

4SCU14LB

PRODUCT SPECIFICATIONS

SPLIT SYSTEM AIR CONDITIONER
UP TO 16 SEER

FORM NO. 4SCU14LB-100 (09/2019)



COMPRESSOR

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

CABINET

- Full metal louvered panel with 2 screws to remove for ease of coil cleaning and service
- Corner-mounted controls for easy service
- Rounded corners for safety and attractive, clean appearance
- Baked polyester paint finished over galvanized steel for maximum durability
- Removable PVC coated wire fan discharge grill
- External gauge ports 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

- 45-degree offset gauge ports for easy service
- Factory installed high pressure switches
- 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*

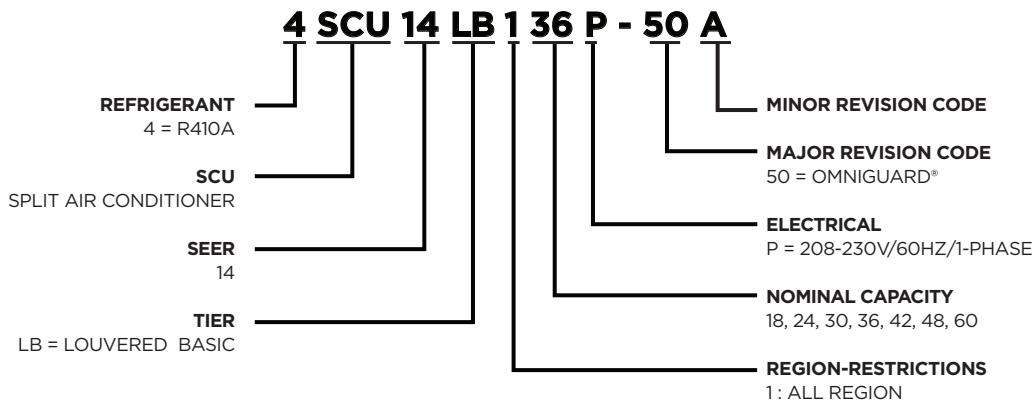
**Warranty provides for a total of 10 years of limited warranty coverage (Standard 5-year limited parts warranty plus an additional 5-year limited extended parts warranty). Warranty must be registered online within 60 days of installation to qualify for 10-year coverage. Unregistered equipment defaults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

NOTE:

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



MODEL NUMBER GUIDE



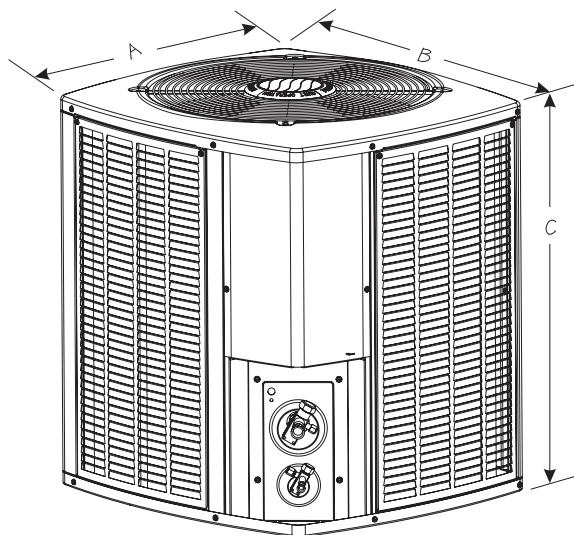
PHYSICAL AND ELECTRICAL DATA

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
4SCU14LB118P-50	208-230/60/1	197-253	11.9	20	9.0	48	0.7	1/10	1075
4SCU14LB124P-50	208-230/60/1	197-253	14.6	25	10.9	52	1.0	1/6	825
4SCU14LB130P-50	208-230/60/1	197-253	17	25	12.8	63	1.0	1/6	825
4SCU14LB136P-50	208-230/60/1	197-253	18	30	13.6	79	1.0	1/6	825
4SCU14LB142P-50	208-230/60/1	197-253	23.4	40	17.9	112	1.0	1/6	825
4SCU14LB148P-50	208-230/60/1	197-253	24.2	40	18.0	94	1.7	1/4	825
4SCU14LB160P-50	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	
4SCU14LB118P-50	24.75	26.75	29.75	155
4SCU14LB124P-50	29.38	31.25	29.75	171
4SCU14LB130P-50	29.38	31.25	37.75	187
4SCU14LB136P-50	29.38	31.25	29.75	205
4SCU14LB142P-50	29.38	31.25	37.75	234
4SCU14LB148P-50	29.38	31.25	37.75	255
4SCU14LB160P-50	35.75	37.75	43.75	284

Note:
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)
4SCU14LB118P-50	72	64	58	54
4SCU14LB124P-50	78	70	64	60
4SCU14LB130P-50	76	68	62	58
4SCU14LB136P-50	78	70	64	60
4SCU14LB142P-50	78	70	64	60
4SCU14LB148P-50	77	69	63	59
4SCU14LB160P-50	78	70	64	60

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	42	93M05	
Crankcase Heater	48, 60	Factory Installed	
Sound Cover	18, 24, 30, 36	14W00	Lowers compressor sound level
Sound Cover	42, 48, 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, 42, 48	H4TXV02	
	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
4SCU14LB118P-50	73	0.052	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4SCU14LB124P-50	73	0.060	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4SCU14LB130P-50	100	0.067	H4TXV01	3/4	3/8	3/4	3/8	3/4	3/8
4SCU14LB136P-50	113	0.072	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SCU14LB142P-50	140	0.081	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SCU14LB148P-50	156	0.083	H4TXV02	7/8	3/8	7/8	3/8	7/8	3/8
4SCU14LB160P-50	192	0.097	H4TXV03	11/8	3/8	7/8**	3/8	7/8	3/8

* Factory charged for 15 feet of line set

** Adapter shipped with unit

COOLING PERFORMANCE WITH DTC¹

Outdoor Model	Indoor Model	Capacity (BTUH)	EER	SEER
4SCU14LB118P-50	EAC4X24B	18,000	12.20	14.00
4SCU14LB124P-50	EAC4X24B	24,000	12.20	14.25
4SCU14LB130P-50	EAC4X30B	28,400	12.20	14.25
4SCU14LB136P-50	EAC4X36B	34,200	12.20	14.50
4SCU14LB142P-50	EAC4X49C	40,000	12.20	14.25
4SCU14LB148P-50	EAC4X60C	46,000	12.20	14.25
4SCU14LB160P-50	EAC4X60C	57,000	11.70	14.00

¹ DTC = Designated Tested Combination

NOTE:

For the latest AHRI system matches please visit www.alliedratings.com or 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			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		
		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	Input	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	Input	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	Input	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	Input		
59°F (15°C)		525	17.9	1090	.93	1.00	1.00	.95	1.00	1.00	17.2	1240	.95	1.00	1.00	1400	.98	1.00	1.00	15.4	1570	1.00	1.00	1.00	1780	1.00	1.00	1.00	14.4	1780	1.00	1.00	1.00	
		600	18.7	1080	.97	1.00	1.00	.99	1.00	1.00	17.9	1230	.99	1.00	1.00	1400	1.00	1.00	1.00	16.1	1580	1.00	1.00	1.00	1780	1.00	1.00	1.00	15.0	1780	1.00	1.00	1.00	
63°F (17.2°C)		675	19.4	1080	1.00	1.00	1.00	1.00	1.00	18.6	1230	1.00	1.00	1.00	1400	1.00	1.00	1.00	16.7	1580	1.00	1.00	1.00	1780	1.00	1.00	1.00	15.6	1780	1.00	1.00	1.00		
		525	18.6	1080	.76	.89	1.00	.77	.92	1.00	17.6	1230	.77	.92	1.00	1400	.79	.95	1.00	15.6	1580	.82	.98	1.00	1780	.86	1.00	1.00	14.4	1780	.86	1.00	1.00	
67°F (19.4°C)		600	19.2	1080	.79	.93	1.00	.81	.96	1.00	18.2	1230	.81	.96	1.00	1400	.83	.99	1.00	16.1	1580	.86	1.00	1.00	1780	.90	1.00	1.00	15.1	1780	.90	1.00	1.00	
		675	19.7	1080	.82	.98	1.00	.84	1.00	1.00	18.7	1230	.84	1.00	1.00	1400	.87	1.00	1.00	16.7	1580	.90	1.00	1.00	1780	.94	1.00	1.00	15.6	1780	.94	1.00	1.00	
67°F (19.4°C)		525	19.7	1080	.60	.73	.86	.61	.75	.88	18.8	1230	.61	.75	.88	1400	.62	.77	.91	16.6	1580	.64	.79	.94	1780	.66	.83	.99	15.3	1780	.66	.83	.99	
		600	20.2	1070	.62	.76	.90	.64	.78	.93	19.3	1230	.64	.78	.93	1400	.65	.81	.96	17.0	1580	.67	.83	.99	1790	.69	.87	1.00	15.7	1790	.69	.87	1.00	
71°F (21.7°C)		675	20.8	1070	.64	.80	.94	.66	.82	.97	19.7	1230	.66	.82	.97	1400	.67	.84	1.00	17.4	1580	.69	.87	1.00	1790	.72	.92	1.00	16.0	1790	.72	.92	1.00	
		525	20.8	1070	.46	.59	.71	.47	.60	.72	19.8	1230	.47	.60	.72	1400	.47	.61	.74	17.6	1580	.48	.63	.77	1790	.49	.65	.80	16.3	1790	.49	.65	.80	
71°F (21.7°C)		600	21.4	1070	.47	.61	.74	.48	.62	.76	20.4	1230	.48	.62	.76	1400	.48	.63	.78	18.1	1580	.49	.65	.81	1790	.50	.68	.84	16.7	1790	.50	.68	.84	
		675	22.0	1060	.48	.63	.77	.49	.64	.79	20.8	1230	.49	.64	.79	1400	.50	.66	.81	18.5	1590	.50	.68	.85	1790	.52	.70	.89	17.1	1790	.52	.70	.89	
59°F (15°C)		700	24.0	1340	.94	1.00	1.00	.97	1.00	22.8	1510	.97	1.00	1.00	1710	1.00	1.00	1.00	20.6	1940	1.00	1.00	1.00	2250	1.00	1.00	1.00	19.1	2250	1.00	1.00	1.00		
		800	25.0	1330	.99	1.00	1.00	1.00	1.00	1.00	24.0	1500	1.00	1.00	1.00	1690	1.00	1.00	1.00	21.4	1930	1.00	1.00	1.00	2230	1.00	1.00	1.00	20.0	2230	1.00	1.00	1.00	
63°F (17.2°C)		900	26.0	1320	1.00	1.00	1.00	1.00	1.00	24.8	1490	1.00	1.00	1.00	1680	1.00	1.00	1.00	22.2	1920	1.00	1.00	1.00	2230	1.00	1.00	1.00	20.6	2230	1.00	1.00	1.00		
		700	24.6	1330	.77	.91	1.00	.79	.93	1.00	23.6	1510	.79	.93	1.00	1700	.81	.96	1.00	20.6	1940	.84	1.00	1.00	2240	.87	1.00	1.00	19.1	2240	.87	1.00	1.00	
67°F (19.4°C)		800	25.6	1330	.80	.95	1.00	.82	.98	24.2	1500	.82	.98	1.00	1690	.84	1.00	1.00	21.4	1930	.88	1.00	1.00	2230	.92	1.00	1.00	20.0	2230	.92	1.00	1.00		
		900	26.2	1320	.83	.99	1.00	.85	1.00	24.8	1490	.85	1.00	1.00	1680	.88	1.00	1.00	22.2	1920	.92	1.00	1.00	2220	.96	1.00	1.00	20.6	2220	.96	1.00	1.00		
71°F (21.7°C)		700	26.4	1320	.61	.74	.87	.62	.76	25.0	1490	.62	.76	.90	1680	.63	.78	.93	22.0	1920	.65	.81	.96	2230	.67	.84	1.00	20.2	2230	.67	.84	1.00		
		800	27.2	1310	.63	.77	.91	.64	.79	.94	25.8	1480	.64	.79	.94	1680	.66	.82	.97	22.6	1910	.68	.85	1.00	2220	.70	.89	1.00	20.8	2220	.70	.89	1.00	
71°F (21.7°C)		900	27.8	1300	.65	.80	.95	.66	.83	26.4	1470	.66	.83	.98	1670	.68	.85	1.00	23.0	1910	.70	.89	1.00	2220	.73	.94	1.00	21.2	2220	.73	.94	1.00		
		700	28.0	1300	.47	.59	.71	.47	.60	.73	26.6	1470	.47	.60	.73	1660	.48	.62	.75	23.4	1900	.48	.63	.78	2210	.49	.66	.81	21.6	2210	.49	.66	.81	
71°F (21.7°C)		800	28.8	1290	.47	.61	.75	.48	.62	27.4	1460	.48	.62	.77	1650	.49	.64	.79	24.2	1900	.50	.66	.82	2200	.51	.69	.86	22.2	2200	.51	.69	.86		
		900	29.6	1280	.48	.63	.78	.49	.65	28.0	1450	.49	.65	.80	1640	.50	.66	.83	24.6	1890	.51	.69	.86	2200	.52	.72	.90	22.8	2200	.52	.72	.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 kBtu/h		Sensible To Total Ratio (S/T)		Total Cooling Capacity kBtu/h		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity kBtu/h		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		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
Total Air Volume cfm	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb				
4SCU14LB130P-50 - EA(C;U)1P30A+H4TXV01																									
59°F (15°C)	875	276	1560	.93	1.00	1.00	1.00	1760	.95	1.00	1.00	1.00	2000	.97	1.00	1.00	2400	2290	1.00	1.00	1.00	2620	1.00	1.00	1.00
	1000	288	1550	.97	1.00	1.00	1.00	1760	.99	1.00	1.00	1.00	2010	1.00	1.00	1.00	2500	2290	1.00	1.00	1.00	2620	1.00	1.00	1.00
	1125	298	1550	1.00	1.00	1.00	1.00	1760	1.00	1.00	1.00	1.00	2000	1.00	1.00	1.00	2580	2290	1.00	1.00	1.00	2620	1.00	1.00	1.00
63°F (17.2°C)	875	286	1550	.75	.89	1.00	1.00	1760	.77	.92	1.00	1.00	2010	.78	.94	1.00	24.4	2290	.81	.97	1.00	2620	.84	1.00	1.00
	1000	294	1550	.78	.93	1.00	1.00	1760	.80	.96	1.00	1.00	2010	.82	.98	1.00	25.0	2290	.84	1.00	1.00	2620	.88	1.00	1.00
	1125	302	1550	.81	.97	1.00	1.00	1760	.82	.99	1.00	1.00	2000	.85	1.00	1.00	25.8	2290	.88	1.00	1.00	2620	.91	1.00	1.00
67°F (19.4°C)	875	304	1550	.59	.73	.86	1.00	1760	.60	.74	.88	1.00	2010	.61	.76	.90	25.8	2290	.63	.78	.94	2610	.64	.81	.97
	1000	312	1550	.61	.76	.90	1.00	1760	.62	.78	.92	1.00	2000	.63	.79	.95	26.4	2290	.65	.82	.98	2620	.67	.85	1.00
	1125	318	1550	.63	.79	.94	1.00	1760	.64	.80	.96	1.00	2000	.65	.83	.99	27.0	2290	.67	.86	1.00	2610	.69	.89	1.00
71°F (21.7°C)	875	320	1550	.45	.57	.70	1.00	1760	.45	.59	.72	1.00	2000	.46	.60	.74	27.4	2290	.46	.61	.76	2620	.47	.63	.78
	1000	330	1550	.46	.60	.74	1.00	1760	.46	.61	.75	1.00	2000	.47	.62	.77	28.0	2280	.47	.63	.79	2610	.48	.65	.82
	1125	336	1540	.47	.62	.76	1.00	1760	.47	.63	.78	1.00	2000	.48	.64	.80	28.6	2280	.48	.65	.83	2620	.49	.68	.87

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 kBtu/h		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		Sensible To Total Ratio (S/T)		Total Cooling Capacity kBtu/h		Sensible To Total Ratio (S/T)		Total Cooling Capacity kW		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
Total Air Volume cfm	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb	Comp. Motor Watts Input	Indoor Dry Bulb	Indoor Dry Bulb				
4SCU14LB136P-50 - EA(C;U)1P36B+H4TXV02																									
59°F (15°C)	1050	338	1870	.95	1.00	1.00	1.00	2120	.97	1.00	1.00	1.00	2410	.99	1.00	1.00	296	2770	1.00	1.00	1.00	3210	1.00	1.00	1.00
	1200	352	1870	.99	1.00	1.00	1.00	2120	1.00	1.00	1.00	1.00	2410	1.00	1.00	1.00	308	2770	1.00	1.00	1.00	3210	1.00	1.00	1.00
	1350	366	1870	1.00	1.00	1.00	1.00	2120	1.00	1.00	1.00	1.00	2420	1.00	1.00	1.00	318	2780	1.00	1.00	1.00	3220	1.00	1.00	1.00
63°F (17.2°C)	1050	348	1870	.77	.92	1.00	1.00	2120	.79	.94	1.00	1.00	2410	.81	.96	1.00	29.8	2760	.83	.99	1.00	3210	.86	1.00	1.00
	1200	358	1870	.81	.96	1.00	1.00	2120	.82	.98	1.00	1.00	2410	.84	1.00	1.00	30.8	2770	.87	1.00	1.00	3210	.91	1.00	1.00
	1350	368	1870	.83	.99	1.00	1.00	2130	.86	1.00	1.00	1.00	2420	.88	1.00	1.00	31.8	2770	.91	1.00	1.00	3220	.95	1.00	1.00
67°F (19.4°C)	1050	370	1870	.61	.75	.88	1.00	2130	.63	.76	.90	1.00	2420	.64	.78	.93	31.4	2770	.65	.81	.96	3210	.67	.84	1.00
	1200	380	1870	.64	.78	.92	1.00	2130	.65	.80	.95	1.00	2420	.66	.82	.97	32.2	2780	.67	.85	1.00	3220	.70	.88	1.00
	1350	385	1870	.65	.81	.97	1.00	2130	.66	.83	.99	1.00	2430	.68	.85	1.00	32.8	2790	.70	.89	1.00	3220	.72	.93	1.00
71°F (21.7°C)	1050	390	1870	.47	.60	.72	1.00	2130	.47	.61	.74	1.00	2430	.48	.62	.76	33.4	2790	.49	.64	.78	3230	.50	.65	.81
	1200	400	1870	.48	.62	.76	1.00	2140	.49	.63	.77	1.00	2440	.49	.64	.80	34.0	2790	.50	.66	.82	3240	.51	.68	.86
	1350	410	1880	.49	.64	.79	1.00	2140	.50	.65	.81	1.00	2440	.50	.67	.83	34.6	2800	.51	.69	.86	3250	.52	.72	.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		
		kBtuh	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	kBtuh	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	kBtuh	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	kBtuh	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	kBtuh	75°F 23.9°C	80°F 26.7°C	85°F 29.4°C	Input
59°F (15°C)		4SCU14LB142P-50 - EA(C;U)IP49C+H4TXV02																																			
		1225	40.5	2370	.94	1.00	1.00	2670	.96	1.00	1.00	372	3000	.98	1.00	1.00	352	3370	1.00	1.00	1.00	3370	3370	1.00	1.00	1.00	33.4	3830	1.00	1.00	1.00	3830	3830	1.00	1.00	1.00	
		1425	42.5	2370	.98	1.00	1.00	2680	1.00	1.00	1.00	39.0	3000	1.00	1.00	1.00	368	3360	1.00	1.00	1.00	3360	3360	1.00	1.00	1.00	34.8	3820	1.00	1.00	1.00	3820	3820	1.00	1.00	1.00	
63°F (17.2°C)		1575	43.5	2370	1.00	1.00	2680	1.00	1.00	1.00	40.0	2990	1.00	1.00	1.00	378	3360	1.00	1.00	1.00	3360	3360	1.00	1.00	1.00	35.8	3800	1.00	1.00	1.00	3800	3800	1.00	1.00	1.00		
		1225	41.5	2370	.77	.90	2680	.78	.92	2680	.82	.97	2680	.80	.95	2680	.82	.97	2680	.80	.95	2680	.84	.97	2680	.82	.97	33.4	3820	.85	1.00	1.00	3820	.85	1.00	1.00	
		1425	43.0	2370	.80	.95	2680	.82	.97	2680	.84	.97	2680	.84	.97	2680	.84	.97	2680	.84	.97	2680	.84	.97	2680	.84	.97	34.8	3810	.90	1.00	1.00	3810	.90	1.00	1.00	
67°F (19.4°C)		1575	44.0	2380	.82	.98	2680	.84	1.00	1.00	40.0	3000	.87	1.00	1.00	38.0	3360	.90	1.00	1.00	3360	3360	.90	1.00	1.00	35.8	3810	.93	1.00	1.00	3810	.93	1.00	1.00			
		1225	44.0	2380	.61	.74	2680	.62	.76	2680	.62	.76	2680	.63	.78	2680	.62	.76	2680	.63	.78	2680	.63	.78	2680	.63	.78	35.2	3810	.66	.83	.98	3810	.66	.83	.98	
		1425	45.5	2380	.63	.78	2680	.64	.79	2680	.64	.79	2680	.66	.82	2680	.66	.82	2680	.66	.82	2680	.66	.82	2680	.67	.84	36.0	3800	.69	.87	1.00	3800	.69	.87	1.00	
71°F (21.7°C)		1575	46.5	2380	.65	.80	2680	.66	.82	2680	.66	.82	2680	.68	.85	2680	.68	.85	2680	.68	.85	2680	.68	.85	2680	.69	.88	36.6	3800	.72	.91	1.00	3800	.72	.91	1.00	
		1225	46.0	2380	.47	.60	2680	.47	.61	2680	.47	.61	2680	.47	.61	2680	.47	.61	2680	.47	.61	2680	.47	.61	2680	.49	.63	36.8	3790	.49	.65	.80	3790	.49	.65	.80	
		1425	47.5	2380	.48	.62	2670	.49	.63	2670	.49	.63	2670	.49	.63	2670	.49	.63	2670	.49	.63	2670	.49	.63	2670	.50	.66	37.8	3780	.50	.68	.85	3780	.50	.68	.85	
1575	48.5	2380	.49	.64	2670	.50	.65	2670	.50	.65	2670	.50	.66	2670	.50	.66	2670	.50	.66	2670	.50	.66	2670	.50	.66	41.0	3770	.52	.70	.89	3770	.52	.70	.89			
59°F (15°C)		4SCU14LB148P-50 - EA(C;U)IP60C+H4TXV02																																			
		1400	46.0	2560	.96	1.00	2890	.98	1.00	1.00	42.0	3260	1.00	1.00	1.00	40.0	3680	1.00	1.00	1.00	3680	3680	1.00	1.00	1.00	38.0	4140	1.00	1.00	1.00	4140	4140	1.00	1.00	1.00		
		1620	48.0	2560	1.00	1.00	2900	1.00	1.00	1.00	44.0	3270	1.00	1.00	1.00	42.0	3680	1.00	1.00	1.00	3680	3680	1.00	1.00	1.00	39.5	4150	1.00	1.00	1.00	4150	4150	1.00	1.00	1.00		
63°F (17.2°C)		1800	49.5	2570	1.00	1.00	2900	1.00	1.00	1.00	45.5	3280	1.00	1.00	1.00	43.0	3690	1.00	1.00	1.00	3690	3690	1.00	1.00	1.00	40.5	4150	1.00	1.00	1.00	4150	4150	1.00	1.00	1.00		
		1400	47.0	2560	.78	.92	2890	.80	.95	2890	.80	.95	2890	.82	.97	2890	.82	.97	2890	.82	.97	2890	.82	.97	2890	.84	.99	37.8	4140	.87	1.00	1.00	4140	.87	1.00	1.00	
		1620	48.5	2560	.82	.97	2900	.84	1.00	2900	.84	1.00	2900	.86	1.00	2900	.86	1.00	2900	.86	1.00	2900	.86	1.00	2900	.88	1.00	39.5	4150	.92	1.00	1.00	4150	.92	1.00	1.00	
67°F (19.4°C)		1800	49.5	2560	.85	1.00	2900	.87	1.00	1.00	45.5	3280	.89	1.00	1.00	43.0	3690	.92	1.00	1.00	3690	3690	.92	1.00	1.00	40.5	4150	.96	1.00	1.00	4150	.96	1.00	1.00			
		1400	49.5	2570	.61	.75	2900	.63	.77	2900	.63	.77	2900	.64	.79	2900	.64	.79	2900	.64	.79	2900	.64	.79	2900	.66	.82	39.5	4140	.67	.84	1.00	4140	.67	.84	1.00	
		1620	51.0	2570	.64	.79	2910	.65	.81	2910	.65	.81	2910	.67	.84	2910	.67	.84	2910	.67	.84	2910	.67	.84	2910	.68	.86	40.5	4150	.71	.89	1.00	4150	.71	.89	1.00	
71°F (21.7°C)		1800	52.5	2570	.66	.82	2910	.67	.84	2910	.67	.84	2910	.69	.87	2910	.69	.87	2910	.69	.87	2910	.69	.87	2910	.71	.89	41.5	4150	.73	.94	1.00	4150	.73	.94	1.00	
		1400	52.5	2570	.47	.60	2920	.48	.62	2920	.48	.62	2920	.48	.63	2920	.48	.63	2920	.48	.63	2920	.48	.63	2920	.49	.64	42.0	4150	.50	.66	.82	4150	.50	.66	.82	
		1620	54.0	2580	.48	.63	2920	.49	.64	2920	.49	.64	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.51	.67	43.0	4160	.51	.69	.87	4160	.51	.69	.87	
1800	55.0	2580	.49	.65	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.50	.66	2920	.51	.67	43.5	4160	.53	.72	.91	4160	.53	.72	.91			

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)											
		Sensible To Total Ratio (S/T)			Total Cooling Capacity			Comp. Motor Watts Input			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Comp. Motor Watts Input			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Comp. Motor Watts Input			Sensible To Total Ratio (S/T)			Total Cooling Capacity			Comp. Motor Watts Input		
		Total Cooling Capacity kBTuh	Indoor Dry Bulb 75°F 23.9°C	Indoor Dry Bulb 80°F 26.7°C	Indoor Dry Bulb 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	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				
Total Air Volume		4SCU14LB160P-50 - EA(C;U)IP60C+H4TXV03																																			
		cfm																																			
59°F (15°C)	1575	56.5	3500	.91	1.00	1.00	.93	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00					
	1800	59.0	3500	.95	1.00	1.00	.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00					
	2025	61.0	3500	.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
63°F (17.2°C)	1575	59.0	3500	.74	.87	.99	.76	.89	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00	.77	.92	1.00				
	1800	60.5	3500	.77	.91	1.00	.79	.93	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00	.81	.96	1.00				
	2025	62.0	3500	.80	.95	1.00	.82	.97	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98	1.00	.84	.98		
67°F (19.4°C)	1575	62.0	3490	.60	.72	.84	.60	.73	.86	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	.62	.76	.90	
	1800	64.0	3490	.61	.75	.88	.63	.78	.92	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	.65	.80	.94	
	2025	65.5	3490	.63	.78	.92	.66	.82	.97	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	.68	.84	.98	
71°F (21.7°C)	1575	65.5	3490	.46	.58	.70	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	.47	.59	.71	
	1800	67.5	3490	.47	.60	.73	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47	.61	.74	.47
	2025	69.0	3490	.48	.62	.75	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48	.63	.77	.48



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