	1

7SH15V18P + 7AH1AV18PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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)					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)									
						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	Comp. Motor Input	Total Cooling Capacity	Comp. Motor Input	Total Cooling Capacity			
7SH15V18P	7AH1AV18PX	59°F (15°C)	cfm	8.9	0.45	0.76	0.89	0.92	9.1	0.58	0.74	0.87	0.9	9.2	0.89	0.72	0.84	0.87	9.2	1.07	0.72	0.83	0.86		
			425	9.3	0.46	0.88	0.92	0.96	9.5	0.6	0.86	0.9	0.94	9.6	0.75	0.85	0.88	0.92	9.7	1.11	0.84	0.86	0.9		
			506	9.5	0.48	0.92	0.99	1	9.7	0.61	0.9	0.97	0.98	9.8	0.77	0.89	0.95	0.96	9.9	1.14	0.88	0.93	0.94		
		338	11.2	0.61	0.64	0.76	0.86	11.1	0.74	0.65	0.77	0.87	10.9	0.88	0.66	0.78	0.89	0.7	0.79	0.91	9.8	1.1	0.73	0.83	0.96
		425	11.8	0.63	0.72	0.85	0.96	11.6	0.77	0.73	0.86	0.98	11.4	0.91	0.74	0.87	1	0.78	0.89	1	10.3	1.14	0.82	0.94	1
		506	12	0.65	0.76	0.96	0.99	11.8	0.79	0.77	0.98	1	11.6	0.94	0.78	1	1	0.82	1	1	10.5	1.17	0.86	1	1
		338	12.2	0.65	0.53	0.62	0.83	11.7	0.76	0.55	0.65	0.86	11.5	0.9	0.56	0.68	0.89	0.59	0.69	0.9	10.4	1.13	0.62	0.73	0.95
		425	12.8	0.67	0.59	0.7	0.89	12.3	0.78	0.61	0.73	0.93	12.1	0.93	0.62	0.76	0.97	0.65	0.77	0.99	10.9	1.16	0.69	0.81	1
		506	13.1	0.7	0.65	0.74	0.92	12.5	0.8	0.68	0.77	0.96	12.3	0.96	0.69	0.8	1	0.73	0.81	1	11.1	1.2	0.77	0.85	1
		338	12.9	0.66	0.51	0.55	0.67	12.4	0.77	0.53	0.57	0.7	12.2	0.92	0.54	0.59	0.73	0.57	0.6	0.74	11.1	1.15	0.6	0.63	0.78
425	13.5	0.69	0.58	0.63	0.73	13	0.8	0.6	0.65	0.76	12.8	0.95	0.61	0.68	0.79	0.64	0.69	0.8	11.6	1.19	0.67	0.72	0.84		
506	13.8	0.71	0.61	0.71	0.79	13.3	0.82	0.63	0.74	0.82	13.1	0.98	0.64	0.77	0.85	0.67	0.78	0.86	11.8	1.23	0.7	0.82	0.9		

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V18P + 7AH1AV18PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

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			
7SHP15V18P	7AH1AV18PX	59°F (15°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					
				16.6	119	0.54	0.58	0.63	15.7	1.36	0.57	0.61	0.66	15.3	1.62	0.59	0.63	0.68	14.5	1.81	0.62	0.67	0.55
				17.4	123	0.69	0.72	0.77	16.5	1.41	0.73	0.76	0.81	16.1	1.68	0.75	0.78	0.84	15.2	1.87	0.79	0.83	0.68
		63°F (17.2°C)	675	17.7	127	0.85	0.97	1	16.8	1.45	0.9	1	1	16.4	1.73	0.92	1	1	15.5	1.92	0.97	1	0.92
				17.6	121	0.46	0.54	0.62	16.7	1.39	0.48	0.57	0.69	16.4	1.66	0.49	0.58	0.85	15.3	1.85	0.52	0.62	0.54
				18.5	126	0.62	0.75	0.86	17.5	1.44	0.65	0.8	0.91	17.2	1.72	0.66	0.81	0.93	16.1	1.91	0.71	0.87	0.75
		67°F (19.4°C)	450	18.9	129	0.77	1	1	17.9	1.48	0.81	1	1	17.5	1.77	0.82	1	1	16.4	1.97	0.88	1	0.92
				18.7	124	0.45	0.54	0.63	17.7	1.42	0.47	0.57	0.66	17.3	1.7	0.48	0.58	0.68	16.3	1.9	0.51	0.62	0.55
				19.6	128	0.59	0.73	0.86	18.6	1.47	0.62	0.77	0.9	18.2	1.76	0.63	0.78	0.92	17.1	1.96	0.67	0.83	0.75
		71°F (21.7°C)	675	20	132	0.71	0.91	1	19	1.52	0.75	0.96	1	18.6	1.82	0.77	0.98	1	17.4	2.02	0.82	1	0.93
				19.7	127	0.4	0.43	0.54	18.8	1.46	0.42	0.46	0.57	18.4	1.75	0.43	0.46	0.58	17.2	1.95	0.46	0.5	0.47
				20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66
		75°F (23.9°C)	450	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86
20.7	131			0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
20.7	131			0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
79°F (26.1°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
83°F (28.3°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
87°F (30.6°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
91°F (33.3°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
95°F (35.0°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
99°F (37.2°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
103°F (39.4°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
107°F (41.7°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
111°F (44.4°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
115°F (46.1°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
119°F (48.9°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
123°F (50.6°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
127°F (53.3°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
131°F (55.6°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
135°F (57.8°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
139°F (60.0°C)	675	211	135	0.67	0.78	0.99	201	1.55	0.71	0.82	1	19.7	1.86	0.72	0.83	1	18.5	2.07	0.77	0.89	0.86		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
		20.7	131	0.51	0.58	0.76	19.7	1.51	0.54	0.61	0.8	19.3	1.81	0.55	0.62	0.81	18.1	2.01	0.58	0.66	0.66		
143°F (61.7°C)	675	211	135	0.67	0.78	0.99	201	1.															

7SH15V24P + 7AH1AV24PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil																	
			75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° 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			
			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			
7SH15V24P	7AH1AV24PX	59°F (15°C)	cfm																	
			450	8.9	0.28	0.86	1	1	1	8.6	0.33	0.89	1	1	8.9	0.45	0.86	1	1	1
			570	9.3	0.29	1	1	1	1	9	0.35	1	1	1	9.3	0.46	1	1	1	1
			675	9.5	0.3	1	1	1	1	9.2	0.36	1	1	1	9.5	0.47	1	1	1	1
			450	9.3	0.28	0.73	0.86	0.98	9	0.34	0.76	0.9	1	1	9.3	0.45	0.73	0.86	0.98	0.95
7SH15V24P	7AH1AV24PX	63°F (17.2°C)	570	9.8	0.29	0.97	1	1	1	9.4	0.35	1	1	1	9.8	0.47	0.97	1	1	1
			675	10	0.3	1	1	1	1	9.6	0.36	1	1	1	10	0.48	1	1	1	1
			450	11	0.32	0.61	0.71	0.94	10.5	0.39	0.64	0.74	0.98	10.9	0.52	0.61	0.72	0.95	0.85	
			570	11.5	0.33	0.79	0.94	1	11	0.4	0.83	0.98	1	11.4	0.54	0.8	0.95	1	1	
			675	11.7	0.34	1	1	1	11.2	0.41	1	1	1	11.6	0.55	1	1	1	1	
7SH15V24P	7AH1AV24PX	71°F (21.7°C)	450	13.5	0.42	0.59	0.63	0.77	12.9	0.51	0.61	0.66	0.8	13.2	0.66	0.6	0.64	0.78	0.6	0.73
			570	14.1	0.44	0.78	0.85	0.98	13.5	0.52	0.82	0.89	1	13.8	0.69	0.8	0.87	1	0.82	0.94
			675	14.4	0.45	0.98	1	1	13.8	0.54	1	1	1	14.1	0.71	1	1	1	1	1

7SH15V24P + 7AH1AV24PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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								
			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				
7SH15V24P	7AH1AV24PX	59°F (15°C)	cfm																							
			450	12.2	0.6	0.76	0.89	0.92	12.4	0.76	0.75	0.88	0.91	12.4	0.95	0.75	0.87	0.9	11.2	1.18	0.83	0.87	0.9			
			570	12.8	0.62	0.88	0.92	0.96	13	0.79	0.87	0.91	0.95	13	0.98	0.87	0.9	0.94	11.7	1.22	0.97	0.9	0.94			
			675	13.1	0.64	0.92	0.99	1	13.3	0.81	0.91	0.97	0.98	13.3	1.01	0.91	0.96	0.96	11.9	1.25	1	0.96	0.96			
			450	14.2	0.74	0.64	0.76	0.86	14.9	1.01	0.61	0.73	0.82	15.2	1.27	0.6	0.7	0.78	13.3	1.2	0.78	0.79	0.88			
7SH15V24P	7AH1AV24PX	63°F (17.2°C)	570	14.9	0.76	0.72	0.85	0.96	15.6	1.04	0.69	0.81	0.92	15.9	1.31	0.68	0.77	0.88	13.9	1.26	0.78	0.76	0.86	0.87	0.98	
			675	15.2	0.79	0.76	0.96	0.99	15.9	1.07	0.73	0.92	0.95	16.2	1.35	0.72	0.88	0.91	14.2	1.3	0.82	0.86	0.89	0.98	1	
			450	17.5	1.02	0.53	0.62	0.83	16.8	1.16	0.55	0.64	0.86	16	1.3	0.58	0.67	0.89	14.1	1.25	0.66	0.7	0.93	0.79	1	
			570	18.3	1.05	0.59	0.7	0.89	17.6	1.2	0.61	0.73	0.93	16.8	1.34	0.64	0.76	0.97	14.8	1.29	0.73	0.8	1	0.91	1	
			675	18.7	1.08	0.65	0.74	0.92	18	1.23	0.68	0.77	0.96	17.1	1.39	0.71	0.8	1	15.1	1.33	0.81	0.84	1	0.92	0.95	1
7SH15V24P	7AH1AV24PX	71°F (21.7°C)	450	18.5	1.04	0.51	0.55	0.67	17.7	1.19	0.53	0.57	0.7	17	1.34	0.55	0.59	0.73	15	1.29	0.62	0.62	0.76	0.7	0.7	0.86
			570	19.4	1.08	0.58	0.63	0.73	18.6	1.23	0.6	0.66	0.76	17.8	1.38	0.63	0.69	0.79	15.7	1.33	0.71	0.72	0.83	0.8	0.82	0.94
			675	19.8	1.11	0.61	0.71	0.79	19	1.27	0.64	0.74	0.82	18.2	1.42	0.67	0.77	0.86	16	1.37	0.76	0.8	0.9	0.86	0.91	1

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V24P + 7AH1AV24PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

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							
			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		
7SHP15V24P	7AH1AV24PX	59°F (15°C)	600	216	1.8	0.6	0.64	0.69	20.4	2.06	0.63	0.68	0.73	19.4	2.31	0.67	0.72	0.77	16.9	2.28	0.76	0.82	0.85	0.96	1
			780	226	1.86	0.79	0.83	0.88	21.4	2.12	0.83	0.88	0.93	20.3	2.39	0.88	0.92	0.99	17.7	2.35	1	1	0.69	1	1
			900	231	1.92	0.96	1	1	21.8	2.19	1	1	1	20.7	2.46	1	1	1	18.1	2.43	1	1	0.93	1	1
		600	225	1.83	0.5	0.6	0.68	21.4	2.09	0.53	0.63	0.76	20.2	2.35	0.56	0.66	0.94	17.6	2.32	0.64	0.76	0.53	0.75	0.89	1
		780	236	1.89	0.71	0.86	0.99	22.4	2.16	0.74	0.91	1	21.2	2.43	0.79	0.96	1	18.5	2.4	0.9	1	0.77	1	1	1
		900	241	1.95	0.86	1	1	22.8	2.22	0.91	1	1	21.6	2.5	0.96	1	1	18.9	2.47	1	1	0.93	1	1	1
		600	239	1.87	0.5	0.6	0.7	22.7	2.14	0.52	0.63	0.73	21.5	2.41	0.55	0.66	0.77	18.8	2.38	0.63	0.76	0.55	0.73	0.88	1
		780	25	1.93	0.67	0.83	0.98	23.8	2.21	0.71	0.87	1	22.5	2.49	0.75	0.92	1	19.7	2.45	0.86	1	0.77	1	1	1
		900	25.5	1.99	0.8	1	1	24.3	2.28	0.84	1	1	23	2.56	0.89	1	1	20.1	2.53	1	1	0.95	1	1	1
		600	25.3	1.91	0.44	0.48	0.6	24	2.19	0.46	0.5	0.63	22.8	2.47	0.49	0.53	0.66	19.9	2.43	0.56	0.61	0.47	0.65	0.7	0.88
780	26.5	1.98	0.58	0.66	0.87	25.2	2.26	0.61	0.7	0.91	23.9	2.55	0.65	0.74	0.96	20.9	2.51	0.74	0.84	0.69	0.86	0.98	1		
900	27	2.03	0.76	0.87	1	25.7	2.33	0.79	0.92	1	24.4	2.63	0.84	0.97	1	21.3	2.59	0.96	1	0.88	1	1	1		

7SH15V30P + 7AH1AV30PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Outdoor Air Temperature Entering Outdoor Coil																							
		75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° C)					
		Total Air Volume	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	Dry Bulb			Dry Bulb	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				
75HP15V30P	7AH1AV30PX	cfm																							
		563	13.8	0.46	0.98	1	1	1	13.3	0.55	1	1	1	12.7	0.65	1	1	1	12.1	0.74	1	1	1		
		660	14.3	0.47	1	1	1	1	13.8	0.56	1	1	1	13.2	0.66	1	1	1	12.5	0.76	1	1	1		
		844	14.6	0.48	1	1	1	1	14.1	0.58	1	1	1	13.5	0.68	1	1	1	12.8	0.78	1	1	1		
		563	14.5	0.46	0.83	0.97	1	1	14.8	0.61	0.81	0.96	1	14.9	0.79	0.81	0.95	1	15	0.98	0.8	0.94	1		
		660	15.1	0.47	0.97	1	1	1	15.4	0.63	0.95	1	1	15.5	0.8	0.95	1	1	15.6	1	0.94	1	1		
		844	15.4	0.48	1	1	1	1	15.7	0.65	1	1	1	15.8	0.83	1	1	1	15.9	1.03	1	1	1		
		563	15.6	0.46	0.69	0.8	1	1	16.6	0.68	0.65	0.75	1	16.7	0.87	0.64	0.75	0.99	16.8	1.08	0.64	0.75	0.98		
		660	16.2	0.47	0.79	0.94	1	1	17.2	0.7	0.74	0.88	1	17.3	0.89	0.74	0.87	1	17.4	1.11	0.73	0.87	1		
		844	16.5	0.49	1	1	1	1	17.6	0.72	0.98	1	1	17.7	0.92	0.98	1	1	17.8	1.14	0.97	1	1		
75HP15V30P	7AH1AV30PX	563	16.6	0.46	0.66	0.71	0.87	18.6	0.76	0.59	0.64	0.77	18.7	0.97	0.59	0.63	0.77	18.6	1.08	0.59	0.64	0.77			
		660	17.2	0.48	0.78	0.85	0.98	19.3	0.78	0.7	0.76	0.87	19.4	0.99	0.7	0.76	0.87	19.3	1.11	0.7	0.76	0.87			
		844	17.6	0.49	1	1	1	1	19.7	0.8	0.97	1	1	19.8	1.02	0.96	1	1	19.7	1.14	0.97	1	1		

7SH15V30P + 7AH1AV30PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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)		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			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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
																																									75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C	75°F 23.9°C	80°F 26.7°C

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V30P + 7AH1AV30PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil										115° F (46.1° C)					125° F (51.7° C)									
				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				
			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					
7SHP15V30P	7AH1AV30PX	59°F (15°C)	750	25.9	1.72	0.59	0.63	0.68	25.6	2.1	0.6	0.64	0.69	23.6	2.28	0.65	0.69	0.74	0.58	16.3	1.95	0.93	1	1				
			920	26.9	1.76	0.71	0.75	0.79	26.6	2.15	0.72	0.75	0.8	24.5	2.33	0.78	0.82	0.87	0.68	17	1.99	1	1	1				
			1125	27.4	1.81	0.84	0.96	1	27.1	2.22	0.85	0.97	1	25	2.4	0.92	1	1	0.89	17.3	2.05	1	1	1				
		750	27.1	1.74	0.5	0.59	0.67	26.7	2.13	0.5	0.59	0.75	24.7	2.31	0.54	0.64	0.92	0.58	0.58	17.2	1.98	0.78	0.92	1				
		920	28.1	1.78	0.63	0.78	0.89	27.7	2.18	0.64	0.79	0.9	25.7	2.37	0.69	0.85	0.97	0.74	0.9	17.8	2.02	1	1	1				
		1125	28.7	1.83	0.76	1	1	28.3	2.25	0.77	1	1	26.2	2.44	0.83	1	1	0.88	1	18.2	2.08	1	1	1				
		750	28.7	1.77	0.49	0.59	0.69	28.3	2.18	0.49	0.59	0.69	26.2	2.36	0.53	0.64	0.75	0.68	0.59	18.3	2.02	0.76	0.92	1				
		920	29.8	1.81	0.61	0.71	0.88	29.4	2.23	0.61	0.72	0.89	27.2	2.42	0.66	0.78	0.96	0.82	0.76	19	2.07	0.95	1	1				
		1125	30.4	1.87	0.7	0.9	1	30	2.3	0.71	0.91	1	27.8	2.49	0.77	0.98	1	0.82	1	19.4	2.13	1	1	1				
		750	30.4	1.8	0.43	0.47	0.59	30	2.22	0.44	0.48	0.6	27.7	2.41	0.48	0.52	0.64	0.5	0.55	19.5	2.06	0.67	0.73	0.92				
		920	31.6	1.85	0.53	0.6	0.78	31.2	2.27	0.53	0.6	0.79	28.8	2.47	0.58	0.65	0.85	0.61	0.69	20.3	2.11	0.82	0.93	1				
		1125	32.2	1.9	0.66	0.77	0.98	31.8	2.34	0.67	0.78	0.99	29.4	2.54	0.73	0.84	1	0.77	0.89	20.7	2.17	1	1	1				

7SHP15V36P + 7AH1AV36PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Outdoor Air Temperature Entering Outdoor Coil															
			75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° 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
7SHP15V36P	7AH1AV36PX	59°F (15°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	
			675	14.8	0.43	0.98	1	1	14.3	0.53	1	1	1	13.7	0.62	1	1	1
			840	15.6	0.45	1	1	1	15	0.54	1	1	1	14.4	0.64	1	1	1
			1013	15.9	0.46	1	1	1	15.3	0.56	1	1	1	14.7	0.66	1	1	1
			675	15.7	0.43	0.83	0.97	1	15	0.53	0.86	1	1	15.2	0.69	0.85	1	1
			840	16.5	0.45	0.97	1	1	15.8	0.55	1	1	1	16	0.71	1	1	1
			1013	16.8	0.46	1	1	1	16.1	0.56	1	1	1	16.3	0.73	1	1	1
			675	16.8	0.44	0.69	0.8	1	17.1	0.59	0.68	0.79	1	17.2	0.77	0.67	0.78	1
			840	17.6	0.45	0.79	0.94	1	17.9	0.61	0.78	0.92	1	18.1	0.79	0.77	0.91	1
			1013	18	0.46	1	1	1	18.3	0.63	1	1	1	18.5	0.82	1	1	1
7SHP15V36P	7AH1AV36PX	71°F (21.7°C)	675	17.9	0.44	0.66	0.71	0.87	19.2	0.66	0.62	0.67	0.81	19.4	0.85	0.61	0.66	0.8
			840	18.8	0.45	0.78	0.85	0.98	20.1	0.68	0.73	0.8	0.92	20.3	0.88	0.73	0.79	0.91
			1013	19.2	0.47	1	1	1	20.5	0.7	1	1	1	20.7	0.91	1	1	1
			675	17.9	0.44	0.66	0.71	0.87	19.2	0.66	0.62	0.67	0.81	19.4	0.85	0.61	0.66	0.8
			840	18.8	0.45	0.78	0.85	0.98	20.1	0.68	0.73	0.8	0.92	20.3	0.88	0.73	0.79	0.91
			1013	19.2	0.47	1	1	1	20.5	0.7	1	1	1	20.7	0.91	1	1	1
			675	17.9	0.44	0.66	0.71	0.87	19.2	0.66	0.62	0.67	0.81	19.4	0.85	0.61	0.66	0.8
			840	18.8	0.45	0.78	0.85	0.98	20.1	0.68	0.73	0.8	0.92	20.3	0.88	0.73	0.79	0.91
			1013	19.2	0.47	1	1	1	20.5	0.7	1	1	1	20.7	0.91	1	1	1
			675	17.9	0.44	0.66	0.71	0.87	19.2	0.66	0.62	0.67	0.81	19.4	0.85	0.61	0.66	0.8

7SHP15V36P + 7AH1AV36PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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)		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			Dry Bulb	Dry Bulb	Dry Bulb	Dry Bulb					
7SHP15V36P	7AH1AV36PX	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							
					1	1	1			1	1	1			1	1	1			1	1	1	1	1	1	1	1	1	1
			675	22.8	1.01	0.78	0.92	0.95	22.2	1.24	0.8	0.95	0.98	20	1.4	0.89	1	1	1	19.3	1.66	0.92	1	1	15.2	1.35	1	1	1
			840	23.9	1.05	0.91	0.95	0.99	23.3	1.28	0.94	0.98	1	21	1.45	1	1	1	1	20.2	1.72	1	1	1	16	1.4	1	1	1
			1013	24.4	1.08	0.99	1	1	23.7	1.32	1	1	1	21.4	1.5	1	1	1	1	20.6	1.77	1	1	1	16.3	1.44	1	1	1
			675	23.9	1.57	0.66	0.78	0.89	23.6	1.69	0.67	0.79	0.9	21.4	1.79	0.74	0.8	0.91	20.6	1.84	0.77	0.88	1	16	1.38	0.99	1	1	1
			840	25.1	1.62	0.74	0.88	0.99	24.8	1.75	0.75	0.89	1	22.5	1.86	0.83	0.9	1	21.6	1.9	0.86	0.99	1	16.8	1.42	1	1	1	1
			1013	25.6	1.67	0.81	1	1	25.3	1.8	0.82	1	1	22.9	1.91	0.9	1	1	22.1	1.96	0.94	1	1	17.1	1.47	1	1	1	1
			675	25.9	1.7	0.55	0.64	0.85	25.6	2.02	0.56	0.65	0.86	23.1	1.84	0.62	0.66	0.87	22.3	2.05	0.64	0.73	0.96	17.1	1.41	0.84	0.96	1	1
			840	27.2	1.76	0.61	0.72	0.92	26.9	2.09	0.62	0.73	0.93	24.3	1.91	0.69	0.74	1	23.4	2.12	0.72	0.82	1	17.9	1.46	0.94	1	1	1
7SHP15V36P	7AH1AV36PX	67°F (19.4°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							
					1	1	1			1	1	1			1	1	1			1	1	1	1	1	1	1	1	1	1
			1013	27.7	1.81	0.7	0.79	0.99	27.4	2.15	0.71	0.8	1	24.8	1.96	0.78	0.81	1	23.9	2.18	0.81	0.9	1	18.3	1.5	1	1	1	1
			675	27.9	1.75	0.53	0.57	0.69	27.6	2.08	0.54	0.58	0.7	25.1	1.9	0.59	0.59	0.71	25.4	2.11	0.58	0.65	0.78	20.1	1.71	0.73	0.82	0.98	0.98
			840	29.3	1.81	0.6	0.65	0.75	29	2.15	0.61	0.66	0.76	26.3	1.96	0.67	0.67	0.77	26.6	2.18	0.66	0.74	0.85	21.1	1.76	0.83	0.93	1	1
			1013	29.8	1.87	0.65	0.76	0.85	29.5	2.21	0.66	0.77	0.86	26.9	2.02	0.73	0.78	0.87	27.2	2.24	0.72	0.86	0.96	21.5	1.82	0.91	1	1	1
			675	27.9	1.75	0.53	0.57	0.69	27.6	2.08	0.54	0.58	0.7	25.1	1.9	0.59	0.59	0.71	25.4	2.11	0.58	0.65	0.78	20.1	1.71	0.73	0.82	0.98	0.98
			840	29.3	1.81	0.6	0.65	0.75	29	2.15	0.61	0.66	0.76	26.3	1.96	0.67	0.67	0.77	26.6	2.18	0.66	0.74	0.85	21.1	1.76	0.83	0.93	1	1
			1013	29.8	1.87	0.65	0.76	0.85	29.5	2.21	0.66	0.77	0.86	26.9	2.02	0.73	0.78	0.87	27.2	2.24	0.72	0.86	0.96	21.5	1.82	0.91	1	1	1
			7SHP15V36P	7AH1AV36PX	77°F (21.7°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				
1	1	1						1	1	1			1	1	1			1	1	1			1	1	1	1	1	1	1
1013	27.7	1.81				0.7	0.79	0.99	27.4	2.15	0.71	0.81	0.9	23.9	2.18	0.81	0.9	1	18.3	1.5	1	1	1	1	1	1	1	1	1
675	27.9	1.75				0.53	0.57	0.69	27.6	2.08	0.54	0.58	0.7	25.1	1.9	0.59	0.59	0.71	25.4	2.11	0.58	0.65	0.78	20.1	1.71	0.73	0.82	0.98	0.98
840	29.3	1.81				0.6	0.65	0.75	29	2.15	0.61	0.66	0.76	26.3	1.96	0.67	0.67	0.77	26.6	2.18	0.66	0.74	0.85	21.1	1.76	0.83	0.93	1	1
1013	29.8	1.87				0.65	0.76	0.85	29.5	2.21	0.66	0.77	0.86	26.9	2.02	0.73	0.78	0.87	27.2	2.24	0.72	0.86	0.96	21.5	1.82	0.91	1	1	1

COOLING PERFORMANCE EXTENDED RATINGS

7SH15V42P + 7AH1AV42PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																
				75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° 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	
			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		
7SH15V42P	7AH1AV42PX	59°F (15°C)	788	18.4	0.6	0.98	1	1	1	17.3	0.74	1	1	1	16.1	0.87	1	1	1	
			840	18.9	0.61	1	1	1	17.8	0.75	1	1	1	16.6	0.88	1	1	1		
			1181	20.2	0.66	1	1	1	1	19	0.81	1	1	1	17.8	0.95	1	1	1	
		63°F (17.2°C)	788	19.3	0.59	0.83	0.97	1	19.2	0.8	0.83	0.98	1	19.1	1.02	0.84	0.98	1	18.9	1.26
			840	19.9	0.6	0.95	1	1	19.8	0.81	0.96	1	1	19.7	1.03	0.96	1	1	19.5	1.28
			1181	21.3	0.65	1	1	1	21.1	0.87	1	1	1	21	1.12	1	1	1	20.8	1.38
		67°F (19.4°C)	788	21.7	0.64	0.69	0.8	1	21.6	0.86	0.69	0.81	1	21.4	1.1	0.7	0.82	1	21.2	1.36
			840	22.3	0.65	0.77	0.92	1	22.2	0.87	0.78	0.92	1	22	1.11	0.78	0.93	1	21.8	1.37
			1181	23.9	0.7	1	1	1	23.8	0.94	1	1	1	23.6	1.2	1	1	1	23.4	1.48
		71°F (21.7°C)	788	24.2	0.69	0.66	0.71	0.87	24.1	0.93	0.67	0.72	0.87	23.9	1.18	0.67	0.72	0.88	23.6	1.36
840	24.9		0.7	0.77	0.84	0.96	24.8	0.94	0.77	0.84	0.96	24.6	1.2	0.77	0.85	0.97	24.3	1.37		
1181	26.6		0.75	0.98	1	1	26.5	1.01	0.98	1	1	26.3	1.3	0.99	1	1	26	1.48		

7SH15V42P + 7AH1AV42PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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)			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	kBtu/h	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C					
75HP15V42P	7AH1AV42PX	59°F (15°C)	788	279	1.88	0.78	0.92	0.95	26.3	2.11	0.83	0.97	1	23.7	2.3	0.92	1	1	22.3	2.54	0.98	1	1	25.1	2.56	0.87	0.89	0.89				
			840	28.7	1.9	0.91	0.95	0.99	271	2.14	0.96	1	1	24.4	2.33	1	1	1	22.9	2.57	1	1	1	25.8	2.59	0.89	0.89	0.89				
			1181	30.7	2.05	0.99	1	1	29	2.31	1	1	1	26.1	2.52	1	1	1	24.5	2.78	1	1	1	27.6	2.8	0.89	0.89	0.89				
		788	29.7	2.1	0.66	0.78	0.89	28.6	2.35	0.68	0.81	0.92	26.5	2.34	0.74	0.84	0.95	25.5	2.58	0.77	0.91	1.03	26.2	2.6	0.75	0.88	1					
		840	30.5	2.12	0.74	0.88	0.99	29.4	2.38	0.77	0.91	1	27.2	2.37	0.83	0.94	1	26.2	2.61	0.86	1.02	1	27	2.63	0.83	0.99	0.97					
		1181	32.6	2.29	0.81	1	1	31.5	2.57	0.84	1	1	29.1	2.56	0.91	1	1	28	2.82	0.95	1	1	28.9	2.85	0.92	0.97	0.97					
		788	32	2.13	0.55	0.64	0.85	30.9	2.39	0.57	0.66	0.88	28.6	2.38	0.62	0.68	0.91	27.6	2.63	0.64	0.73	0.98	27.8	2.65	0.64	0.72	0.97					
		840	32.9	2.16	0.61	0.72	0.92	31.8	2.43	0.63	0.75	0.95	29.4	2.41	0.68	0.78	1	28.4	2.67	0.7	0.84	1	28.6	2.69	0.7	0.83	0.99					
		1181	35.2	2.33	0.7	0.79	0.99	34	2.62	0.73	0.82	1	31.5	2.61	0.79	0.85	1	30.3	2.88	0.82	0.92	1	30.6	2.9	0.81	0.91	0.99					
		788	34.4	2.17	0.53	0.57	0.69	33.3	2.44	0.55	0.59	0.71	30.9	2.42	0.59	0.61	0.73	29.8	2.68	0.61	0.66	0.79	29.3	2.7	0.62	0.67	0.8					
840	35.4	2.19	0.6	0.65	0.75	34.2	2.47	0.62	0.67	0.77	31.7	2.45	0.67	0.69	0.8	30.6	2.72	0.69	0.74	0.86	30.1	2.74	0.7	0.75	0.87							
1181	37.8	2.37	0.65	0.76	0.85	36.6	2.67	0.67	0.79	0.88	33.9	2.65	0.72	0.82	0.91	32.7	2.94	0.75	0.89	0.98	32.2	2.96	0.76	0.9	0.99							

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V42P + 7AH1AV42PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

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)					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	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			
7SHP15V42P	7AH14V2PX	59°F (15°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	kBtuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	
				38.5	3	0.65	0.69	0.75	36.5	3.37	0.68	0.73	0.79	32.5	3.34	0.76	0.82	0.89	30.8	3.68	0.81	0.87	0.9	27.6	3.71	0.9	0.97	1	
				1200	39.5	3.04	0.72	0.81	37.5	3.41	0.76	0.8	0.85	33.4	3.38	0.85	0.89	0.95	31.6	3.73	0.9	0.94	0.94	28.4	3.76	1	1	1	
		63°F (17.2°C)	1575 <td>42.3</td> <td>3.28</td> <td>0.85</td> <td>0.97</td> <td>1</td> <td>40.2</td> <td>3.68</td> <td>0.9</td> <td>1</td> <td>1</td> <td>35.7</td> <td>3.65</td> <td>1</td> <td>1</td> <td>1</td> <td>33.8</td> <td>4.03</td> <td>1</td> <td>1</td> <td>0.84</td> <td>30.3</td> <td>4.06</td> <td>1</td> <td>1</td> <td>1</td>	42.3	3.28	0.85	0.97	1	40.2	3.68	0.9	1	1	35.7	3.65	1	1	1	33.8	4.03	1	1	0.84	30.3	4.06	1	1	1	
				1050	40.1	3.03	0.54	0.64	0.73	38.2	3.4	0.57	0.68	0.82	34	3.37	0.64	0.76	1	32.2	3.73	0.68	0.8	0.59	28.9	3.76	0.75	0.89	1
				1200	41.2	3.06	0.64	0.79	0.9	39.2	3.44	0.68	0.83	0.95	35	3.41	0.76	0.93	1	33.1	3.78	0.8	0.98	0.72	29.7	3.81	0.89	1	1
		67°F (19.4°C)	1575 <td>44.1</td> <td>3.31</td> <td>0.77</td> <td>1</td> <td>1</td> <td>42</td> <td>3.72</td> <td>0.81</td> <td>1</td> <td>1</td> <td>37.4</td> <td>3.69</td> <td>0.9</td> <td>1</td> <td>1</td> <td>35.4</td> <td>4.08</td> <td>0.95</td> <td>1</td> <td>0.85</td> <td>31.8</td> <td>4.11</td> <td>1</td> <td>1</td> <td>1</td>	44.1	3.31	0.77	1	1	42	3.72	0.81	1	1	37.4	3.69	0.9	1	1	35.4	4.08	0.95	1	0.85	31.8	4.11	1	1	1	
				1050	42.4	3.06	0.53	0.64	40.4	3.45	0.56	0.68	0.79	36	3.42	0.63	0.76	0.89	34.1	3.79	0.66	0.8	0.61	30.7	3.82	0.74	0.89	1	
				1200	43.6	3.1	0.61	0.72	41.5	3.49	0.64	0.76	0.94	37	3.46	0.72	0.85	1	35.1	3.84	0.76	0.89	0.72	31.5	3.87	0.85	1	1	
		71°F (21.7°C)	1575 <td>46.6</td> <td>3.35</td> <td>0.71</td> <td>0.91</td> <td>1</td> <td>44.4</td> <td>3.77</td> <td>0.75</td> <td>0.95</td> <td>1</td> <td>39.5</td> <td>3.74</td> <td>0.84</td> <td>1</td> <td>1</td> <td>37.5</td> <td>4.14</td> <td>0.89</td> <td>1</td> <td>0.86</td> <td>33.7</td> <td>4.18</td> <td>0.99</td> <td>1</td> <td>1</td>	46.6	3.35	0.71	0.91	1	44.4	3.77	0.75	0.95	1	39.5	3.74	0.84	1	1	37.5	4.14	0.89	1	0.86	33.7	4.18	0.99	1	1	
				1050	44.7	3.1	0.48	0.52	42.7	3.49	0.5	0.54	0.68	38.1	3.46	0.56	0.61	0.76	36	3.84	0.59	0.64	0.52	32.5	3.88	0.65	0.71	0.89	
				1200	45.9	3.14	0.53	0.6	43.9	3.54	0.56	0.63	0.83	39.1	3.51	0.63	0.71	0.93	37.1	3.89	0.66	0.75	0.64	33.4	3.93	0.73	0.83	1	
				1575	49.2	3.39	0.67	0.78	46.9	3.82	0.7	0.81	1	41.9	3.79	0.79	0.91	1	39.6	4.21	0.83	0.96	0.8	35.7	4.25	0.92	1	1	

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V48P + 7AH1AV48PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
				75° F (23.9° C)				85° F (29.4° C)				95° F (35° C)				105° F (40.6° 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				
			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					
7SHP15V48P	7AH1AV48PX	59°F (15°C)	900	18.3	0.58	0.93	1	1	17.2	0.73	0.99	1	1	16	0.87	1	1	1	1				
			1190	19.5	0.61	1	1	18.3	0.76	1	1	17	0.91	1	1	15.7	1.06	1	1				
			1350	19.8	0.63	1	1	18.6	0.78	1	1	17.3	0.94	1	1	16	1.09	1	1				
		63°F (17.2°C)	900	19.3	0.57	0.79	0.93	1	19.3	0.78	0.79	0.93	1	19.1	1.02	0.8	0.94	1	19	1.27	0.8	0.95	1
			1190	20.6	0.59	0.97	1	1	20.5	0.82	0.98	1	1	20.3	1.07	0.99	1	1	20.2	1.33	0.99	1	1
			1350	21	0.61	1	1	1	20.9	0.85	1	1	1	20.7	1.1	1	1	1	20.6	1.37	1	1	1
		67°F (19.4°C)	900	21.9	0.61	0.66	0.77	1	21.8	0.84	0.66	0.77	1	21.6	1.09	0.66	0.78	1	21.4	1.36	0.67	0.78	1
			1190	23.3	0.63	0.79	0.94	1	23.2	0.88	0.8	0.94	1	23	1.14	0.8	0.95	1	22.8	1.42	0.81	0.96	1
			1350	23.7	0.65	1	1	1	23.6	0.91	1	1	1	23.4	1.18	1	1	1	23.2	1.47	1	1	1
			900	24.6	0.65	0.63	0.68	0.83	24.4	0.9	0.64	0.69	0.83	24.2	1.17	0.64	0.69	0.84	24	1.36	0.65	0.7	0.85
71°F (21.7°C)	1190	26.1	0.68	0.78	0.85	0.98	25.9	0.94	0.79	0.86	0.99	25.7	1.22	0.8	0.87	0.99	25.5	1.42	0.8	0.87	1		
	1350	26.7	0.7	0.94	1	1	26.5	0.97	0.95	1	1	26.3	1.26	0.95	1	1	26.1	1.47	0.96	1	1		

7SHP15V48P + 7AH1AV48PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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)				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)		
75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	75°F 23.9°C			80°F 26.7°C	85°F 29.4°C			75°F 23.9°C	80°F 26.7°C			85°F 29.4°C	75°F 23.9°C			80°F 26.7°C	85°F 29.4°C			75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
7SHP15V48P	7AH1AV48PX	59°F (15°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	
			900	296	1.87	0.78	0.92	0.95	28.4	2.12	0.81	0.96	0.99	24.5	1.85	0.94	1	1	1	19.7	2.01	1	1	1
			1190	315	1.95	0.91	0.95	0.99	30.1	2.22	0.95	0.99	1	26	1.94	1	1	1	21	2.11	1	1	1	
		63°F (17.2°C)	1350	321	2.01	0.99	1	30.7	2.29	1	1	26.6	1.99	1	24.9	2.23	1	1	21.4	2.17	1	1	1	
			900	316	1.71	0.66	0.78	0.89	30.8	2	0.68	0.8	0.91	27.5	1.86	0.76	0.82	1	26.3	2.09	0.79	0.92	1	1
			1190	336	1.79	0.74	0.88	0.99	32.7	2.1	0.76	0.9	1	29.2	1.95	0.85	1	1	28	2.13	1	1	1	
		67°F (19.4°C)	1350	34.3	1.85	0.81	1	33.4	2.16	0.83	1	29.8	2.01	0.83	1	28.6	2.25	0.97	1	22.4	2.19	1	1	1
			900	34.2	1.72	0.55	0.64	0.85	33.4	2.03	0.56	0.66	0.87	29.8	1.88	0.63	0.68	0.89	28.6	2.11	0.66	0.76	1	0.98
			1190	36.4	1.8	0.61	0.72	0.92	35.5	2.12	0.63	0.74	0.94	31.6	1.97	0.71	0.76	1	30.4	2.21	0.74	0.85	1	1
		7SHP15V48P	7AH1AV48PX	71°F (21.7°C)	1350	371	1.86	0.7	0.79	0.99	36.2	2.19	0.72	0.81	1	32.3	2.03	0.81	0.83	1	31	2.28	0.84	0.93
900	36.9				1.74	0.53	0.57	0.69	36	2.05	0.54	0.58	0.71	32.3	1.9	0.6	0.59	0.73	31	2.14	0.62	0.66	0.82	0.87
1190	39.2				1.82	0.6	0.65	0.75	38.3	2.15	0.61	0.67	0.77	34.3	1.99	0.68	0.69	0.79	33	2.24	0.71	0.77	0.88	0.94
1350	40				1.87	0.65	0.76	0.85	39	2.21	0.67	0.78	0.87	35	2.05	0.75	0.8	0.89	33.6	2.31	0.78	0.89	0.99	1

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V48P + 7AH1AV48PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	95° F (35° C)										105° F (40.6° C)										115° F (46.1° C)										125° F (51.7° C)									
				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	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C			Dry Bulb	80°F 26.7°C	85°F 29.4°C	Dry Bulb	80°F 26.7°C	85°F 29.4°C												
7SHP15V48P	7AH1AV48PX	59°F (15°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	kBTuh	kW	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C															
				421	3.38	0.62	0.66	0.71	40.8	3.92	0.64	0.68	0.74	34.3	3.58	0.76	0.81	0.88	32.4	3.97	0.8	0.86	0.92	28.3	3.85	0.92	0.99	1															
				1690	4.47	3.53	0.74	0.78	0.83	43.3	4.1	0.76	0.8	0.86	36.4	3.75	0.91	0.95	1	34.4	4.15	0.96	1	0.64	30	4.03	1	1	1														
				1800	45.6	3.64	0.87	1	1	44.2	4.23	0.9	1	1	37.2	3.86	1	1	1	35.1	4.28	1	1	0.83	30.6	4.15	1	1	1														
				1200	44	3.4	0.52	0.62	0.7	42.5	3.96	0.54	0.64	0.79	36	3.61	0.64	0.75	0.97	34	4.01	0.67	0.8	0.54	29.7	3.89	0.77	0.91	1														
		67°F (19.4°C)	1690	46.8	3.56	0.66	0.81	0.92	45.2	4.15	0.68	0.84	0.96	38.2	3.78	0.81	0.99	1	36.1	4.2	0.86	1	0.71	31.5	4.07	0.98	1	1															
			1800	47.7	3.67	0.79	1	1	46.1	4.27	0.81	1	1	39	3.9	0.96	1	1	36.8	4.33	1	1	0.83	32.2	4.2	1	1	1															
			1200	46.7	3.44	0.51	0.62	0.72	45.2	4.01	0.53	0.64	0.74	38.1	3.66	0.63	0.75	0.88	36.1	4.07	0.66	0.8	0.56	31.6	3.95	0.76	0.91	1															
			1690	49.6	3.6	0.63	0.74	0.92	48	4.2	0.65	0.76	0.95	40.5	3.83	0.77	0.91	1	38.3	4.26	0.82	0.96	0.71	33.5	4.13	0.93	1	1															
			1800	50.6	3.71	0.73	0.93	1	49	4.33	0.75	0.96	1	41.3	3.94	0.89	1	1	39.1	4.39	0.95	1	0.85	34.2	4.26	1	1	1															
71°F (21.7°C)	1200	49.3	3.47	0.45	0.49	0.62	47.8	4.07	0.47	0.51	0.64	40.5	3.7	0.55	0.6	0.75	38.3	4.12	0.59	0.64	0.48	33.5	4	0.67	0.73	0.91																	
	1690	52.4	3.64	0.55	0.62	0.81	50.8	4.26	0.56	0.64	0.84	43	3.87	0.67	0.76	0.99	40.7	4.32	0.7	0.8	0.63	35.6	4.19	0.81	0.91	1																	
	1800	53.4	3.75	0.69	0.8	1	51.8	4.39	0.71	0.82	1	43.9	3.99	0.84	0.97	1	41.5	4.45	0.89	1	0.79	36.3	4.31	1	1	1																	

COOLING PERFORMANCE EXTENDED RATINGS

7SH15V60P + 7AH1AV60PX [COOLING PERFORMANCE (MINIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
				75° F (23.9° C)						85° F (29.4° C)						95° F (35° C)						105° F (40.6° 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						
			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				
75HP15V60P	7AH1AV60PX	59°F (15°C)	1125	25.9	0.89	0.98	1	1	24.6	1.25	1	1	1	23.3	1.46	1	1	1	15.3	1.51	1	1	1	1			
			1260	26.9	0.91	1	1	25.5	1.28	1	1	24.2	1.5	1	1	15.9	1.54	1	1	1	1	1	1				
			1688	27.4	0.94	1	1	26	1.32	1	1	24.6	1.54	1	1	16.2	1.59	1	1	1	1	1	1				
		1125	27.2	0.92	0.83	0.97	1	26.5	1.33	0.85	1	25.8	1.6	0.87	1	16.4	1.65	1	1	1	1	1					
		1260	28.2	0.94	0.95	1	27.5	1.36	0.97	1	26.8	1.63	1	1	17	1.68	1	1	1	1	1	1					
		1688	28.7	0.97	1	1	28	1.4	1	1	27.3	1.68	1	1	17.3	1.73	1	1	1	1	1	1					
		1125	28.9	0.96	0.69	0.8	1	29.7	1.47	0.67	0.78	1	28.9	1.74	0.69	0.8	1	1	1	1	1	1	1				
		1260	29.9	0.98	0.77	0.92	1	30.8	1.51	0.75	0.89	1	29.9	1.78	0.77	0.92	1	1	1	1	1	1	1				
		1688	30.5	1.01	1	1	1	31.4	1.55	1	1	30.5	1.83	1	1	20.7	1.83	1	1	1	1	1	1				
		1125	30.7	0.99	0.66	0.71	0.87	32.3	1.56	0.63	0.68	0.82	32	1.89	0.64	0.68	0.83	23.8	1.95	0.86	0.92	1	1				
1260	31.8	1.01	0.77	0.84	0.96	33.5	1.59	0.73	0.79	0.91	33.2	1.93	0.73	0.8	0.92	24.6	1.99	0.99	1	1	1						
1688	32.4	1.04	0.98	1	1	34.1	1.64	0.93	1	33.8	1.99	0.93	1	25.1	2.05	1	1	1	1	1	1						

7SH15V60P + 7AH1AV60PX [COOLING PERFORMANCE (INTERMEDIATE CAPACITY)]

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					
75HP15V60P	7AH1AV60PX	59°F (15°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					
				37.4	1.94	0.78	0.92	0.95	35.2	2.16	0.83	0.98	1	26.8	1.61	1	1	1	1	1	19.7	2.11	1	1	1			
				38.7	1.98	0.91	0.95	0.99	36.5	2.21	0.97	1	27.8	1.65	1	1	25.6	2.12	1	1	20.4	2.15	1	1	1			
		63°F (17.2°C)	1125	39.5	2.04	0.99	1	1	37.3	2.27	1	1	28.4	1.7	1	1	26.1	2.18	1	1	20.8	2.22	1	1	1			
				39.4	1.96	0.66	0.78	0.89	37.5	2.18	0.69	0.82	0.93	28.3	1.89	0.92	1	28.3	2.1	0.92	1.33	1.33	20.7	2.14	1	1	1	
				40.8	2.01	0.74	0.88	0.99	38.9	2.23	0.78	0.92	1	29.3	1.93	1	1	29.4	2.14	1	1.33	1.33	21.5	2.18	1	1	1	
		67°F (19.4°C)	1260	41.7	2.07	0.81	1	1	39.7	2.3	0.85	1	29.9	1.99	1	1	29.9	2.21	1	1.33	1.33	21.9	2.25	1	1	1		
				42.5	1.99	0.55	0.64	0.85	40.5	2.21	0.58	0.67	0.89	31.3	1.91	0.75	0.7	1	31.3	2.13	0.75	0.91	1.29	2.18	1	1	1	
				44.1	2.03	0.61	0.72	0.92	42	2.26	0.64	0.76	0.97	32.4	1.95	0.83	0.8	1	32.5	2.18	0.83	1.03	1.29	2.23	1	1	1	
		71°F (21.7°C)	1688	45	2.1	0.7	0.79	0.99	42.8	2.33	0.74	0.83	1	33.1	2.01	0.96	1	33.1	2.24	0.96	1.29	1.29	2.29	1	1	1		
45.3	2.02			0.53	0.57	0.69	43.5	2.24	0.55	0.59	0.72	34.5	1.93	0.69	0.61	0.75	34	2.16	0.7	0.77	0.95	2.22	1	1	1			
47	2.06			0.6	0.65	0.75	45.1	2.29	0.62	0.68	0.78	35.7	1.97	0.78	0.71	0.81	35.2	2.21	0.79	0.9	1.02	2.27	1	1	1			
			1688	47.9	2.13	0.65	0.76	0.85	46	2.35	0.68	0.79	0.89	36.5	2.03	0.86	0.82	1	36	2.28	0.87	1.04	1	24.9	2.34	1	1	1

COOLING PERFORMANCE EXTENDED RATINGS

7SHP15V60P + 7AH1AV60PX [COOLING PERFORMANCE (MAXIMUM CAPACITY)]

Outdoor	Indoor	Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil										115° F (46.1° C)					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																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
			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	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb	Total Ratio (S/T)	Comp. Motor Input	Total Cooling Capacity	Dry Bulb</

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V18P + 7AH1AV18PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	338	8.073133	0.31	8.364933	0.35	8.364933	0.39	7.197733	0.33
	425	8.3	0.3	8.6	0.34	8.6	0.38	7.4	0.32
	506	8.654134	0.29	8.966933	0.33	8.966933	0.37	7.715734	0.32
70° F	338	7.295	0.29	7.392267	0.31	7.392267	0.35	6.030533	0.28
	425	7.5	0.28	7.6	0.3	7.6	0.34	6.2	0.27
	506	7.82	0.27	7.924267	0.29	7.924267	0.33	6.464533	0.26
75° F	338	7.197733	0.32	6.905933	0.31	6.4196	0.31	5.933267	0.3
	425	7.4	0.31	7.1	0.3	6.6	0.3	6.1	0.29
	506	7.715734	0.3	7.402933	0.3	6.8816	0.29	6.360267	0.28

7SHP15V18P + 7AH1AV18PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	450	18.96453	1.36	16.84667	1.45	13.47733	1.32	12.7072	1.81	0	0
	590	19.7	1.3	17.5	1.39	14	1.27	13.2	1.74	0	0
	675	20.54053	1.27	18.24667	1.35	14.59733	1.24	13.7632	1.69	0	0
70° F	450	17.80933	1.29	16.65413	1.54	15.78773	1.79	12.51467	1.9	0	0
	590	18.5	1.24	17.3	1.47	16.4	1.71	13	1.82	0	0
	675	19.28933	1.21	18.03813	1.43	17.09973	1.67	13.55467	1.77	0	0
75° F	450	16.07653	1.15	16.4616	1.63	15.5952	1.88	12.32213	1.99	0	0
	590	16.7	1.1	17.1	1.56	16.2	1.8	12.8	1.91	0	0
	675	17.41253	1.07	17.8296	1.52	16.8912	1.75	13.34613	1.86	0	0

7SHP15V18P + 7AH1AV18PX - INDOOR COIL AIR VOLUME - 590 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	1.302253	19.7	3.68	65	1.239093	18.5	3.6	65	1.09832	16.7	3.58
60	1.33169	19.109	3.5	60	1.30432	17.945	3.35	60	1.22124	16.199	3.19
55	1.361127	18.53573	3.33	55	1.369547	17.40665	3.12	55	1.34416	15.71303	2.86
50	1.390563	18.26786	3.23	50	1.434773	17.60332	3.03	50	1.46708	16.65652	2.81
47	1.42	18	3.13	47	1.5	17.8	2.95	47	1.59	17.6	2.78
45	1.389901	17.5	3.1	45	1.474532	17.3	2.91	45	1.55924	17.1	2.74
40	1.359961	16.975	3.06	40	1.534428	16.781	2.73	40	1.619742	16.587	2.58
35	1.330021	16.46575	3.02	35	1.594324	16.44538	2.59	35	1.680244	16.25526	2.44
30	1.300081	15.97178	2.99	30	1.654221	16.42269	2.5	30	1.740746	16.22763	2.37
25	1.270141	14	2.67	25	1.714117	16.4	2.43	25	1.801247	16.2	2.3
20	1.5857	15.656	2.48	20	1.6665	15.9	2.41	20	1.7473	15.244	2.22
17	1.57	15.2	2.42	17	1.65	15	2.29	17	1.73	14.8	2.17
15	1.5386	14.44	2.34	15	1.617	14.25	2.22	15	1.6954	14.06	2.1
10	1.7748	13.992	2.01	10	1.8564	13.52	1.86	10	1.9482	13.312	1.76
5	1.74	13.2	1.93	5	1.82	13	1.83	5	1.91	12.8	1.72
0	1.7052	12.276	1.82	0	1.7836	11.7	1.67	0	1.8718	11.52	1.58
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V24P + 7AH1AV24PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	450	8.0842	0.31	8.3764	0.35	8.3764	0.39	7.2076	0.33
	570	8.3	0.3	8.6	0.34	8.6	0.38	7.4	0.32
	675	8.6652	0.29	8.9784	0.33	8.9784	0.37	7.7256	0.32
70° F	450	7.305	0.29	7.4024	0.31	7.4024	0.35	6.0388	0.28
	570	7.5	0.28	7.6	0.3	7.6	0.34	6.2	0.27
	675	7.83	0.28	7.9344	0.29	7.9344	0.33	6.4728	0.26
75° F	450	7.2076	0.32	6.9154	0.31	6.4284	0.31	5.9414	0.3
	570	7.4	0.31	7.1	0.3	6.6	0.3	6.1	0.29
	675	7.7256	0.3	7.4124	0.3	6.8904	0.29	6.3684	0.28

7SHP15V24P + 7AH1AV24PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	600	18.9908	1.36	16.87	1.45	13.496	1.33	12.7248	1.81	0	0
	780	19.7	1.3	17.5	1.39	14	1.27	13.2	1.74	0	0
	900	20.5668	1.27	18.27	1.35	14.616	1.24	13.7808	1.69	0	0
70° F	600	17.834	1.29	16.6772	1.54	15.8096	1.79	12.532	1.9	0	0
	780	18.5	1.24	17.3	1.47	16.4	1.71	13	1.82	0	0
	900	19.314	1.21	18.0612	1.44	17.1216	1.67	13.572	1.78	0	0
75° F	600	16.0988	1.15	16.4844	1.63	15.6168	1.88	12.3392	1.99	0	0
	780	16.7	1.1	17.1	1.56	16.2	1.8	12.8	1.91	0	0
	900	17.4348	1.07	17.8524	1.52	16.9128	1.75	13.3632	1.86	0	0

7SHP15V24P + 7AH1AV24PX - INDOOR COIL AIR VOLUME - 780 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	1.302253	19.7	3.49	65	1.239093	18.5	3.41	65	1.09832	16.7	3.38
60	1.33169	19.109	3.33	60	1.30432	17.945	3.18	60	1.22124	16.199	3.02
55	1.361127	18.53573	3.17	55	1.369547	17.40665	2.97	55	1.34416	15.71303	2.72
50	1.390563	18.26786	3.07	50	1.434773	17.60332	2.89	50	1.46708	16.65652	2.69
47	1.42	18	2.98	47	1.5	17.8	2.82	47	1.59	17.6	2.66
45	1.389901	17.5	2.95	45	1.474532	17.3	2.78	45	1.55924	17.1	2.62
40	1.359961	16.975	2.91	40	1.534428	16.781	2.61	40	1.619742	16.587	2.47
35	1.330021	16.46575	2.87	35	1.594324	16.44538	2.48	35	1.680244	16.25526	2.34
30	1.300081	15.97178	2.84	30	1.654221	16.42269	2.4	30	1.740746	16.22763	2.28
25	1.270141	14	2.53	25	1.714117	16.4	2.33	25	1.801247	16.2	2.21
20	1.5857	15.656	2.37	20	1.6665	15.9	2.31	20	1.7473	15.244	2.13
17	1.57	15.2	2.32	17	1.65	15	2.2	17	1.73	14.8	2.09
15	1.5386	14.44	2.24	15	1.617	14.25	2.13	15	1.6954	14.06	2.01
10	1.7748	13.992	1.93	10	1.8564	13.52	1.79	10	1.9482	13.312	1.7
5	1.74	13.2	1.85	5	1.82	13	1.76	5	1.91	12.8	1.66
0	1.7052	12.276	1.75	0	1.7836	11.7	1.61	0	1.8718	11.52	1.52
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V30P + 7AH1AV30PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	563	13.85748	0.55	13.46436	0.54	13.2678	0.58	11.89188	0.5
	660	14.1	0.53	13.7	0.52	13.5	0.55	12.1	0.48
	844	14.84448	0.51	14.42336	0.5	14.2128	0.54	12.73888	0.47
70° F	563	13.66092	0.59	13.2678	0.58	12.48156	0.55	11.69532	0.53
	660	13.9	0.56	13.5	0.55	12.7	0.53	11.9	0.51
	844	14.63392	0.55	14.2128	0.54	13.37056	0.52	12.52832	0.5
75° F	563	13.46436	0.62	13.07124	0.61	12.285	0.59	11.59704	0.57
	660	13.7	0.6	13.3	0.59	12.5	0.57	11.8	0.54
	844	14.42336	0.58	14.00224	0.57	13.16	0.55	12.42304	0.53

7SHP15V30P + 7AH1AV30PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	750	27.04384	1.42	28.6976	2.17	23.05536	1.91	20.03968	2.52	0	0
	920	27.8	1.35	29.5	2.06	23.7	1.82	20.6	2.39	0	0
	1125	29.26784	1.33	31.0576	2.03	24.95136	1.78	21.68768	2.35	0	0
70° F	750	25.2928	1.34	28.30848	2.28	25.87648	2.77	19.74784	2.63	0	0
	920	26	1.27	29.1	2.16	26.6	2.64	20.3	2.5	0	0
	1125	27.3728	1.25	30.63648	2.13	28.00448	2.59	21.37184	2.45	0	0
75° F	750	22.8608	1.18	27.91936	2.39	25.48736	2.89	19.55328	2.74	0	0
	920	23.5	1.12	28.7	2.27	26.2	2.75	20.1	2.6	0	0
	1125	24.7408	1.1	30.21536	2.23	27.58336	2.7	21.16128	2.56	0	0

7SHP15V30P + 7AH1AV30PX - INDOOR COIL AIR VOLUME - 920 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	1.348661	27.8	4.61	65	1.274806	26	4.5	65	1.121596	23.5	4.47
60	1.538996	26.966	4.03	60	1.508605	25.22	3.83	60	1.421197	22.795	3.63
55	1.729331	26.15702	3.57	55	1.742403	24.4634	3.32	55	1.720798	22.1115	3.03
50	1.919665	28.27851	3.54	50	1.976202	27.2317	3.33	50	2.020399	25.80557	3.1
47	2.11	30.4	3.52	47	2.21	30	3.34	47	2.32	29.5	3.16
45	2.060626	29.5	3.49	45	2.163324	29.1	3.3	45	2.266164	28.7	3.13
40	1.999487	28.615	3.47	40	2.281421	28.227	3.06	40	2.386074	27.839	2.91
35	1.938348	27.75655	3.45	35	2.399518	27.66246	2.88	35	2.505984	27.28222	2.73
30	1.877208	26.92385	3.43	30	2.517615	27.13123	2.71	30	2.625894	26.74111	2.57
25	1.816069	23.7	3.11	25	2.635712	26.6	2.55	25	2.745804	26.2	2.43
20	2.3432	23.69	2.51	20	2.4442	24.062	2.46	20	2.5452	23.175	2.29
17	2.32	23	2.46	17	2.42	22.7	2.34	17	2.52	22.5	2.24
15	2.2736	21.85	2.38	15	2.3716	21.565	2.26	15	2.4696	21.375	2.17
10	2.4378	21.836	2.24	10	2.55	21.112	2.08	10	2.652	20.904	2
5	2.39	20.6	2.15	5	2.5	20.3	2.04	5	2.6	20.1	1.95
0	2.3422	19.158	2.03	0	2.45	18.27	1.86	0	2.548	18.09	1.79
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V36P + 7AH1AV36PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	675	18.3834	0.86	17.89707	0.84	17.70253	0.9	17.02167	0.91
	840	18.9	0.83	18.4	0.82	18.2	0.87	17.5	0.88
	1013	19.5174	0.77	19.00107	0.75	18.79453	0.8	18.07167	0.81
70° F	675	18.18887	0.91	17.70253	0.9	16.6326	0.86	16.82713	0.96
	840	18.7	0.88	18.2	0.87	17.1	0.83	17.3	0.93
	1013	19.31087	0.82	18.79453	0.8	17.6586	0.77	17.86513	0.86
75° F	675	17.89707	0.97	17.41073	0.95	16.43807	0.91	16.53533	1.01
	840	18.4	0.94	17.9	0.92	16.9	0.88	17	0.98
	1013	19.00107	0.86	18.48473	0.85	17.45207	0.81	17.55533	0.91

7SHP15V36P + 7AH1AV36PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	900	32.94727	2.13	34.86386	3.19	28.2014	2.81	19.80487	2.63	0	0
	1180	36.1	2.05	38.2	3.06	30.9	2.69	21.7	2.53	0	0
	1350	37.64027	1.93	39.82987	2.88	32.2184	2.54	22.62587	2.38	0	0
70° F	900	30.9394	2.02	32.76473	3.01	25.4634	2.54	19.53107	2.76	0	0
	1180	33.9	1.93	35.9	2.88	27.9	2.43	21.4	2.64	0	0
	1350	35.3464	1.82	37.43173	2.72	29.0904	2.29	22.31307	2.49	0	0
75° F	900	28.11013	1.78	31.12193	2.92	25.37213	2.7	19.25727	2.88	0	0
	1180	30.8	1.71	34.1	2.8	27.8	2.59	21.1	2.76	0	0
	1350	32.11413	1.61	35.55493	2.64	28.98613	2.44	22.00027	2.6	0	0

7SHP15V36P + 7AH1AV36PX - INDOOR COIL AIR VOLUME - 1180 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	2.045555	36.1	4.16	65	1.934343	33.9	4.08	65	1.706484	30.8	4.09
60	2.316666	35.017	3.64	60	2.188257	32.883	3.59	60	1.994863	29.876	3.51
55	2.587778	33.96649	3.23	55	2.442172	31.89651	3.18	55	2.283242	28.97972	3.05
50	2.858889	36.63324	3.2	50	2.696086	34.39825	3.15	50	2.571621	32.03986	3.06
47	3.13	39.3	3.17	47	2.95	36.9	3.13	47	2.86	35.1	3.06
45	3.059151	38.2	3.15	45	2.883602	35.9	3.11	45	2.801214	34.1	3.03
40	2.967397	37.054	3.13	40	2.771055	34.823	3.12	40	2.7478	33.077	2.98
35	2.875643	35.94238	3.12	35	2.658507	34.12654	3.17	35	2.694386	32.41546	2.97
30	2.783889	34.86411	3.11	30	2.54596	31.01327	2.98	30	2.640972	30.10773	2.81
25	2.692135	30.9	2.84	25	2.433413	27.9	2.79	25	2.587558	27.8	2.64
20	2.2826	26.059	2.75	20	2.3937	26.5	2.69	20	2.5351	25.647	2.48
17	2.26	25.3	2.69	17	2.37	25	2.55	17	2.51	24.9	2.43
15	2.2148	24.035	2.59	15	2.3226	23.75	2.47	15	2.4598	23.655	2.34
10	2.5806	23.002	2.19	10	2.6928	22.256	2.04	10	2.8152	21.944	1.94
5	2.53	21.7	2.1	5	2.64	21.4	2	5	2.76	21.1	1.9
0	2.4794	20.181	1.98	0	2.5872	19.26	1.83	0	2.7048	18.99	1.74
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V42P + 7AH1AV42PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	788	14.89286	0.87	14.49571	0.86	13.70143	0.84	12.90714	0.82
	840	15	0.82	14.6	0.82	13.8	0.8	13	0.78
	1181	15.79286	0.78	15.37171	0.77	14.52943	0.75	13.68714	0.73
70° F	788	14.595	0.92	14.19786	0.91	13.40357	0.89	12.60929	0.87
	840	14.7	0.87	14.3	0.87	13.5	0.84	12.7	0.82
	1181	15.477	0.82	15.05586	0.82	14.21357	0.8	13.37129	0.78
75° F	788	14.19786	0.97	13.9	0.96	13.10571	0.94	12.31143	0.91
	840	14.3	0.93	14	0.92	13.2	0.89	12.4	0.87
	1181	15.05586	0.87	14.74	0.86	13.89771	0.84	13.05543	0.82

7SHP15V42P + 7AH1AV42PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	1050	38.24714	2.8	38.15386	3.71	31.81043	3.46	25.56029	4	0	0
	1200	41	2.64	40.9	3.49	34.1	3.26	27.4	3.76	0	0
	1575	43.57714	2.54	43.47086	3.36	36.24343	3.13	29.12229	3.62	0	0
70° F	1050	37.12772	2.81	37.68743	3.85	33.02314	4.03	25.18714	4.13	0	0
	1200	39.8	2.64	40.4	3.63	35.4	3.79	27	3.89	0	0
	1575	42.30172	2.55	42.93943	3.49	37.62514	3.65	28.69714	3.75	0	0
75° F	1050	34.51571	2.56	34.79557	3.42	32.18357	4.04	23.88114	3.96	0	0
	1200	37	2.41	37.3	3.22	34.5	3.8	25.6	3.72	0	0
	1575	39.32571	2.32	39.64457	3.1	36.66857	3.66	27.20914	3.58	0	0

7SHP15V42P + 7AH1AV42PX - INDOOR COIL AIR VOLUME - 1200 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	2.63887	41	3.6	65	2.643616	39.8	3.49	65	2.405991	37	3.49
60	2.871652	39.77	3.26	60	2.910212	38.606	3.13	60	2.626994	35.89	3.16
55	3.104435	38.5769	2.97	55	3.176808	37.44782	2.83	55	2.847996	34.8133	2.87
50	3.337218	40.28845	2.93	50	3.443404	39.47391	2.79	50	3.068998	36.55665	2.84
47	3.57	42	2.88	47	3.71	41.5	2.76	47	3.29	38.3	2.81
45	3.492994	40.9	2.86	45	3.626189	40.4	2.74	45	3.219901	37.3	2.79
40	3.43369	39.673	2.81	40	3.66736	39.188	2.63	40	3.365895	36.181	2.61
35	3.374386	38.48281	2.77	35	3.708531	38.40424	2.55	35	3.511889	35.45738	2.47
30	3.315083	37.32833	2.72	30	3.749702	36.90212	2.43	30	3.657882	34.97869	2.35
25	3.255779	34.1	2.53	25	3.790873	35.4	2.31	25	3.803876	34.5	2.24
20	3.838	35.226	2.27	20	3.7976	34.98	2.28	20	3.7976	32.96	2.15
17	3.8	34.2	2.23	17	3.76	33	2.17	17	3.76	32	2.1
15	3.724	32.49	2.15	15	3.6848	31.35	2.1	15	3.6848	30.4	2.03
10	3.8352	29.044	1.88	10	3.9678	28.08	1.76	10	3.7944	26.624	1.74
5	3.76	27.4	1.8	5	3.89	27	1.72	5	3.72	25.6	1.7
0	3.6848	25.482	1.7	0	3.8122	24.3	1.58	0	3.6456	23.04	1.55
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V48P + 7AH1AV48PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	900	16.2409	0.89	15.7604	0.88	16.337	1.04	16.0487	1.11
	1190	16.9	0.87	16.4	0.86	17	1.02	16.7	1.09
	1350	17.2549	0.79	16.7444	0.79	17.357	0.93	17.0507	0.99
70° F	900	15.8565	0.95	15.4721	0.95	15.2799	1.02	15.0877	1.09
	1190	16.5	0.93	16.1	0.93	15.9	1	15.7	1.07
	1350	16.8465	0.85	16.4381	0.85	16.2339	0.91	16.0297	0.97
75° F	900	15.5682	1.02	15.1838	1.01	14.2228	1	13.7423	1.02
	1190	16.2	1	15.8	0.99	14.8	0.98	14.3	1
	1350	16.5402	0.91	16.1318	0.91	15.1108	0.89	14.6003	0.91

7SHP15V48P + 7AH1AV48PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	1200	46.0411	3.23	42.9777	3.68	35.92467	3.52	26.09678	3.34	0	0
	1690	51.1	3.13	47.7	3.57	39.872	3.42	28.96424	3.24	0	0
	1800	52.6841	2.91	49.1787	3.33	41.10803	3.18	29.86213	3.01	0	0
70° F	1200	42.4371	2.87	42.347	3.84	37.94085	3.89	25.72922	3.47	0	0
	1690	47.1	2.79	47	3.72	42.10971	3.78	28.55629	3.36	0	0
	1800	48.5601	2.6	48.457	3.46	43.41512	3.52	29.44154	3.13	0	0
75° F	1200	40.2747	2.76	40.0945	3.63	37.48263	4.04	25.36166	3.59	0	0
	1690	44.7	2.68	44.5	3.53	41.60114	3.92	28.14834	3.49	0	0
	1800	46.0857	2.49	45.8795	3.28	42.89078	3.65	29.02094	3.25	0	0

7SHP15V48P + 7AH1AV48PX - INDOOR COIL AIR VOLUME - 1690 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	3.128174	51.1	3.77	65	2.788345	47.1	3.79	65	2.677763	44.7	3.71
60	3.25613	49.567	3.54	60	3.041259	45.687	3.44	60	2.908323	43.359	3.38
55	3.384087	48.07999	3.33	55	3.294173	44.31639	3.13	55	3.138882	42.05823	3.09
50	3.512043	48.53999	3.26	50	3.547086	46.30819	3.09	50	3.369441	43.92912	3.05
47	3.64	49	3.2	47	3.8	48.3	3.05	47	3.6	45.8	3.02
45	3.571662	47.7	3.16	45	3.721012	47	3.01	45	3.525049	44.5	2.98
40	3.533339	46.269	3.09	40	3.734687	45.59	2.91	40	3.623134	43.165	2.83
35	3.495016	44.88093	3.03	35	3.748362	44.6782	2.85	35	3.721218	42.3017	2.71
30	3.456692	43.5345	2.96	30	3.762036	43.39396	2.76	30	3.819302	41.95142	2.63
25	3.418369	39.872	2.74	25	3.775711	42.10971	2.67	25	3.917386	41.60114	2.56
20	3.3431	37.595	2.63	20	3.4744	38.16	2.59	20	3.5956	36.668	2.42
17	3.31	36.5	2.57	17	3.44	36	2.46	17	3.56	35.6	2.37
15	3.2438	34.675	2.48	15	3.3712	34.2	2.37	15	3.4888	33.82	2.28
10	3.3048	30.70209	2.17	10	3.4272	29.69854	2.03	10	3.5598	29.27428	1.95
5	3.24	28.96424	2.08	5	3.36	28.55629	1.99	5	3.49	28.14834	1.9
0	3.1752	26.93674	1.96	0	3.2928	25.70066	1.82	0	3.4202	25.33351	1.74
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

HEATING PERFORMANCE EXTENDED RATINGS

7SHP15V60P + 7AH1AV60PX - HEATING PERFORMANCE (MINIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil							
		65°F (18°C)		60°F (15.5°C)		55°F (27.8°C)		50°F (10°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	1125	17.23536	0.88	16.72544	0.87	17.33734	1.03	17.03139	1.1
	1260	16.74636	0.8	16.25091	0.8	16.84546	0.95	16.54818	1.01
	1688	17.66674	0.76	17.14406	0.76	17.77128	0.9	17.45767	0.95
70° F	1125	16.82742	0.94	16.41948	0.94	16.21551	1.01	16.01155	1.08
	1260	16.35	0.87	15.95364	0.86	15.75546	0.93	15.55727	0.99
	1688	17.2486	0.82	16.83045	0.81	16.62137	0.88	16.4123	0.94
75° F	1125	16.52147	1.01	16.11353	1	15.09369	0.99	14.58376	1.01
	1260	16.05273	0.93	15.65636	0.92	14.66545	0.91	14.17	0.93
	1688	16.93499	0.88	16.51684	0.87	15.47147	0.86	14.94878	0.88

7SHP15V60P + 7AH1AV60PX - HEATING PERFORMANCE (MAXIMUM CAPACITY)

Entering Dry Bulb Temperature	CFM	Air Temperature Entering Outdoor Coil									
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-28°C)	
		Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
65° F	1500	46.58462	3.13	43.48505	3.58	36.50924	3.52	25.98828	3.23	0	0
	1820	50.63546	2.9	47.26637	3.31	39.68395	3.26	28.24813	2.99	0	0
	2250	52.66087	2.77	49.15702	3.16	41.27131	3.11	29.37805	2.86	0	0
70° F	1500	42.93807	2.79	42.84691	3.73	38.55822	3.89	25.62225	3.35	0	0
	1820	46.67182	2.58	46.57273	3.45	41.91111	3.6	27.85027	3.11	0	0
	2250	48.53869	2.47	48.43563	3.29	43.58755	3.44	28.96428	2.96	0	0
75° F	1500	40.75014	2.68	40.56782	3.53	38.09254	4.04	25.25621	3.48	0	0
	1820	44.29364	2.48	44.09546	3.27	41.40494	3.74	27.45241	3.22	0	0
	2250	46.06538	2.37	45.85927	3.12	43.06113	3.57	28.5505	3.07	0	0

7SHP15V60P + 7AH1AV60PX - INDOOR COIL AIR VOLUME - 1820 CFM

Indoor Entering Dry Bulb Temperature 65° F Dry Bulb				Indoor Entering Dry Bulb Temperature 70° F Dry Bulb				Indoor Entering Dry Bulb Temperature 75° F Dry Bulb			
Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP	Outdoor Temperature	Compressor Motor Input	Total Output	COP
65	2.899753	50.63546	3.96	65	2.584738	46.67182	3.98	65	2.482232	44.29364	3.9
60	3.084815	49.11639	3.66	60	2.888554	45.27166	3.55	60	2.761674	42.96483	3.49
55	3.269876	47.6429	3.39	55	3.192369	43.91351	3.18	55	3.041116	41.67588	3.14
50	3.454938	48.32145	3.29	50	3.496185	46.10676	3.11	50	3.320558	43.73794	3.07
47	3.64	49	3.2	47	3.8	48.3	3.05	47	3.6	45.8	3.02
45	3.310858	47.26637	3.33	45	3.449302	46.57273	3.17	45	3.267648	44.09546	3.14
40	3.298265	45.84837	3.24	40	3.487307	45.17554	3.05	40	3.38485	42.77259	2.96
35	3.285672	44.47292	3.15	35	3.525313	44.27203	2.97	35	3.502052	41.91714	2.82
30	3.273079	43.13873	3.07	30	3.563319	43.09157	2.86	30	3.619254	41.66104	2.73
25	3.260486	39.68395	2.83	25	3.601324	41.91111	2.76	25	3.736455	41.40494	2.65
20	3.3431	37.595	2.63	20	3.4744	38.16	2.59	20	3.5956	36.668	2.42
17	3.31	36.5	2.57	17	3.44	36	2.46	17	3.56	35.6	2.37
15	3.2438	34.675	2.48	15	3.3712	34.2	2.37	15	3.4888	33.82	2.28
10	3.0498	29.94302	2.25	10	3.1722	28.96428	2.11	10	3.2844	28.5505	2.02
5	2.99	28.24813	2.16	5	3.11	27.85027	2.06	5	3.22	27.45241	1.98
0	2.9302	26.27076	2.04	0	3.0478	25.06524	1.89	0	3.1556	24.70717	1.81
-5	0	0	0	-5	0	0	0	-5	0	0	0
-10	0	0	0	-10	0	0	0	-10	0	0	0
-15	0	0	0	-15	0	0	0	-15	0	0	0
-20	0	0	0	-20	0	0	0	-20	0	0	0

REVISIONS

Sections	Description of Change
Cooling & Heating Performance Extended Ratings	Added Extended Ratings data for the Cooling & Heating Performance



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