



AIR HANDLERS CB27UH/CBX27UH

ARI and Expanded Ratings For Commercial Air Conditioners

ENGINEERING DATA

Bulletin No. 210483
April 2007
Supersedes December 2006

ARI RATINGS					SSB
¹ ARI Standard 210/240 Ratings					
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device
	SEER	EER			
SSB036					3 TON
34,200	15.70	12.00	2850	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 39L72
35,200	16.20	12.50	2815	⁴ CBX27UH-042 (Up-Flow / Horizontal)	² 39L72
SSB048					4 TON
47,000	15.70	12.20	3850	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV
46,500	15.50	12.20	3810	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
SSB060					5 TON
57,500	14.70	11.50	5000	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.
² Factory installed RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).
⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS					TS (R-410A)
¹ ARI Standard 210/240 Ratings					
Cooling Capacity Btuh	Efficiency		Total Unit Watts	Indoor Unit Model No.	Expansion Device
	SEER	EER			
TSA036S4					3 TON
35,600	14.00	12.00	2965	⁴ CBX27UH-036 (Up-Flow / Horizontal)	Factory TXV
36,600	14.00	12.00	3050	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
TSA042S4					3.5 TON
41,500	14.00	11.50	3610	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
41,000	14.00	11.50	3565	⁴ CBX27UH-048 (Up-Flow / Horizontal)	² 39L72
TSA048S4					4 TON
47,500	14.00	11.50	4130	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV
47,500	14.00	11.50	4130	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
TSA060S4					5 TON
59,000	13.50	11.00	5365	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.
² Factory installed RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).
⁴ Blower control must be set for a time-off blower delay.

NOTE - Due to Lennox' ongoing commitment to quality, Specifications, Ratings and Dimensions subject to change without 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 servicing agency.

ARI RATINGS **TS (R-22)**

1 ARI Standard 210/240 Ratings				Indoor Unit Model No.	Expansion Device
Cooling Capacity Btuh	Efficiency		Total Unit Watts		
	SEER	EER			
TSA036S2					3 TON
34,000	13.50	11.50	2955	⁴ CB27UH-036 (Up-Flow / Horizontal)	² 26K34
35,600	14.00	12.00	2965	⁴ CB27UH-042 (Up-Flow / Horizontal)	Factory TXV
TSA042S2					3.5 TON
42,500	14.00	12.00	3540	⁴ CB27UH-042 (Up-Flow / Horizontal)	Factory TXV
42,500	14.00	12.00	3540	⁴ CB27UH-048 (Up-Flow / Horizontal)	Factory TXV
TSA048S2					4 TON
46,000	13.50	12.00	3835	⁴ CB27UH-048 (Up-Flow / Horizontal)	Factory TXV
45,500	13.50	12.00	3790	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV
TSA060S2					5 TON
59,000	13.00	11.50	5130	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.
² Factory installed RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).
⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS **HS29**

1 ARI Standard 210/240 Ratings				Indoor Unit Model No.	Expansion Device
Cooling Capacity Btuh	Efficiency		Total Unit Watts		
	SEER	EER			
HS29-036					3 TON
38,500	12.30	10.75	3585	⁴ CB27UH-036 (Up-Flow / Horizontal)	² 26K34
40,000	12.75	11.15	3580	⁴ CB27UH-042 (Up-Flow / Horizontal)	Factory TXV
HS29-042					3.5 TON
46,000	12.45	10.75	4285	⁴ CB27UH-042 (Up-Flow / Horizontal)	Factory TXV
46,000	12.40	10.70	4295	⁴ CB27UH-048 (Up-Flow / Horizontal)	Factory TXV
HS29-048					4 TON
50,000	12.00	10.35	4830	⁴ CB27UH-048 (Up-Flow / Horizontal)	² 26K35
50,000	12.10	10.40	4800	⁴ CB27UH-060 (Up-Flow / Horizontal)	² 26K35
HS29-060					5 TON
59,000	11.55	10.15	5810	⁴ CB27UH-060 (Up-Flow / Horizontal)	² 26K35

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240; 95°F outdoor air temperature, 80°F db / 67°F wb entering evaporator air with 25 ft. of connecting refrigerant lines.
² Factory installed RFC or expansion valve on indoor unit MUST be replaced with expansion valve kit (ordered separately).
⁴ Blower control must be set for a time-off blower delay.

EXPANDED RATING TABLES

SSB

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

FIRST STAGE COOLING CAPACITY - SSB036 with

[CBX27UH-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	840	395	26.4	7.7	1.18	.77	.92	1.00	25.2	7.4	1.37	.79	.95	1.00	24.0	7.0	1.59	.81	.97	1.00	22.6	6.6	1.85	.84	1.00	1.00
	1000	470	27.6	8.1	1.19	.82	.98	1.00	26.2	7.7	1.38	.84	.99	1.00	25.0	7.3	1.60	.85	1.00	1.00	23.8	7.0	1.86	.89	1.00	1.00
67°F (19°C)	840	395	28.2	8.3	1.19	.61	.75	.89	26.8	7.9	1.38	.62	.77	.91	25.4	7.4	1.60	.63	.79	.94	24.0	7.0	1.86	.65	.81	.97
	1000	470	29.2	8.6	1.20	.64	.79	.95	27.8	8.1	1.39	.65	.81	.97	26.2	7.7	1.61	.66	.83	.99	24.6	7.2	1.87	.68	.86	1.00
71°F (22°C)	840	395	29.8	8.7	1.20	.46	.60	.73	28.4	8.3	1.39	.46	.60	.74	27.0	7.9	1.62	.47	.62	.76	25.4	7.4	1.87	.47	.63	.78
	1000	470	30.8	9.0	1.21	.47	.62	.77	29.4	8.6	1.40	.47	.63	.79	28.0	8.2	1.62	.48	.65	.81	26.2	7.7	1.88	.49	.66	.84

SECOND STAGE COOLING CAPACITY - SSB036 with

[CBX27UH-036]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	33.6	9.8	2.08	.75	.89	1.00	32.0	9.4	2.35	.77	.91	1.00	30.2	8.9	2.65	.79	.94	1.00	28.4	8.3	3.00	.81	.97	1.00
	1200	565	35.0	10.3	2.10	.79	.95	1.00	33.2	9.7	2.36	.81	.97	1.00	31.4	9.2	2.67	.84	.99	1.00	29.4	8.6	3.01	.86	1.00	1.00
67°F (19°C)	1000	470	35.6	10.4	2.10	.60	.73	.86	33.8	9.9	2.37	.60	.74	.88	32.0	9.4	2.68	.62	.76	.91	30.0	8.8	3.02	.63	.79	.94
	1200	565	36.8	10.8	2.12	.62	.77	.92	35.0	10.3	2.39	.63	.79	.94	33.0	9.7	2.69	.65	.81	.97	30.8	9.0	3.03	.66	.84	.99
71°F (22°C)	1000	470	37.2	10.9	2.12	.45	.58	.71	35.4	10.4	2.40	.46	.59	.72	33.6	9.8	2.70	.46	.60	.74	31.6	9.3	3.05	.47	.62	.77
	1200	565	38.5	11.3	2.14	.47	.61	.75	36.6	10.7	2.41	.47	.62	.77	34.8	10.2	2.72	.48	.64	.79	32.4	9.5	3.06	.48	.65	.82

FIRST STAGE COOLING CAPACITY - SSB036 with

[CBX27UH-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	28.0	8.2	1.19	.82	.98	1.00	26.8	7.9	1.38	.84	1.00	1.00	25.6	7.5	1.60	.87	1.00	1.00	24.4	7.2	1.86	.89	1.00	1.00
	1200	565	29.6	8.7	1.20	.88	1.00	1.00	28.4	8.3	1.39	.90	1.00	1.00	27.0	7.9	1.61	.93	1.00	1.00	25.6	7.5	1.87	.96	1.00	1.00
67°F (19°C)	1000	470	29.8	8.7	1.20	.63	.79	.95	28.4	8.3	1.39	.64	.81	.97	26.8	7.9	1.61	.66	.84	1.00	25.2	7.4	1.87	.68	.87	1.00
	1200	565	30.8	9.0	1.21	.67	.85	1.00	29.2	8.6	1.40	.68	.88	1.00	27.6	8.1	1.62	.71	.90	1.00	26.0	7.6	1.88	.72	.93	1.00
71°F (22°C)	1000	470	31.6	9.3	1.22	.47	.62	.76	30.0	8.8	1.41	.47	.63	.79	28.4	8.3	1.62	.48	.64	.81	26.8	7.9	1.88	.49	.67	.85
	1200	565	32.6	9.6	1.23	.48	.65	.83	31.0	9.1	1.41	.49	.67	.85	29.4	8.6	1.63	.50	.69	.88	27.6	8.1	1.89	.50	.71	.91

SECOND STAGE COOLING CAPACITY - SSB036 with

[CBX27UH-042]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1000	470	34.6	10.1	2.09	.75	.89	1.00	32.8	9.6	2.36	.77	.92	1.00	31.0	9.1	2.66	.79	.94	1.00	29.2	8.6	3.01	.81	.97	1.00
	1200	565	35.8	10.5	2.11	.80	.95	1.00	34.0	10.0	2.38	.81	.98	1.00	32.2	9.4	2.68	.84	1.00	1.00	30.4	8.9	3.03	.87	1.00	1.00
	1400	660	36.8	10.8	2.12	.84	1.00	1.00	35.2	10.3	2.39	.86	1.00	1.00	33.4	9.8	2.70	.89	1.00	1.00	31.6	9.3	3.05	.92	1.00	1.00
67°F (19°C)	1000	470	36.4	10.7	2.11	.60	.73	.86	34.8	10.2	2.39	.60	.75	.88	32.8	9.6	2.69	.62	.76	.91	30.8	9.0	3.04	.63	.79	.94
	1200	565	37.8	11.1	2.13	.62	.77	.92	35.8	10.5	2.40	.63	.79	.95	33.8	9.9	2.70	.64	.81	.97	31.6	9.3	3.05	.66	.84	1.00
	1400	660	38.5	11.3	2.14	.64	.82	.97	36.6	10.7	2.41	.66	.84	1.00	34.6	10.1	2.72	.68	.87	1.00	32.2	9.4	3.06	.70	.90	1.00
71°F (22°C)	1000	470	38.0	11.1	2.14	.45	.58	.70	36.4	10.7	2.41	.45	.59	.72	34.6	10.1	2.71	.46	.60	.74	32.4	9.5	3.06	.46	.62	.77
	1200	565	39.5	11.6	2.15	.46	.61	.75	37.6	11.0	2.42	.47	.62	.77	35.6	10.4	2.73	.47	.63	.79	33.2	9.7	3.07	.48	.65	.82
	1400	660	40.5	11.9	2.17	.48	.63	.80	38.5	11.3	2.44	.48	.65	.82	36.4	10.7	2.74	.49	.67	.85	34.0	10.0	3.09	.50	.69	.88

EXPANDED RATING TABLES

SSB

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

FIRST STAGE COOLING CAPACITY - SSB048 with

[CBX27UH-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1120	530	37.2	10.9	1.67	.77	.92	1.00	35.4	10.4	1.93	.79	.94	1.00	33.8	9.9	2.24	.81	.97	1.00	32.0	9.4	2.58	.83	.99	1.00
	1400	660	39.0	11.4	1.66	.83	.99	1.00	37.4	11.0	1.92	.85	1.00	1.00	35.8	10.5	2.22	.87	1.00	1.00	34.0	10.0	2.55	.90	1.00	1.00
67°F (19°C)	1120	530	39.5	11.6	1.66	.61	.75	.88	37.8	11.1	1.92	.61	.76	.90	36.0	10.6	2.21	.62	.78	.93	34.0	10.0	2.56	.64	.80	.96
	1400	660	41.5	12.2	1.65	.64	.80	.96	39.5	11.6	1.91	.65	.82	.98	37.4	11.0	2.20	.66	.84	1.00	35.4	10.4	2.54	.68	.87	1.00
71°F (22°C)	1120	530	42.0	12.3	1.65	.45	.59	.72	40.0	11.7	1.91	.46	.60	.73	38.0	11.1	2.19	.46	.61	.75	36.0	10.6	2.53	.47	.62	.77
	1400	660	44.0	12.9	1.64	.47	.63	.78	42.0	12.3	1.90	.47	.64	.80	40.0	11.7	2.18	.48	.65	.81	37.6	11.0	2.52	.49	.67	.84

SECOND STAGE COOLING CAPACITY - SSB048 with

[CBX27UH-048]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1400	660	46.5	13.6	2.75	.76	.90	1.00	44.5	13.0	3.07	.77	.92	1.00	42.0	12.3	3.43	.79	.95	1.00	39.5	11.6	3.84	.82	.98	1.00
	1600	755	48.0	14.1	2.76	.79	.94	1.00	45.5	13.3	3.09	.81	.96	1.00	43.0	12.6	3.45	.83	.99	1.00	40.5	11.9	3.85	.86	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.78	.60	.73	.87	47.0	13.8	3.10	.61	.75	.89	44.5	13.0	3.46	.62	.77	.91	41.5	12.2	3.87	.63	.79	.95
	1600	755	50.5	14.8	2.79	.62	.76	.91	48.5	14.2	3.11	.63	.78	.93	45.5	13.3	3.47	.64	.80	.96	42.5	12.5	3.89	.66	.83	.99
71°F (22°C)	1400	660	52.0	15.2	2.81	.45	.59	.71	49.5	14.5	3.13	.45	.59	.72	47.0	13.8	3.49	.46	.61	.74	44.0	12.9	3.90	.47	.62	.77
	1600	755	53.5	15.7	2.82	.46	.60	.74	51.0	14.9	3.14	.47	.61	.76	48.0	14.1	3.50	.47	.63	.78	45.0	13.2	3.91	.48	.65	.81

FIRST STAGE COOLING CAPACITY - SSB048 with

[CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1260	595	44.5	13.0	2.73	.73	.86	.97	42.5	12.5	3.05	.75	.88	.99	40.5	11.9	3.41	.76	.90	1.00	38.0	11.1	3.83	.78	.93	1.00
	1600	755	47.0	13.8	2.76	.78	.92	1.00	45.0	13.2	3.08	.79	.94	1.00	42.5	12.5	3.44	.81	.97	1.00	40.0	11.7	3.85	.84	.99	1.00
67°F (19°C)	1260	595	47.0	13.8	2.76	.59	.71	.83	45.0	13.2	3.08	.60	.72	.84	42.5	12.5	3.44	.61	.74	.87	40.0	11.7	3.85	.62	.76	.89
	1600	755	49.5	14.5	2.78	.62	.75	.89	47.5	13.9	3.10	.63	.77	.91	45.0	13.2	3.47	.64	.79	.94	42.0	12.3	3.88	.65	.82	.97
71°F (22°C)	1260	595	49.5	14.5	2.78	.45	.58	.69	47.5	13.9	3.10	.46	.58	.70	45.0	13.2	3.46	.46	.59	.72	42.5	12.5	3.87	.46	.61	.74
	1600	755	52.0	15.2	2.81	.46	.60	.73	50.0	14.7	3.13	.47	.62	.75	47.5	13.9	3.49	.48	.63	.77	44.5	13.0	3.90	.48	.64	.79

SECOND STAGE COOLING CAPACITY - SSB048 with

[CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb		
			kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C	kBtuh	kW		75°F 24°C	80°F 27°C	85°F 29°C
63°F (17°C)	1260	595	44.5	13.0	2.73	.73	.86	.97	42.5	12.5	3.05	.75	.88	.99	40.5	11.9	3.41	.76	.90	1.00	38.0	11.1	3.83	.78	.93	1.00
	1600	755	47.0	13.8	2.76	.78	.92	1.00	45.0	13.2	3.08	.79	.94	1.00	42.5	12.5	3.44	.81	.97	1.00	40.0	11.7	3.85	.84	.99	1.00
67°F (19°C)	1260	595	47.0	13.8	2.76	.59	.71	.83	45.0	13.2	3.08	.60	.72	.84	42.5	12.5	3.44	.61	.74	.87	40.0	11.7	3.85	.62	.76	.89
	1600	755	49.5	14.5	2.78	.62	.75	.89	47.5	13.9	3.10	.63	.77	.91	45.0	13.2	3.47	.64	.79	.94	42.0	12.3	3.88	.65	.82	.97
71°F (22°C)	1260	595	49.5	14.5	2.78	.45	.58	.69	47.5	13.9	3.10	.46	.58	.70	45.0	13.2	3.46	.46	.59	.72	42.5	12.5	3.87	.46	.61	.74
	1600	755	52.0	15.2	2.81	.46	.60	.73	50.0	14.7	3.13	.47	.62	.75	47.5	13.9	3.49	.48	.63	.77	44.5	13.0	3.90	.48	.64	.79
	1800	850	50.5	14.8	2.80	.63	.78	.92	48.5	14.2	3.11	.64	.80	.95	46.0	13.5	3.48	.66	.82	.97	43.0	12.6	3.88	.67	.85	1.00
	1800	850	53.5	15.7	2.82	.47	.62	.76	51.0	14.9	3.14	.47	.63	.78	48.5	14.2	3.50	.49	.65	.80	45.5	13.3	3.92	.49	.66	.83

EXPANDED RATING TABLES

SSB

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section.
Expanded rating tables are sorted by smallest to largest indoor unit model no.

FIRST STAGE COOLING CAPACITY - SSB060 with

[CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			75°F (24°C)						85°F (29°C)						95°F (35°C)						105°F (41°C)					
	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb				
				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C	75°F 24°C	80°F 27°C
cfm	L/s	kBtuh	kW				kBtuh	kW				kBtuh	kW				kBtuh	kW				kBtuh	kW			
63°F (17°C)	1260	595	42.5	12.5	2.15	.75	.88	.99	41.0	12.0	2.52	.76	.90	1.00	39.0	11.4	2.93	.78	.92	1.00	37.2	10.9	3.41	.79	.94	1.00
	1560	735	44.5	13.0	2.14	.79	.94	1.00	43.0	12.6	2.51	.81	.96	1.00	41.0	12.0	2.91	.82	.98	1.00	39.5	11.6	3.38	.85	1.00	1.00
67°F (19°C)	1260	595	45.0	13.2	2.14	.60	.73	.84	43.5	12.7	2.50	.61	.74	.86	41.5	12.2	2.91	.62	.75	.88	39.5	11.6	3.37	.63	.77	.91
	1560	735	47.5	13.9	2.13	.62	.77	.90	45.5	13.3	2.49	.63	.78	.92	43.5	12.7	2.89	.64	.80	.95	41.5	12.2	3.36	.66	.82	.97
71°F (22°C)	1260	595	47.5	13.9	2.12	.46	.59	.70	46.0	13.5	2.48	.46	.59	.71	44.0	12.9	2.88	.46	.60	.73	42.0	12.3	3.35	.47	.61	.74
	1560	735	50.0	14.7	2.12	.47	.61	.74	48.0	14.1	2.47	.47	.62	.76	46.0	13.5	2.87	.48	.63	.78	44.0	12.9	3.33	.48	.65	.80

SECOND STAGE COOLING CAPACITY - SSB060 with

[CBX27UH-060]

Entering Wet Bulb Temperature	Total Air Volume		Outdoor Air Temperature Entering Outdoor Coil																							
			85°F (29°C)						95°F (35°C)						105°F (41°C)						115°F (46°C)					
	Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb			Total Cooling Capacity		Comp Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb				
				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C				75°F 24°C	80°F 27°C	85°F 29°C		
cfm	L/s	kBtuh	kW				kBtuh	kW				kBtuh	kW				kBtuh	kW				kBtuh	kW			
63°F (17°C)	1600	755	56.0	16.4	3.66	.74	.86	.97	53.5	15.7	4.14	.75	.88	.99	51.0	14.9	4.70	.76	.90	1.00	48.0	14.1	5.34	.78	.93	1.00
	1800	850	57.5	16.9	3.67	.75	.89	1.00	55.0	16.1	4.16	.77	.91	1.00	52.5	15.4	4.70	.79	.93	1.00	49.5	14.5	5.36	.81	.96	1.00
	2000	945	59.0	17.3	3.69	.77	.92	1.00	56.5	16.6	4.17	.79	.94	1.00	54.0	15.8	4.73	.81	.96	1.00	51.0	14.9	5.37	.83	.99	1.00
67°F (19°C)	1600	755	59.5	17.4	3.69	.59	.71	.83	57.0	16.7	4.18	.60	.72	.84	54.0	15.8	4.74	.61	.74	.87	51.0	14.9	5.37	.62	.76	.89
	1800	850	61.0	17.9	3.71	.60	.73	.85	58.5	17.1	4.19	.61	.75	.87	55.5	16.3	4.75	.62	.76	.90	52.5	15.4	5.40	.63	.78	.93
	2000	945	62.5	18.3	3.73	.62	.75	.88	59.5	17.4	4.21	.63	.77	.91	57.0	16.7	4.77	.64	.79	.93	53.5	15.7	5.40	.65	.81	.96
71°F (22°C)	1600	755	62.5	18.3	3.73	.45	.58	.69	60.0	17.6	4.22	.46	.58	.70	57.0	16.7	4.77	.46	.59	.72	54.0	15.8	5.42	.46	.60	.73
	1800	850	64.0	18.8	3.75	.46	.59	.71	61.5	18.0	4.24	.46	.60	.72	58.5	17.1	4.78	.47	.61	.74	55.5	16.3	5.44	.47	.62	.76
	2000	945	66.0	19.3	3.77	.47	.60	.73	63.0	18.5	4.26	.47	.61	.74	60.0	17.6	4.81	.47	.62	.76	56.5	16.6	5.47	.48	.64	.79

EXPANDED RATING TABLES

TS (R-22)

NOTES: For Temperatures and Capacities not shown in tables, see bulletin - Cooling Unit Rating Table Correction Factor Data in Miscellaneous Engineering Data section. Expanded rating tables are sorted by smallest to largest indoor unit model no.

Table with columns for Entering Wet Bulb Temperature, Total Air Volume (cfm, L/s), and Outdoor Air Temperature Entering Outdoor Coil (85°F, 95°F, 105°F, 115°F). It includes sub-sections for Cooling Capacity with model identifiers like [CB27UH-036], [CB27UH-042], [CB27UH-042], [CB27UH-048], [CB27UH-048], [CB27UH-048], and [CB27UH-060].



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