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[ACCA Manual S Cooling & Heat Pump Capacity Calculator](#)

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ACCA Manual S Cooling and Heat Pump Capacity Calculator

Performance data on Lennox air conditioners, heat pumps, and packaged units up to five tons.

This tool provides capacity details to meet equipment selection procedures required by building code requirements (2009 & 2012 IRC), Energy-Star new home construction requirements and utility company rebate program requirements.

In three easy steps, you'll have the information you need for the ACCA Manual S Residential Equipment Selection Speed Sheet.

Step 1: Select your system components.

Step 2: Enter your Design Conditions.

Step 3: Get the results!

Step Or

(Select a unit)

13HPX-036-230-17 - CBK25UH-036 - Cooling Performance

Note: information based upon published performance data dated - Thursday, February 28, 2013

Entering Wet Bulb Temperature	Total Air Volume	85°F						95°F						105°F						115°F						125°F					
		Total Cool Cap.		Comp Motor Input		Sensible to Total Ratio (S/T)		Total Cool Cap.		Comp Motor Input		Sensible to Total Ratio (S/T)		Total Cool Cap.		Comp Motor Input		Sensible to Total Ratio (S/T)		Total Cool Cap.		Comp Motor Input		Sensible to Total Ratio (S/T)							
		cfm	BTU/h	kW	75°F F	85°F F	95°F F	BTU/h	kW	75°F F	85°F F	95°F F	BTU/h	kW	75°F F	85°F F	95°F F	BTU/h	kW	75°F F	85°F F	95°F F	BTU/h	kW	75°F F	85°F F	95°F F				
59°F	1050	35.4	2.21	.95	1.00	1.00	32.2	2.51	.98	1.00	1.00	30.6	2.84	1.00	1.00	28.6	3.19	1.00	1.00	1.00	26.2	3.56	1.00	1.00	1.00	1.00					
	1200	35.0	2.21	.99	1.00	1.00	33.4	2.51	1.00	1.00	1.00	31.8	2.84	1.00	1.00	29.6	3.19	1.00	1.00	1.00	27.2	3.56	1.00	1.00	1.00	1.00					
	1350	36.2	2.21	1.00	1.00	1.00	34.6	2.51	1.00	1.00	1.00	32.8	2.84	1.00	1.00	30.6	3.19	1.00	1.00	1.00	28.0	3.56	1.00	1.00	1.00	1.00					
63°F	1050	34.6	2.21	.77	.92	1.00	33.8	2.51	.79	.95	1.00	30.8	2.84	.81	.98	1.00	28.6	3.19	.85	1.00	1.00	26.2	3.56	.90	1.00	1.00	1.00				
	1200	35.4	2.21	.80	.96	1.00	33.8	2.51	.83	.99	1.00	31.8	2.84	.85	1.00	29.6	3.19	.89	1.00	1.00	27.2	3.56	.95	1.00	1.00	1.00					
	1350	36.2	2.21	.84	1.00	1.00	34.6	2.51	.86	1.00	1.00	32.8	2.84	.89	1.00	30.6	3.18	.93	1.00	1.00	28.0	3.55	.99	1.00	1.00	1.00					
67°F	1050	36.8	2.21	.61	.75	.89	35.0	2.51	.62	.77	.91	32.8	2.84	.63	.79	.94	30.4	3.19	.65	.82	.98	27.2	3.56	.68	.87	1.00	1.00				
	1200	37.6																													
	1350	38.5																													

13HPX-036-230-17 - CBK25UH-036 - Heating Performance

Indoor Coil Air Volume 70° Dry Bulb	Air Temperature Entering Outdoor Coil		65°F		45°F		25°F		5°F		-15°F	
	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	Total Heating Capacity	Comp Motor Input
cfm	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW	BTU/h	kW
1050	40.3	2.43	31.5	2.28	22.2	2.11	16.3	1.93	8.1	1.43		
1200	40.7	2.34	31.9	2.18	22.6	2.02	16.7	1.84	8.5	1.33		
1350	41.1											

13HPX-036-230-17 - CBK25UH-036 - Heating Performance

HEATING PERFORMANCE at 1200 cfm Indoor Coil Air Volume

Outdoor Temperature	Compressor Motor Input	Total Output
65	2.34	40.7
60	2.34	38.7
55	2.27	36.7
50	2.24	34.7
47	2.22	33.5
45	2.18	31.9
40	2.1	27.9
35	2.02	23.9
30	2.02	23.3
25	2.02	22.6
20	2.01	22
17	2.01	21.6
15	2	20.8
10	1.96	18.8
5	1.84	16.7
0	1.71	14.7
-5	2.02	12.6
-10	1.46	10.6
-15	1.33	8.5
-20	1.21	6.5

Disclaimer: Due to Lennox's ongoing commitment to quality, specifications, ratings and performance data are subject to change with notice and without incurring liability. Improper installation, adjustment, alteration, service or maintenance can cause property damage or personal injury. Installation and service must be performed by a qualified installer and service agency. The capacities listed in the performance data are gross capacities and do not include the effects of blower motor heat.