

BA16

PRODUCT SPECIFICATIONS



16 SEER SPLIT
SYSTEM AIR CONDITIONER

FORM NO. 4AC16L-100 (03/2020)



COMPRESSOR

- High-efficiency scroll compressor
- R410A refrigerant
- Internally protected against high temperature motor overload conditions
- Heavy-duty compressor sound blanket for quiet operation (optional accessory)

CABINET

- Full metal louvered construction to protect the coil/hail protection
- Individual louver panels; 4 screws to remove for ease of coil cleaning and service
- Corner-mounted controls for easy service
- Baked polyester paint finished over galvanized steel for maximum durability
- 45-degree offset valves for easy service

COILS

- Omniguard™ total corrosion protection technology designed coil
- Enhanced tube-and-fin coil design featuring MHT™ Technology
- Lanced fins for maximum heat transfer
- Every coil factory tested for leakproof construction
- Raised coil prevents debris from impeding airflow

COMPONENTS

- Factory installed high pressure switch
- Thread-on pressure switches with Schrader core for simple, quick replacement
- Filter drier shipped loose for installation flexibility
- Fan orifice for smoother airflow and sound level reduction
- Charged for 15 feet of line set

WARRANTY

10 year limited warranty on compressor

10 year limited warranty on all parts, extended warranty available*

**Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults to 5-year coverage. See full warranty at www.blueridgewarranty.com for terms, conditions and exclusions.*

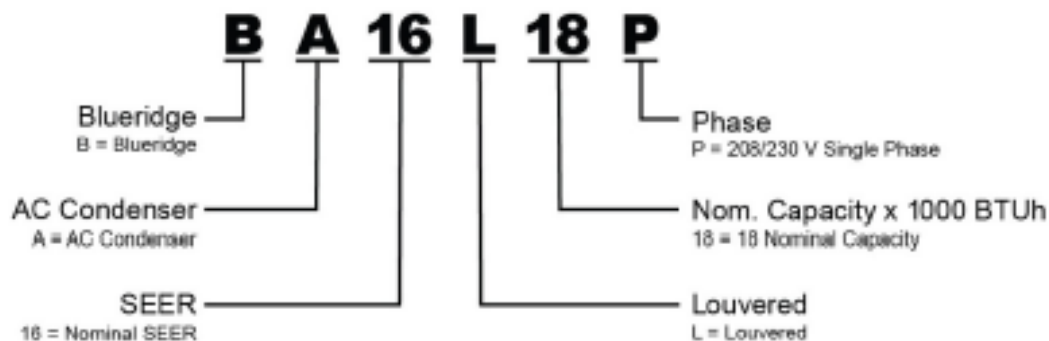
NOTE:

For the latest ratings, please see
www.alliedratings.com or www.AHRIdirectory.org



MODEL NUMBER GUIDE

MODEL NUMBER GUIDE



PHYSICAL AND ELECTRICAL DATA

Model	Voltage/Hz/Phase	Voltage Range	Min. Circuit Amp.	Max. Over Current Device (amps)	Compressor		Outdoor Fan Motor		
					Rated Load (amps)	Locked Rotor (amps)	Rated Load (amps)	Rated HP	Nom. RPM
BA16L18P	208-230/60/1	197-253	11.9	20	9	48	0.7	1/10	1075
BA16L24P	208-230/60/1	197-253	14.6	25	10.9	59	1	1/6	825
BA16L30P	208-230/60/1	197-253	17	25	12.8	68	1	1/6	825
BA16L36P	208-230/60/1	197-253	18	30	13.6	79	1	1/6	825
BA16L41P	208-230/60/1	197-253	19.3	30	14.7	75	1	1/6	825
BA16L42P	208-230/60/1	197-253	23.4	40	17.9	112	1	1/6	825
BA16L47P	208-230/60/1	197-253	21.9	35	16.1	106	1.8	1/3	825
BA16L48P	208-230/60/1	197-253	24.2	40	18	117	1.7	1/4	825
BA16L59P	208-230/60/1	197-253	28.2	45	20.8	127	2.8	1/3	V Spd
BA16L60P	208-230/60/1	197-253	29.6	50	22.2	128	1.8	1/3	825

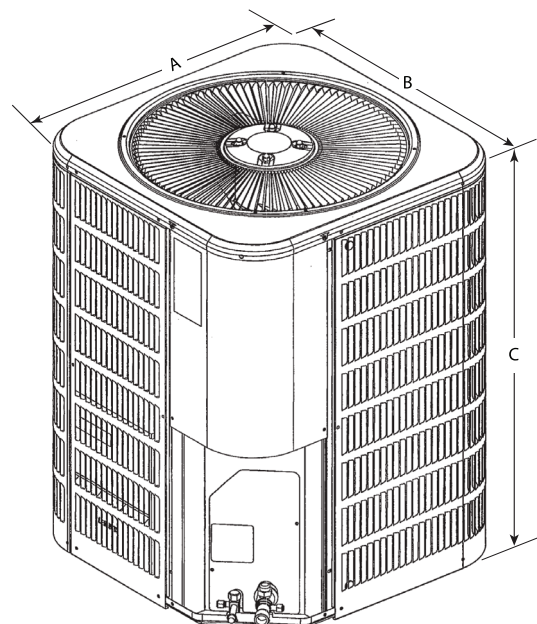
UNIT DIMENSIONS (IN.)

Model	Dimensions (inch)			Shipping Weight (Lbs.)
	A - Width	B - Depth	C - Height	
BA16L18P	24.25	24.25	29	134
BA16L24P	28.25	28.25	29	154
BA16L30P	28.25	28.25	37	169
BA16L36P	28.25	28.25	29	181
BA16L41P	28.25	28.25	37	192
BA16L42P	28.25	28.25	37	211
BA16L47P	32.25	32.25	33	231
BA16L48P	28.25	28.25	37	218
BA16L59P	32.25	32.25	43	253
BA16L60P	32.25	32.25	43	226

Note:

Weights listed are unit weights with packaging

Dimensions listed are unit sizes w/o packaging



SOUND RATINGS

Model	Sound Power ¹	Estimated Sound Pressure (dBA) ²		
		Approximate Distance ³		
		3.3 Feet (1 Meter)	6.6 Feet (2 Meters)	9.8 Feet (3 Meters)
BA16L18P	73	65	59	55
BA16L24P	76	68	62	58
BA16L30P	76	68	62	58
BA16L36P	76	68	62	58
BA16L41P	74	66	60	56
BA16L42P	76	68	62	58
BA16L47P	80	72	66	62
BA16L48P	78	70	64	60
BA16L59P	77	69	63	59
BA16L60P	80	72	66	62

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

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

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

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

ACCESSORIES

System Accessory	Where Used	Kit Number	Purpose
Liquid Line solenoid	All models	60M52	Prevents liquid migration to the compressor especially for high liquid riser applications
Low ambient (cooling operation)	All models	34M72	Enables cooling demand down to 30 °F. Will require freeze stat, CC heater and TXV
Compressor Short Cycle protector	All models	47J27	Delays compressor start 5-7 minutes to prevent short cycling
Hard Start	18	10J42	Scroll compressors usually do not require hard start; maybe needed for utility brown-out or low voltage areas
Hard Start	24 thru 60	88M91	
Crankcase Heater	18, 24, 30, 36	93M04	Prevents liquid migration to compressor in cold weather
Crankcase Heater	41, 42	93M05	
Crankcase Heater	47, 48, 59, 60	Factory Installed	
Sound Cover	18, 24, 30, 36, 41	14W00	Lowers compressor sound level
Sound Cover	42, 47, 48, 59, 60	14W01	
Loss of Charge Kit	All models	84M23	Protects the compressor if refrigerant charge is too low
Additional System Accessories (indoor section)			
TXV Kit	18, 24, 30	H4TXV01	TXVs provide superior refrigerant flow control, comfort and efficiency compared to pistons
	36, 41, 42, 47, 48	H4TXV02	
	59, 60	H4TXV03	
Outdoor Thermostat - electric heat	All models	10Z23	Prevents electric heat operation above specific ambient conditions
Outdoor Thermostat - Mounting box	All models	31461	Mounting box for outdoor thermostat
Freeze stat	All models	93G35	Protects the compressor at low suction pressure conditions
Over flow switch	All models	11U75	Turn the system off, if condensate water overflows due to clogged drain pipes
Blower time delay	All models	58M81	Improves system efficiency and comfort
Single point power supply	All models	21H39	Provide single power source in one junction box
Auxiliary blower relay	All models	85W66	Maybe required to select multiple indoor blower speeds

REFRIGERATION DATA

Model	Refrig. Charge (oz.) *	Piston Size	TXV	Refrigerant Line Size		Outdoor Unit Connection		Indoor Unit Connection	
				Suction	Liquid	Suction	Liquid	Suction	Liquid
BA16L18P	73	0.052	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L24P	73	0.060	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L30P	88	0.067	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L36P	113	0.072	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L41P	144	†	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L42P	140	0.081	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L47P	176	†	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L48P	156	0.083	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L59P	189	†	H4TXV03	1 1/8	3/8	7/8 **	3/8	7/8	3/8
BA16L60P	192	0.097	H4TXV03	1 1/8	3/8	7/8 **	3/8	7/8	3/8

*Factory charged for 15 feet of line set

** Adapter shipped with unit

† TXV only

COOLING PERFORMANCE WITH DTC¹

Outdoor Model	Indoor Model	Capacity (BTUH)	EER	SEER
BA16L18P	EAC4X24B	18,000	12.20	14.00
BA16L24P	EAC4X24B	24,000	12.20	14.25
BA16L30P	EAC4X30B	28,400	12.20	14.00
BA16L36P	EAC4X36B	34,000	12.20	14.25
BA16L41P	EAC4X49C	38,000	12.20	14.00
BA16L42P	EAC4X49C	40,000	12.20	14.00
BA16L47P	EAC4X60C	46,000	12.20	14.00
BA16L48P	EAC4X60C	46,000	12.20	14.00
BA16L59P	EAC4X60C	56,000	11.70	14.00
BA16L60P	EAC4X60C	58,000	11.70	14.00

¹ DTC = Designated Tested Combination

NOTE:

For the latest AHRI system matches please visit
www.AHRIdirectory.org

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Indoor 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		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts			
cfm	kBtuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBtuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBtuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBtuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	
4AC16L18P-50 - EAC4X24A																				
59°F (15°C)	525	18.3	1050	.93	1.00	1.00	17.7	1190	.95	1.00	1.00	16.9	1340	.98	1.00	1.00	16.0	1510	1.00	1.00
	660	19.7	1050	1.00	1.00	1.00	18.9	1190	1.00	1.00	1.00	18.1	1340	1.00	1.00	1.00	17.2	1510	1.00	1.00
	675	19.9	1050	1.00	1.00	1.00	19.1	1190	1.00	1.00	1.00	18.2	1340	1.00	1.00	1.00	17.2	1510	1.00	1.00
63°F (17.2°C)	525	19.0	1050	.76	.89	1.00	18.1	1190	.77	.92	1.00	17.2	1340	.79	.94	1.00	16.2	1510	.82	.97
	660	20.0	1040	.81	.97	1.00	19.0	1190	.83	.99	1.00	18.1	1340	.86	1.00	1.00	17.2	1510	.88	1.00
	675	20.0	1040	.82	.98	1.00	19.1	1190	.84	1.00	1.00	18.2	1340	.86	1.00	1.00	17.3	1510	.89	1.00
67°F (19.4°C)	525	20.0	1040	.61	.73	.86	19.1	1190	.61	.75	.88	18.2	1340	.63	.77	.91	17.1	1510	.64	.79
	660	21.0	1040	.64	.79	.94	20.0	1190	.65	.81	.96	19.1	1340	.66	.83	.99	17.9	1510	.68	1.00
	675	21.0	1040	.65	.80	.95	20.2	1190	.66	.82	.97	19.1	1340	.67	.84	.99	18.0	1510	.69	1.00
71°F (21.7°C)	525	21.2	1040	.47	.59	.71	20.2	1190	.47	.60	.72	19.2	1340	.48	.61	.74	18.1	1510	.48	.63
	660	22.2	1030	.49	.63	.77	21.2	1190	.49	.64	.79	20.0	1350	.50	.66	.81	18.9	1520	.51	.67
	675	22.2	1030	.49	.63	.77	21.2	1190	.49	.64	.79	20.0	1350	.50	.66	.81	19.0	1520	.51	.67
4AC16L24P-50 - EAC4X24B																				
59°F (15°C)	700	23.4	1360	.93	1.00	1.00	22.6	1530	.96	1.00	1.00	21.6	1730	.98	1.00	1.00	20.6	1990	1.00	1.00
	800	24.6	1340	.97	1.00	1.00	23.6	1520	.99	1.00	1.00	22.6	1730	1.00	1.00	1.00	21.4	1970	1.00	1.00
	900	25.4	1330	1.00	1.00	1.00	24.4	1510	1.00	1.00	1.00	23.4	1710	1.00	1.00	1.00	22.2	1960	1.00	1.00
63°F (17.2°C)	700	24.4	1350	.76	.90	1.00	23.2	1520	.78	.92	1.00	22.0	1730	.80	.95	1.00	20.8	1980	.82	.98
	800	25.2	1340	.79	.94	1.00	24.0	1520	.81	.96	1.00	22.8	1720	.83	.99	1.00	21.4	1970	.86	1.00
	900	25.8	1330	.82	.98	1.00	24.6	1510	.84	1.00	1.00	23.4	1710	.86	1.00	1.00	22.2	1970	.89	1.00
67°F (19.4°C)	700	26.0	1330	.60	.73	.86	24.8	1510	.62	.75	.88	23.4	1710	.63	.77	.91	22.0	1960	.64	.79
	800	26.6	1320	.63	.77	.90	25.4	1500	.63	.78	.93	24.2	1700	.65	.81	.95	22.6	1950	.67	.83
	900	27.2	1310	.64	.80	.94	26.0	1490	.66	.81	.97	24.6	1690	.67	.84	1.00	23.2	1950	.69	.87
71°F (21.7°C)	700	27.4	1310	.47	.59	.71	26.2	1490	.47	.60	.72	24.8	1690	.48	.61	.74	23.4	1940	.48	.63
	800	28.2	1300	.47	.61	.74	27.0	1470	.48	.62	.76	25.6	1680	.49	.63	.78	24.0	1930	.49	.65
	900	29.0	1290	.48	.63	.77	27.6	1470	.49	.64	.79	26.2	1670	.50	.66	.81	24.6	1910	.50	.67

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Outdoor Air Temperature Entering Outdoor Coil																										
Indoor Wet Bulb Temperature				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		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts		Total Cooling Capacity		Sensible To Total Ratio (S/T)		
		kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input
4AC16L30P-50 - EAC4X30B																										
59°F (15°C)	875	28.0	.94	1.00	1.00	1720	26.8	.97	1.00	1.00	1970	25.6	.99	1.00	1.00	2250	24.2	1.00	1.00	1.00	2250	22.4	1.00	1.00	1.00	2570
	1000	29.2	.98	1.00	1.00	1730	28.0	1.00	1.00	1.00	1980	26.8	1.00	1.00	1.00	2260	25.2	1.00	1.00	1.00	2260	23.4	1.00	1.00	1.00	2580
	1125	30.2	1.00	1.00	1.00	1730	29.0	1.00	1.00	1.00	1990	27.6	1.00	1.00	1.00	2270	26.0	1.00	1.00	1.00	2270	24.2	1.00	1.00	1.00	2590
63°F (17.2°C)	875	29.0	.77	.91	1.00	1730	27.6	.79	.93	1.00	1970	26.0	.81	.96	1.00	2260	24.4	.83	.99	1.00	2260	22.4	.87	1.00	1.00	2570
	1000	29.8	.80	.95	1.00	1730	28.4	.82	.97	1.00	1980	26.8	.84	1.00	1.00	2260	25.2	.87	1.00	1.00	2260	23.4	.91	1.00	1.00	2580
	1125	30.6	.83	.99	1.00	1740	29.2	.84	1.00	1.00	1990	27.6	.87	1.00	1.00	2270	26.0	.91	1.00	1.00	2270	24.2	.95	1.00	1.00	2590
67°F (19.4°C)	875	30.8	.61	.74	.87	1740	29.4	.62	.76	.89	1990	27.8	.63	.78	.92	2270	26.0	.65	.81	.96	2270	23.8	.67	.84	1.00	2580
	1000	31.6	.63	.77	.91	1740	30.2	.64	.79	.94	2000	28.4	.65	.81	.96	2280	26.6	.67	.85	1.00	2280	24.4	.70	.88	1.00	2590
	1125	32.4	.65	.80	.95	1750	30.8	.66	.82	.98	2010	29.0	.67	.85	1.00	2290	27.0	.70	.88	1.00	2290	24.8	.73	.93	1.00	2590
71°F (21.7°C)	875	32.6	.47	.59	.71	1750	31.2	.47	.60	.73	2000	29.4	.48	.62	.75	2290	27.6	.49	.63	.78	2290	25.4	.50	.65	.81	2610
	1000	33.6	.48	.62	.75	1760	32.0	.48	.63	.76	2010	30.2	.49	.64	.79	2300	28.2	.50	.66	.81	2300	26.0	.51	.68	.85	2620
	1125	34.2	.49	.63	.78	1770	32.8	.49	.65	.80	2020	30.8	.50	.66	.82	2310	28.8	.51	.68	.85	2310	26.6	.52	.71	.89	2630
4AC16L36P-50 - EAC4X36B																										
59°F (15°C)	1050	33.8	.92	1.00	1.00	2160	32.6	.94	1.00	1.00	2450	31.2	.96	1.00	1.00	2820	29.6	.99	1.00	1.00	2820	27.8	1.00	1.00	1.00	3300
	1200	35.2	.96	1.00	1.00	2160	34.0	.98	1.00	1.00	2460	32.6	1.00	1.00	1.00	2830	30.8	1.00	1.00	1.00	2830	28.8	1.00	1.00	1.00	3300
	1350	36.4	.99	1.00	1.00	2160	35.0	1.00	1.00	1.00	2470	33.6	1.00	1.00	1.00	2840	31.8	1.00	1.00	1.00	2840	29.6	1.00	1.00	1.00	3300
63°F (17.2°C)	1050	35.2	.75	.88	1.00	2160	33.8	.76	.90	1.00	2460	32.0	.78	.93	1.00	2820	30.2	.80	.96	1.00	2820	27.8	.82	.99	1.00	3290
	1200	36.2	.77	.92	1.00	2160	34.6	.79	.94	1.00	2450	33.0	.80	.97	1.00	2830	31.0	.83	1.00	1.00	2830	28.8	.86	1.00	1.00	3300
	1350	37.0	.80	.96	1.00	2160	35.4	.81	.98	1.00	2460	33.6	.83	1.00	1.00	2830	31.8	.86	1.00	1.00	2830	29.6	.90	1.00	1.00	3310
67°F (19.4°C)	1050	37.0	.59	.72	.85	2160	35.6	.60	.74	.87	2460	33.8	.61	.75	.89	2830	31.8	.62	.77	.92	2830	29.4	.63	.80	.96	3300
	1200	38.0	.61	.75	.89	2160	36.4	.62	.76	.91	2470	34.8	.63	.78	.93	2830	32.6	.64	.80	.97	2830	30.2	.65	.83	1.00	3300
	1350	39.0	.62	.78	.93	2170	37.2	.63	.79	.95	2470	35.4	.64	.81	.97	2830	33.2	.65	.83	1.00	2830	30.8	.68	.87	1.00	3300
71°F (21.7°C)	1050	38.5	.45	.58	.70	2160	37.0	.46	.58	.71	2470	35.2	.46	.59	.73	2840	33.4	.46	.61	.75	2840	31.0	.47	.63	.77	3320
	1200	40.0	.46	.59	.73	2170	38.0	.46	.60	.74	2480	36.4	.46	.62	.76	2850	34.2	.47	.63	.78	2850	31.6	.48	.64	.81	3320
	1350	40.5	.47	.61	.75	2170	39.0	.47	.62	.77	2480	37.0	.48	.63	.79	2860	34.8	.48	.64	.82	2860	32.2	.49	.67	.84	3330

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Outdoor Air Temperature Entering Outdoor Coil																							
Indoor Wet Bulb Temperature			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		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)						
cfm			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				
4AC16L41P-50 - EAC4X49C																							
59°F (15°C)	1225	37.4	1950	.98	1.00	1.00	1.00	2210	36.0	1.00	1.00	2500	34.4	1.00	1.00	2840	1.00	1.00	1.00	1.00			
	1400	39.0	1960	1.00	1.00	1.00	1.00	2220	37.6	1.00	1.00	2510	35.8	1.00	1.00	2850	1.00	1.00	1.00	1.00			
	1575	40.5	1970	1.00	1.00	1.00	1.00	2230	39.0	1.00	1.00	2520	37.0	1.00	1.00	2860	1.00	1.00	1.00	1.00			
63°F (17.2°C)	1225	38.5	1950	.79	.94	1.00	.97	2210	36.4	.81	.97	2500	34.6	.83	.99	2840	.86	1.00	.89	1.00			
	1400	39.5	1960	.83	.98	1.00	.85	2220	37.6	.88	.85	2510	35.8	.87	1.00	2850	.90	1.00	.94	1.00			
	1575	40.5	1970	.86	1.00	1.00	.88	2230	39.0	.91	1.00	2520	37.2	.91	1.00	2860	.94	1.00	.98	1.00			
67°F (19.4°C)	1225	40.5	1970	.63	.77	.90	.64	2230	38.5	.64	.79	.93	36.6	.65	.81	.96	.67	.83	.99	.86	1.00		
	1400	42.0	1990	.65	.80	.95	.66	2240	39.5	.68	.82	.98	37.6	.68	.84	1.00	.69	.87	1.00	.72	.91		
	1575	43.0	2000	.67	.83	.99	.68	2250	40.5	.70	.88	1.00	38.5	.70	.88	1.00	.72	.92	1.00	.75	.96		
71°F (21.7°C)	1225	42.5	1990	.47	.61	.74	.48	2250	40.5	.49	.62	.76	38.5	.49	.64	.78	.50	.65	.81	.49	.67	.84	
	1400	44.0	2010	.49	.63	.77	.49	2270	42.0	.50	.65	.79	39.5	.50	.66	.82	.51	.68	.85	.52	.70	.88	
	1575	45.0	2020	.50	.66	.81	.50	2280	43.0	.51	.67	.83	40.5	.51	.69	.85	.52	.71	.89	.54	.73	.93	
4AC16L42P-50 - EAC4X49C																							
59°F (15°C)	1225	40.5	2340	.94	1.00	1.00	1.00	2640	39.0	.97	1.00	1.00	37.2	2950	.99	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
	1400	42.0	2350	.99	1.00	1.00	1.00	2640	40.5	1.00	1.00	1.00	39.0	2960	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
	1575	43.5	2350	1.00	1.00	1.00	1.00	2650	42.0	1.00	1.00	1.00	40.0	2950	1.00	1.00	1.00	1.00	1.00	1.00	1.00		
63°F (17.2°C)	1225	41.5	2350	.77	.91	1.00	.93	2640	40.0	.79	.93	1.00	37.8	2950	.81	.96	1.00	.99	1.00	.86	1.00	1.00	
	1400	43.0	2350	.80	.95	1.00	.98	2640	41.0	.82	.98	1.00	39.0	2960	.84	1.00	1.00	.87	1.00	.90	1.00		
	1575	44.0	2350	.83	.99	1.00	1.00	2640	42.0	.85	1.00	1.00	40.0	2960	.88	1.00	1.00	.91	1.00	.94	1.00		
67°F (19.4°C)	1225	44.0	2350	.61	.75	.88	.63	2640	42.0	.63	.76	.90	40.0	2950	.64	.78	.93	.65	.81	.96	.67	.83	.99
	1400	45.5	2360	.64	.78	.92	.65	2650	43.0	.67	.80	.94	41.0	2950	.66	.82	.97	.68	.85	.70	.88	1.00	
	1575	46.5	2360	.65	.81	.96	.67	2650	44.0	.67	.83	.98	42.0	2950	.68	.85	1.00	.70	.88	.72	.92	1.00	
71°F (21.7°C)	1225	46.0	2360	.47	.60	.72	.47	2650	44.0	.47	.61	.74	42.0	2950	.48	.62	.76	.49	.64	.78	.50	.66	.81
	1400	47.5	2360	.48	.62	.75	.49	2650	45.5	.49	.63	.77	43.0	2950	.50	.65	.80	.50	.66	.82	.52	.69	.85
	1575	48.5	2360	.49	.64	.79	.50	2640	46.5	.50	.65	.81	44.0	2950	.50	.67	.83	.50	.69	.86	.52	.71	.90

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Outdoor Air Temperature Entering Outdoor Coil																												
Indoor Wet Bulb Temperature				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		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity		Sensible To Total Ratio (S/T)		
kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	kBTuh	75°F 23.9°C		80°F 26.7°C	85°F 29.4°C	Input	kBTuh		75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input		kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C		Input	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C
4AC16L47P-50 - EAC4X60C																												
59°F (15°C)	1400	46.0	2480	.95	1.00	1.00	.97	1.00	1.00	42.5	3180	.99	1.00	1.00	40.5	3590	1.00	1.00	1.00	38.5	4060	1.00	1.00	1.00	1.00			
	1600	48.0	2480	.99	1.00	1.00	1.00	1.00	1.00	44.5	3180	1.00	1.00	1.00	42.0	3590	1.00	1.00	1.00	39.5	4060	1.00	1.00	1.00	1.00			
	1800	50.0	2480	1.00	1.00	1.00	1.00	1.00	1.00	45.5	3180	1.00	1.00	1.00	43.5	3590	1.00	1.00	1.00	41.0	4050	1.00	1.00	1.00	1.00			
63°F (17.2°C)	1400	47.5	2480	.77	.91	1.00	.79	.94	1.00	43.0	3180	.81	.96	1.00	40.5	3590	.83	.99	1.00	38.0	4060	.85	1.00	1.00	1.00			
	1600	49.0	2480	.81	.96	1.00	.82	.98	1.00	44.5	3180	.84	1.00	1.00	42.0	3600	.86	1.00	1.00	40.0	4060	.89	1.00	1.00	1.00			
	1800	50.0	2470	.84	1.00	1.00	.85	1.00	1.00	46.0	3180	.88	1.00	1.00	43.5	3600	.90	1.00	1.00	41.0	4060	.94	1.00	1.00	1.00			
67°F (19.4°C)	1400	50.0	2480	.61	.75	.88	.63	.77	.90	45.5	3190	.64	.78	.92	43.0	3590	.65	.80	.95	40.0	4050	.67	.83	.99	.99			
	1600	51.5	2480	.64	.78	.92	.65	.80	.95	46.5	3180	.66	.82	.97	44.0	3600	.67	.84	1.00	41.5	4060	.69	.87	1.00	1.00			
	1800	52.5	2480	.66	.81	.97	.67	.83	.99	47.5	3190	.68	.85	1.00	45.0	3600	.70	.88	1.00	42.0	4060	.71	.91	1.00	1.00			
71°F (21.7°C)	1400	52.5	2480	.47	.60	.72	.47	.61	.74	48.0	3190	.48	.62	.76	45.0	3590	.49	.64	.78	42.5	4060	.50	.65	.80	.80			
	1600	54.0	2480	.48	.62	.76	.49	.63	.78	49.0	3190	.49	.65	.79	46.0	3600	.50	.65	.82	43.5	4050	.50	.68	.85	.85			
	1800	55.0	2470	.49	.62	.79	.50	.66	.81	50.0	3190	.50	.67	.83	47.0	3610	.51	.68	.86	44.0	4060	.52	.70	.89	.89			
4AC16L48P-50 - EAC4X60C																												
59°F (15°C)	1400	46.0	2520	.95	1.00	1.00	.97	1.00	1.00	42.5	3230	.99	1.00	1.00	40.5	3650	1.00	1.00	1.00	38.0	4110	1.00	1.00	1.00	1.00			
	1600	48.0	2520	.99	1.00	1.00	1.00	1.00	1.00	44.0	3230	1.00	1.00	1.00	42.0	3640	1.00	1.00	1.00	39.5	4120	1.00	1.00	1.00	1.00			
	1800	49.5	2520	1.00	1.00	1.00	1.00	1.00	1.00	45.5	3230	1.00	1.00	1.00	43.5	3660	1.00	1.00	1.00	41.0	4120	1.00	1.00	1.00	1.00			
63°F (17.2°C)	1400	47.5	2520	.77	.91	1.00	.79	.94	1.00	43.0	3230	.81	.96	1.00	40.5	3650	.83	.99	1.00	38.0	4120	.86	1.00	1.00	1.00			
	1600	48.5	2520	.81	.96	1.00	.83	.99	1.00	44.0	3230	.85	1.00	1.00	42.0	3650	.87	1.00	1.00	40.0	4120	.90	1.00	1.00	1.00			
	1800	50.0	2530	.84	1.00	1.00	.86	1.00	1.00	45.5	3240	.88	1.00	1.00	43.5	3660	.91	1.00	1.00	41.0	4120	.95	1.00	1.00	1.00			
67°F (19.4°C)	1400	50.0	2520	.61	.75	.88	.63	.77	.90	45.5	3230	.64	.79	.93	43.0	3660	.65	.81	.96	40.0	4110	.66	.83	.99	.99			
	1600	51.5	2520	.64	.79	.93	.65	.80	.95	46.5	3240	.66	.82	.98	44.0	3650	.68	.85	1.00	41.0	4120	.69	.88	1.00	1.00			
	1800	52.5	2520	.66	.82	.97	.66	.84	1.00	47.5	3240	.68	.86	1.00	45.0	3660	.70	.89	1.00	42.0	4120	.72	.92	1.00	1.00			
71°F (21.7°C)	1400	52.5	2530	.47	.60	.72	.47	.61	.74	48.0	3250	.48	.62	.76	45.0	3660	.49	.64	.78	42.5	4120	.50	.65	.81	.81			
	1600	54.0	2530	.48	.63	.76	.49	.64	.78	49.0	3250	.49	.65	.80	46.0	3670	.50	.66	.82	43.0	4120	.51	.68	.85	.85			
	1800	55.5	2530	.49	.65	.80	.50	.66	.81	50.0	3250	.50	.67	.84	47.0	3670	.51	.69	.86	44.0	4120	.52	.71	.90	.90			

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

Indoor 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		Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts								
	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtuh	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C							
4AC16L59P-50 - EAC4X60C																									
59°F (15°C)	1575	55.0	.92	1.00	1.00	53.0	3790	.94	1.00	1.00	50.5	4290	.96	1.00	1.00	48.0	4840	.99	1.00	1.00	45.5	5420	1.00	1.00	1.00
	1800	57.5	.96	1.00	1.00	55.0	3790	.98	1.00	1.00	53.0	4280	1.00	1.00	1.00	50.5	4840	1.00	1.00	1.00	47.5	5440	1.00	1.00	1.00
	2025	59.5	1.00	1.00	1.00	57.0	3790	1.00	1.00	1.00	55.0	4280	1.00	1.00	1.00	52.0	4850	1.00	1.00	1.00	49.0	5440	1.00	1.00	1.00
63°F (17.2°C)	1575	57.0	.75	.88	1.00	54.5	3790	.77	.90	1.00	52.0	4290	.78	.93	1.00	49.0	4850	.80	.96	1.00	45.5	5420	.83	.99	1.00
	1800	58.5	.78	.93	1.00	56.0	3790	.80	.95	1.00	53.5	4290	.82	.97	1.00	50.5	4850	.84	1.00	1.00	47.5	5420	.87	1.00	1.00
	2025	60.0	.81	.97	1.00	57.5	3780	.83	.99	1.00	55.0	4290	.85	1.00	1.00	52.0	4840	.87	1.00	1.00	49.0	5450	.91	1.00	1.00
67°F (19.4°C)	1575	60.5	.60	.73	.85	58.0	3780	.61	.74	.87	55.0	4290	.62	.76	.89	52.0	4850	.63	.78	.92	48.5	5430	.65	.81	.96
	1800	62.0	.62	.76	.89	59.5	3780	.63	.77	.91	56.5	4290	.64	.79	.94	53.5	4840	.66	.82	.97	49.5	5430	.68	.85	1.00
	2025	63.5	.64	.79	.93	60.5	3780	.65	.80	.96	57.5	4290	.66	.82	.98	54.5	4840	.68	.85	1.00	50.5	5430	.70	.89	1.00
71°F (21.7°C)	1575	63.5	.46	.59	.70	61.0	3780	.47	.59	.72	58.0	4290	.47	.60	.73	55.0	4850	.48	.62	.75	51.0	5450	.49	.64	.78
	1800	65.5	.47	.60	.73	62.5	3790	.47	.61	.75	59.5	4290	.48	.63	.77	56.5	4860	.49	.64	.79	52.5	5450	.50	.66	.82
	2025	67.0	.48	.62	.76	64.0	3790	.49	.64	.78	61.0	4300	.49	.65	.80	57.5	4860	.50	.67	.83	53.5	5450	.51	.69	.86
4AC16L60P-50 - EA(C;U)1P60C+H4TXV03+45 SEC BLOWER DELAY																									
59°F (15°C)	1575	55.5	.89	1.00	1.00	53.5	3940	.91	1.00	1.00	51.5	4440	.94	1.00	1.00	49.0	5010	.96	1.00	1.00	46.0	5710	.99	1.00	1.00
	1800	58.0	.93	1.00	1.00	56.0	3940	.95	1.00	1.00	53.5	4430	.98	1.00	1.00	51.0	5010	1.00	1.00	1.00	48.0	5700	1.00	1.00	1.00
	2025	60.5	.97	1.00	1.00	58.0	3940	.99	1.00	1.00	55.5	4430	1.00	1.00	1.00	53.0	5010	1.00	1.00	1.00	50.0	5700	1.00	1.00	1.00
63°F (17.2°C)	1575	58.5	.73	.86	.98	56.0	3940	.74	.88	1.00	53.0	4430	.76	.90	1.00	50.0	5000	.78	.93	1.00	47.0	5710	.80	.96	1.00
	1800	60.0	.75	.90	1.00	57.5	3940	.77	.92	1.00	54.5	4430	.79	.94	1.00	51.5	5010	.81	.97	1.00	48.5	5700	.84	1.00	1.00
	2025	61.5	.78	.94	1.00	59.0	3940	.80	.96	1.00	56.0	4440	.82	.98	1.00	53.0	5000	.84	1.00	1.00	49.5	5700	.87	1.00	1.00
67°F (19.4°C)	1575	62.0	.58	.71	.83	59.0	3940	.59	.72	.85	56.0	4430	.60	.73	.87	53.0	5010	.61	.75	.89	49.5	5700	.62	.78	.93
	1800	63.5	.60	.73	.86	60.5	3940	.60	.75	.89	58.0	4430	.62	.76	.91	54.5	5010	.63	.79	.94	51.0	5690	.64	.81	.97
	2025	65.0	.61	.76	.90	62.0	3940	.63	.78	.93	59.0	4430	.63	.79	.95	55.5	5000	.65	.82	.98	52.0	5690	.67	.85	1.00
71°F (21.7°C)	1575	65.0	.44	.57	.68	62.5	3940	.45	.57	.69	59.0	4430	.45	.58	.71	56.0	5010	.46	.59	.73	52.5	5690	.46	.61	.75
	1800	67.0	.45	.58	.71	64.0	3930	.45	.59	.72	61.0	4430	.46	.60	.74	57.5	5010	.46	.62	.76	54.0	5690	.47	.63	.79
	2025	68.5	.46	.60	.74	65.5	3930	.46	.61	.75	62.0	4430	.47	.62	.77	58.5	5010	.47	.64	.80	55.0	5690	.48	.66	.83



All specifications and illustrations subject to change without notice and without incurring obligations.

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