

BA16

PRODUCT SPECIFICATIONS



16 SEER SPLIT
SYSTEM AIR CONDITIONER

FORM NO. 4AC16L-100 (08/2023)



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

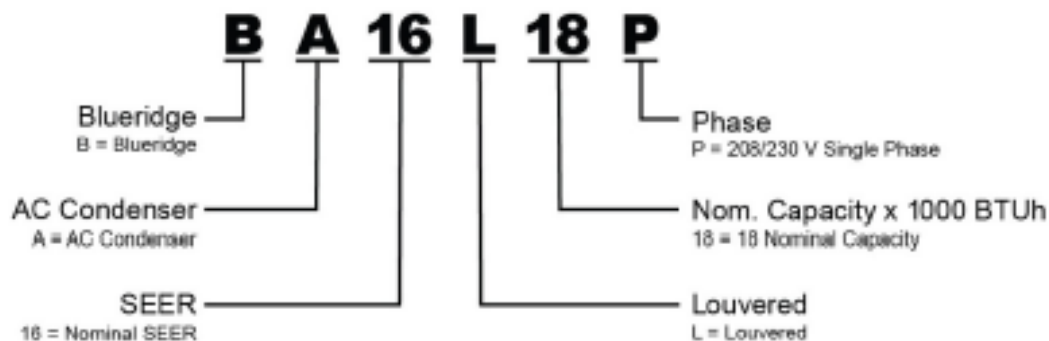
10 year limited warranty on all parts, extended warranty available*

**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	12	20	9	56.3	0.7	1/10	1075
BA16L24P	208-230/60/1	197-253	14.6	25	10.9	62.9	1	1/6	825
BA16L30P	208-230/60/1	197-253	17	25	12.8	67	1	1/6	825
BA16L36P	208-230/60/1	197-253	18.8	30	14.2	80.6	1	1/6	825
BA16L41P	208-230/60/1	197-253	18	30	13.6	80.2	1	1/6	825
BA16L42P	208-230/60/1	197-253	21.9	35	16.7	109	1	1/6	825
BA16L47P	208-230/60/1	197-253	22.9	35	16.9	94	1.8	1/3	825
BA16L48P	208-230/60/1	197-253	24.8	40	18.5	124	1.7	1/4	825
BA16L59P	208-230/60/1	197-253	28.8	45	20.8	127.1	2.8	1/3	V Spd
BA16L60P	208-230/60/1	197-253	29.6	50	22.2	127.9	1.8	1/3	825

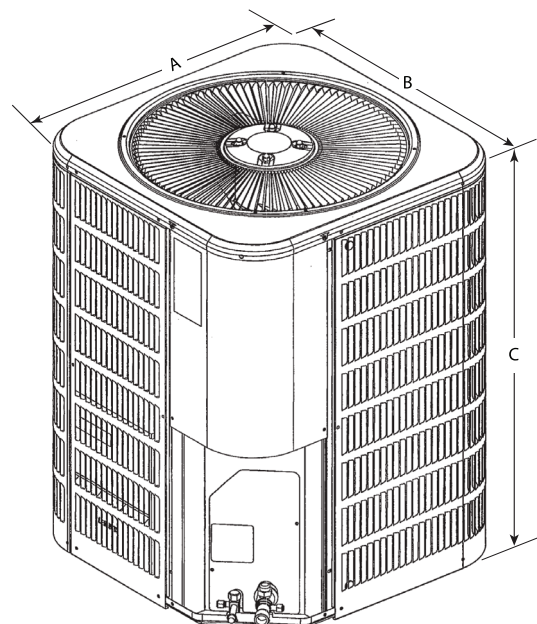
UNIT DIMENSIONS (IN.)

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	208
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	BGH4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L24P	73	0.060	BGH4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L30P	88	0.067	BGH4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
BA16L36P	113	0.072	BGH4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L41P	144	†	BGH4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L42P	140	0.081	BGH4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L47P	176	†	BGH4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L48P	156	0.083	BGH4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
BA16L59P	189	†	BGH4TXV03	1 1/8	3/8	7/8 **	3/8	7/8	3/8
BA16L60P	192	0.097	BGH4TXV03	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	BC4X24B	18,000	12.20	14.00
BA16L24P	BC4X24B	24,000	12.20	14.25
BA16L30P	BC4X30B	28,400	12.20	14.00
BA16L36P	BC4X36B	34,000	12.20	14.25
BA16L41P	BC4X49C	38,000	12.20	14.00
BA16L42P	BC4X49C	40,000	12.20	14.00
BA16L47P	BC4X60C	46,000	12.20	14.00
BA16L48P	BC4X60C	46,000	12.20	14.00
BA16L59P	BC4X60C	56,000	11.70	14.00
BA16L60P	BC4X60C	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

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)		Comp. Motor Watts	Total Cooling Capacity	Sensible To Total Ratio (S/T)		Comp. Motor Watts	Total Cooling Capacity				
cfm		kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBtu/h	
4AC16L18P-50 - EAC4X24A																																	
59°F (15°C)	525	18.3	1050	.93	1.00	1.00	177	1190	.95	1.00	1.00	16.9	1340	.98	1.00	1.00	16.0	1510	1.00	1.00	1.00	15.1	1700	1.00	1.00	1.00	1700	1.00	1.00	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	1.00	16.1	1700	1.00	1.00	1.00	1700	1.00	1.00	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	1.00	16.2	1700	1.00	1.00	1.00	1700	1.00	1.00	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	1.00	15.1	1700	.84	1.00	1.00	1700	.84	1.00	1.00	1.00	1.00	
	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	1.00	16.1	1700	.92	1.00	1.00	1700	.92	1.00	1.00	1.00	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	1.00	16.2	1700	.92	1.00	1.00	1700	.92	1.00	1.00	1.00	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	.94	16.0	1700	.66	.82	.97	1700	.66	.82	.97	.82	.97	
	660	21.0	1040	.64	.79	.94	20.0	1190	.65	.81	.96	19.1	1340	.66	.83	.99	17.9	1510	.68	.86	1.00	16.7	1710	.70	.89	1.00	1710	.70	.89	1.00	1.00	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	.86	1.00	16.8	1710	.71	.90	1.00	1710	.71	.90	1.00	1.00	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	.77	16.9	1710	.49	.64	.79	1710	.49	.64	.79	.64	.79	
	660	22.2	1030	.49	.63	.77	21.2	1190	.49	.64	.79	20.0	1350	.50	.66	.81	18.9	1520	.51	.67	.83	17.6	1710	.52	.69	.86	1710	.52	.69	.86	.69	.86	
	675	22.2	1030	.49	.63	.77	21.2	1190	.49	.64	.79	20.0	1350	.50	.66	.81	19.0	1520	.51	.67	.84	17.7	1710	.51	.69	.87	1710	.51	.69	.87	.69	.87	
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	1.00	19.3	2320	1.00	1.00	1.00	2320	1.00	1.00	1.00	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	1.00	20.0	2300	1.00	1.00	1.00	2300	1.00	1.00	1.00	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	1.00	20.8	2290	1.00	1.00	1.00	2290	1.00	1.00	1.00	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	1.00	19.3	2310	.85	1.00	1.00	2310	.85	1.00	1.00	1.00	1.00	1.00
	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	1.00	20.2	2300	.89	1.00	1.00	2300	.89	1.00	1.00	1.00	1.00	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	1.00	20.8	2280	.93	1.00	1.00	2280	.93	1.00	1.00	1.00	1.00	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	.94	20.6	2300	.66	.82	.98	2300	.66	.82	.98	.82	.98	
	800	26.6	1320	.63	.77	.90	25.4	1500	.63	.78	.93	24.2	1700	.65	.81	.95	22.6	1950	.67	.83	.99	21.0	2280	.68	.86	1.00	2280	.68	.86	1.00	1.00	1.00	1.00
	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	1.00	21.4	2280	.71	.90	1.00	2280	.71	.90	1.00	1.00	1.00	1.00
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	.77	21.8	2260	.49	.64	.79	2260	.49	.64	.79	.64	.79	
	800	28.2	1300	.47	.61	.74	27.0	1470	.48	.62	.76	25.6	1680	.49	.63	.78	24.0	1930	.49	.65	.80	22.4	2250	.50	.67	.83	2250	.50	.67	.83	.67	.83	
	900	29.0	1290	.48	.63	.77	27.6	1470	.49	.64	.79	26.2	1670	.50	.66	.81	24.6	1910	.50	.67	.84	22.8	2250	.52	.70	.87	2250	.52	.70	.87	.70	.87	

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					
cfm			kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	kBTuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C						
4AC16L30P-50 - EAC4X30B																								
59°F (15°C)	875	28.0	1510	.94	1.00	1.00	26.8	1720	.97	1.00	1.00	25.6	1970	.99	1.00	1.00	22.4	2570	1.00	1.00	1.00			
	1000	29.2	1510	.98	1.00	1.00	28.0	1730	1.00	1.00	1.00	26.8	1980	1.00	1.00	1.00	23.4	2580	1.00	1.00	1.00			
	1125	30.2	1510	1.00	1.00	1.00	29.0	1730	1.00	1.00	1.00	27.6	1990	1.00	1.00	1.00	24.2	2590	1.00	1.00	1.00			
63°F (17.2°C)	875	29.0	1510	.77	.91	1.00	27.6	1730	.79	.93	1.00	26.0	1970	.81	.96	1.00	22.4	2570	.87	1.00	1.00			
	1000	29.8	1510	.80	.95	1.00	28.4	1730	.82	.97	1.00	26.8	1980	.84	1.00	1.00	23.4	2580	.91	1.00	1.00			
	1125	30.6	1520	.83	.99	1.00	29.2	1740	.84	1.00	1.00	27.6	1990	.87	1.00	1.00	24.2	2590	.95	1.00	1.00			
67°F (19.4°C)	875	30.8	1520	.61	.74	.87	29.4	1740	.62	.76	.89	27.8	1990	.63	.78	.92	26.0	2570	.67	.84	1.00			
	1000	31.6	1520	.63	.77	.91	30.2	1740	.64	.79	.94	28.4	1990	.65	.81	.96	26.6	2580	.70	.88	1.00			
	1125	32.4	1530	.65	.80	.95	30.8	1750	.66	.82	.98	29.0	1990	.67	.85	1.00	27.0	2590	.73	.93	1.00			
71°F (21.7°C)	875	32.6	1530	.47	.59	.71	31.2	1750	.47	.60	.73	29.4	2000	.48	.62	.75	27.6	2590	.49	.63	.81			
	1000	33.6	1540	.48	.62	.75	32.0	1760	.48	.63	.76	30.2	2010	.49	.64	.79	28.2	2620	.51	.68	.85			
	1125	34.2	1540	.49	.63	.78	32.8	1770	.49	.65	.80	30.8	2020	.50	.66	.82	28.8	2630	.52	.71	.90			
4AC16L36P-50 - EAC4X36B																								
59°F (15°C)	1050	33.8	1910	.92	1.00	1.00	32.6	2160	.94	1.00	1.00	31.2	2450	.96	1.00	1.00	29.6	2820	.99	1.00	1.00	1.00		
	1200	35.2	1900	.96	1.00	1.00	34.0	2160	.98	1.00	1.00	32.6	2460	1.00	1.00	1.00	30.8	2830	1.00	1.00	1.00	1.00		
	1350	36.4	1900	.99	1.00	1.00	35.0	2160	1.00	1.00	1.00	33.6	2460	1.00	1.00	1.00	31.8	2830	1.00	1.00	1.00	1.00		
63°F (17.2°C)	1050	35.2	1900	.75	.88	1.00	33.8	2160	.76	.90	1.00	32.0	2460	.78	.93	1.00	30.2	2820	.80	.96	1.00	.99	1.00	
	1200	36.2	1900	.77	.92	1.00	34.6	2160	.79	.94	1.00	33.0	2450	.80	.97	1.00	31.0	2830	.83	1.00	.86	1.00	1.00	
	1350	37.0	1900	.80	.96	1.00	35.4	2160	.81	.98	1.00	33.6	2460	.83	1.00	1.00	31.8	2830	.86	1.00	.90	1.00	1.00	
67°F (19.4°C)	1050	37.0	1900	.59	.72	.85	35.6	2160	.60	.74	.87	33.8	2460	.61	.75	.89	31.8	2830	.62	.77	.92	.63	.80	.96
	1200	38.0	1900	.61	.75	.89	36.4	2160	.62	.76	.91	34.8	2470	.63	.78	.93	32.6	2830	.64	.80	.97	.65	.83	1.00
	1350	39.0	1900	.62	.78	.93	37.2	2170	.63	.79	.95	35.4	2470	.64	.81	.97	33.2	2830	.65	.83	1.00	.68	.87	1.00
71°F (21.7°C)	1050	38.5	1900	.45	.58	.70	37.0	2160	.46	.58	.71	35.2	2470	.46	.59	.73	33.4	2840	.46	.61	.75	.63	.77	.81
	1200	40.0	1900	.46	.59	.73	38.0	2170	.46	.60	.74	36.4	2480	.46	.62	.76	34.2	2850	.47	.63	.78	.64	.81	.84
	1350	40.5	1910	.47	.61	.75	39.0	2170	.47	.62	.77	37.0	2480	.48	.63	.79	34.8	2860	.48	.64	.82	.67	.84	.84

COOLING PERFORMANCE EXTENDED RATINGS

Note: Shaded area is AHRI Rating Conditions

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)					
Indoor Wet Bulb Temperature	Total Air Volume		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	Sensible To Total Ratio (S/T)			
	kBTuh	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		
	cfm	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	kBTuh	Input	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	36.0	2210	1.00	1.00	34.4	2500	1.00	1.00	32.8	2840	1.00	1.00	30.8	3250	1.00	1.00
	1400	39.0	1960	1.00	1.00	37.6	2220	1.00	1.00	35.8	2510	1.00	1.00	34.0	2850	1.00	1.00	32.0	3260	1.00	1.00
	1575	40.5	1970	1.00	1.00	39.0	2230	1.00	1.00	37.0	2520	1.00	1.00	35.2	2860	1.00	1.00	33.0	3260	1.00	1.00
63°F (17.2°C)	1225	38.5	1950	.79	.94	36.4	2210	.81	.97	34.6	2500	.83	.99	32.6	2840	.86	1.00	30.8	3250	.89	1.00
	1400	39.5	1960	.83	.98	37.6	2220	.85	1.00	35.8	2510	.87	1.00	34.0	2850	.90	1.00	32.0	3260	.94	1.00
	1575	40.5	1970	.86	1.00	39.0	2230	.88	1.00	37.2	2520	.91	1.00	35.2	2860	.94	1.00	33.0	3270	.98	1.00
67°F (19.4°C)	1225	40.5	1970	.63	.77	38.5	2230	.64	.79	36.6	2520	.65	.81	34.4	2850	.67	.83	32.0	3260	.69	1.00
	1400	42.0	1990	.65	.80	39.5	2240	.66	.82	37.6	2530	.68	.84	35.4	2860	.69	.87	32.8	3260	.72	.91
	1575	43.0	2000	.67	.83	40.5	2250	.68	.86	38.5	2530	.70	.88	36.0	2870	.72	.92	33.6	3270	.75	.96
71°F (21.7°C)	1225	42.5	1990	.47	.61	40.5	2250	.48	.62	38.5	2540	.49	.64	36.4	2870	.50	.65	34.0	3270	.49	.67
	1400	44.0	2010	.49	.63	42.0	2270	.49	.65	39.5	2550	.50	.66	37.4	2880	.51	.68	34.8	3280	.52	.70
	1575	45.0	2020	.50	.66	43.0	2280	.50	.67	40.5	2560	.51	.69	38.0	2890	.52	.71	35.4	3290	.54	.73
4AC16L42P-50 - EAC4X49C																					
59°F (15°C)	1225	40.5	2340	.94	1.00	39.0	2640	.97	1.00	37.2	2950	.99	1.00	35.4	3320	1.00	1.00	33.6	3770	1.00	1.00
	1400	42.0	2350	.99	1.00	40.5	2640	1.00	1.00	39.0	2960	1.00	1.00	36.8	3320	1.00	1.00	34.8	3760	1.00	1.00
	1575	43.5	2350	1.00	1.00	42.0	2650	1.00	1.00	40.0	2950	1.00	1.00	38.0	3310	1.00	1.00	35.8	3760	1.00	1.00
63°F (17.2°C)	1225	41.5	2350	.77	.91	40.0	2640	.79	.93	37.8	2950	.81	.96	35.6	3310	.83	.99	33.4	3760	.86	1.00
	1400	43.0	2350	.80	.95	41.0	2640	.82	.98	39.0	2960	.84	1.00	36.8	3320	.87	1.00	34.8	3760	.90	1.00
	1575	44.0	2350	.83	.99	42.0	2640	.85	1.00	40.0	2960	.88	1.00	38.0	3310	.91	1.00	35.8	3750	.94	1.00
67°F (19.4°C)	1225	44.0	2350	.61	.75	42.0	2640	.63	.76	40.0	2950	.64	.78	37.4	3310	.65	.81	35.2	3750	.67	.83
	1400	45.5	2360	.64	.78	43.0	2650	.65	.80	41.0	2950	.66	.82	38.5	3310	.68	.85	36.0	3750	.70	.88
	1575	46.5	2360	.65	.81	44.0	2650	.67	.83	42.0	2950	.68	.85	39.0	3300	.70	.88	36.6	3740	.72	.92
71°F (21.7°C)	1225	46.0	2360	.47	.60	44.0	2650	.47	.61	42.0	2950	.48	.62	39.5	3300	.49	.64	37.0	3740	.50	.66
	1400	47.5	2360	.48	.62	45.5	2650	.49	.63	43.0	2950	.50	.65	40.5	3300	.50	.66	37.8	3730	.52	.69
	1575	48.5	2360	.49	.64	46.5	2640	.50	.65	44.0	2950	.50	.67	41.0	3290	.50	.69	38.5	3720	.52	.71

Note: Shaded area is AHRI Rating Conditions

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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	Sensible To Total Ratio (S/T)									
Total Air Volume	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C								
cfm	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh	kBtuh							
59°F (15°C)	1575	55.0	3360	.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	1.00
	1800	57.5	3350	.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	3350	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	3350	.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	3350	.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	3340	.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	3340	.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	3340	.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	3340	.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	3340	.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	3340	.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	3340	.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	
4AC16L59P-50 - EAC4X60C																											
59°F (15°C)	1575	55.5	3510	.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	3500	.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	3500	.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	3500	.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	3500	.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	3500	.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	3500	.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	3490	.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	3490	.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	3490	.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	3490	.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	3480	.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	
4AC16L60P-50 - EA(C;U)IP60C+H4TXV03+45 SEC BLOWER DELAY																											



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

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