



AIR HANDLERS

CB27UH/CBX27UH

ELITE® SERIES

ARI and Expanded Ratings For Residential Heat Pumps

ENGINEERING DATA

Bulletin No. 210480
November 2006

ARI RATINGS													XP19	
¹ ARI Standard 210/240 Ratings													Indoor Unit Model No.	Expansion Device
Capacity - Btuh			Efficiency				Total Watts			COP				
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat			
XP19-024													2 TON	
24,400	22,200	13,000	18.3	13.50	9.30	7.90	1805	1635	1345	3.98	2.84	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV	
XP19-036													3 TON	
34,400	32,000	19,600	17.00	12.00	8.90	7.60	2865	2580	2280	3.64	2.52	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 49L25	
35,600	32,000	19,500	17.60	12.50	9.10	7.70	2850	2520	2235	3.72	2.56	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV	
XP19-048													4 TON	
46,500	44,500	26,400	16.60	12.60	9.00	7.50	3690	3535	3155	3.68	2.46	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV	
46,000	44,500	26,400	16.40	12.50	9.00	7.50	3680	3555	3175	3.66	2.44	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV	
XP19-060													5 TON	
56,500	54,500	33,400	15.70	11.60	8.50	7.30	4870	4690	4145	3.40	2.36	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV	

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**
⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS													XP15	
¹ ARI Standard 210/240 Ratings													Indoor Unit Model No.	Expansion Device
Capacity - Btuh			Efficiency				Total Watts			COP				
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat			
XP15-024													2 TON	
24,400	21,600	13,200	16.70	13.70	8.70	7.20	1780	1700	1570	3.72	2.46	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV	
XP15-030													2.5 TON	
29,000	26,200	16,400	15.00	12.20	7.70	6.70	2375	2275	2095	3.38	2.30	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV	
29,000	26,000	16,300	15.20	12.50	7.70	6.70	2320	2260	2080	3.38	2.30	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 49L24	
XP15-036													3 TON	
34,600	31,400	20,800	13.70	11.20	8.70	7.70	3090	2595	2295	3.54	2.66	⁴ CBX27UH-036 (Up-Flow / Horizontal)	Factory TXV	
35,800	31,400	20,800	14.50	11.70	8.70	8.00	3060	2520	2235	3.66	2.72	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV	
XP15-042													3.5 TON	
40,000	36,800	23,600	14.00	11.00	8.50	7.20	3635	3075	2805	3.50	2.46	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV	
40,000	36,800	23,600	13.70	11.00	8.50	7.20	3635	3085	2815	3.50	2.46	⁴ CBX27UH-048 (Up-Flow / Horizontal)	² 49L25	
XP15-048													4 TON	
47,000	47,500	29,800	14.70	11.70	8.20	7.20	4015	4225	3600	3.30	2.42	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV	
47,000	47,000	29,800	14.70	11.70	8.20	7.20	4015	4295	3625	3.20	2.40	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV	
XP15-060													5 TON	
56,000	54,500	35,400	13.50	11.00	7.70	7.20	5090	5040	4365	3.16	2.38	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV	

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Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**
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

XPI6

¹ ARI Standard 210/240 Ratings

Capacity - Btuh			Efficiency				Total Watts			COP		Indoor Unit Model No.	Expansion Device
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat		
					IV	V							
XPI6-024												2 TON	
24,200	21,600	12,800	16.0	12.20	8.20	7.00	1960	1715	1515	3.70	2.48	⁴ CBX27UH-024 (Up-Flow / Horizontal)	Factory TXV
24,400	21,600	12,800	17.0	12.50	8.50	7.20	1940	1680	1490	3.76	2.52	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV
XPI6-036												3 TON	
35,600	33,000	19,700	15.70	11.70	8.20	7.00	3000	2835	2440	3.42	2.36	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 49L24
36,800	32,800	19,700	16.20	12.20	8.20	7.20	2970	2805	2385	3.42	2.42	⁴ CBX27UH-042 (Up-Flow / Horizontal)	² 49L24
XPI6-048												4 TON	
47,500	45,000	27,000	15.70	12.00	8.00	7.00	3960	3910	3320	3.38	2.38	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV
47,000	45,000	26,800	15.70	11.70	8.00	6.70	3960	3990	3375	3.30	2.32	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
XPI6-060												5 TON	
56,500	52,500	33,200	15.20	11.20	8.50	7.20	4985	4710	4115	3.26	2.36	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV

¹ Certified in accordance with USE certification program which is based on ARI Standard 210/240 with 25 ft. (7.6 m) of connecting refrigerant lines;
Cooling Ratings - 95°F (35°C) outdoor air temperature and 80°F (27°C) db/67°F (19°C) wb entering indoor coil air.
High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**

⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS

XPI3

¹ ARI Standard 210/240 Ratings

Capacity - Btuh			Efficiency				Total Watts			COP		Indoor Unit Model No.	Expansion Device
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat		
					IV	V							
XPI3-018												1.5 TON	
19,300	17,600	10,200	15.50	12.50	7.70	6.60	1485	1380	1300	3.74	2.30	⁴ CBX27UH-018 (Up-Flow / Horizontal)	Factory TXV
19,300	17,600	10,200	15.50	12.50	7.70	6.60	1430	1380	1300	3.74	2.30	⁴ CBX27UH-024 (Up-Flow / Horizontal)	Factory TXV
XPI3-024												2 TON	
24,000	22,000	13,200	15.50	12.50	8.20	6.70	1920	1675	1580	3.84	2.44	⁴ CBX27UH-024 (Up-Flow / Horizontal)	Factory TXV
24,200	22,000	13,200	15.50	13.00	8.50	6.70	1860	1640	1545	3.94	2.50	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV
XPI3-030												2.5 TON	
29,600	27,200	15,900	15.00	12.50	8.20	6.70	2370	2065	1895	3.86	2.46	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV
29,800	27,200	15,800	15.00	12.50	8.20	6.70	2385	2050	1880	3.88	2.46	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 49L24
XPI3-036												3 TON	
34,400	35,400	21,200	13.50	11.00	8.20	7.20	3125	2635	2360	3.94	2.64	⁴ CBX27UH-036 (Up-Flow / Horizontal)	Factory TXV
35,600	35,200	21,000	14.00	11.50	8.50	7.20	3095	2585	2305	4.00	2.66	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
XPI3-037												3 TON	
35,600	35,200	22,000	14.50	12.00	8.20	7.20	2965	2940	2560	3.50	2.52	⁴ CBX27UH-036 (Up-Flow / Horizontal)	Factory TXV
36,800	35,000	22,000	15.00	12.50	8.50	7.20	2945	2915	2535	3.52	2.54	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
XPI3-042												3.5 TON	
42,500	39,500	25,200	14.50	12.00	8.20	6.70	3540	3035	3070	3.82	2.40	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
42,500	40,000	25,200	14.50	12.00	8.20	6.70	3540	3045	3080	3.86	2.40	⁴ CBX27UH-048 (Up-Flow / Horizontal)	² 49L25
XPI3-048												4 TON	
48,000	44,500	28,400	13.50	11.50	8.20	7.20	4175	3510	3230	3.72	2.58	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV
47,500	44,500	28,200	13.50	11.50	8.20	7.20	4130	3530	3245	3.70	2.54	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
XPI3-060												5 TON	
55,500	56,500	36,400	13.00	11.00	7.70	6.70	5225	4855	4325	3.42	2.46	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV

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High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.
Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**

⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS

HP13

¹ ARI Standard 210/240 Ratings

Capacity - Btuh			Efficiency				Total Watts			COP		Indoor Unit Model No.	Expansion Device
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat		
	IV	V											
HP13-030													2.5 TON
31,200	28,200	17,500	13.50	12.00	7.70	6.70	2600	2350	2320	3.52	2.20	⁴ CB27UH-030 (Up-Flow / Horizontal)	Factory TXV
31,200	28,200	17,400	13.50	12.00	7.70	6.70	2600	2335	2300	3.54	2.22	⁴ CB27UH-036 (Up-Flow / Horizontal)	Factory TXV
HP13-036													3 TON
34,800	33,200	20,600	13.50	11.00	7.70	6.70	3165	2705	2570	3.60	2.34	⁴ CB27UH-036 (Up-Flow / Horizontal)	² 56J20
36,400	33,000	20,400	14.00	12.00	7.70	6.70	3035	2700	2505	3.58	2.38	⁴ CB27UH-042 (Up-Flow / Horizontal)	Factory TXV
HP13-048													4 TON
49,500	47,500	30,200	13.00	11.00	8.50	7.50	4500	3690	3435	3.78	2.58	⁴ CB27UH-048 (Up-Flow / Horizontal)	Factory TXV
49,000	47,500	30,200	13.00	11.00	8.50	7.50	4455	3660	3420	3.80	2.58	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV
HP13-060													5 TON
55,000	55,500	35,400	13.00	11.00	7.70	6.70	5030	4625	3985	3.52	2.60	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV

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High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**

⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS

13HPX

¹ ARI Standard 210/240 Ratings

Capacity - Btuh			Efficiency				Total Watts			COP		Indoor Unit Model No.	Expansion Device
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat		
	IV	V											
13HPX-030													2.5 TON
29,000	27,400	16,500	14.00	12.00	8.50	7.20	2415	2080	1900	3.86	2.54	⁴ CBX27UH-030 (Up-Flow / Horizontal)	Factory TXV
29,000	27,400	16,400	14.00	12.00	8.50	7.20	2415	2065	1885	3.88	2.54	⁴ CBX27UH-036 (Up-Flow / Horizontal)	² 49L24
13HPX-036													3 TON
34,200	33,800	21,000	13.50	11.00	8.20	7.20	3110	2605	2380	3.80	2.58	⁴ CBX27UH-036 (Up-Flow / Horizontal)	Factory TXV
35,400	33,800	21,000	14.00	11.50	8.50	7.20	3080	2545	2330	3.90	2.64	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
13HPX-042													3.5 TON
42,500	41,000	25,400	14.00	12.00	8.20	7.20	3540	3345	3035	3.60	2.46	⁴ CBX27UH-042 (Up-Flow / Horizontal)	Factory TXV
42,500	41,000	25,400	14.00	12.00	8.20	7.20	3540	3355	3045	3.58	2.44	⁴ CBX27UH-048 (Up-Flow / Horizontal)	² 49L25
13HPX-048													4 TON
47,500	45,500	29,400	13.50	11.00	8.20	7.20	4320	3780	3445	3.52	2.50	⁴ CBX27UH-048 (Up-Flow / Horizontal)	Factory TXV
47,000	45,500	29,200	13.50	11.00	7.70	7.20	4275	3795	3460	3.52	2.48	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
13HPX-060													5 TON
57,000	56,000	36,400	13.00	11.00	7.70	6.70	5340	4890	4375	3.36	2.44	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV
13HPX-061													5 TON
55,500	56,000	36,600	13.50	11.50	8.20	7.20	4825	4890	4270	3.36	2.50	⁴ CBX27UH-060 (Up-Flow / Horizontal)	Factory TXV

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Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

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⁴ Blower control must be set for a time-off blower delay.

ARI RATINGS
13HPD
¹ ARI Standard 210/240 Ratings

Capacity - Btuh			Efficiency				Total Watts			COP		Indoor Unit Model No.	Expansion Device
Cooling	High Temp. Heating	Low Temp. Heating	SEER	EER	HSPF		Cool	High Heat	Low Heat	High Heat	Low Heat		
	IV	V											
13HPD-030												2.5 TON	
31,200	28,200	17,500	13.50	12.00	7.70	6.70	2600	2350	2320	3.52	2.20	⁴ CB27UH-030 (Up-Flow / Horizontal)	Factory TXV
31,200	28,200	17,400	13.50	12.00	7.70	6.70	2600	2335	2300	3.54	2.22	⁴ CB27UH-036 (Up-Flow / Horizontal)	Factory TXV
13HPD-036												3 TON	
34,800	33,200	20,600	13.50	11.00	7.70	6.70	3165	2705	2570	3.60	2.34	⁴ CB27UH-036 (Up-Flow / Horizontal)	Factory TXV
36,400	33,000	20,400	14.00	12.00	7.70	6.70	3035	2700	2505	3.58	2.38	⁴ CB27UH-042 (Up-Flow / Horizontal)	² 56J20
13HPD-048												4 TON	
49,500	47,500	30,200	13.00	11.00	8.50	7.50	4500	3690	3435	3.78	2.58	⁴ CB27UH-048 (Up-Flow / Horizontal)	Factory TXV
49,000	47,500	30,200	13.00	11.00	8.50	7.50	4455	3660	3420	3.80	2.58	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV
13HPD-060												5 TON	
54,000	55,000	35,400	13.00	11.00	7.70	6.70	4950	4580	3950	3.52	2.62	⁴ CB27UH-060 (Up-Flow / Horizontal)	Factory TXV

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High Temperature Heating Ratings - 47°F (8°C) db/43°F (6°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

Low Temperature Heating Ratings - 17°F (-8.3°C) db/15°F (-9.4°C) wb outdoor air temperature and 70°F (21°C) db entering indoor coil air.

² **Factory installed expansion valve or RFC on indoor unit MUST be replaced with valve specified.**
⁴ Blower control must be set for a time-off blower delay.

EXPANDED RATING TABLES

XP19 - 2 TON

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 - XP19-024 with

[CBX27UH-030]

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)	725	340	20.6	6.0	.83	.83	.99	1.00	19.6	5.7	.99	.85	1.00	1.00	18.6	5.5	1.16	.88	1.00	1.00	17.4	5.1	1.37	.92	1.00	1.00
	800	380	21.2	6.2	.83	.86	1.00	1.00	20.2	5.9	.99	.88	1.00	1.00	19.2	5.6	1.17	.92	1.00	1.00	17.9	5.2	1.37	.96	1.00	1.00
67°F (19°C)	725	340	22.2	6.5	.84	.63	.80	.96	20.8	6.1	.99	.65	.82	.98	19.5	5.7	1.17	.67	.85	1.00	18.1	5.3	1.37	.69	.89	1.00
	800	380	22.6	6.6	.84	.65	.83	.99	21.2	6.2	1.00	.67	.86	1.00	19.9	5.8	1.17	.69	.89	1.00	18.4	5.4	1.38	.71	.93	1.00
71°F (22°C)	725	340	23.6	6.9	.85	.46	.62	.77	22.4	6.6	1.00	.47	.63	.79	21.0	6.2	1.18	.48	.65	.82	19.4	5.7	1.38	.49	.67	.86
	800	380	24.0	7.0	.85	.47	.64	.80	22.8	6.7	1.00	.48	.65	.83	21.2	6.2	1.18	.49	.67	.86	19.8	5.8	1.38	.50	.70	.90

SECOND STAGE COOLING CAPACITY - XP19-024 with

[CBX27UH-030]

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)	725	340	24.2	7.1	1.40	.77	.92	1.00	22.8	6.7	1.62	.79	.96	1.00	21.4	6.3	1.86	.82	.99	1.00	19.8	5.8	2.14	.85	1.00	1.00
	800	380	24.8	7.3	1.40	.80	.96	1.00	23.4	6.9	1.62	.82	.99	1.00	21.8	6.4	1.87	.85	1.00	1.00	20.4	6.0	2.15	.89	1.00	1.00
67°F (19°C)	725	340	25.8	7.6	1.41	.60	.75	.89	24.4	7.2	1.63	.62	.77	.92	22.8	6.7	1.88	.63	.79	.95	21.0	6.2	2.16	.65	.83	.99
	800	380	26.4	7.7	1.42	.62	.77	.92	24.8	7.3	1.64	.63	.80	.95	23.2	6.8	1.88	.65	.82	.99	21.4	6.3	2.16	.67	.86	1.00
71°F (22°C)	725	340	27.4	8.0	1.43	.45	.59	.72	25.8	7.6	1.65	.46	.60	.74	24.2	7.1	1.90	.46	.62	.77	22.2	6.5	2.18	.47	.64	.80
	800	380	28.0	8.2	1.43	.46	.60	.75	26.2	7.7	1.65	.46	.62	.77	24.6	7.2	1.90	.47	.64	.80	22.8	6.7	2.18	.48	.66	.83

FIRST STAGE HEATING CAPACITY - XP19-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh
725	340	22.1	6.5	1.74	21.9	6.4	1.46	21.5	6.3	1.16	19.0	5.6	1.00	8.8	2.6	.76				
800	380	22.4	6.6	1.70	22.1	6.5	1.42	21.8	6.4	1.12	19.3	5.7	.95	9.1	2.7	.72				

SECOND STAGE HEATING CAPACITY - XP19-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)				60°F (16°C)				55°F (13°C)				50°F (10°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
cfm	L/s	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW
725	340	16.6	4.9	1.01	16.6	4.9	1.02	16.5	4.8	1.03	16.4	4.8	1.04			
800	380	16.8	4.9	.98	16.7	4.9	.99	16.7	4.9	1.00	16.6	4.9	1.01			

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP19-024 with

[CBX27UH-030]

Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.70	22.4	6.6
60	16	1.63	22.4	6.6
55	13	1.57	22.3	6.5
50	10	1.51	22.3	6.5
47	8	1.47	22.2	6.5
45	7	1.42	22.1	6.5
40	4	1.28	21.9	6.4
35	2	1.14	21.7	6.4
30	-1	1.13	21.8	6.4
25	-4	1.12	21.8	6.4
20	-7	1.11	21.9	6.4
17	-8	1.10	21.9	6.4
15	-9	1.07	21.9	6.4
10	-12	1.01	21.9	6.4
5	-15	.95	19.3	5.7
0	-18	.89	16.8	4.9
-5	-21	.84	14.2	4.2
-10	-23	.78	11.7	3.4
-15	-26	.72	9.1	2.7
-20	-29	.66	6.6	1.9

EXPANDED RATING TABLES

XP19 - 3 TON

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 - XP19-036 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	26.6	7.8	1.18	.78	.94	1.00	25.2	7.4	1.38	.80	.97	1.00	23.6	6.9	1.59	.83	.99	1.00	22.2	6.5	1.85	.86	1.00	1.00
1000	470	27.6	8.1	1.19	.83	.99	1.00	26.2	7.7	1.38	.85	1.00	1.00	24.8	7.3	1.60	.88	1.00	1.00	23.4	6.9	1.86	.92	1.00	1.00	
67°F (19°C)	840	395	28.4	8.3	1.20	.61	.76	.90	27.0	7.9	1.39	.62	.77	.93	25.4	7.4	1.60	.63	.80	.96	23.6	6.9	1.86	.65	.83	.99
1000	470	29.6	8.7	1.20	.64	.80	.96	27.8	8.1	1.39	.65	.82	.98	26.2	7.7	1.61	.67	.85	1.00	24.4	7.2	1.86	.69	.89	1.00	
71°F (22°C)	840	395	30.2	8.9	1.21	.45	.59	.73	28.8	8.4	1.40	.46	.60	.75	27.0	7.9	1.62	.46	.62	.77	25.2	7.4	1.87	.47	.64	.80
1000	470	31.4	9.2	1.22	.47	.62	.77	29.8	8.7	1.41	.47	.63	.80	28.0	8.2	1.62	.48	.65	.82	26.0	7.6	1.88	.49	.68	.86	

SECOND STAGE COOLING CAPACITY - XP19-036 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	34.0	10.0	2.21	.75	.90	1.00	32.0	9.4	2.47	.77	.92	1.00	29.8	8.7	2.76	.80	.96	1.00	27.6	8.1	3.09	.83	.99	1.00
1200	565	35.2	10.3	2.22	.80	.96	1.00	33.2	9.7	2.48	.82	.98	1.00	31.0	9.1	2.78	.85	1.00	1.00	29.0	8.5	3.11	.88	1.00	1.00	
67°F (19°C)	1000	470	36.0	10.6	2.23	.59	.73	.86	34.0	10.0	2.50	.60	.75	.89	31.8	9.3	2.79	.62	.77	.92	29.6	8.7	3.12	.63	.80	.96
1200	565	37.4	11.0	2.25	.62	.77	.92	35.2	10.3	2.51	.63	.79	.95	33.0	9.7	2.80	.65	.82	.98	30.4	8.9	3.13	.67	.86	1.00	
71°F (22°C)	1000	470	38.0	11.1	2.25	.45	.58	.70	36.0	10.6	2.52	.45	.59	.72	33.8	9.9	2.81	.46	.60	.74	31.2	9.1	3.15	.46	.62	.77
1200	565	39.5	11.6	2.27	.46	.60	.75	37.4	11.0	2.53	.46	.62	.77	35.0	10.3	2.83	.47	.64	.80	32.4	9.5	3.16	.48	.66	.83	

FIRST STAGE HEATING CAPACITY - XP19-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW				
840	395	22.1	6.5	1.43	22.0	6.4	1.46	21.9	6.4	1.48	21.8	6.4	1.51
1000	470	22.5	6.6	1.36	22.4	6.6	1.39	22.2	6.5	1.41	22.1	6.5	1.43

SECOND STAGE HEATING CAPACITY - XP19-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
1000	470	33.1	9.7	2.74	30.5	8.9	2.22	27.6	8.1	1.66	23.9	7.0	1.38	11.0	3.2	1.09
1200	565	33.9	9.9	2.64	31.3	9.2	2.12	28.5	8.4	1.56	24.8	7.3	1.28	11.9	3.5	.99

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.64	33.9	9.9
60	16	2.53	33.4	9.8
55	13	2.41	32.9	9.6
50	10	2.29	32.3	9.5
47	8	2.22	32.0	9.4
45	7	2.12	31.3	9.2
40	4	1.87	29.7	8.7
35	2	1.61	28.1	8.2
30	-1	1.59	28.3	8.3
25	-4	1.56	28.5	8.4
20	-7	1.54	28.6	8.4
17	-8	1.52	28.7	8.4
15	-9	1.47	28.5	8.4
10	-12	1.36	28.0	8.2
5	-15	1.28	24.8	7.3
0	-18	1.21	21.5	6.3
-5	-21	1.13	18.3	5.4
-10	-23	1.06	15.1	4.4
-15	-26	.99	11.9	3.5
-20	-29	.91	8.6	2.5

EXPANDED RATING TABLES

XP19 - 3 TON

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 - XP19-036 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	28.4	8.3	1.19	.83	.99	1.00	27.0	7.9	1.39	.86	1.00	1.00	25.6	7.5	1.61	.88	1.00	1.00	24.0	7.0	1.86	.92	1.00	1.00
1200	565	30.0	8.8	1.21	.89	1.00	1.00	28.6	8.4	1.40	.92	1.00	1.00	27.0	7.9	1.62	.95	1.00	1.00	25.4	7.4	1.87	.99	1.00	1.00	
67°F (19°C)	1000	470	30.2	8.9	1.21	.64	.80	.96	28.6	8.4	1.40	.65	.83	.99	26.8	7.9	1.62	.67	.86	1.00	25.0	7.3	1.87	.69	.89	1.00
1200	565	31.4	9.2	1.22	.67	.86	1.00	29.6	8.7	1.41	.69	.89	1.00	27.8	8.1	1.62	.71	.92	1.00	26.0	7.6	1.88	.74	.95	1.00	
71°F (22°C)	1000	470	32.2	9.4	1.22	.47	.63	.78	30.4	8.9	1.41	.47	.64	.80	28.6	8.4	1.63	.48	.66	.83	26.6	7.8	1.88	.49	.68	.86
1200	565	33.4	9.8	1.23	.48	.66	.83	31.6	9.3	1.42	.49	.68	.86	29.6	8.7	1.64	.50	.70	.90	27.6	8.1	1.89	.51	.73	.93	

SECOND STAGE COOLING CAPACITY - XP19-036 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	35.0	10.3	2.22	.75	.90	1.00	33.0	9.7	2.48	.77	.92	1.00	30.8	9.0	2.77	.80	.96	1.00	28.6	8.4	3.11	.83	.99	1.00
1200	565	36.2	10.6	2.23	.80	.96	1.00	34.2	10.0	2.50	.82	.98	1.00	32.0	9.4	2.79	.85	1.00	1.00	30.0	8.8	3.13	.89	1.00	1.00	
67°F (19°C)	1000	470	37.2	10.9	2.24	.59	.73	.86	35.0	10.3	2.51	.60	.75	.89	32.8	9.6	2.80	.62	.77	.92	30.4	8.9	3.13	.63	.80	.96
1200	565	38.5	11.3	2.26	.62	.77	.92	36.4	10.7	2.52	.63	.79	.95	34.0	10.0	2.82	.65	.82	.99	31.4	9.2	3.15	.67	.86	1.00	
71°F (22°C)	1000	470	39.5	11.6	2.27	.45	.58	.70	37.2	10.9	2.53	.45	.59	.72	34.8	10.2	2.83	.45	.60	.74	32.2	9.4	3.16	.46	.62	.77
1200	565	41.0	12.0	2.28	.46	.61	.75	38.5	11.3	2.55	.46	.62	.77	36.0	10.6	2.85	.47	.64	.80	33.4	9.8	3.18	.48	.66	.83	

FIRST STAGE HEATING CAPACITY - XP19-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470		22.6	6.6	1.35	22.5	6.6	1.37	22.3	6.5	1.39	22.2	6.5	1.41
1200	565		23.0	6.7	1.29	22.9	6.7	1.31	22.7	6.7	1.33	22.6	6.6	1.35

SECOND STAGE HEATING CAPACITY - XP19-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470		33.0	9.7	2.76	30.8	9.0	2.18	28.4	8.3	1.55	24.7	7.2	1.26
1200	565		33.7	9.9	2.66	31.5	9.2	2.07	29.1	8.5	1.44	25.4	7.4	1.16

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP19-036 with

[CBX27UH-042]

Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.66	33.7	9.9
60	16	2.53	33.2	9.7
55	13	2.40	32.8	9.6
50	10	2.27	32.3	9.5
47	8	2.19	32.1	9.4
45	7	2.07	31.5	9.2
40	4	1.78	30.2	8.9
35	2	1.49	28.8	8.4
30	-1	1.47	29.0	8.5
25	-4	1.44	29.1	8.5
20	-7	1.42	29.3	8.6
17	-8	1.41	29.4	8.6
15	-9	1.35	29.2	8.6
10	-12	1.22	28.8	8.4
5	-15	1.16	25.4	7.4
0	-18	1.10	22.1	6.5
-5	-21	1.03	18.8	5.5
-10	-23	.97	15.5	4.5
-15	-26	.91	12.1	3.5
-20	-29	.84	8.8	2.6

EXPANDED RATING TABLES

XP19 - 4 TON

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 - XP19-048 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)	1175	555	36.4	10.7	1.53	.79	.95	1.00	34.6	10.1	1.77	.81	.97	1.00	32.6	9.6	2.04	.83	1.00	1.00	31.0	9.1	2.35	.86	1.00	1.00
	1455	685	38.5	11.3	1.53	.85	1.00	1.00	36.6	10.7	1.76	.87	1.00	1.00	35.0	10.3	2.03	.90	1.00	1.00	33.2	9.7	2.33	.94	1.00	1.00
67°F (19°C)	1175	555	39.0	11.4	1.52	.61	.76	.91	37.0	10.8	1.76	.63	.78	.93	35.0	10.3	2.03	.64	.80	.96	32.8	9.6	2.33	.65	.83	.99
	1455	685	41.0	12.0	1.52	.65	.82	.98	39.0	11.4	1.75	.66	.84	1.00	36.6	10.7	2.02	.68	.87	1.00	34.2	10.0	2.32	.70	.90	1.00
71°F (22°C)	1175	555	41.5	12.2	1.52	.46	.60	.74	39.5	11.6	1.75	.46	.61	.75	37.4	11.0	2.01	.46	.62	.77	35.2	10.3	2.31	.47	.64	.80
	1455	685	43.5	12.7	1.51	.47	.64	.79	41.5	12.2	1.75	.48	.65	.82	39.0	11.4	2.01	.48	.67	.84	36.8	10.8	2.30	.49	.68	.87

SECOND STAGE COOLING CAPACITY - XP19-048 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	46.0	13.5	2.70	.77	.91	1.00	43.5	12.7	3.03	.78	.94	1.00	41.0	12.0	3.40	.80	.97	1.00	38.5	11.3	3.80	.83	.99	1.00
	1600	755	47.5	13.9	2.71	.80	.96	1.00	45.0	13.2	3.04	.82	.98	1.00	42.5	12.5	3.41	.84	1.00	1.00	40.0	11.7	3.82	.87	1.00	1.00
67°F (19°C)	1400	660	49.0	14.4	2.73	.60	.74	.87	46.5	13.6	3.06	.61	.76	.90	44.0	12.9	3.43	.62	.78	.93	41.0	12.0	3.83	.64	.80	.96
	1600	755	50.5	14.8	2.74	.62	.77	.92	48.0	14.1	3.07	.63	.79	.95	45.0	13.2	3.44	.64	.81	.97	42.0	12.3	3.85	.66	.84	1.00
71°F (22°C)	1400	660	52.0	15.2	2.75	.45	.58	.71	49.5	14.5	3.09	.45	.59	.73	46.5	13.6	3.46	.46	.61	.75	43.5	12.7	3.87	.46	.62	.78
	1600	755	53.5	15.7	2.77	.46	.60	.74	51.0	14.9	3.10	.46	.62	.76	48.0	14.1	3.47	.47	.63	.79	45.0	13.2	3.88	.47	.65	.82

FIRST STAGE HEATING CAPACITY - XP19-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity	Comp. Motor kW Input	kW	Total Heating Capacity	Comp. Motor kW Input	kW	Total Heating Capacity	Comp. Motor kW Input	kW	Total Heating Capacity	Comp. Motor kW Input	kW
kBtuh	kBtuh	kBtuh			kBtuh								
1175	555	30.4	8.9	2.00	30.1	8.8	2.04	29.8	8.7	2.08	29.5	8.6	2.11
1455	685	31.2	9.1	1.89	30.9	9.1	1.93	30.6	9.0	1.97	30.3	8.9	2.00

SECOND STAGE HEATING CAPACITY - XP19-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)						
		Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input					
kBtuh	kW	kBtuh		kW		kBtuh		kW		kBtuh		kW	kBtuh	kW		
1400	660	46.4	13.6	3.61	42.8	12.5	2.89	38.6	11.3	2.12	33.6	9.8	1.74	15.7	4.6	1.37
1600	755	47.3	13.9	3.51	43.6	12.8	2.79	39.5	11.6	2.02	34.5	10.1	1.64	16.5	4.8	1.27

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP19-048 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.51	47.2	13.8
60	16	3.35	46.5	13.6
55	13	3.19	45.7	13.4
50	10	3.02	44.9	13.2
47	8	2.93	44.5	13.0
45	7	2.79	43.5	12.7
40	4	2.44	41.1	12.0
35	2	2.10	38.8	11.4
30	-1	2.06	39.1	11.5
25	-4	2.02	39.4	11.5
20	-7	1.98	39.7	11.6
17	-8	1.96	39.9	11.7
15	-9	1.89	39.6	11.6
10	-12	1.73	38.9	11.4
5	-15	1.64	34.4	10.1
0	-18	1.55	29.9	8.8
-5	-21	1.45	25.4	7.4
-10	-23	1.36	20.9	6.1
-15	-26	1.27	16.5	4.8
-20	-29	1.18	12.0	3.5

EXPANDED RATING TABLES

XPI9 - 4 TON

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 - XP19-048 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		
			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	35.6	10.4	1.53	.80	.95	1.00	34.2	10.0	1.78	.82	.97	1.00	32.6	9.6	2.04	.84	1.00	1.00	31.0	9.1	2.35	.87	1.00	1.00
1600	755	38.0	11.1	1.53	.86	1.00	1.00	36.8	10.8	1.76	.88	1.00	1.00	35.2	10.3	2.03	.91	1.00	1.00	33.4	9.8	2.33	.94	1.00	1.00	
67°F (19°C)	1260	595	38.0	11.1	1.53	.63	.77	.91	36.4	10.7	1.76	.64	.79	.94	34.6	10.1	2.03	.65	.81	.96	32.6	9.6	2.33	.67	.84	.99
1600	755	40.0	11.7	1.52	.66	.83	.98	38.0	11.1	1.76	.68	.85	1.00	36.2	10.6	2.02	.69	.88	1.00	34.2	10.0	2.32	.71	.92	1.00	
71°F (22°C)	1260	595	40.5	11.9	1.52	.47	.61	.75	39.0	11.4	1.76	.47	.62	.76	36.8	10.8	2.02	.48	.64	.78	34.8	10.2	2.32	.48	.65	.81
1600	755	43.0	12.6	1.51	.48	.65	.80	41.0	12.0	1.75	.49	.66	.83	38.5	11.3	2.01	.50	.68	.85	36.4	10.7	2.30	.51	.70	.89	

SECOND STAGE COOLING CAPACITY - XP19-048 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	43.5	12.7	2.68	.74	.87	.98	41.5	12.2	3.01	.76	.89	1.00	39.5	11.6	3.38	.77	.92	1.00	37.2	10.9	3.79	.80	.95	1.00
1600	755	46.0	13.5	2.70	.79	.93	1.00	44.0	12.9	3.03	.80	.96	1.00	42.0	12.3	3.41	.83	.98	1.00	39.5	11.6	3.82	.86	1.00	1.00	
67°F (19°C)	1260	595	46.5	13.6	2.70	.59	.72	.83	44.5	13.0	3.04	.60	.73	.86	42.0	12.3	3.41	.61	.75	.88	39.5	11.6	3.82	.63	.77	.91
1600	755	49.0	14.4	2.73	.62	.76	.90	47.0	13.8	3.06	.63	.78	.92	44.5	13.0	3.43	.65	.80	.95	41.5	12.2	3.84	.66	.83	.98	
71°F (22°C)	1260	595	49.0	14.4	2.73	.45	.58	.69	47.0	13.8	3.06	.46	.59	.71	44.5	13.0	3.43	.46	.60	.72	42.0	12.3	3.84	.47	.61	.75
1600	755	52.0	15.2	2.75	.47	.61	.74	49.5	14.5	3.09	.47	.62	.76	47.0	13.8	3.46	.48	.63	.78	44.0	12.9	3.87	.48	.65	.81	

FIRST STAGE HEATING CAPACITY - XP19-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595		30.6	9.0	1.99	30.2	8.9	2.02	29.8	8.7	2.06	29.5	8.6	2.10
1600	755		31.6	9.3	1.87	31.3	9.2	1.91	30.9	9.1	1.95	30.6	9.0	1.99

SECOND STAGE HEATING CAPACITY - XP19-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595		45.4	13.3	3.77	42.0	12.3	2.99	38.2	11.2	2.17	33.3	9.8	1.78
1600	755		46.9	13.7	3.58	43.6	12.8	2.81	39.8	11.7	1.98	34.9	10.2	1.59

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP19-048 with

[CBX27UH-060]

Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C			kBtuh	kW
65	18		3.58	46.9	13.7
60	16		3.41	46.3	13.6
55	13		3.23	45.6	13.4
50	10		3.06	44.9	13.2
47	8		2.96	44.5	13.0
45	7		2.81	43.6	12.8
40	4		2.44	41.3	12.1
35	2		2.06	39.0	11.4
30	-1		2.02	39.4	11.5
25	-4		1.98	39.8	11.7
20	-7		1.94	40.2	11.8
17	-8		1.92	40.4	11.8
15	-9		1.85	40.1	11.8
10	-12		1.68	39.4	11.5
5	-15		1.59	34.9	10.2
0	-18		1.50	30.3	8.9
-5	-21		1.41	25.8	7.6
-10	-23		1.33	21.2	6.2
-15	-26		1.24	16.7	4.9
-20	-29		1.15	12.1	3.5

EXPANDED RATING TABLES

XP19 - 5 TON

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 - XP19-060 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		
			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	41.5	12.2	2.02	.75	.88	1.00	40.0	11.7	2.36	.77	.91	1.00	38.0	11.1	2.74	.79	.93	1.00	36.0	10.6	3.17	.81	.96	1.00
1600	755	44.0	12.9	2.01	.80	.95	1.00	42.0	12.3	2.34	.82	.97	1.00	40.5	11.9	2.72	.84	1.00	1.00	38.5	11.3	3.15	.87	1.00	1.00	
67°F (19°C)	1260	595	44.5	13.0	2.01	.60	.73	.85	42.5	12.5	2.34	.61	.74	.87	40.5	11.9	2.72	.62	.76	.90	38.0	11.1	3.15	.63	.78	.93
1600	755	46.5	13.6	2.00	.63	.78	.92	44.5	13.0	2.33	.64	.79	.94	42.5	12.5	2.70	.65	.82	.97	40.0	11.7	3.13	.67	.84	1.00	
71°F (22°C)	1260	595	47.0	13.8	2.00	.46	.59	.71	45.0	13.2	2.33	.46	.60	.72	43.0	12.6	2.70	.46	.60	.73	40.5	11.9	3.12	.47	.62	.76
1600	755	49.5	14.5	1.99	.47	.62	.75	47.5	13.9	2.32	.48	.63	.77	45.0	13.2	2.69	.48	.64	.79	42.5	12.5	3.11	.49	.66	.82	

SECOND STAGE COOLING CAPACITY - XP19-060 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)	1600	755	55.5	16.3	3.60	.74	.87	.98	53.0	15.5	4.05	.76	.89	1.00	50.0	14.7	4.54	.78	.92	1.00	47.0	13.8	5.09	.80	.95	1.00
2000	945	58.0	17.0	3.64	.78	.93	1.00	55.5	16.3	4.08	.80	.95	1.00	53.0	15.5	4.58	.82	.98	1.00	49.5	14.5	5.13	.83	1.00	1.00	
67°F (19°C)	1600	755	58.5	17.1	3.64	.59	.72	.84	56.0	16.4	4.09	.60	.73	.86	53.0	15.5	4.58	.61	.75	.88	50.0	14.7	5.14	.63	.77	.91
2000	945	61.5	18.0	3.68	.62	.76	.89	58.5	17.1	4.13	.63	.78	.92	55.5	16.3	4.62	.64	.80	.95	52.0	15.2	5.17	.66	.83	.98	
71°F (22°C)	1600	755	61.5	18.0	3.68	.46	.58	.69	59.0	17.3	4.13	.46	.59	.71	56.0	16.4	4.63	.46	.60	.73	52.5	15.4	5.18	.47	.61	.75
2000	945	65.0	19.0	3.72	.46	.61	.74	62.0	18.2	4.17	.47	.62	.75	58.5	17.1	4.66	.48	.63	.78	55.0	16.1	5.22	.48	.65	.80	

FIRST STAGE HEATING CAPACITY - XP19-060 with

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input				
kBtuh	kW	kBtuh		kW		kBtuh		kW		kBtuh	kW		
1260	595	37.5	11.0	2.80	37.1	10.9	2.87	36.7	10.8	2.94	36.3	10.6	3.01
1600	755	38.8	11.4	2.60	38.4	11.3	2.67	38.0	11.1	2.73	37.5	11.0	2.80

SECOND STAGE HEATING CAPACITY - XP19-060 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)						
		Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input					
kBtuh	kW	kBtuh		kW		kBtuh		kW		kBtuh		kW	kBtuh	kW		
1600	755	57.1	16.7	4.84	52.2	15.3	3.92	46.8	13.7	2.95	40.7	11.9	2.41	19.0	5.6	1.88
1800	850	58.0	17.0	4.71	53.1	15.6	3.79	47.7	14.0	2.81	41.6	12.2	2.27	20.0	5.9	1.75
2000	945	59.9	17.6	4.60	55.1	16.1	3.68	49.6	14.5	2.71	43.6	12.8	2.17	21.9	6.4	1.64

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume XP19-060 with

[CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.71	58.0	17.0
60	16	4.50	57.0	16.7
55	13	4.29	56.0	16.4
50	10	4.08	55.0	16.1
47	8	3.95	54.4	15.9
45	7	3.79	53.1	15.6
40	4	3.37	50.0	14.7
35	2	2.96	46.8	13.7
30	-1	2.88	47.3	13.9
25	-4	2.81	47.7	14.0
20	-7	2.74	48.2	14.1
17	-8	2.70	48.5	14.2
15	-9	2.61	48.1	14.1
10	-12	2.41	47.1	13.8
5	-15	2.27	41.6	12.2
0	-18	2.14	36.2	10.6
-5	-21	2.01	30.8	9.0
-10	-23	1.88	25.4	7.4
-15	-26	1.75	20.0	5.9
-20	-29	1.62	14.5	4.2

*Outdoor temperature 70% relative humidity. Indoor temperature 70°F (21°C).

EXPANDED RATING TABLES

XP15 - 2 & 2.5 TON

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.

COOLING CAPACITY - XP15-024 with

[CBX27UH-030]

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)	725	340	24.0	7.0	1.37	.76	.91	1.00	22.8	6.7	1.57	.78	.94	1.00	21.4	6.3	1.80	.80	.97	1.00	19.9	5.8	2.07	.83	1.00	1.00
	800	380	24.6	7.2	1.37	.79	.94	1.00	23.2	6.8	1.57	.81	.97	1.00	21.8	6.4	1.81	.83	1.00	1.00	20.4	6.0	2.06	.86	1.00	1.00
67°F (19°C)	725	340	25.4	7.4	1.37	.60	.74	.87	24.2	7.1	1.57	.61	.76	.90	22.8	6.7	1.80	.62	.78	.93	21.2	6.2	2.07	.64	.81	.97
	800	380	26.0	7.6	1.37	.61	.76	.91	24.6	7.2	1.57	.62	.78	.94	23.2	6.8	1.80	.64	.81	.97	21.4	6.3	2.06	.66	.84	1.00
71°F (22°C)	725	340	26.8	7.9	1.37	.45	.58	.71	25.6	7.5	1.58	.45	.59	.73	24.0	7.0	1.80	.46	.61	.75	22.4	6.6	2.07	.47	.63	.78
	800	380	27.4	8.0	1.37	.45	.60	.74	26.0	7.6	1.57	.46	.61	.76	24.4	7.2	1.80	.47	.63	.78	22.8	6.7	2.07	.47	.65	.81

COOLING CAPACITY - XP15-030 with

[CBX27UH-030]

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)	800	380	28.0	8.2	1.80	.74	.87	.99	26.6	7.8	2.06	.75	.89	1.00	25.0	7.3	2.35	.77	.92	1.00	23.4	6.9	2.70	.79	.96	1.00
	1000	470	29.4	8.6	1.80	.78	.94	1.00	27.8	8.1	2.06	.80	.97	1.00	26.4	7.7	2.35	.83	.99	1.00	24.6	7.2	2.69	.86	1.00	1.00
67°F (19°C)	800	380	29.6	8.7	1.81	.58	.71	.84	28.2	8.3	2.06	.59	.73	.86	26.6	7.8	2.35	.60	.74	.88	25.0	7.3	2.69	.62	.77	.92
	1000	470	31.2	9.1	1.81	.61	.76	.91	29.6	8.7	2.05	.62	.78	.93	28.0	8.2	2.34	.64	.80	.96	26.0	7.6	2.69	.65	.83	.99
71°F (22°C)	800	380	31.4	9.2	1.81	.44	.57	.69	29.8	8.7	2.05	.45	.58	.70	28.2	8.3	2.34	.45	.59	.72	26.4	7.7	2.69	.46	.60	.74
	1000	470	32.8	9.6	1.81	.46	.60	.74	31.2	9.1	2.06	.46	.61	.76	29.4	8.6	2.34	.47	.62	.78	27.6	8.1	2.68	.47	.64	.81

HEATING CAPACITY - XP15-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
725	340	26.4	7.7	1.63	20.3	5.9	1.53	13.9	4.1	1.42	9.9	2.9	1.31	5.0	1.5	.96
800	380	26.6	7.8	1.59	20.5	6.0	1.49	14.1	4.1	1.38	10.1	3.0	1.26	5.2	1.5	.92

HEATING CAPACITY - XP15-030 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	31.4	9.2	2.26	24.1	7.1	2.12	16.4	4.8	1.96	12.0	3.5	1.81	5.8	1.7	1.36
1000	470	32.0	9.4	2.11	24.7	7.2	1.97	17.0	5.0	1.81	12.6	3.7	1.66	6.4	1.9	1.21

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP15-024 with

[CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.59	26.6	7.8
60	16	1.56	25.2	7.4
55	13	1.54	23.8	7.0
50	10	1.52	22.4	6.6
47	8	1.51	21.6	6.3
45	7	1.49	20.5	6.0
40	4	1.43	17.9	5.2
35	2	1.37	15.2	4.5
30	-1	1.37	14.7	4.3
25	-4	1.38	14.1	4.1
20	-7	1.38	13.6	4.0
17	-8	1.38	13.2	3.9
15	-9	1.37	12.7	3.7
10	-12	1.35	11.3	3.3
5	-15	1.26	10.1	3.0
0	-18	1.18	8.8	2.6
-5	-21	1.09	7.6	2.2
-10	-23	1.00	6.4	1.9
-15	-26	.92	5.2	1.5
-20	-29	.83	4.0	1.2

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume XP15-030 with

[CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.11	32.0	9.4
60	16	2.08	30.4	8.9
55	13	2.05	28.7	8.4
50	10	2.02	27.1	7.9
47	8	2.00	26.1	7.6
45	7	1.97	24.7	7.2
40	4	1.88	21.3	6.2
35	2	1.80	17.8	5.2
30	-1	1.80	17.4	5.1
25	-4	1.81	17.0	5.0
20	-7	1.82	16.6	4.9
17	-8	1.82	16.4	4.8
15	-9	1.81	15.7	4.6
10	-12	1.78	14.1	4.1
5	-15	1.66	12.6	3.7
0	-18	1.55	11.0	3.2
-5	-21	1.44	9.5	2.8
-10	-23	1.32	8.0	2.3
-15	-26	1.21	6.4	1.9
-20	-29	1.09	4.9	1.4

EXPANDED RATING TABLES

XP15 - 2.5 & 3 TON

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.

COOLING CAPACITY - XP15-030 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)	840	395	28.2	8.3	1.81	.75	.89	1.00	26.8	7.9	2.05	.76	.91	1.00	25.4	7.4	2.36	.78	.94	1.00	23.6	6.9	2.69	.81	.97	1.00
	1000	470	29.4	8.6	1.80	.78	.94	1.00	27.8	8.1	2.06	.80	.97	1.00	26.4	7.7	2.35	.83	.99	1.00	24.6	7.2	2.69	.86	1.00	1.00
67°F (19°C)	840	395	30.0	8.8	1.81	.59	.72	.85	28.6	8.4	2.06	.60	.74	.87	27.0	7.9	2.35	.61	.76	.90	25.2	7.4	2.69	.62	.78	.94
	1000	470	31.2	9.1	1.81	.61	.76	.91	29.6	8.7	2.05	.62	.78	.93	28.0	8.2	2.34	.64	.80	.96	26.0	7.6	2.69	.65	.83	.99
71°F (22°C)	840	395	31.6	9.3	1.81	.45	.57	.70	30.2	8.9	2.05	.45	.58	.71	28.6	8.4	2.35	.45	.59	.73	26.6	7.8	2.69	.46	.61	.75
	1000	470	32.8	9.6	1.81	.46	.60	.74	31.2	9.1	2.06	.46	.61	.76	29.4	8.6	2.34	.47	.62	.78	27.6	8.1	2.68	.47	.64	.81

COOLING CAPACITY - XP15-036 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	34.0	10.0	2.33	.74	.88	.99	32.2	9.4	2.66	.75	.90	1.00	30.2	8.9	3.03	.77	.93	1.00	28.2	8.3	3.49	.80	.96	1.00
	1200	565	35.2	10.3	2.34	.78	.93	1.00	33.4	9.8	2.67	.80	.96	1.00	31.4	9.2	3.04	.82	.98	1.00	29.4	8.6	3.49	.85	1.00	1.00
67°F (19°C)	1000	470	36.0	10.6	2.34	.58	.71	.84	34.2	10.0	2.67	.59	.73	.86	32.2	9.4	3.04	.60	.75	.89	30.0	8.8	3.49	.62	.77	.93
	1200	565	37.4	11.0	2.35	.61	.75	.90	35.4	10.4	2.68	.62	.77	.92	33.4	9.8	3.05	.63	.80	.95	31.2	9.1	3.48	.65	.83	.98
71°F (22°C)	1000	470	38.0	11.1	2.36	.44	.57	.69	36.2	10.6	2.68	.45	.58	.70	34.0	10.0	3.05	.45	.59	.72	31.8	9.3	3.49	.46	.60	.75
	1200	565	39.5	11.6	2.37	.45	.59	.73	37.4	11.0	2.68	.46	.61	.75	35.4	10.4	3.06	.46	.62	.77	33.0	9.7	3.49	.47	.64	.80

HEATING CAPACITY - XP15-030 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
840	395	31.7	9.3	2.22	24.4	7.2	2.08	16.7	4.9	1.93	12.2	3.6	1.78	6.1	1.8	1.32				
1000	470	31.9	9.3	2.11	24.7	7.2	1.97	17.0	5.0	1.81	12.5	3.7	1.66	6.4	1.9	1.21				

HEATING CAPACITY - XP15-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
1000	470	37.1	10.9	2.54	29.1	8.5	2.33	20.4	6.0	2.11	15.6	4.6	1.87	7.6	2.2	1.40				
1200	565	37.8	11.1	2.42	29.8	8.7	2.21	21.1	6.2	1.99	16.3	4.8	1.75	8.2	2.4	1.28				

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume XP15-030 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.11	31.9	9.3
60	16	2.08	30.3	8.9
55	13	2.05	28.7	8.4
50	10	2.02	27.1	7.9
47	8	2.00	26.1	7.6
45	7	1.97	24.7	7.2
40	4	1.88	21.2	6.2
35	2	1.80	17.8	5.2
30	-1	1.80	17.4	5.1
25	-4	1.81	17.0	5.0
20	-7	1.82	16.6	4.9
17	-8	1.82	16.3	4.8
15	-9	1.81	15.7	4.6
10	-12	1.78	14.0	4.1
5	-15	1.66	12.5	3.7
0	-18	1.55	11.0	3.2
-5	-21	1.44	9.5	2.8
-10	-23	1.32	7.9	2.3
-15	-26	1.21	6.4	1.9
-20	-29	1.09	4.9	1.4

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP15-036 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.42	37.8	11.1
60	16	2.37	36.0	10.6
55	13	2.32	34.2	10.0
50	10	2.27	32.5	9.5
47	8	2.24	31.4	9.2
45	7	2.21	29.8	8.7
40	4	2.13	25.7	7.5
35	2	2.05	21.6	6.3
30	-1	2.02	21.3	6.2
25	-4	1.99	21.1	6.2
20	-7	1.96	20.9	6.1
17	-8	1.94	20.8	6.1
15	-9	1.92	20.0	5.9
10	-12	1.87	18.3	5.4
5	-15	1.75	16.3	4.8
0	-18	1.63	14.3	4.2
-5	-21	1.51	12.3	3.6
-10	-23	1.40	10.2	3.0
-15	-26	1.28	8.2	2.4
-20	-29	1.16	6.2	1.8

EXPANDED RATING TABLES

XP15 - 3 & 3.5 TON

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.

COOLING CAPACITY - XP15-036 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	35.0	10.3	2.34	.74	.88	1.00	33.2	9.7	2.66	.76	.90	1.00	31.2	9.1	3.04	.77	.93	1.00	29.0	8.5	3.49	.80	.96	1.00
	1200	565	36.4	10.7	2.35	.78	.93	1.00	34.4	10.1	2.66	.80	.96	1.00	32.4	9.5	3.05	.82	.99	1.00	30.4	8.9	3.49	.85	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.34	.59	.71	.84	35.2	10.3	2.67	.59	.73	.86	33.2	9.7	3.05	.61	.75	.89	31.0	9.1	3.48	.62	.77	.92
	1200	565	38.5	11.3	2.36	.61	.76	.90	36.6	10.7	2.68	.62	.78	.93	34.4	10.1	3.05	.63	.80	.96	32.0	9.4	3.49	.65	.83	.99
71°F (22°C)	1000	470	39.0	11.4	2.36	.45	.57	.69	37.2	10.9	2.69	.45	.58	.71	35.0	10.3	3.06	.45	.59	.72	32.8	9.6	3.49	.46	.60	.75
	1200	565	40.5	11.9	2.37	.46	.60	.73	38.5	11.3	2.69	.46	.61	.75	36.4	10.7	3.07	.46	.62	.77	34.0	10.0	3.50	.47	.64	.80

COOLING CAPACITY - XP15-042 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)	1200	565	40.0	11.7	2.76	.76	.90	1.00	37.6	11.0	3.15	.78	.93	1.00	35.2	10.3	3.62	.80	.96	1.00	32.6	9.6	4.18	.83	.99	1.00
	1400	660	41.0	12.0	2.78	.79	.95	1.00	38.5	11.3	3.18	.81	.98	1.00	36.2	10.6	3.65	.84	1.00	1.00	34.0	10.0	4.21	.88	1.00	1.00
67°F (19°C)	1200	565	42.5	12.5	2.80	.59	.73	.87	40.0	11.7	3.19	.60	.75	.89	37.4	11.0	3.67	.62	.77	.93	34.6	10.1	4.24	.64	.80	.96
	1400	660	43.5	12.7	2.82	.62	.77	.92	41.0	12.0	3.23	.63	.79	.95	38.5	11.3	3.70	.65	.82	.98	35.6	10.4	4.26	.67	.85	1.00
71°F (22°C)	1200	565	44.5	13.0	2.84	.45	.58	.71	42.0	12.3	3.24	.45	.59	.73	39.5	11.6	3.72	.46	.60	.75	36.8	10.8	4.30	.46	.62	.78
	1400	660	46.0	13.5	2.88	.46	.60	.75	43.5	12.7	3.28	.46	.62	.77	40.5	11.9	3.77	.47	.63	.79	37.8	11.1	4.34	.48	.65	.83

HEATING CAPACITY - XP15-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470	37.3	10.9	2.49	29.2	8.6	2.29	20.6	6.0	2.08	15.7	4.6	1.85	7.7	2.3	1.39
1200	565	37.8	11.1	2.36	29.8	8.7	2.16	21.1	6.2	1.96	16.2	4.7	1.73	8.2	2.4	1.26

HEATING CAPACITY - XP15-042 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1200	565	44.0	12.9	2.96	34.1	10.0	2.75	23.4	6.9	2.51	17.5	5.1	2.30	8.5	2.5	1.70
1400	660	44.8	13.1	2.84	34.8	10.2	2.63	24.2	7.1	2.39	18.2	5.3	2.18	9.3	2.7	1.58

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP15-036 with [CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.36	37.8	11.1
60	16	2.31	36.0	10.6
55	13	2.27	34.3	10.1
50	10	2.22	32.5	9.5
47	8	2.19	31.4	9.2
45	7	2.16	29.8	8.7
40	4	2.09	25.7	7.5
35	2	2.02	21.6	6.3
30	-1	1.99	21.3	6.2
25	-4	1.96	21.1	6.2
20	-7	1.93	20.9	6.1
17	-8	1.91	20.7	6.1
15	-9	1.89	20.0	5.9
10	-12	1.85	18.2	5.3
5	-15	1.73	16.2	4.7
0	-18	1.61	14.2	4.2
-5	-21	1.50	12.2	3.6
-10	-23	1.38	10.2	3.0
-15	-26	1.26	8.2	2.4
-20	-29	1.15	6.2	1.8

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume XP15-042 with [CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.84	44.8	13.1
60	16	2.80	42.6	12.5
55	13	2.75	40.3	11.8
50	10	2.70	38.1	11.2
47	8	2.67	36.8	10.8
45	7	2.63	34.8	10.2
40	4	2.51	29.9	8.8
35	2	2.40	25.0	7.3
30	-1	2.39	24.6	7.2
25	-4	2.39	24.2	7.1
20	-7	2.39	23.8	7.0
17	-8	2.39	23.5	6.9
15	-9	2.37	22.7	6.7
10	-12	2.33	20.4	6.0
5	-15	2.18	18.2	5.3
0	-18	2.03	16.0	4.7
-5	-21	1.88	13.8	4.0
-10	-23	1.73	11.5	3.4
-15	-26	1.58	9.3	2.7
-20	-29	1.44	7.1	2.1

EXPANDED RATING TABLES

XP15 - 3.5 & 4 TON

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.

COOLING CAPACITY - XP15-042 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)	1120	530	39.0	11.4	2.75	.74	.88	1.00	37.0	10.8	3.14	.76	.91	1.00	34.6	10.1	3.61	.78	.94	1.00	32.0	9.4	4.16	.81	.98	1.00
	1400	660	41.0	12.0	2.78	.79	.95	1.00	39.0	11.4	3.18	.81	.98	1.00	36.2	10.6	3.65	.84	1.00	1.00	34.0	10.0	4.21	.88	1.00	1.00
67°F (19°C)	1120	530	41.5	12.2	2.78	.59	.72	.85	39.5	11.6	3.19	.60	.73	.87	36.8	10.8	3.66	.61	.76	.90	34.2	10.0	4.21	.62	.78	.94
	1400	660	43.5	12.7	2.82	.62	.77	.92	41.0	12.0	3.23	.63	.79	.95	38.5	11.3	3.70	.65	.82	.98	35.6	10.4	4.26	.67	.85	1.00
71°F (22°C)	1120	530	44.0	12.9	2.83	.44	.57	.69	41.5	12.2	3.24	.45	.58	.71	39.0	11.4	3.71	.45	.59	.73	36.2	10.6	4.28	.46	.61	.76
	1400	660	46.0	13.5	2.88	.46	.60	.75	43.5	12.7	3.28	.46	.62	.77	40.5	11.9	3.77	.47	.63	.79	37.8	11.1	4.34	.48	.65	.83

COOLING CAPACITY - XP15-048 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	47.0	13.8	2.91	.75	.89	1.00	44.5	13.0	3.33	.77	.92	1.00	41.5	12.2	3.80	.79	.95	1.00	38.5	11.3	4.34	.82	.99	1.00
	1600	755	48.5	14.2	2.91	.78	.94	1.00	45.5	13.3	3.32	.80	.96	1.00	43.0	12.6	3.80	.83	.99	1.00	40.0	11.7	4.33	.86	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.91	.59	.73	.86	47.0	13.8	3.34	.60	.74	.88	44.5	13.0	3.80	.61	.77	.91	41.0	12.0	4.34	.63	.79	.95
	1600	755	51.5	15.1	2.90	.61	.76	.90	48.5	14.2	3.33	.62	.78	.93	45.5	13.3	3.81	.64	.80	.96	42.5	12.5	4.35	.65	.83	.99
71°F (22°C)	1400	660	53.0	15.5	2.90	.44	.58	.70	50.0	14.7	3.33	.45	.59	.72	47.0	13.8	3.81	.46	.60	.74	43.5	12.7	4.33	.46	.62	.77
	1600	755	54.5	16.0	2.89	.45	.60	.73	51.5	15.1	3.33	.46	.61	.75	48.0	14.1	3.81	.46	.62	.78	45.0	13.2	4.35	.47	.64	.81

HEATING CAPACITY - XP15-042 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1120	530	43.7	12.8	3.02	33.7	9.9	2.80	23.1	6.8	2.57	17.1	5.0	2.35	8.2	2.4	1.76				
1400	660	44.8	13.1	2.84	34.9	10.2	2.63	24.2	7.1	2.39	18.2	5.3	2.18	9.3	2.7	1.58				

HEATING CAPACITY - XP15-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1400	660	57.2	16.8	4.12	44.6	13.1	3.68	31.5	9.2	3.22	22.3	6.5	2.82	11.1	3.3	2.12				
1600	755	57.9	17.0	3.96	45.4	13.3	3.53	32.3	9.5	3.07	23.0	6.7	2.67	11.8	3.5	1.97				

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume XP15-042 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.84	44.8	13.1
60	16	2.80	42.6	12.5
55	13	2.75	40.3	11.8
50	10	2.70	38.1	11.2
47	8	2.67	36.8	10.8
45	7	2.63	34.8	10.2
40	4	2.51	29.9	8.8
35	2	2.40	25.0	7.3
30	-1	2.39	24.6	7.2
25	-4	2.39	24.2	7.1
20	-7	2.39	23.8	7.0
17	-8	2.39	23.5	6.9
15	-9	2.37	22.7	6.7
10	-12	2.33	20.4	6.0
5	-15	2.18	18.2	5.3
0	-18	2.03	16.0	4.7
-5	-21	1.88	13.8	4.0
-10	-23	1.73	11.5	3.4
-15	-26	1.58	9.3	2.7
-20	-29	1.44	7.1	2.1

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP15-048 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.96	57.8	16.9
60	16	3.86	54.9	16.1
55	13	3.76	52.0	15.2
50	10	3.66	49.1	14.4
47	8	3.60	47.3	13.9
45	7	3.53	45.3	13.3
40	4	3.35	40.2	11.8
35	2	3.17	35.1	10.3
30	-1	3.12	33.7	9.9
25	-4	3.07	32.2	9.4
20	-7	3.02	30.7	9.0
17	-8	2.99	29.8	8.7
15	-9	2.94	28.7	8.4
10	-12	2.84	25.8	7.6
5	-15	2.67	23.0	6.7
0	-18	2.49	20.2	5.9
-5	-21	2.32	17.4	5.1
-10	-23	2.14	14.6	4.3
-15	-26	1.97	11.8	3.5
-20	-29	1.79	9.0	2.6

EXPANDED RATING TABLES

XP15 - 4 & 5 TON

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.

COOLING CAPACITY - XP15-048 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	2.92	.77	.85	.97	42.5	12.5	3.34	.75	.88	.99	40.5	11.9	3.81	.77	.90	1.00	37.6	11.0	4.35	.79	.94	1.00
1600	755	47.5	13.9	2.91	.73	.92	1.00	45.0	13.2	3.33	.79	.94	1.00	42.5	12.5	3.79	.82	.97	1.00	40.0	11.7	4.33	.85	1.00	1.00	
67°F (19°C)	1260	595	47.5	13.9	2.90	.59	.71	.82	45.0	13.2	3.34	.60	.72	.84	42.5	12.5	3.81	.61	.74	.87	40.0	11.7	4.34	.62	.76	.90
1600	755	50.0	14.7	2.90	.61	.75	.88	47.5	13.9	3.33	.63	.77	.91	45.0	13.2	3.81	.64	.79	.94	42.0	12.3	4.34	.66	.82	.98	
71°F (22°C)	1260	595	50.0	14.7	2.90	.45	.57	.68	47.5	13.9	3.33	.45	.58	.70	45.0	13.2	3.81	.46	.59	.72	42.0	12.3	4.35	.46	.61	.74
1600	755	53.0	15.5	2.89	.46	.60	.73	50.0	14.7	3.33	.47	.61	.75	47.0	13.8	3.81	.47	.63	.77	44.0	12.9	4.34	.48	.64	.80	

COOLING CAPACITY - XP15-060 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)	1600	755	55.5	16.3	3.77	.74	.87	.98	52.5	15.4	4.30	.76	.89	1.00	49.5	14.5	4.93	.78	.92	1.00	46.0	13.5	5.66	.81	.96	1.00
2000	945	58.0	17.0	3.78	.78	.93	1.00	55.0	16.1	4.31	.80	.96	1.00	52.0	15.2	4.93	.83	.98	1.00	48.5	14.2	5.64	.86	1.00	1.00	
67°F (19°C)	1600	755	58.5	17.1	3.78	.59	.72	.83	55.5	16.3	4.32	.60	.73	.86	52.5	15.4	4.94	.61	.75	.89	49.0	14.4	5.66	.63	.78	.93
2000	945	61.5	18.0	3.80	.62	.76	.89	58.5	17.1	4.33	.63	.78	.92	55.0	16.1	4.94	.65	.81	.96	51.0	14.9	5.65	.67	.84	.99	
71°F (22°C)	1600	755	61.5	18.0	3.80	.45	.58	.69	58.5	17.1	4.33	.46	.59	.71	55.0	16.1	4.94	.46	.60	.73	51.5	15.1	5.66	.47	.62	.76
2000	945	64.5	18.9	3.82	.46	.61	.74	61.5	18.0	4.35	.47	.62	.76	57.5	16.9	4.97	.48	.63	.78	53.5	15.7	5.67	.48	.65	.81	

HEATING CAPACITY - XP15-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input		
1260	595	56.4	16.5	4.43	43.9	12.9	3.96	30.9	9.1	3.47	21.8	6.4	3.02	10.6	3.1	2.32
1600	755	57.5	16.9	4.11	45.1	13.2	3.63	32.0	9.4	3.14	22.9	6.7	2.69	11.7	3.4	1.99

HEATING CAPACITY - XP15-060 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input		
1600	755	65.4	19.2	4.91	51.2	15.0	4.44	36.2	10.6	3.95	26.8	7.9	3.44	13.3	3.9	2.58
1800	850	66.1	19.4	4.73	52.0	15.2	4.26	36.9	10.8	3.77	27.5	8.1	3.26	14.0	4.1	2.40
2000	945	67.8	19.9	4.58	53.7	15.7	4.11	38.6	11.3	3.62	29.2	8.6	3.11	15.7	4.6	2.25

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP15-048 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.11	57.5	16.9
60	16	4.00	54.6	16.0
55	13	3.88	51.7	15.2
50	10	3.77	48.8	14.3
47	8	3.70	47.1	13.8
45	7	3.63	45.1	13.2
40	4	3.46	40.0	11.7
35	2	3.28	34.9	10.2
30	-1	3.21	33.5	9.8
25	-4	3.14	32.0	9.4
20	-7	3.07	30.6	9.0
17	-8	3.03	29.8	8.7
15	-9	2.98	28.6	8.4
10	-12	2.87	25.7	7.5
5	-15	2.69	22.9	6.7
0	-18	2.52	20.1	5.9
-5	-21	2.34	17.3	5.1
-10	-23	2.17	14.5	4.2
-15	-26	1.99	11.7	3.4
-20	-29	1.82	8.9	2.6

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume XP15-060 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.73	66.1	19.4
60	16	4.62	62.9	18.4
55	13	4.50	59.7	17.5
50	10	4.39	56.5	16.6
47	8	4.32	54.6	16.0
45	7	4.26	52.0	15.2
40	4	4.09	45.4	13.3
35	2	3.93	38.8	11.4
30	-1	3.85	37.8	11.1
25	-4	3.77	36.9	10.8
20	-7	3.68	36.0	10.6
17	-8	3.64	35.4	10.4
15	-9	3.59	34.1	10.0
10	-12	3.48	30.9	9.1
5	-15	3.26	27.5	8.1
0	-18	3.04	24.1	7.1
-5	-21	2.83	20.8	6.1
-10	-23	2.61	17.4	5.1
-15	-26	2.40	14.0	4.1
-20	-29	2.18	10.6	3.1

EXPANDED RATING TABLES

XP16 - 2 TON

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 - XP16-024 with

[CBX27UH-024]

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)	560	265	19.6	5.7	.84	.77	.91	1.00	18.5	5.4	.99	.78	.94	1.00	17.3	5.1	1.17	.81	.97	1.00	16.1	4.7	1.38	.84	1.00	1.00
600	285	20.0	5.9	.84	.78	.93	1.00	18.8	5.5	1.00	.80	.96	1.00	17.6	5.2	1.17	.83	.99	1.00	16.5	4.8	1.39	.86	1.00	1.00	
67°F (19°C)	560	265	21.0	6.2	.84	.60	.74	.87	19.9	5.8	1.00	.61	.76	.89	18.7	5.5	1.18	.62	.78	.93	17.3	5.1	1.39	.64	.81	.97
600	285	21.4	6.3	.85	.61	.75	.89	20.2	5.9	1.00	.62	.77	.92	19.0	5.6	1.18	.63	.80	.95	17.5	5.1	1.39	.65	.83	.99	
71°F (22°C)	560	265	22.2	6.5	.85	.45	.58	.71	21.2	6.2	1.01	.46	.59	.73	19.9	5.8	1.19	.46	.60	.75	18.5	5.4	1.40	.46	.62	.78
600	285	22.6	6.6	.86	.46	.60	.73	21.4	6.3	1.01	.46	.61	.75	20.2	5.9	1.19	.46	.62	.77	18.8	5.5	1.40	.47	.64	.80	

SECOND STAGE COOLING CAPACITY - XP16-024 with

[CBX27UH-024]

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)	600	285	23.2	6.8	1.48	.73	.87	.99	21.8	6.4	1.68	.75	.90	1.00	20.2	5.9	1.90	.78	.93	1.00	18.7	5.5	2.16	.80	.97	1.00
800	380	24.6	7.2	1.49	.80	.96	1.00	23.2	6.8	1.69	.82	.99	1.00	21.8	6.4	1.92	.85	1.00	1.00	20.2	5.9	2.17	.89	1.00	1.00	
67°F (19°C)	600	285	24.6	7.2	1.49	.58	.71	.83	23.2	6.8	1.69	.59	.73	.86	21.6	6.3	1.92	.60	.75	.89	20.0	5.9	2.17	.62	.78	.93
800	380	26.2	7.7	1.50	.62	.78	.93	24.6	7.2	1.71	.63	.80	.96	23.0	6.7	1.93	.65	.83	.99	21.2	6.2	2.19	.67	.87	1.00	
71°F (22°C)	600	285	26.0	7.6	1.50	.44	.57	.68	24.6	7.2	1.71	.45	.57	.70	23.0	6.7	1.93	.45	.59	.72	21.4	6.3	2.19	.46	.61	.75
800	380	27.6	8.1	1.51	.47	.61	.75	26.0	7.6	1.72	.46	.62	.77	24.4	7.2	1.95	.47	.64	.80	22.6	6.6	2.21	.48	.66	.84	

FIRST STAGE HEATING CAPACITY - XP16-024 with

[CBX27UH-024]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW				
560	265	16.2	4.7	1.14	16.2	4.7	1.15	16.1	4.7	1.16	16.1	4.7	1.17
600	285	16.3	4.8	1.11	16.3	4.8	1.12	16.2	4.7	1.13	16.2	4.7	1.14

SECOND STAGE HEATING CAPACITY - XP16-024 with

[CBX27UH-024]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
600	285	22.0	6.4	1.78	20.6	6.0	1.55	19.1	5.6	1.30	16.5	4.8	1.15	7.5	2.2	.89
800	380	22.7	6.7	1.65	21.3	6.2	1.42	19.8	5.8	1.17	17.2	5.0	1.02	8.2	2.4	.76

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP16-024 with

[CBX27UH-024]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.65	22.7	6.7
60	16	1.60	22.4	6.6
55	13	1.54	22.1	6.5
50	10	1.49	21.8	6.4
47	8	1.46	21.6	6.3
45	7	1.42	21.3	6.2
40	4	1.30	20.5	6.0
35	2	1.19	19.7	5.8
30	-1	1.18	19.8	5.8
25	-4	1.17	19.8	5.8
20	-7	1.16	19.9	5.8
17	-8	1.15	19.9	5.8
15	-9	1.13	19.8	5.8
10	-12	1.08	19.5	5.7
5	-15	1.02	17.2	5.0
0	-18	.95	15.0	4.4
-5	-21	.89	12.7	3.7
-10	-23	.82	10.5	3.1
-15	-26	.76	8.2	2.4
-20	-29	.69	6.0	1.8

EXPANDED RATING TABLES

XPI6 - 2 TON

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 - XP16-024 with

[CBX27UH-030]

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)	725	340	21.0	6.2	.85	.83	.99	1.00	20.0	5.9	1.00	.86	1.00	1.00	18.9	5.5	1.18	.89	1.00	1.00	17.7	5.2	1.39	.93	1.00	1.00
	800	380	21.6	6.3	.85	.86	1.00	1.00	20.6	6.0	1.00	.89	1.00	1.00	19.5	5.7	1.18	.92	1.00	1.00	18.2	5.3	1.39	.96	1.00	1.00
67°F (19°C)	725	340	22.4	6.6	.85	.64	.80	.96	21.2	6.2	1.01	.65	.83	.98	19.8	5.8	1.18	.67	.86	1.00	18.3	5.4	1.40	.69	.90	1.00
	800	380	22.8	6.7	.85	.65	.83	.98	21.6	6.3	1.01	.67	.86	1.00	20.2	5.9	1.19	.69	.89	1.00	18.6	5.5	1.39	.72	.93	1.00
71°F (22°C)	725	340	23.6	6.9	.86	.48	.63	.77	22.6	6.6	1.01	.48	.64	.80	21.2	6.2	1.19	.48	.66	.83	19.7	5.8	1.40	.49	.68	.86
	800	380	24.0	7.0	.86	.48	.64	.80	23.0	6.7	1.02	.49	.66	.83	21.6	6.3	1.19	.49	.67	.86	20.0	5.9	1.40	.50	.70	.90

SECOND STAGE COOLING CAPACITY - XP16-024 with

[CBX27UH-030]

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)	725	340	24.2	7.1	1.48	.78	.93	1.00	22.8	6.7	1.68	.80	.96	1.00	21.2	6.2	1.91	.83	.99	1.00	19.8	5.8	2.17	.86	1.00	1.00
	800	380	24.8	7.3	1.49	.80	.96	1.00	23.2	6.8	1.69	.83	.99	1.00	21.8	6.4	1.92	.86	1.00	1.00	20.4	6.0	2.18	.90	1.00	1.00
67°F (19°C)	725	340	25.8	7.6	1.50	.61	.75	.89	24.2	7.1	1.70	.62	.77	.92	22.6	6.6	1.93	.63	.80	.96	20.8	6.1	2.19	.66	.83	1.00
	800	380	26.2	7.7	1.50	.62	.78	.93	24.8	7.3	1.71	.63	.80	.96	23.0	6.7	1.94	.65	.83	.99	21.2	6.2	2.19	.68	.87	1.00
71°F (22°C)	725	340	27.2	8.0	1.51	.46	.60	.73	25.8	7.6	1.71	.46	.60	.75	24.0	7.0	1.94	.46	.62	.77	22.2	6.5	2.20	.47	.64	.81
	800	380	27.8	8.1	1.52	.46	.61	.76	26.2	7.7	1.72	.47	.62	.78	24.6	7.2	1.95	.47	.64	.80	22.6	6.6	2.21	.48	.66	.84

FIRST STAGE HEATING CAPACITY - XP16-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
725	340	16.6	4.9	1.04	16.6	4.9	1.04	16.5	4.8	1.05	16.4	4.8	1.06
800	380	16.8	4.9	1.01	16.7	4.9	1.02	16.7	4.9	1.03	16.6	4.9	1.04

SECOND STAGE HEATING CAPACITY - XP16-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
725	340	22.0	6.4	1.74	21.2	6.2	1.43	20.3	5.9	1.09	17.8	5.2	.92	8.3	2.4	.71
800	380	22.2	6.5	1.70	21.4	6.3	1.38	20.5	6.0	1.04	18.0	5.3	.88	8.6	2.5	.67

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP16-024 with

[CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C	kW Input		kBtuh	kW
65	18	1.70		22.2	6.5
60	16	1.63		22.1	6.5
55	13	1.56		21.9	6.4
50	10	1.49		21.7	6.4
47	8	1.45		21.6	6.3
45	7	1.38		21.4	6.3
40	4	1.22		20.9	6.1
35	2	1.06		20.4	6.0
30	-1	1.05		20.5	6.0
25	-4	1.04		20.5	6.0
20	-7	1.03		20.6	6.0
17	-8	1.03		20.6	6.0
15	-9	1.00		20.6	6.0
10	-12	.93		20.4	6.0
5	-15	.88		18.0	5.3
0	-18	.83		15.7	4.6
-5	-21	.77		13.3	3.9
-10	-23	.72		10.9	3.2
-15	-26	.67		8.6	2.5
-20	-29	.62		6.2	1.8

EXPANDED RATING TABLES

XP16 - 3 TON

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 - XP16-036 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	27.0	7.9	1.21	.78	.93	1.00	25.6	7.5	1.41	.80	.96	1.00	24.0	7.0	1.64	.82	.99	1.00	22.6	6.6	1.91	.85	1.00	1.00
1000	470	28.2	8.3	1.22	.82	.98	1.00	26.8	7.9	1.42	.85	1.00	1.00	25.4	7.4	1.64	.88	1.00	1.00	23.8	7.0	1.91	.91	1.00	1.00	
67°F (19°C)	840	395	28.8	8.4	1.22	.61	.76	.89	27.4	8.0	1.42	.62	.77	.92	25.8	7.6	1.64	.63	.79	.95	24.0	7.0	1.91	.65	.82	.98
1000	470	29.8	8.7	1.22	.64	.80	.95	28.4	8.3	1.42	.65	.82	.98	26.8	7.9	1.65	.67	.85	1.00	24.8	7.3	1.92	.68	.88	1.00	
71°F (22°C)	840	395	30.6	9.0	1.23	.46	.60	.73	29.2	8.6	1.42	.46	.61	.75	27.4	8.0	1.65	.47	.62	.77	25.8	7.6	1.92	.47	.63	.79
1000	470	31.6	9.3	1.23	.47	.62	.77	30.2	8.9	1.43	.48	.64	.79	28.6	8.4	1.66	.48	.65	.82	26.6	7.8	1.93	.49	.67	.85	

SECOND STAGE COOLING CAPACITY - XP16-036 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	35.2	10.3	2.21	.75	.90	1.00	33.2	9.7	2.50	.77	.92	1.00	31.2	9.1	2.83	.79	.96	1.00	29.0	8.5	3.19	.82	.99	1.00
1200	565	36.4	10.7	2.22	.80	.96	1.00	34.4	10.1	2.51	.82	.98	1.00	32.4	9.5	2.83	.85	1.00	1.00	30.4	8.9	3.21	.88	1.00	1.00	
67°F (19°C)	1000	470	37.2	10.9	2.22	.60	.73	.86	35.2	10.3	2.52	.60	.75	.89	33.2	9.7	2.84	.62	.77	.92	30.8	9.0	3.21	.63	.80	.96
1200	565	38.5	11.3	2.24	.62	.78	.92	36.6	10.7	2.53	.63	.80	.95	34.4	10.1	2.85	.65	.82	.98	31.8	9.3	3.21	.67	.85	1.00	
71°F (22°C)	1000	470	39.0	11.4	2.24	.45	.58	.71	37.2	10.9	2.53	.45	.59	.73	35.0	10.3	2.86	.46	.60	.74	32.8	9.6	3.23	.46	.62	.77
1200	565	40.5	11.9	2.25	.46	.61	.75	38.5	11.3	2.55	.47	.62	.77	36.2	10.6	2.87	.47	.64	.80	33.8	9.9	3.23	.48	.66	.83	

FIRST STAGE HEATING CAPACITY - XP16-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb	Total Heating Capacity	Comp. Motor kW Input	Sensible To Total Ratio (S/T) Dry Bulb
kBtuh	kW	kBtuh			kW			kBtuh			kW		
840	395	23.2	6.8	1.72	23.2	6.8	1.74	23.1	6.8	1.77	23.0	6.7	1.80
1000	470	23.5	6.9	1.64	23.4	6.9	1.67	23.3	6.8	1.69	23.2	6.8	1.72

SECOND STAGE HEATING CAPACITY - XP16-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)			
		Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW		kBtuh		kW		kBtuh		kW	kBtuh
1000	470	34.2	10.0	2.86	31.6	9.3	2.40	28.7	8.4	1.91	24.9	7.3	1.63
1200	565	34.9	10.2	2.74	32.3	9.5	2.28	29.5	8.6	1.79	25.6	7.5	1.50

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP16-036 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.74	34.9	10.2
60	16	2.64	34.3	10.1
55	13	2.53	33.8	9.9
50	10	2.43	33.3	9.8
47	8	2.37	32.9	9.6
45	7	2.28	32.3	9.5
40	4	2.06	30.8	9.0
35	2	1.85	29.2	8.6
30	-1	1.82	29.3	8.6
25	-4	1.79	29.5	8.6
20	-7	1.76	29.6	8.7
17	-8	1.74	29.7	8.7
15	-9	1.70	29.5	8.6
10	-12	1.60	28.9	8.5
5	-15	1.50	25.6	7.5
0	-18	1.41	22.3	6.5
-5	-21	1.32	18.9	5.5
-10	-23	1.23	15.6	4.6
-15	-26	1.14	12.2	3.6
-20	-29	1.05	8.9	2.6

EXPANDED RATING TABLES

XP16 - 3 TON

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 - XP16-036 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	28.8	8.4	1.22	.82	.98	1.00	27.4	8.0	1.42	.85	1.00	1.00	26.0	7.6	1.65	.88	1.00	1.00	24.4	7.2	1.91	.91	1.00	1.00
1200	565	30.2	8.9	1.23	.88	1.00	1.00	29.0	8.5	1.42	.91	1.00	1.00	27.4	8.0	1.65	.94	1.00	1.00	25.8	7.6	1.92	.98	1.00	1.00	
67°F (19°C)	1000	470	30.4	8.9	1.22	.63	.79	.95	29.0	8.5	1.42	.65	.82	.98	27.4	8.0	1.65	.66	.85	1.00	25.4	7.4	1.92	.69	.88	1.00
1200	565	31.4	9.2	1.23	.67	.84	1.00	30.0	8.8	1.43	.69	.88	1.00	28.2	8.3	1.65	.70	.91	1.00	26.2	7.7	1.92	.73	.95	1.00	
71°F (22°C)	1000	470	32.2	9.4	1.23	.47	.62	.77	30.8	9.0	1.43	.47	.63	.79	29.2	8.6	1.66	.48	.65	.82	27.2	8.0	1.92	.49	.67	.85
1200	565	33.4	9.8	1.24	.48	.66	.82	31.8	9.3	1.43	.49	.67	.84	30.2	8.9	1.66	.50	.70	.89	28.0	8.2	1.92	.50	.72	.92	

SECOND STAGE COOLING CAPACITY - XP16-036 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	36.2	10.6	2.22	.76	.90	1.00	34.2	10.0	2.51	.77	.92	1.00	32.0	9.4	2.83	.80	.96	1.00	29.8	8.7	3.20	.82	.99	1.00
1200	565	37.6	11.0	2.23	.80	.96	1.00	35.6	10.4	2.52	.82	.98	1.00	33.4	9.8	2.85	.85	1.00	1.00	31.4	9.2	3.22	.88	1.00	1.00	
67°F (19°C)	1000	470	38.5	11.3	2.23	.60	.73	.86	36.2	10.6	2.53	.61	.75	.89	34.2	10.0	2.84	.62	.77	.92	31.8	9.3	3.22	.63	.80	.96
1200	565	39.5	11.6	2.24	.62	.77	.93	37.6	11.0	2.54	.64	.80	.95	35.2	10.3	2.86	.65	.82	.98	32.8	9.6	3.24	.67	.86	1.00	
71°F (22°C)	1000	470	40.5	11.9	2.25	.45	.58	.70	38.5	11.3	2.54	.45	.59	.73	36.0	10.6	2.86	.46	.60	.75	33.6	9.8	3.24	.46	.62	.77
1200	565	42.0	12.3	2.26	.46	.61	.75	39.5	11.6	2.55	.47	.62	.77	37.4	11.0	2.88	.47	.64	.80	34.8	10.2	3.25	.48	.66	.83	

FIRST STAGE HEATING CAPACITY - XP16-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470		23.6	6.9	1.62	23.5	6.9	1.65	23.4	6.9	1.67	23.3	6.8	1.70
1200	565		24.0	7.0	1.55	23.8	7.0	1.58	23.7	6.9	1.60	23.6	6.9	1.62

SECOND STAGE HEATING CAPACITY - XP16-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1000	470		33.8	9.9	2.92	31.7	9.3	2.39	29.3	8.6	1.81	25.5	7.5	1.52
1200	565		34.5	10.1	2.80	32.3	9.5	2.26	30.0	8.8	1.69	26.1	7.6	1.39

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP16-036 with

[CBX27UH-042]

Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C			kBtuh	kW
65	18	2.80		34.5	10.1
60	16	2.68		34.0	10.0
55	13	2.56		33.6	9.8
50	10	2.44		33.1	9.7
47	8	2.37		32.8	9.6
45	7	2.26		32.3	9.5
40	4	2.01		31.0	9.1
35	2	1.75		29.7	8.7
30	-1	1.72		29.8	8.7
25	-4	1.69		30.0	8.8
20	-7	1.66		30.1	8.8
17	-8	1.64		30.2	8.9
15	-9	1.60		30.0	8.8
10	-12	1.47		29.5	8.6
5	-15	1.39		26.1	7.6
0	-18	1.31		22.7	6.7
-5	-21	1.23		19.3	5.7
-10	-23	1.15		15.9	4.7
-15	-26	1.07		12.5	3.7
-20	-29	.99		9.0	2.6

EXPANDED RATING TABLES

XP16 - 4 TON

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 - XP16-048 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)	1175	555	37.4	11.0	1.69	.79	.94	1.00	35.6	10.4	1.95	.81	.97	1.00	33.6	9.8	2.26	.83	.99	1.00	31.6	9.3	2.59	.86	1.00	1.00
	1455	685	39.5	11.6	1.68	.84	1.00	1.00	37.4	11.0	1.94	.87	1.00	1.00	35.8	10.5	2.24	.90	1.00	1.00	33.8	9.9	2.56	.93	1.00	1.00
67°F (19°C)	1175	555	40.0	11.7	1.68	.62	.76	.91	38.0	11.1	1.94	.62	.78	.93	35.8	10.5	2.23	.64	.80	.96	33.6	9.8	2.57	.65	.83	.99
	1455	685	41.5	12.2	1.68	.65	.82	.97	39.5	11.6	1.93	.66	.84	1.00	37.4	11.0	2.22	.68	.87	1.00	34.8	10.2	2.55	.70	.90	1.00
71°F (22°C)	1175	555	42.0	12.3	1.67	.46	.60	.73	40.5	11.9	1.93	.46	.61	.75	38.0	11.1	2.21	.46	.62	.77	35.8	10.5	2.54	.47	.64	.80
	1455	685	44.0	12.9	1.67	.48	.64	.79	42.0	12.3	1.92	.48	.65	.81	39.5	11.6	2.20	.49	.66	.84	37.2	10.9	2.53	.49	.68	.87

SECOND STAGE COOLING CAPACITY - XP16-048 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	47.0	13.8	2.91	.77	.91	1.00	44.5	13.0	3.24	.78	.94	1.00	42.0	12.3	3.61	.81	.97	1.00	39.0	11.4	4.02	.83	1.00	1.00
	1600	755	48.5	14.2	2.92	.80	.96	1.00	46.0	13.5	3.26	.82	.98	1.00	43.0	12.6	3.63	.84	1.00	1.00	40.5	11.9	4.04	.88	1.00	1.00
67°F (19°C)	1400	660	50.0	14.7	2.92	.60	.74	.88	47.5	13.9	3.27	.61	.76	.90	44.5	13.0	3.64	.62	.78	.93	41.5	12.2	4.04	.64	.81	.97
	1600	755	51.5	15.1	2.94	.62	.77	.92	48.5	14.2	3.27	.63	.79	.95	46.0	13.5	3.64	.65	.82	.98	42.5	12.5	4.06	.67	.85	1.00
71°F (22°C)	1400	660	53.0	15.5	2.95	.45	.59	.71	50.0	14.7	3.29	.46	.60	.73	47.5	13.9	3.67	.46	.61	.75	44.0	12.9	4.07	.47	.63	.78
	1600	755	54.5	16.0	2.97	.46	.61	.75	51.5	15.1	3.30	.47	.62	.77	48.5	14.2	3.67	.47	.63	.79	45.5	13.3	4.09	.48	.65	.82

FIRST STAGE HEATING CAPACITY - XP16-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW				
1175	555	31.8	9.3	2.34	31.6	9.3	2.38	31.3	9.2	2.42	31.1	9.1	2.47
1455	685	32.6	9.6	2.21	32.3	9.5	2.25	32.0	9.4	2.30	31.8	9.3	2.34

SECOND STAGE HEATING CAPACITY - XP16-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)						
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input			
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
1400	660	47.7	14.0	3.87	43.7	12.8	3.21	39.2	11.5	2.52	33.9	9.9	2.10	15.9	4.7	1.62
1600	755	48.5	14.2	3.76	44.5	13.0	3.10	40.0	11.7	2.41	34.8	10.2	2.00	16.7	4.9	1.52

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP16-048 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.76	48.4	14.2
60	16	3.61	47.6	14.0
55	13	3.46	46.8	13.7
50	10	3.31	45.9	13.5
47	8	3.22	45.4	13.3
45	7	3.10	44.4	13.0
40	4	2.81	41.9	12.3
35	2	2.52	39.4	11.5
30	-1	2.46	39.7	11.6
25	-4	2.41	39.9	11.7
20	-7	2.36	40.2	11.8
17	-8	2.32	40.4	11.8
15	-9	2.26	40.0	11.7
10	-12	2.12	39.2	11.5
5	-15	2.00	34.7	10.2
0	-18	1.88	30.2	8.9
-5	-21	1.76	25.7	7.5
-10	-23	1.64	21.1	6.2
-15	-26	1.52	16.6	4.9
-20	-29	1.40	12.1	3.5

EXPANDED RATING TABLES

XPI6 - 4 TON

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 - XP16-048 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		
			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	35.4	10.4	1.69	.80	.96	1.00	33.9	9.9	1.95	.82	.98	1.00	32.4	9.5	2.26	.84	1.00	1.00	30.9	9.1	2.60	.87	1.00	1.00
1600	755	37.5	11.0	1.68	.88	1.00	1.00	36.2	10.6	1.94	.90	1.00	1.00	34.7	10.2	2.23	.92	1.00	1.00	33.1	9.7	2.58	.95	1.00	1.00	
67°F (19°C)	1260	595	37.9	11.1	1.67	.61	.77	.93	36.2	10.6	1.94	.62	.79	.95	34.5	10.1	2.24	.63	.81	.97	32.6	9.6	2.59	.65	.83	.99
1600	755	39.3	11.5	1.67	.71	.85	1.00	37.5	11.0	1.93	.67	.87	1.00	35.7	10.5	2.23	.68	.90	1.00	33.8	9.9	2.57	.71	.92	1.00	
71°F (22°C)	1260	595	41.0	12.0	1.66	.44	.59	.74	39.2	11.5	1.92	.44	.60	.76	37.3	10.9	2.22	.45	.62	.78	35.3	10.4	2.56	.45	.63	.81
1600	755	42.3	12.4	1.66	.46	.64	.82	40.4	11.8	1.92	.47	.66	.84	38.4	11.3	2.21	.47	.67	.87	36.3	10.6	2.55	.48	.69	.90	

SECOND STAGE COOLING CAPACITY - XP16-048 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	2.89	.74	.87	.98	42.5	12.5	3.23	.76	.89	1.00	40.5	11.9	3.59	.78	.92	1.00	37.8	11.1	4.01	.80	.95	1.00
1600	755	47.5	13.9	2.90	.79	.93	1.00	45.0	13.2	3.24	.81	.96	1.00	42.5	12.5	3.62	.83	.98	1.00	40.0	11.7	4.04	.86	1.00	1.00	
67°F (19°C)	1260	595	47.5	13.9	2.90	.60	.72	.83	45.0	13.2	3.25	.60	.73	.86	42.5	12.5	3.61	.61	.75	.88	40.0	11.7	4.03	.63	.77	.92
1600	755	50.0	14.7	2.93	.62	.76	.90	47.5	13.9	3.27	.63	.78	.93	45.0	13.2	3.64	.65	.81	.95	42.0	12.3	4.06	.66	.84	.99	
71°F (22°C)	1260	595	50.0	14.7	2.93	.46	.58	.69	47.5	13.9	3.26	.46	.59	.71	45.0	13.2	3.64	.46	.60	.73	42.5	12.5	4.06	.47	.61	.75
1600	755	53.0	15.5	2.95	.47	.61	.74	50.0	14.7	3.29	.47	.62	.76	47.5	13.9	3.66	.47	.63	.78	44.5	13.0	4.08	.48	.65	.81	

FIRST STAGE HEATING CAPACITY - XP16-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595		31.9	9.3	2.37	31.5	9.2	2.42	31.2	9.1	2.46	30.9	9.1	2.50
1600	755		32.8	9.6	2.25	32.5	9.5	2.29	32.2	9.4	2.33	31.9	9.3	2.37

SECOND HEATING CAPACITY - XP16-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)			Air Temperature Entering Outdoor Coil											
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)		
cfm	L/s		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
			kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595		46.1	13.5	4.09	42.5	12.5	3.36	38.5	11.3	2.60	33.4	9.8	2.17
1600	755		47.7	14.0	3.89	44.2	13.0	3.17	40.1	11.8	2.40	35.1	10.3	1.98

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP16-048 with

[CBX27UH-060]

Outdoor Temperature		Compressor Motor kW Input		Total Output	
°F	°C			kBtuh	kW
65	18		3.89	47.7	14.0
60	16		3.73	47.0	13.8
55	13		3.57	46.3	13.6
50	10		3.40	45.5	13.3
47	8		3.30	45.1	13.2
45	7		3.17	44.2	13.0
40	4		2.84	41.8	12.3
35	2		2.51	39.4	11.5
30	-1		2.45	39.8	11.7
25	-4		2.40	40.1	11.8
20	-7		2.35	40.5	11.9
17	-8		2.32	40.7	11.9
15	-9		2.26	40.4	11.8
10	-12		2.09	39.7	11.6
5	-15		1.98	35.1	10.3
0	-18		1.86	30.5	8.9
-5	-21		1.74	25.9	7.6
-10	-23		1.63	21.4	6.3
-15	-26		1.51	16.8	4.9
-20	-29		1.39	12.2	3.6

EXPANDED RATING TABLES

XP16 - 5 TON

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 - XP16-060 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		
			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	43.0	12.6	2.07	.75	.88	.99	41.0	12.0	2.41	.77	.90	1.00	39.0	11.4	2.80	.78	.93	1.00	37.0	10.8	3.24	.81	.96	1.00
1600	755	45.0	13.2	2.06	.80	.95	1.00	43.5	12.7	2.40	.82	.97	1.00	.0	.0	.00	.84	.93	1.00	39.5	11.6	3.22	.87	1.00	1.00	
67°F (19°C)	1260	595	45.5	13.3	2.06	.60	.73	.85	43.5	12.7	2.40	.61	.74	.87	41.5	12.2	2.78	.62	.76	.89	39.0	11.4	3.22	.63	.78	.93
1600	755	48.0	14.1	2.04	.63	.77	.92	46.0	13.5	2.38	.64	.79	.94	43.5	12.7	2.76	.65	.82	.97	41.0	12.0	3.20	.67	.84	.99	
71°F (22°C)	1260	595	48.0	14.1	2.05	.45	.59	.70	46.0	13.5	2.38	.46	.59	.72	44.0	12.9	2.77	.46	.61	.74	41.5	12.2	3.20	.47	.62	.76
1600	755	50.5	14.8	2.04	.47	.62	.75	48.5	14.2	2.37	.47	.63	.77	46.0	13.5	2.75	.48	.64	.79	43.5	12.7	3.18	.49	.66	.82	

SECOND STAGE COOLING CAPACITY - XP16-060 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)	1600	755	55.5	16.3	3.60	.74	.87	.98	53.0	15.5	4.05	.76	.89	1.00	50.0	14.7	4.57	.77	.91	1.00	47.0	13.8	5.14	.80	.95	1.00
1800	850	57.0	16.7	3.62	.76	.90	1.00	54.5	16.0	4.07	.78	.92	1.00	51.5	15.1	4.59	.80	.95	1.00	48.5	14.2	5.16	.82	.98	1.00	
2000	945	58.5	17.1	3.63	.78	.92	1.00	55.5	16.3	4.10	.80	.95	1.00	53.0	15.5	4.61	.82	.97	1.00	49.5	14.5	5.18	.85	1.00	1.00	
67°F (19°C)	1600	755	58.5	17.1	3.64	.60	.72	.83	56.0	16.4	4.10	.60	.73	.85	53.0	15.5	4.61	.61	.75	.88	50.0	14.7	5.18	.63	.77	.91
1800	850	60.5	17.7	3.66	.61	.74	.86	57.5	16.9	4.12	.62	.75	.89	54.5	16.0	4.63	.63	.77	.91	51.0	14.9	5.21	.64	.80	.95	
2000	945	61.5	18.0	3.67	.62	.76	.89	58.5	17.1	4.14	.63	.78	.92	55.5	16.3	4.65	.64	.80	.94	52.0	15.2	5.23	.66	.83	.97	
71°F (22°C)	1600	755	61.5	18.0	3.68	.46	.58	.69	59.0	17.3	4.14	.46	.59	.71	56.0	16.4	4.65	.46	.60	.73	52.5	15.4	5.22	.46	.61	.75
1800	850	63.5	18.6	3.69	.46	.59	.71	60.5	17.7	4.16	.46	.60	.73	57.5	16.9	4.67	.47	.61	.75	54.0	15.8	5.25	.47	.63	.77	
2000	945	65.0	19.0	3.71	.47	.61	.73	62.0	18.2	4.17	.47	.62	.75	58.5	17.1	4.69	.47	.63	.77	55.0	16.1	5.27	.48	.65	.80	

FIRST STAGE HEATING CAPACITY - XP16-060 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil											
		65°F (18°C)			60°F (16°C)			55°F (13°C)			50°F (10°C)		
		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input	
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1260	595	38.0	11.1	2.91	37.6	11.0	2.99	37.2	10.9	3.06	36.9	10.8	3.13
1600	755	39.1	11.5	2.69	38.7	11.3	2.77	38.3	11.2	2.84	38.0	11.1	2.91

SECOND STAGE HEATING CAPACITY - XP16-060 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input	
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1600	755	54.4	15.9	4.60	50.6	14.8	3.88	46.3	13.6	3.13	40.4	11.8	2.62	18.8	5.5	2.01
1800	850	55.3	16.2	4.46	51.5	15.1	3.74	47.2	13.8	2.99	41.3	12.1	2.48	19.7	5.8	1.87
2000	945	57.2	16.8	4.36	53.3	15.6	3.64	49.0	14.4	2.88	43.2	12.7	2.37	21.6	6.3	1.76

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil

Air Volume XP16-060 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.46	55.3	16.2
60	16	4.30	54.5	16.0
55	13	4.13	53.7	15.7
50	10	3.96	52.9	15.5
47	8	3.86	52.5	15.4
45	7	3.74	51.5	15.1
40	4	3.45	48.9	14.3
35	2	3.15	46.3	13.6
30	-1	3.07	46.8	13.7
25	-4	2.99	47.2	13.8
20	-7	2.91	47.6	14.0
17	-8	2.86	47.8	14.0
15	-9	2.80	47.5	13.9
10	-12	2.63	46.7	13.7
5	-15	2.48	41.3	12.1
0	-18	2.33	35.9	10.5
-5	-21	2.17	30.5	8.9
-10	-23	2.02	25.1	7.4
-15	-26	1.87	19.7	5.8
-20	-29	1.72	14.3	4.2

EXPANDED RATING TABLES

XP13 - 1.5 TON

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.

COOLING CAPACITY - XP13-018 with

[CBX27UH-018]

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
63°F (17°C)	400	190	17.7	5.2	1.06	.70	.82	.94	16.8	4.9	1.20	.71	.84	.96	15.8	4.6	1.38	.73	.86	.99	14.8	4.3	1.56	.75	.89	1.00
600	285	19.5	5.7	1.05	.78	.94	1.00	18.5	5.4	1.21	.80	.96	1.00	17.4	5.1	1.37	.83	.99	1.00	16.3	4.8	1.57	.85	1.00	1.00	
67°F (19°C)	400	190	18.7	5.5	1.05	.57	.68	.78	17.8	5.2	1.20	.57	.69	.80	16.8	4.9	1.37	.58	.70	.82	15.7	4.6	1.56	.59	.72	.85
600	285	20.6	6.0	1.06	.61	.76	.90	19.6	5.7	1.21	.63	.78	.93	18.4	5.4	1.38	.64	.80	.96	17.1	5.0	1.57	.66	.83	.99	
71°F (22°C)	400	190	19.8	5.8	1.05	.44	.55	.65	18.8	5.5	1.21	.44	.56	.66	17.8	5.2	1.38	.45	.56	.68	16.6	4.9	1.56	.45	.57	.70
600	285	21.8	6.4	1.06	.46	.60	.74	20.6	6.0	1.21	.47	.61	.76	19.5	5.7	1.38	.47	.63	.78	18.1	5.3	1.57	.48	.65	.81	

COOLING CAPACITY - XP13-018 with

[CBX27UH-024]

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
63°F (17°C)	560	265	19.2	5.6	1.05	.77	.91	1.00	18.2	5.3	1.20	.78	.94	1.00	17.1	5.0	1.37	.81	.97	1.00	16.0	4.7	1.57	.84	1.00	1.00
600	285	19.5	5.7	1.05	.78	.94	1.00	18.5	5.4	1.21	.80	.96	1.00	17.4	5.1	1.37	.83	.99	1.00	16.3	4.8	1.57	.85	1.00	1.00	
67°F (19°C)	560	265	20.4	6.0	1.06	.60	.74	.88	19.3	5.7	1.21	.61	.76	.90	18.2	5.3	1.38	.63	.78	.94	16.9	5.0	1.57	.64	.81	.97
600	285	20.6	6.0	1.06	.61	.76	.90	19.6	5.7	1.21	.63	.78	.93	18.4	5.4	1.38	.64	.80	.96	17.1	5.0	1.57	.66	.83	.99	
71°F (22°C)	560	265	21.4	6.3	1.06	.46	.59	.72	20.4	6.0	1.21	.46	.60	.74	19.2	5.6	1.38	.47	.62	.76	17.9	5.2	1.57	.47	.63	.79
600	285	21.8	6.4	1.06	.46	.60	.74	20.6	6.0	1.21	.47	.61	.76	19.5	5.7	1.38	.47	.63	.78	18.1	5.3	1.57	.48	.65	.81	

HEATING CAPACITY - XP13-018 with

[CBX27UH-018]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input		
400	190	21.1	6.2	1.36	15.7	4.6	1.31	10.1	3.0	1.26	6.6	1.9	1.15	3.0	.9	.88
600	285	22.0	6.4	1.20	16.7	4.9	1.15	11.1	3.3	1.10	7.6	2.2	.99	4.0	1.2	.72

HEATING CAPACITY - XP13-018 with

[CBX27UH-024]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input		
560	265	22.0	6.4	1.23	16.6	4.9	1.17	11.0	3.2	1.12	7.5	2.2	1.02	3.9	1.1	.74
600	285	22.0	6.4	1.20	16.7	4.9	1.15	11.1	3.3	1.10	7.6	2.2	.99	4.0	1.2	.72

HEATING PERFORMANCE at 600 cfm (285 L/s) Indoor Coil Air Volume XP13-018 with

[CBX27UH-018]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.20	22.0	6.4
60	16	1.19	20.8	6.1
55	13	1.18	19.6	5.7
50	10	1.16	18.3	5.4
47	8	1.16	17.6	5.2
45	7	1.15	16.7	4.9
40	4	1.13	14.5	4.2
35	2	1.12	12.2	3.6
30	-1	1.11	11.7	3.4
25	-4	1.10	11.1	3.3
20	-7	1.08	10.5	3.1
17	-8	1.08	10.2	3.0
15	-9	1.07	9.7	2.8
10	-12	1.06	8.5	2.5
5	-15	.99	7.6	2.2
0	-18	.92	6.7	2.0
-5	-21	.85	5.8	1.7
-10	-23	.79	4.9	1.4
-15	-26	.72	4.0	1.2
-20	-29	.65	3.1	.9

HEATING PERFORMANCE at 600 cfm (285 L/s) Indoor Coil Air Volume XP13-018 with

[CBX27UH-024]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.20	22.0	6.4
60	16	1.19	20.8	6.1
55	13	1.18	19.6	5.7
50	10	1.16	18.3	5.4
47	8	1.16	17.6	5.2
45	7	1.15	16.7	4.9
40	4	1.13	14.5	4.2
35	2	1.12	12.2	3.6
30	-1	1.11	11.7	3.4
25	-4	1.10	11.1	3.3
20	-7	1.08	10.5	3.1
17	-8	1.08	10.2	3.0
15	-9	1.07	9.7	2.8
10	-12	1.06	8.5	2.5
5	-15	.99	7.6	2.2
0	-18	.92	6.7	2.0
-5	-21	.85	5.8	1.7
-10	-23	.79	4.9	1.4
-15	-26	.72	4.0	1.2
-20	-29	.65	3.1	.9

EXPANDED RATING TABLES

XP13 - 2 TON

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.

COOLING CAPACITY - XP13-024 with

[CBX27UH-024]

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)	600	285	22.8	6.7	1.39	.73	.86	.98	21.6	6.3	1.59	.75	.88	1.00	20.4	6.0	1.80	.76	.91	1.00	18.9	5.5	2.06	.79	.95	1.00
800	380	24.2	7.1	1.39	.80	.95	1.00	23.0	6.7	1.59	.82	.98	1.00	21.6	6.3	1.81	.84	1.00	1.00	20.2	5.9	2.06	.87	1.00	1.00	
67°F (19°C)	600	285	24.2	7.1	1.39	.58	.71	.83	22.8	6.7	1.59	.59	.72	.85	21.6	6.3	1.81	.60	.74	.87	20.2	5.9	2.06	.61	.76	.91
800	380	25.6	7.5	1.40	.62	.77	.92	24.2	7.1	1.60	.63	.79	.95	22.8	6.7	1.82	.65	.82	.98	21.2	6.2	2.07	.67	.85	1.00	
71°F (22°C)	600	285	25.4	7.4	1.40	.45	.57	.68	24.2	7.1	1.59	.45	.58	.70	22.8	6.7	1.82	.45	.59	.72	21.2	6.2	2.07	.46	.60	.74
800	380	27.0	7.9	1.40	.46	.61	.75	25.6	7.5	1.61	.47	.62	.77	24.0	7.0	1.83	.47	.64	.79	22.4	6.6	2.07	.48	.66	.83	

COOLING CAPACITY - XP13-024 with

[CBX27UH-030]

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)	725	340	23.8	7.0	1.39	.77	.92	1.00	22.6	6.6	1.59	.79	.95	1.00	21.2	6.2	1.81	.81	.98	1.00	19.8	5.8	2.06	.84	1.00	1.00
800	380	24.4	7.2	1.39	.80	.95	1.00	23.2	6.8	1.59	.82	.98	1.00	21.8	6.4	1.82	.84	1.00	1.00	20.4	6.0	2.06	.87	1.00	1.00	
67°F (19°C)	725	340	25.4	7.4	1.40	.61	.75	.89	24.0	7.0	1.60	.62	.77	.91	22.6	6.6	1.82	.63	.79	.95	21.0	6.2	2.07	.65	.82	.98
800	380	25.8	7.6	1.40	.62	.77	.92	24.4	7.2	1.60	.63	.80	.95	23.0	6.7	1.82	.65	.82	.98	21.2	6.2	2.06	.66	.85	1.00	
71°F (22°C)	725	340	26.6	7.8	1.40	.46	.60	.73	25.2	7.4	1.60	.46	.60	.75	23.8	7.0	1.83	.47	.62	.77	22.2	6.5	2.08	.47	.64	.80
800	380	27.2	8.0	1.40	.46	.61	.75	25.8	7.6	1.61	.47	.62	.77	24.2	7.1	1.83	.48	.64	.80	22.6	6.6	2.07	.48	.66	.83	

HEATING CAPACITY - XP13-024 with

[CBX27UH-024]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
600	285	26.9	7.9	1.62	20.5	6.0	1.54	13.8	4.0	1.47	9.2	2.7	1.35	4.5	1.3	1.01				
800	380	27.5	8.1	1.49	21.1	6.2	1.42	14.5	4.2	1.34	9.9	2.9	1.22	5.2	1.5	.88				

HEATING CAPACITY - XP13-024 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input		
kBtuh	kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	kBtuh		kW	
725	340	27.4	8.0	1.51	21.0	6.2	1.44	14.2	4.2	1.37	9.7	2.8	1.25	5.0	1.5	.91				
800	380	27.5	8.1	1.47	21.1	6.2	1.40	14.4	4.2	1.33	9.9	2.9	1.21	5.1	1.5	.87				

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP13-024 with

[CBX27UH-024]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.49	27.5	8.1
60	16	1.47	26.0	7.6
55	13	1.45	24.6	7.2
50	10	1.44	23.1	6.8
47	8	1.43	22.2	6.5
45	7	1.42	21.1	6.2
40	4	1.39	18.6	5.5
35	2	1.37	16.0	4.7
30	-1	1.36	15.2	4.5
25	-4	1.34	14.5	4.2
20	-7	1.33	13.7	4.0
17	-8	1.33	13.2	3.9
15	-9	1.32	12.6	3.7
10	-12	1.30	11.1	3.3
5	-15	1.22	9.9	2.9
0	-18	1.13	8.7	2.5
-5	-21	1.05	7.5	2.2
-10	-23	.96	6.3	1.8
-15	-26	.88	5.2	1.5
-20	-29	.80	4.0	1.2

HEATING PERFORMANCE at 800 cfm (380 L/s) Indoor Coil Air Volume XP13-024 with

[CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.47	27.5	8.1
60	16	1.45	26.0	7.6
55	13	1.44	24.5	7.2
50	10	1.42	23.0	6.7
47	8	1.41	22.1	6.5
45	7	1.40	21.1	6.2
40	4	1.38	18.6	5.5
35	2	1.35	16.0	4.7
30	-1	1.34	15.2	4.5
25	-4	1.33	14.4	4.2
20	-7	1.32	13.6	4.0
17	-8	1.31	13.2	3.9
15	-9	1.31	12.6	3.7
10	-12	1.29	11.1	3.3
5	-15	1.21	9.9	2.9
0	-18	1.12	8.7	2.5
-5	-21	1.04	7.5	2.2
-10	-23	.96	6.3	1.8
-15	-26	.87	5.1	1.5
-20	-29	.79	3.9	1.1

EXPANDED RATING TABLES

XP13 - 2.5 TON

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.

COOLING CAPACITY - XP13-030 with

[CBX27UH-030]

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)	800	380	28.8	8.4	1.76	.75	.89	1.00	27.4	8.0	1.98	.76	.92	1.00	26.0	7.6	2.24	.79	.94	1.00	24.2	7.1	2.54	.82	.98	1.00
	1000	470	30.4	8.9	1.77	.81	.96	1.00	28.8	8.4	1.99	.83	.98	1.00	27.2	8.0	2.25	.85	1.00	1.00	25.6	7.5	2.54	.88	1.00	1.00
67°F (19°C)	800	380	30.6	9.0	1.77	.60	.73	.86	29.0	8.5	2.00	.60	.74	.88	27.4	8.0	2.25	.62	.77	.91	25.6	7.5	2.54	.63	.79	.95
	1000	470	31.8	9.3	1.78	.63	.78	.93	30.2	8.9	2.00	.64	.80	.96	28.6	8.4	2.26	.66	.83	.98	26.6	7.8	2.55	.67	.86	1.00
71°F (22°C)	800	380	32.2	9.4	1.78	.45	.58	.71	30.6	9.0	2.01	.46	.59	.72	29.0	8.5	2.26	.46	.60	.74	27.0	7.9	2.55	.47	.62	.77
	1000	470	33.6	9.8	1.80	.47	.62	.76	32.0	9.4	2.02	.47	.63	.78	30.2	8.9	2.27	.48	.64	.80	28.2	8.3	2.56	.49	.66	.83

COOLING CAPACITY - XP13-030 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)	840	395	29.2	8.6	1.76	.76	.91	1.00	27.8	8.1	1.98	.78	.93	1.00	26.2	7.7	2.24	.80	.96	1.00	24.4	7.2	2.54	.83	.99	1.00
	1000	470	30.4	8.9	1.77	.81	.96	1.00	28.8	8.4	1.99	.83	.98	1.00	27.2	8.0	2.25	.85	1.00	1.00	25.6	7.5	2.54	.88	1.00	1.00
67°F (19°C)	840	395	30.8	9.0	1.77	.60	.74	.87	29.4	8.6	2.00	.61	.76	.90	27.8	8.1	2.25	.62	.78	.93	25.8	7.6	2.55	.64	.81	.96
	1000	470	31.8	9.3	1.78	.63	.78	.93	30.2	8.9	2.00	.64	.80	.96	28.6	8.4	2.26	.66	.83	.98	26.6	7.8	2.55	.67	.86	1.00
71°F (22°C)	840	395	32.4	9.5	1.79	.46	.59	.72	30.8	9.0	2.01	.46	.60	.73	29.2	8.6	2.26	.47	.61	.75	27.2	8.0	2.56	.47	.63	.78
	1000	470	33.6	9.8	1.80	.47	.62	.76	32.0	9.4	2.02	.47	.63	.78	30.2	8.9	2.27	.48	.64	.80	28.2	8.3	2.56	.49	.66	.83

HEATING CAPACITY - XP13-030 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
800	380	33.3	9.8	1.94	25.1	7.4	1.82	16.4	4.8	1.70	11.3	3.3	1.54	5.6	1.6	1.15
1000	470	33.9	9.9	1.82	25.7	7.5	1.70	17.0	5.0	1.58	11.9	3.5	1.42	6.2	1.8	1.03

HEATING CAPACITY - XP13-030 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
840	395	33.5	9.8	1.91	25.3	7.4	1.79	16.6	4.9	1.67	11.5	3.4	1.51	5.8	1.7	1.12
1000	470	33.9	9.9	1.82	25.6	7.5	1.70	16.9	5.0	1.58	11.8	3.5	1.42	6.2	1.8	1.03

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume XP13-030 with

[CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.82	33.9	9.9
60	16	1.80	32.1	9.4
55	13	1.77	30.2	8.9
50	10	1.74	28.3	8.3
47	8	1.72	27.2	8.0
45	7	1.70	25.7	7.5
40	4	1.66	22.0	6.4
35	2	1.61	18.3	5.4
30	-1	1.59	17.6	5.2
25	-4	1.58	17.0	5.0
20	-7	1.56	16.3	4.8
17	-8	1.55	15.9	4.7
15	-9	1.54	15.2	4.5
10	-12	1.52	13.3	3.9
5	-15	1.42	11.9	3.5
0	-18	1.32	10.4	3.0
-5	-21	1.22	9.0	2.6
-10	-23	1.13	7.6	2.2
-15	-26	1.03	6.2	1.8
-20	-29	.93	4.8	1.4

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume XP13-030 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.82	33.9	9.9
60	16	1.80	32.0	9.4
55	13	1.77	30.1	8.8
50	10	1.74	28.2	8.3
47	8	1.72	27.1	7.9
45	7	1.70	25.6	7.5
40	4	1.66	21.9	6.4
35	2	1.61	18.2	5.3
30	-1	1.59	17.6	5.2
25	-4	1.58	16.9	5.0
20	-7	1.56	16.3	4.8
17	-8	1.55	15.9	4.7
15	-9	1.54	15.1	4.4
10	-12	1.52	13.2	3.9
5	-15	1.42	11.8	3.5
0	-18	1.32	10.4	3.0
-5	-21	1.22	9.0	2.6
-10	-23	1.13	7.6	2.2
-15	-26	1.03	6.2	1.8
-20	-29	.93	4.8	1.4

EXPANDED RATING TABLES

XP13 - 3 TON

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.

COOLING CAPACITY - XP13-036 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	34.0	10.0	2.26	.75	.90	1.00	32.2	9.4	2.55	.77	.92	1.00	30.2	8.9	2.89	.79	.95	1.00	28.2	8.3	3.27	.82	.98	1.00
	1200	565	35.2	10.3	2.27	.80	.95	1.00	33.4	9.8	2.56	.82	.98	1.00	31.4	9.2	2.90	.84	1.00	1.00	29.4	8.6	3.29	.87	1.00	1.00
67°F (19°C)	1000	470	36.0	10.6	2.28	.60	.73	.86	34.0	10.0	2.57	.61	.75	.89	32.2	9.4	2.91	.62	.77	.91	30.0	8.8	3.30	.63	.79	.95
	1200	565	37.2	10.9	2.29	.62	.77	.92	35.2	10.3	2.58	.64	.79	.95	33.2	9.7	2.92	.65	.82	.97	30.8	9.0	3.30	.67	.85	1.00
71°F (22°C)	1000	470	37.8	11.1	2.30	.46	.58	.71	36.0	10.6	2.59	.46	.59	.72	33.8	9.9	2.92	.46	.60	.74	31.6	9.3	3.31	.47	.62	.77
	1200	565	39.0	11.4	2.31	.46	.61	.75	37.2	10.9	2.61	.47	.62	.77	35.0	10.3	2.93	.48	.64	.80	32.6	9.6	3.32	.48	.66	.83

COOLING CAPACITY - XP13-036 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	34.8	10.2	2.26	.75	.89	1.00	33.2	9.7	2.56	.77	.92	1.00	31.2	9.1	2.89	.79	.95	1.00	29.0	8.5	3.29	.82	.98	1.00
	1200	565	36.2	10.6	2.28	.80	.96	1.00	34.4	10.1	2.58	.82	.98	1.00	32.4	9.5	2.91	.84	1.00	1.00	30.4	8.9	3.30	.87	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.29	.59	.73	.86	35.2	10.3	2.58	.61	.75	.89	33.0	9.7	2.91	.62	.77	.92	30.8	9.0	3.30	.63	.79	.95
	1200	565	38.0	11.1	2.30	.62	.77	.93	36.4	10.7	2.60	.63	.79	.95	34.2	10.0	2.93	.65	.82	.98	31.8	9.3	3.31	.67	.85	1.00
71°F (22°C)	1000	470	39.0	11.4	2.31	.45	.58	.71	37.0	10.8	2.60	.45	.59	.72	34.8	10.2	2.93	.46	.60	.74	32.6	9.6	3.32	.46	.62	.77
	1200	565	40.5	11.9	2.33	.46	.61	.75	38.5	11.3	2.62	.47	.62	.77	36.0	10.6	2.95	.47	.64	.80	33.6	9.8	3.33	.48	.66	.83

HEATING CAPACITY - XP13-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1000	470	43.2	12.7	2.51	32.4	9.5	2.32	20.7	6.1	2.11	15.2	4.5	1.89	7.6	2.2	1.41				
1200	565	43.9	12.9	2.39	33.1	9.7	2.19	21.4	6.3	1.99	15.9	4.7	1.76	8.2	2.4	1.29				

HEATING CAPACITY - XP13-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1000	470	43.4	12.7	2.50	32.6	9.6	2.30	20.9	6.1	2.09	15.4	4.5	1.86	7.8	2.3	1.40				
1200	565	43.8	12.8	2.38	33.0	9.7	2.17	21.4	6.3	1.97	15.9	4.7	1.74	8.2	2.4	1.27				

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP13-036 with [CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.39	43.9	12.9
60	16	2.34	41.5	12.2
55	13	2.30	39.2	11.5
50	10	2.25	36.8	10.8
47	8	2.22	35.4	10.4
45	7	2.19	33.1	9.7
40	4	2.12	27.4	8.0
35	2	2.04	21.8	6.4
30	-1	2.02	21.6	6.3
25	-4	1.99	21.4	6.3
20	-7	1.96	21.2	6.2
17	-8	1.95	21.1	6.2
15	-9	1.93	20.2	5.9
10	-12	1.88	17.8	5.2
5	-15	1.76	15.9	4.7
0	-18	1.64	14.0	4.1
-5	-21	1.53	12.1	3.5
-10	-23	1.41	10.2	3.0
-15	-26	1.29	8.2	2.4
-20	-29	1.17	6.3	1.8

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP13-036 with [CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.38	43.8	12.8
60	16	2.33	41.4	12.1
55	13	2.28	39.1	11.5
50	10	2.23	36.7	10.8
47	8	2.21	35.3	10.3
45	7	2.17	33.0	9.7
40	4	2.10	27.4	8.0
35	2	2.02	21.7	6.4
30	-1	1.99	21.6	6.3
25	-4	1.97	21.4	6.3
20	-7	1.94	21.2	6.2
17	-8	1.92	21.1	6.2
15	-9	1.90	20.1	5.9
10	-12	1.86	17.8	5.2
5	-15	1.74	15.9	4.7
0	-18	1.62	14.0	4.1
-5	-21	1.50	12.0	3.5
-10	-23	1.39	10.1	3.0
-15	-26	1.27	8.2	2.4
-20	-29	1.15	6.3	1.8

EXPANDED RATING TABLES

XP13 - 3 TON

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.

COOLING CAPACITY - XP13-037 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	35.0	10.3	2.14	.75	.88	1.00	33.2	9.7	2.42	.76	.91	1.00	31.4	9.2	2.75	.78	.93	1.00	29.4	8.6	3.12	.81	.96	1.00
	1200	565	36.4	10.7	2.15	.79	.94	1.00	34.6	10.1	2.43	.80	.96	1.00	32.6	9.6	2.76	.83	.98	1.00	30.6	9.0	3.13	.86	1.00	1.00
67°F (19°C)	1000	470	37.0	10.8	2.15	.60	.72	.85	35.2	10.3	2.43	.60	.74	.87	33.4	9.8	2.75	.61	.76	.90	31.2	9.1	3.14	.63	.78	.93
	1200	565	38.5	11.3	2.16	.62	.76	.91	36.6	10.7	2.45	.63	.78	.93	34.6	10.1	2.77	.64	.81	.96	32.2	9.4	3.13	.66	.83	.98
71°F (22°C)	1000	470	39.0	11.4	2.16	.45	.58	.70	37.2	10.9	2.45	.46	.59	.72	35.2	10.3	2.76	.46	.60	.73	33.0	9.7	3.14	.47	.61	.76
	1200	565	40.5	11.9	2.17	.47	.60	.74	38.5	11.3	2.45	.46	.61	.76	36.4	10.7	2.78	.47	.63	.78	34.2	10.0	3.15	.48	.65	.81

COOLING CAPACITY - XP13-037 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	36.0	10.6	2.14	.75	.88	1.00	34.2	10.0	2.43	.76	.91	1.00	32.4	9.5	2.76	.78	.93	1.00	30.2	8.9	3.13	.80	.96	1.00
	1200	565	37.4	11.0	2.15	.79	.94	1.00	35.6	10.4	2.44	.81	.97	1.00	33.6	9.8	2.76	.83	.99	1.00	31.6	9.3	3.12	.85	1.00	1.00
67°F (19°C)	1000	470	38.0	11.1	2.15	.59	.72	.85	36.2	10.6	2.44	.60	.74	.87	34.4	10.1	2.77	.61	.76	.90	32.2	9.4	3.14	.63	.78	.93
	1200	565	39.5	11.6	2.17	.62	.76	.91	37.6	11.0	2.45	.63	.78	.93	35.6	10.4	2.78	.64	.80	.96	33.2	9.7	3.14	.66	.83	.99
71°F (22°C)	1000	470	40.0	11.7	2.17	.45	.58	.70	38.0	11.1	2.45	.45	.58	.71	36.2	10.6	2.78	.46	.60	.73	34.0	10.0	3.14	.46	.61	.75
	1200	565	41.5	12.2	2.18	.46	.60	.74	39.5	11.6	2.47	.46	.62	.76	37.4	11.0	2.78	.47	.63	.78	35.0	10.3	3.15	.48	.65	.81

HEATING CAPACITY - XP13-037 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil		Air Temperature Entering Outdoor Coil															
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
			Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1000	470	42.4	12.4	2.84	32.7	9.6	2.57	22.4	6.6	2.27	16.2	4.7	2.03	8.0	2.3	1.53		
1200	565	43.1	12.6	2.71	33.4	9.8	2.43	23.0	6.7	2.13	16.9	5.0	1.89	8.7	2.5	1.39		

HEATING CAPACITY - XP13-037 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil		Air Temperature Entering Outdoor Coil															
			65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
			Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		Total Heating Capacity	Comp. Motor kW Input		
cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1000	470	42.4	12.4	2.86	32.7	9.6	2.58	22.4	6.6	2.28	16.3	4.8	2.04	8.1	2.4	1.54		
1200	565	42.9	12.6	2.71	33.2	9.7	2.43	22.9	6.7	2.13	16.8	4.9	1.89	8.6	2.5	1.39		

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP13-037 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.71	43.1	12.6
60	16	2.64	40.9	12.0
55	13	2.58	38.7	11.3
50	10	2.52	36.5	10.7
47	8	2.48	35.2	10.3
45	7	2.43	33.4	9.8
40	4	2.30	28.8	8.4
35	2	2.17	24.3	7.1
30	-1	2.15	23.7	6.9
25	-4	2.13	23.0	6.7
20	-7	2.12	22.4	6.6
17	-8	2.10	22.0	6.4
15	-9	2.08	21.2	6.2
10	-12	2.02	19.0	5.6
5	-15	1.89	16.9	5.0
0	-18	1.77	14.9	4.4
-5	-21	1.64	12.8	3.8
-10	-23	1.51	10.7	3.1
-15	-26	1.39	8.7	2.5
-20	-29	1.26	6.6	1.9

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume XP13-037 with

[CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.71	42.9	12.6
60	16	2.65	40.7	11.9
55	13	2.58	38.5	11.3
50	10	2.52	36.3	10.6
47	8	2.48	35.0	10.3
45	7	2.43	33.2	9.7
40	4	2.30	28.7	8.4
35	2	2.16	24.2	7.1
30	-1	2.15	23.6	6.9
25	-4	2.13	22.9	6.7
20	-7	2.12	22.3	6.5
17	-8	2.11	21.9	6.4
15	-9	2.08	21.1	6.2
10	-12	2.02	18.9	5.5
5	-15	1.89	16.8	4.9
0	-18	1.77	14.8	4.3
-5	-21	1.64	12.7	3.7
-10	-23	1.52	10.7	3.1
-15	-26	1.39	8.6	2.5
-20	-29	1.26	6.6	1.9

EXPANDED RATING TABLES

XP13 - 3.5 TON

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.

COOLING CAPACITY - XP13-042 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)	1200	565	42.0	12.3	2.54	.76	.90	1.00	40.0	11.7	2.89	.77	.92	1.00	38.0	11.1	3.29	.79	.95	1.00	35.6	10.4	3.75	.82	.98	1.00
1400	660	43.5	12.7	2.56	.79	.95	1.00	41.5	12.2	2.91	.81	.97	1.00	39.5	11.6	3.31	.83	.99	1.00	36.8	10.8	3.78	.86	1.00	1.00	
67°F (19°C)	1200	565	44.5	13.0	2.57	.60	.73	.86	42.5	12.5	2.91	.61	.75	.89	40.0	11.7	3.33	.62	.77	.91	37.6	11.0	3.79	.63	.79	.95
1400	660	46.0	13.5	2.59	.62	.77	.91	43.5	12.7	2.94	.63	.79	.94	41.0	12.0	3.35	.64	.81	.96	38.5	11.3	3.82	.66	.84	.99	
71°F (22°C)	1200	565	46.5	13.6	2.61	.45	.58	.71	44.5	13.0	2.96	.45	.59	.73	42.0	12.3	3.36	.46	.61	.74	39.5	11.6	3.84	.47	.62	.77
1400	660	48.0	14.1	2.64	.46	.61	.75	46.0	13.5	2.98	.47	.62	.77	43.5	12.7	3.40	.47	.63	.79	40.5	11.9	3.87	.48	.65	.82	

COOLING CAPACITY - XP13-042 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)	1120	530	41.5	12.2	2.54	.74	.88	1.00	39.5	11.6	2.87	.76	.90	1.00	37.4	11.0	3.28	.77	.92	1.00	35.2	10.3	3.75	.80	.96	1.00
1400	660	43.5	12.7	2.56	.79	.95	1.00	41.5	12.2	2.91	.81	.97	1.00	39.5	11.6	3.31	.83	.99	1.00	36.8	10.8	3.78	.86	1.00	1.00	
67°F (19°C)	1120	530	44.0	12.9	2.56	.59	.72	.85	42.0	12.3	2.90	.60	.73	.87	39.5	11.6	3.31	.61	.75	.89	37.2	10.9	3.78	.62	.77	.92
1400	660	46.0	13.5	2.59	.62	.77	.91	43.5	12.7	2.94	.63	.79	.94	41.0	12.0	3.35	.64	.81	.96	38.5	11.3	3.82	.66	.84	.99	
71°F (22°C)	1120	530	46.0	13.5	2.60	.45	.58	.69	44.0	12.9	2.94	.45	.58	.71	41.5	12.2	3.34	.46	.59	.73	39.0	11.4	3.83	.46	.61	.75
1400	660	48.0	14.1	2.64	.46	.61	.75	46.0	13.5	2.98	.47	.62	.77	43.5	12.7	3.40	.47	.63	.79	40.5	11.9	3.87	.48	.65	.82	

HEATING CAPACITY - XP13-042 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	
1200	565	47.9	14.0	2.63	37.3	10.9	2.66	26.1	7.6	2.69	18.7	5.5	2.51	9.3	2.7	1.83
1400	660	48.5	14.2	2.51	37.9	11.1	2.54	26.7	7.8	2.57	19.3	5.7	2.39	9.9	2.9	1.71

HEATING CAPACITY - XP13-042 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	
1120	530	47.6	14.0	2.69	36.9	10.8	2.71	25.7	7.5	2.75	18.4	5.4	2.57	8.9	2.6	1.88
1400	660	48.6	14.2	2.51	37.9	11.1	2.54	26.7	7.8	2.57	19.4	5.7	2.39	9.9	2.9	1.71

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume XP13-042 with

[CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	48.5	14.2
60	16	2.52	46.1	13.5
55	13	2.52	43.7	12.8
50	10	2.53	41.2	12.1
47	8	2.53	39.8	11.7
45	7	2.54	37.9	11.1
40	4	2.56	33.3	9.8
35	2	2.58	28.6	8.4
30	-1	2.58	27.6	8.1
25	-4	2.57	26.7	7.8
20	-7	2.56	25.7	7.5
17	-8	2.56	25.1	7.4
15	-9	2.56	24.1	7.1
10	-12	2.57	21.7	6.4
5	-15	2.39	19.3	5.7
0	-18	2.22	17.0	5.0
-5	-21	2.05	14.6	4.3
-10	-23	1.88	12.3	3.6
-15	-26	1.71	9.9	2.9
-20	-29	1.54	7.5	2.2

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume XP13-042 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.51	48.5	14.2
60	16	2.52	46.1	13.5
55	13	2.52	43.7	12.8
50	10	2.53	41.2	12.1
47	8	2.53	39.8	11.7
45	7	2.54	37.9	11.1
40	4	2.56	33.3	9.8
35	2	2.58	28.6	8.4
30	-1	2.58	27.6	8.1
25	-4	2.57	26.7	7.8
20	-7	2.56	25.7	7.5
17	-8	2.56	25.1	7.4
15	-9	2.56	24.1	7.1
10	-12	2.57	21.7	6.4
5	-15	2.39	19.3	5.7
0	-18	2.22	17.0	5.0
-5	-21	2.05	14.6	4.3
-10	-23	1.88	12.3	3.6
-15	-26	1.71	9.9	2.9
-20	-29	1.54	7.5	2.2

EXPANDED RATING TABLES

XP13 - 4 TON

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.

COOLING CAPACITY - XP13-048 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	48.0	14.1	2.98	.76	.90	1.00	45.5	13.3	3.38	.78	.93	1.00	43.0	12.6	3.81	.80	.96	1.00	40.0	11.7	4.30	.82	.99	1.00
1600	755	49.0	14.4	3.00	.79	.95	1.00	46.5	13.6	3.39	.81	.97	1.00	44.0	12.9	3.82	.83	.99	1.00	41.5	12.2	4.32	.86	1.00	1.00	
67°F (19°C)	1400	660	50.5	14.8	3.01	.60	.74	.87	48.0	14.1	3.40	.61	.75	.89	45.5	13.3	3.83	.62	.77	.92	42.5	12.5	4.32	.64	.80	.96
1600	755	52.0	15.2	3.01	.62	.77	.91	49.5	14.5	3.41	.63	.79	.94	46.5	13.6	3.84	.64	.81	.97	43.5	12.7	4.34	.66	.84	1.00	
71°F (22°C)	1400	660	53.0	15.5	3.02	.45	.58	.71	50.5	14.8	3.42	.46	.60	.73	48.0	14.1	3.86	.46	.61	.75	45.0	13.2	4.34	.47	.62	.78
1600	755	54.5	16.0	3.03	.46	.61	.74	52.0	15.2	3.43	.47	.62	.76	49.0	14.4	3.87	.47	.63	.79	46.0	13.5	4.36	.48	.65	.82	

COOLING CAPACITY - XP13-048 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	46.0	13.5	2.97	.74	.86	.97	43.5	12.7	3.36	.75	.88	.99	41.5	12.2	3.79	.77	.91	1.00	39.0	11.4	4.29	.79	.94	1.00
1600	755	48.0	14.1	2.99	.78	.92	1.00	46.0	13.5	3.38	.80	.95	1.00	43.5	12.7	3.82	.82	.97	1.00	41.0	12.0	4.31	.85	1.00	1.00	
67°F (19°C)	1260	595	48.5	14.2	2.99	.59	.71	.83	46.0	13.5	3.38	.60	.73	.85	43.5	12.7	3.81	.61	.74	.87	41.0	12.0	4.31	.62	.77	.90
1600	755	51.0	14.9	3.01	.62	.76	.89	48.5	14.2	3.40	.63	.78	.92	46.0	13.5	3.84	.64	.80	.95	43.0	12.6	4.33	.66	.83	.98	
71°F (22°C)	1260	595	51.0	14.9	3.01	.45	.58	.69	48.5	14.2	3.39	.45	.59	.70	46.0	13.5	3.83	.46	.59	.72	43.0	12.6	4.32	.46	.61	.74
1600	755	53.5	15.7	3.02	.47	.61	.74	51.0	14.9	3.42	.47	.62	.75	48.0	14.1	3.86	.47	.63	.78	45.0	13.2	4.36	.48	.65	.80	

HEATING CAPACITY - XP13-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1400	660	53.4	15.6	3.05	41.5	12.2	2.85	28.8	8.4	2.66	21.2	6.2	2.37	10.5	3.1	1.75
1600	755	54.2	15.9	2.95	42.3	12.4	2.76	29.6	8.7	2.56	22.0	6.4	2.27	11.3	3.3	1.65

HEATING CAPACITY - XP13-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
1260	595	52.6	15.4	3.16	40.7	11.9	2.97	28.0	8.2	2.78	20.5	6.0	2.49	9.8	2.9	1.86
1600	755	54.0	15.8	2.98	42.1	12.3	2.79	29.4	8.6	2.60	21.9	6.4	2.31	11.2	3.3	1.68

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP13-048 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.95	54.1	15.9
60	16	2.91	51.4	15.1
55	13	2.86	48.8	14.3
50	10	2.81	46.1	13.5
47	8	2.78	44.5	13.0
45	7	2.76	42.2	12.4
40	4	2.70	36.5	10.7
35	2	2.65	30.9	9.1
30	-1	2.60	30.2	8.9
25	-4	2.56	29.5	8.6
20	-7	2.52	28.8	8.4
17	-8	2.50	28.4	8.3
15	-9	2.48	27.3	8.0
10	-12	2.43	24.6	7.2
5	-15	2.27	21.9	6.4
0	-18	2.12	19.3	5.7
-5	-21	1.96	16.6	4.9
-10	-23	1.81	13.9	4.1
-15	-26	1.65	11.2	3.3
-20	-29	1.50	8.5	2.5

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume XP13-048 with

[CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.98	54.0	15.8
60	16	2.93	51.3	15.0
55	13	2.89	48.6	14.2
50	10	2.84	46.0	13.5
47	8	2.81	44.3	13.0
45	7	2.79	42.1	12.3
40	4	2.73	36.4	10.7
35	2	2.68	30.8	9.0
30	-1	2.64	30.1	8.8
25	-4	2.60	29.4	8.6
20	-7	2.56	28.7	8.4
17	-8	2.53	28.3	8.3
15	-9	2.52	27.2	8.0
10	-12	2.47	24.5	7.2
5	-15	2.31	21.9	6.4
0	-18	2.15	19.2	5.6
-5	-21	2.00	16.5	4.8
-10	-23	1.84	13.8	4.0
-15	-26	1.68	11.2	3.3
-20	-29	1.52	8.5	2.5

EXPANDED RATING TABLES

XP13 - 5 TON

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.

COOLING CAPACITY - XP13-060 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)	1600	755	55.0	16.1	3.85	.74	.86	.97	52.5	15.4	4.33	.75	.88	.99	49.5	14.5	4.89	.77	.91	1.00	46.5	13.6	5.54	.79	.94	1.00
2000	945	57.5	16.9	3.88	.78	.92	1.00	55.0	16.1	4.36	.79	.94	1.00	52.0	15.2	4.92	.82	.97	1.00	49.0	14.4	5.57	.84	1.00	1.00	
67°F (19°C)	1600	755	58.0	17.0	3.88	.59	.71	.83	55.0	16.1	4.37	.60	.73	.85	52.0	15.2	4.93	.61	.74	.87	49.0	14.4	5.56	.62	.77	.91
2000	945	60.5	17.7	3.92	.62	.75	.89	57.5	16.9	4.40	.63	.77	.91	54.5	16.0	4.96	.64	.80	.94	51.0	14.9	5.59	.66	.82	.97	
71°F (22°C)	1600	755	60.5	17.7	3.92	.45	.58	.69	58.0	17.0	4.41	.46	.59	.71	55.0	16.1	4.96	.46	.60	.72	51.5	15.1	5.59	.47	.61	.75
2000	945	63.5	18.6	3.96	.46	.60	.73	60.5	17.7	4.44	.47	.61	.75	57.0	16.7	5.00	.47	.63	.77	53.5	15.7	5.63	.48	.65	.80	

HEATING CAPACITY - XP13-060 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
		Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
kBtuh	kW	kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW				
1600	755	67.6	19.8	4.51	52.4	15.4	4.12	36.0	10.6	3.72	27.3	8.0	3.29	13.4	3.9	2.45
1800	850	68.6	20.1	4.36	53.4	15.6	3.97	37.0	10.8	3.57	28.3	8.3	3.14	14.4	4.2	2.30
2000	945	70.3	20.6	4.24	55.1	16.1	3.85	38.7	11.3	3.45	30.0	8.8	3.01	16.1	4.7	2.17

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil

Air Volume XP13-060 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.36	68.6	20.1
60	16	4.27	65.3	19.1
55	13	4.18	61.9	18.1
50	10	4.08	58.6	17.2
47	8	4.03	56.6	16.6
45	7	3.97	53.4	15.6
40	4	3.83	45.5	13.3
35	2	3.69	37.7	11.0
30	-1	3.63	37.3	10.9
25	-4	3.57	37.0	10.8
20	-7	3.51	36.7	10.8
17	-8	3.48	36.5	10.7
15	-9	3.44	35.1	10.3
10	-12	3.35	31.8	9.3
5	-15	3.14	28.3	8.3
0	-18	2.93	24.8	7.3
-5	-21	2.72	21.4	6.3
-10	-23	2.51	17.9	5.2
-15	-26	2.30	14.4	4.2
-20	-29	2.09	10.9	3.2

EXPANDED RATING TABLES

HP13 - 2.5 TON

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.

COOLING CAPACITY - HP13-030 with

[CB27UH-030]

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)	800	380	29.8	8.7	1.98	.74	.88	1.00	28.6	8.4	2.21	.75	.90	1.00	27.4	8.0	2.48	.77	.92	1.00	26.0	7.6	2.78	.79	.94	1.00
1000	470	31.2	9.1	1.99	.79	.95	1.00	30.0	8.8	2.23	.81	.97	1.00	28.8	8.4	2.49	.83	.99	1.00	27.4	8.0	2.79	.85	1.00	1.00	
67°F (19°C)	800	380	31.6	9.3	2.00	.59	.72	.84	30.4	8.9	2.23	.59	.73	.86	29.2	8.6	2.50	.60	.74	.88	27.8	8.1	2.79	.61	.76	.91
1000	470	33.0	9.7	2.01	.62	.77	.91	31.8	9.3	2.25	.63	.78	.94	30.4	8.9	2.51	.63	.80	.96	29.0	8.5	2.80	.65	.82	.98	
71°F (22°C)	800	380	33.4	9.8	2.02	.45	.58	.70	32.2	9.4	2.25	.45	.58	.70	30.8	9.0	2.51	.45	.59	.72	29.4	8.6	2.81	.45	.60	.73
1000	470	34.8	10.2	2.03	.47	.61	.74	33.6	9.8	2.27	.47	.61	.76	32.2	9.4	2.53	.47	.62	.78	30.8	9.0	2.82	.47	.64	.80	

COOLING CAPACITY - HP13-030 with

[CB27UH-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)	840	395	30.2	8.9	1.98	.75	.89	1.00	29.0	8.5	2.22	.76	.91	1.00	27.6	8.1	2.48	.78	.94	1.00	26.2	7.7	2.78	.80	.96	1.00
1000	470	31.2	9.1	1.99	.79	.95	1.00	30.0	8.8	2.23	.81	.97	1.00	28.8	8.4	2.49	.83	.99	1.00	27.4	8.0	2.79	.85	1.00	1.00	
67°F (19°C)	840	395	32.0	9.4	2.00	.60	.73	.86	30.8	9.0	2.24	.60	.74	.87	29.4	8.6	2.50	.61	.75	.90	28.0	8.2	2.79	.62	.77	.92
1000	470	33.0	9.7	2.01	.62	.77	.91	31.8	9.3	2.25	.63	.78	.94	30.4	8.9	2.51	.63	.80	.96	29.0	8.5	2.80	.65	.82	.98	
71°F (22°C)	840	395	33.6	9.8	2.02	.46	.58	.71	32.4	9.5	2.26	.46	.59	.72	31.2	9.1	2.52	.45	.60	.73	29.8	8.7	2.81	.46	.60	.75
1000	470	34.8	10.2	2.03	.47	.61	.74	33.6	9.8	2.27	.47	.61	.76	32.2	9.4	2.53	.47	.62	.78	30.8	9.0	2.82	.47	.64	.80	

HEATING CAPACITY - HP13-030 with

[CB27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input		
800	380	34.3	10.1	2.14	26.3	7.7	2.10	17.7	5.2	2.05	12.9	3.8	1.95	6.4	1.9	1.43
1000	470	34.7	10.2	2.02	26.7	7.8	1.98	18.1	5.3	1.93	13.3	3.9	1.83	6.9	2.0	1.31

HEATING CAPACITY - HP13-030 with

[CB27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input		
840	395	34.5	10.1	2.11	26.5	7.8	2.07	17.9	5.2	2.01	13.1	3.8	1.91	6.7	2.0	1.39
1000	470	34.7	10.2	2.02	26.6	7.8	1.98	18.0	5.3	1.93	13.3	3.9	1.83	6.8	2.0	1.31

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume HP13-030 with

[CB27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	34.7	10.2
60	16	2.02	32.9	9.6
55	13	2.01	31.1	9.1
50	10	2.01	29.3	8.6
47	8	2.00	28.3	8.3
45	7	1.98	26.7	7.8
40	4	1.94	22.8	6.7
35	2	1.89	18.9	5.5
30	-1	1.91	18.5	5.4
25	-4	1.93	18.1	5.3
20	-7	1.96	17.7	5.2
17	-8	1.97	17.5	5.1
15	-9	1.97	16.7	4.9
10	-12	1.96	14.9	4.4
5	-15	1.83	13.3	3.9
0	-18	1.70	11.7	3.4
-5	-21	1.57	10.1	3.0
-10	-23	1.44	8.5	2.5
-15	-26	1.31	6.9	2.0
-20	-29	1.18	5.2	1.5

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume HP13-030 with

[CB27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	34.7	10.2
60	16	2.02	32.9	9.6
55	13	2.01	31.1	9.1
50	10	2.01	29.3	8.6
47	8	2.00	28.2	8.3
45	7	1.98	26.6	7.8
40	4	1.94	22.7	6.7
35	2	1.89	18.8	5.5
30	-1	1.91	18.4	5.4
25	-4	1.93	18.0	5.3
20	-7	1.96	17.6	5.2
17	-8	1.97	17.4	5.1
15	-9	1.97	16.7	4.9
10	-12	1.96	14.9	4.4
5	-15	1.83	13.3	3.9
0	-18	1.70	11.7	3.4
-5	-21	1.57	10.1	3.0
-10	-23	1.44	8.4	2.5
-15	-26	1.31	6.8	2.0
-20	-29	1.18	5.2	1.5

EXPANDED RATING TABLES

HP13 - 3 TON

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.

COOLING CAPACITY - HP13-036 with

[CB27UH-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	34.0	10.0	2.30	.76	.90	1.00	32.8	9.6	2.57	.77	.92	1.00	31.4	9.2	2.87	.78	.93	1.00	30.0	8.8	3.22	.80	.95	1.00
	1200	565	35.0	10.3	2.32	.80	.96	1.00	33.8	9.9	2.59	.81	.97	1.00	32.6	9.6	2.89	.83	.99	1.00	31.2	9.1	3.23	.85	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.33	.60	.73	.86	34.6	10.1	2.60	.61	.74	.88	33.2	9.7	2.90	.61	.76	.90	31.8	9.3	3.24	.62	.77	.92
	1200	565	37.0	10.8	2.34	.62	.77	.93	35.8	10.5	2.61	.63	.79	.94	34.4	10.1	2.92	.64	.81	.96	32.8	9.6	3.26	.65	.83	.98
71°F (22°C)	1000	470	37.6	11.0	2.35	.46	.58	.71	36.4	10.7	2.62	.46	.59	.72	35.0	10.3	2.93	.46	.60	.73	33.6	9.8	3.27	.46	.61	.75
	1200	565	39.0	11.4	2.37	.47	.61	.76	37.6	11.0	2.64	.46	.62	.76	36.2	10.6	2.94	.47	.63	.79	34.6	10.1	3.29	.48	.64	.81

COOLING CAPACITY - HP13-036 with

[CB27UH-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	35.2	10.3	2.32	.75	.89	1.00	34.0	10.0	2.59	.76	.91	1.00	32.6	9.6	2.89	.78	.93	1.00	31.2	9.1	3.23	.79	.95	1.00
	1200	565	36.6	10.7	2.34	.79	.95	1.00	35.2	10.3	2.60	.81	.97	1.00	33.8	9.9	2.91	.83	.99	1.00	32.4	9.5	3.25	.84	1.00	1.00
67°F (19°C)	1000	470	37.2	10.9	2.35	.59	.73	.86	36.0	10.6	2.61	.60	.74	.88	34.6	10.1	2.92	.61	.75	.90	33.2	9.7	3.27	.62	.77	.92
	1200	565	38.5	11.3	2.37	.62	.77	.92	37.2	10.9	2.63	.63	.79	.94	35.8	10.5	2.94	.64	.80	.96	34.2	10.0	3.28	.65	.82	.98
71°F (22°C)	1000	470	39.0	11.4	2.37	.45	.58	.70	37.8	11.1	2.64	.45	.59	.72	36.4	10.7	2.95	.46	.60	.73	35.0	10.3	3.29	.46	.61	.75
	1200	565	40.5	11.9	2.39	.46	.61	.75	39.0	11.4	2.66	.47	.62	.76	37.6	11.0	2.97	.47	.63	.78	36.0	10.6	3.31	.47	.64	.80

HEATING CAPACITY - HP13-036 with

[CB27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1000	470	40.4	11.8	2.46	31.0	9.1	2.36	21.0	6.2	2.26	15.2	4.5	2.10	7.6	2.2	1.54				
1200	565	40.8	12.0	2.34	31.4	9.2	2.25	21.4	6.3	2.15	15.7	4.6	1.98	8.1	2.4	1.43				

HEATING CAPACITY - HP13-036 with

[CB27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1000	470	40.3	11.8	2.53	31.0	9.1	2.40	21.1	6.2	2.25	15.4	4.5	2.05	7.8	2.3	1.52				
1200	565	40.6	11.9	2.40	31.3	9.2	2.27	21.3	6.2	2.12	15.6	4.6	1.92	8.0	2.3	1.39				

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume HP13-036 with

[CB27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.34	40.8	12.0
60	16	2.32	38.7	11.3
55	13	2.30	36.6	10.7
50	10	2.28	34.5	10.1
47	8	2.27	33.2	9.7
45	7	2.25	31.4	9.2
40	4	2.19	26.9	7.9
35	2	2.14	22.5	6.6
30	-1	2.14	21.9	6.4
25	-4	2.15	21.4	6.3
20	-7	2.15	20.9	6.1
17	-8	2.15	20.5	6.0
15	-9	2.14	19.7	5.8
10	-12	2.12	17.6	5.2
5	-15	1.98	15.7	4.6
0	-18	1.85	13.8	4.0
-5	-21	1.71	11.9	3.5
-10	-23	1.57	10.0	2.9
-15	-26	1.43	8.1	2.4
-20	-29	1.29	6.2	1.8

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume HP13-036 with

[CB27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.40	40.6	11.9
60	16	2.37	38.5	11.3
55	13	2.34	36.4	10.7
50	10	2.31	34.3	10.1
47	8	2.29	33.0	9.7
45	7	2.27	31.3	9.2
40	4	2.21	26.8	7.9
35	2	2.16	22.4	6.6
30	-1	2.14	21.9	6.4
25	-4	2.12	21.3	6.2
20	-7	2.11	20.8	6.1
17	-8	2.10	20.5	6.0
15	-9	2.09	19.6	5.7
10	-12	2.05	17.5	5.1
5	-15	1.92	15.6	4.6
0	-18	1.79	13.7	4.0
-5	-21	1.66	11.8	3.5
-10	-23	1.52	9.9	2.9
-15	-26	1.39	8.0	2.3
-20	-29	1.26	6.1	1.8

EXPANDED RATING TABLES

HP13 - 4 TON

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.

COOLING CAPACITY - HP13-048 with

[CB27UH-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	48.5	14.2	3.18	.77	.87	.99	47.0	13.8	3.56	.75	.89	1.00	45.0	13.2	4.00	.76	.90	1.00	43.0	12.6	4.51	.77	.92	1.00
1600	755	50.0	14.7	3.20	.74	.91	1.00	48.0	14.1	3.57	.78	.93	1.00	46.5	13.6	4.01	.79	.95	1.00	44.5	13.0	4.52	.81	.97	1.00	
67°F (19°C)	1400	660	51.0	14.9	3.22	.59	.72	.84	49.5	14.5	3.59	.59	.72	.85	47.5	13.9	4.03	.60	.74	.87	45.5	13.3	4.54	.61	.75	.89
1600	755	52.5	15.4	3.24	.60	.74	.88	50.5	14.8	3.61	.61	.75	.90	49.0	14.4	4.04	.62	.77	.92	47.0	13.8	4.55	.63	.79	.94	
71°F (22°C)	1400	660	53.5	15.7	3.26	.45	.57	.69	52.0	15.2	3.63	.45	.58	.70	50.0	14.7	4.06	.45	.59	.71	48.0	14.1	4.56	.46	.60	.73
1600	755	55.0	16.1	3.28	.46	.59	.72	53.5	15.7	3.65	.46	.60	.73	51.0	14.9	4.07	.46	.61	.75	49.0	14.4	4.57	.46	.62	.76	

COOLING CAPACITY - HP13-048 with

[CB27UH-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	46.5	13.6	3.16	.71	.83	.93	45.0	13.2	3.54	.72	.84	.95	43.5	12.7	3.99	.73	.85	.97	41.5	12.2	4.50	.74	.87	.98
1600	755	49.0	14.4	3.19	.75	.88	.99	47.5	13.9	3.57	.76	.90	1.00	45.5	13.3	4.01	.77	.92	1.00	44.0	12.9	4.52	.79	.94	1.00	
67°F (19°C)	1260	595	49.0	14.4	3.19	.58	.69	.80	47.5	13.9	3.57	.58	.70	.81	45.5	13.3	4.01	.59	.71	.82	44.0	12.9	4.52	.60	.72	.84
1600	755	51.5	15.1	3.23	.60	.73	.85	50.0	14.7	3.60	.61	.74	.87	48.0	14.1	4.03	.62	.75	.89	46.0	13.5	4.54	.62	.77	.91	
71°F (22°C)	1260	595	51.0	14.9	3.22	.45	.57	.67	49.5	14.5	3.59	.45	.57	.68	48.0	14.1	4.03	.45	.58	.69	46.0	13.5	4.54	.46	.58	.70
1600	755	54.0	15.8	3.26	.46	.59	.71	52.5	15.4	3.63	.46	.60	.72	50.5	14.8	4.06	.46	.60	.73	48.5	14.2	4.56	.46	.61	.75	

HEATING CAPACITY - HP13-048 with

[CB27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
1400	660	57.1	16.7	3.16	44.1	12.9	2.96	30.0	8.8	2.73	22.9	6.7	2.53	11.5	3.4	1.87
1600	755	57.6	16.9	3.05	44.6	13.1	2.85	30.6	9.0	2.62	23.4	6.9	2.42	12.0	3.5	1.76

HEATING CAPACITY - HP13-048 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
1260	595	56.7	16.6	3.27	43.7	12.8	3.07	29.7	8.7	2.85	22.5	6.6	2.65	11.1	3.3	1.98
1600	755	57.5	16.9	3.04	44.5	13.0	2.85	30.5	8.9	2.62	23.3	6.8	2.43	11.9	3.5	1.76

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume HP13-048 with

[CB27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	57.5	16.9
60	16	3.01	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.65	30.2	8.9
15	-9	2.63	29.1	8.5
10	-12	2.59	26.2	7.7
5	-15	2.42	23.4	6.9
0	-18	2.26	20.5	6.0
-5	-21	2.09	17.6	5.2
-10	-23	1.92	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume HP13-048 with

[CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.04	57.5	16.9
60	16	3.00	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.66	30.2	8.9
15	-9	2.64	29.0	8.5
10	-12	2.60	26.2	7.7
5	-15	2.43	23.3	6.8
0	-18	2.26	20.5	6.0
-5	-21	2.10	17.6	5.2
-10	-23	1.93	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

EXPANDED RATING TABLES

HP13 - 5 TON

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.

COOLING CAPACITY - HP13-060 with

[CB27UH-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)	1600	755	53.5	15.7	3.70	.74	.86	.98	51.5	15.1	4.15	.75	.88	.99	50.0	14.7	4.66	.76	.90	1.00	48.0	14.1	5.25	.77	.92	1.00
	1800	850	55.0	16.1	3.72	.76	.89	1.00	53.0	15.5	4.17	.77	.91	1.00	51.5	15.1	4.68	.78	.93	1.00	49.5	14.5	5.26	.80	.95	1.00
	2000	945	56.0	16.4	3.74	.78	.92	1.00	54.5	16.0	4.18	.79	.94	1.00	52.5	15.4	4.70	.81	.96	1.00	50.5	14.8	5.28	.82	.98	1.00
67°F (19°C)	1600	755	56.5	16.6	3.74	.59	.72	.83	55.0	16.1	4.19	.60	.73	.85	53.0	15.5	4.70	.61	.74	.86	51.0	14.9	5.28	.61	.75	.88
	1800	850	58.0	17.0	3.77	.61	.74	.86	56.0	16.4	4.21	.61	.75	.88	54.0	15.8	4.72	.62	.76	.90	52.0	15.2	5.30	.63	.77	.92
	2000	945	59.5	17.4	3.79	.62	.76	.89	57.5	16.9	4.23	.63	.77	.91	55.5	16.3	4.74	.63	.78	.93	53.0	15.5	5.31	.64	.80	.95
71°F (22°C)	1600	755	59.5	17.4	3.79	.46	.58	.69	57.5	16.9	4.24	.46	.59	.70	55.5	16.3	4.74	.46	.59	.71	53.5	15.7	5.32	.47	.60	.73
	1800	850	61.0	17.9	3.81	.46	.59	.72	59.0	17.3	4.26	.46	.60	.73	57.0	16.7	4.76	.46	.61	.74	55.0	16.1	5.34	.47	.62	.75
	2000	945	62.5	18.3	3.83	.47	.61	.74	60.5	17.7	4.28	.47	.61	.75	58.5	17.1	4.78	.47	.62	.76	56.0	16.4	5.36	.48	.63	.78

HEATING CAPACITY - HP13-060 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input		
1600	755	67.0	19.6	4.34	52.2	15.3	3.89	36.5	10.7	3.43	26.7	7.8	2.99	13.3	3.9	2.24
1800	850	67.7	19.8	4.20	52.9	15.5	3.75	37.2	10.9	3.29	27.3	8.0	2.85	13.9	4.1	2.10
2000	945	69.3	20.3	4.08	54.5	16.0	3.64	38.8	11.4	3.18	29.0	8.5	2.74	15.6	4.6	1.99

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume HP13-060 with

[CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.20	67.7	19.8
60	16	4.09	64.3	18.8
55	13	3.99	60.9	17.8
50	10	3.88	57.6	16.9
47	8	3.82	55.6	16.3
45	7	3.75	52.9	15.5
40	4	3.59	46.1	13.5
35	2	3.42	39.4	11.5
30	-1	3.36	38.3	11.2
25	-4	3.29	37.2	10.9
20	-7	3.23	36.0	10.6
17	-8	3.19	35.3	10.3
15	-9	3.15	34.0	10.0
10	-12	3.04	30.6	9.0
5	-15	2.85	27.3	8.0
0	-18	2.66	24.0	7.0
-5	-21	2.48	20.6	6.0
-10	-23	2.29	17.3	5.1
-15	-26	2.10	13.9	4.1
-20	-29	1.91	10.6	3.1

EXPANDED RATING TABLES

13HPX - 2.5 TON

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.

COOLING CAPACITY - 13HPX-030 with

[CBX27UH-030]

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)	800	380	28.2	8.3	1.75	.75	.89	1.00	26.8	7.9	1.98	.76	.91	1.00	25.2	7.4	2.25	.78	.94	1.00	23.6	6.9	2.56	.81	.97	1.00
1000	470	29.4	8.6	1.76	.80	.96	1.00	28.0	8.2	1.99	.82	.98	1.00	26.4	7.7	2.26	.84	1.00	1.00	24.8	7.3	2.48	.87	1.00	1.00	
67°F (19°C)	800	380	29.8	8.7	1.76	.59	.72	.85	28.4	8.3	1.99	.60	.74	.87	26.8	7.9	2.26	.61	.76	.90	25.0	7.3	2.56	.62	.78	.94
1000	470	31.2	9.1	1.77	.62	.78	.92	29.6	8.7	2.00	.63	.80	.95	27.8	8.1	2.26	.65	.82	.98	26.0	7.6	2.57	.67	.85	1.00	
71°F (22°C)	800	380	31.4	9.2	1.77	.45	.57	.70	30.0	8.8	2.00	.45	.58	.71	28.4	8.3	2.27	.45	.59	.73	26.4	7.7	2.57	.46	.61	.76
1000	470	32.8	9.6	1.78	.46	.61	.75	31.2	9.1	2.02	.46	.62	.77	29.4	8.6	2.28	.47	.63	.80	27.6	8.1	2.58	.48	.65	.83	

COOLING CAPACITY - 13HPX-030 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)	840	395	28.4	8.3	1.75	.76	.90	1.00	27.0	7.9	1.98	.77	.93	1.00	25.4	7.4	2.25	.79	.96	1.00	23.8	7.0	2.56	.82	.98	1.00
1000	470	29.4	8.6	1.76	.80	.96	1.00	28.0	8.2	1.99	.82	.98	1.00	26.4	7.7	2.26	.84	1.00	1.00	24.8	7.3	2.56	.87	1.00	1.00	
67°F (19°C)	840	395	30.2	8.9	1.76	.60	.73	.87	28.6	8.4	2.00	.60	.75	.89	27.0	7.9	2.26	.62	.77	.92	25.2	7.4	2.56	.63	.80	.96
1000	470	31.2	9.1	1.77	.62	.78	.92	29.6	8.7	2.00	.63	.80	.95	27.8	8.1	2.26	.65	.82	.98	26.0	7.6	2.57	.67	.85	1.00	
71°F (22°C)	840	395	31.8	9.3	1.78	.45	.58	.71	30.2	8.9	2.01	.45	.59	.72	28.6	8.4	2.27	.46	.60	.74	26.8	7.9	2.57	.46	.62	.77
1000	470	32.8	9.6	1.78	.46	.61	.75	31.2	9.1	2.02	.46	.62	.77	29.4	8.6	2.28	.47	.63	.80	27.6	8.1	2.58	.48	.65	.83	

HEATING CAPACITY - 13HPX-030 with

[CBX27UH-030]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW
800	380	33.3	9.8	1.93	25.2	7.4	1.81	16.7	4.9	1.68	11.6	3.4	1.51	5.6	1.6	1.13
1000	470	34.1	10.0	1.82	26.0	7.6	1.70	17.5	5.1	1.57	12.4	3.6	1.40	6.4	1.9	1.02

HEATING CAPACITY - 13HPX-030 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Total Heating Capacity kW
840	395	33.6	9.8	1.91	25.5	7.5	1.78	17.0	5.0	1.65	11.9	3.5	1.49	6.0	1.8	1.10
1000	470	34.0	10.0	1.82	26.0	7.6	1.70	17.4	5.1	1.57	12.4	3.6	1.40	6.4	1.9	1.02

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume 13HPX-030 with [CBX27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.82	34.1	10.0
60	16	1.79	32.2	9.4
55	13	1.76	30.4	8.9
50	10	1.74	28.6	8.4
47	8	1.72	27.5	8.1
45	7	1.70	26.0	7.6
40	4	1.65	22.4	6.6
35	2	1.61	18.8	5.5
30	-1	1.59	18.1	5.3
25	-4	1.57	17.5	5.1
20	-7	1.55	16.9	5.0
17	-8	1.54	16.5	4.8
15	-9	1.53	15.7	4.6
10	-12	1.50	13.9	4.1
5	-15	1.40	12.4	3.6
0	-18	1.31	10.9	3.2
-5	-21	1.21	9.4	2.8
-10	-23	1.12	7.9	2.3
-15	-26	1.02	6.4	1.9
-20	-29	.93	4.9	1.4

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume 13HPX-030 with [CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	1.82	34.0	10.0
60	16	1.79	32.2	9.4
55	13	1.76	30.3	8.9
50	10	1.74	28.5	8.4
47	8	1.72	27.4	8.0
45	7	1.70	26.0	7.6
40	4	1.65	22.3	6.5
35	2	1.61	18.7	5.5
30	-1	1.59	18.1	5.3
25	-4	1.57	17.4	5.1
20	-7	1.55	16.8	4.9
17	-8	1.54	16.4	4.8
15	-9	1.53	15.7	4.6
10	-12	1.50	13.8	4.0
5	-15	1.40	12.4	3.6
0	-18	1.31	10.9	3.2
-5	-21	1.21	9.4	2.8
-10	-23	1.12	7.9	2.3
-15	-26	1.02	6.4	1.9
-20	-29	.93	4.9	1.4

EXPANDED RATING TABLES

13HPX - 3 TON

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.

COOLING CAPACITY - 13HPX-036 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)					
	cfm	L/s	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	33.8	9.9	2.26	.75	.89	1.00	32.0	9.4	2.54	.77	.92	1.00	30.2	8.9	2.87	.79	.94	1.00	28.0	8.2	3.25	.81	.98	1.00
	1200	565	35.0	10.3	2.27	.79	.95	1.00	33.2	9.7	2.56	.81	.97	1.00	31.4	9.2	2.89	.84	1.00	1.00	29.4	8.6	3.27	.87	1.00	1.00
67°F (19°C)	1000	470	35.8	10.5	2.28	.59	.73	.86	34.0	10.0	2.56	.60	.74	.88	32.0	9.4	2.90	.61	.76	.91	29.8	8.7	3.28	.63	.79	.95
	1200	565	37.0	10.8	2.30	.62	.77	.92	35.2	10.3	2.58	.63	.79	.94	33.0	9.7	2.91	.64	.81	.97	30.8	9.0	3.29	.66	.84	1.00
71°F (22°C)	1000	470	37.6	11.0	2.31	.45	.58	.70	35.8	10.5	2.59	.45	.59	.72	33.8	9.9	2.92	.46	.60	.74	31.6	9.3	3.30	.46	.62	.77
	1200	565	39.0	11.4	2.33	.46	.61	.75	37.0	10.8	2.61	.46	.62	.77	34.8	10.2	2.94	.47	.63	.79	32.6	9.6	3.32	.48	.65	.82

COOLING CAPACITY - 13HPX-036 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)					
	cfm	L/s	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	34.8	10.2	2.27	.75	.89	1.00	33.0	9.7	2.55	.77	.92	1.00	31.0	9.1	2.88	.79	.94	1.00	29.0	8.5	3.27	.81	.98	1.00
	1200	565	36.0	10.6	2.29	.79	.95	1.00	34.2	10.0	2.57	.81	.98	1.00	32.2	9.4	2.90	.84	1.00	1.00	30.2	8.9	3.28	.87	1.00	1.00
67°F (19°C)	1000	470	36.8	10.8	2.30	.59	.73	.86	35.0	10.3	2.58	.60	.74	.88	33.0	9.7	2.91	.61	.76	.91	30.6	9.0	3.29	.63	.79	.95
	1200	565	38.0	11.1	2.31	.62	.77	.92	36.2	10.6	2.60	.63	.79	.95	34.0	10.0	2.93	.65	.82	.98	31.8	9.3	3.30	.66	.85	1.00
71°F (22°C)	1000	470	38.5	11.3	2.32	.45	.58	.70	36.8	10.8	2.61	.45	.59	.72	34.8	10.2	2.93	.46	.60	.74	32.4	9.5	3.32	.46	.62	.77
	1200	565	40.0	11.7	2.34	.46	.61	.75	38.0	11.1	2.63	.46	.62	.77	36.0	10.6	2.96	.47	.63	.79	33.4	9.8	3.33	.48	.65	.82

HEATING CAPACITY - 13HPX-036 with

[CBX27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input				
1000	470	40.8	12.0	2.43	31.3	9.2	2.27	21.2	6.2	2.10	15.3	4.5	1.90	7.5	2.2	1.42				
1200	565	41.6	12.2	2.31	32.1	9.4	2.15	21.9	6.4	1.98	16.0	4.7	1.78	8.2	2.4	1.29				

HEATING CAPACITY - 13HPX-036 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input				
1000	470	41.0	12.0	2.40	31.4	9.2	2.24	21.3	6.2	2.07	15.3	4.5	1.88	7.6	2.2	1.40				
1200	565	41.7	12.2	2.27	32.1	9.4	2.12	21.9	6.4	1.95	16.0	4.7	1.76	8.2	2.4	1.28				

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume 13HPX-036 with

[CBX27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.31	41.6	12.2
60	16	2.27	39.4	11.5
55	13	2.23	37.3	10.9
50	10	2.19	35.1	10.3
47	8	2.17	33.9	9.9
45	7	2.15	32.1	9.4
40	4	2.08	27.6	8.1
35	2	2.01	23.1	6.8
30	-1	1.99	22.5	6.6
25	-4	1.98	21.9	6.4
20	-7	1.96	21.3	6.2
17	-8	1.95	21.0	6.2
15	-9	1.94	20.1	5.9
10	-12	1.90	18.0	5.3
5	-15	1.78	16.0	4.7
0	-18	1.66	14.1	4.1
-5	-21	1.54	12.1	3.5
-10	-23	1.41	10.2	3.0
-15	-26	1.29	8.2	2.4
-20	-29	1.17	6.3	1.8

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume 13HPX-036 with

[CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.27	41.7	12.2
60	16	2.24	39.5	11.6
55	13	2.20	37.3	10.9
50	10	2.17	35.2	10.3
47	8	2.14	33.9	9.9
45	7	2.12	32.1	9.4
40	4	2.05	27.6	8.1
35	2	1.98	23.1	6.8
30	-1	1.96	22.5	6.6
25	-4	1.95	21.9	6.4
20	-7	1.94	21.3	6.2
17	-8	1.93	20.9	6.1
15	-9	1.91	20.1	5.9
10	-12	1.88	17.9	5.2
5	-15	1.76	16.0	4.7
0	-18	1.64	14.0	4.1
-5	-21	1.52	12.1	3.5
-10	-23	1.40	10.2	3.0
-15	-26	1.28	8.2	2.4
-20	-29	1.16	6.3	1.8

EXPANDED RATING TABLES

13HPX - 3.5 TON

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.

COOLING CAPACITY - 13HPX-042 with

[CBX27UH-042]

Entering Wet Bulb Temperature	Total Air Volume cfm L/s		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)	1200	565	42.5	12.5	2.52	.76	.91	1.00	40.0	11.7	2.85	.78	.93	1.00	37.6	11.0	3.23	.80	.97	1.00	34.8	10.2	3.69	.83	1.00	1.00
	1400	660	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
67°F (19°C)	1200	565	44.5	13.0	2.56	.60	.74	.87	42.5	12.5	2.89	.61	.75	.90	40.0	11.7	3.28	.62	.78	.93	37.2	10.9	3.74	.64	.81	.97
	1400	660	46.0	13.5	2.58	.62	.78	.93	43.5	12.7	2.92	.63	.80	.96	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.86	1.00
71°F (22°C)	1200	565	47.0	13.8	2.60	.45	.58	.71	44.5	13.0	2.94	.45	.59	.73	42.0	12.3	3.34	.46	.61	.75	39.5	11.6	3.80	.46	.62	.78
	1400	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.5	12.7	3.36	.47	.64	.80	40.5	11.9	3.84	.48	.66	.83

COOLING CAPACITY - 13HPX-042 with

[CBX27UH-048]

Entering Wet Bulb Temperature	Total Air Volume cfm L/s		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)	1120	530	41.5	12.2	2.51	.75	.89	1.00	39.5	11.6	2.84	.76	.91	1.00	37.0	10.8	3.22	.78	.94	1.00	34.4	10.1	3.67	.81	.98	1.00
	1400	660	43.5	12.7	2.54	.80	.96	1.00	41.0	12.0	2.87	.82	.98	1.00	38.5	11.3	3.26	.85	1.00	1.00	36.4	10.7	3.72	.88	1.00	1.00
67°F (19°C)	1120	530	44.0	12.9	2.55	.59	.72	.85	42.0	12.3	2.88	.60	.74	.88	39.5	11.6	3.27	.61	.76	.90	36.6	10.7	3.73	.63	.79	.94
	1400	660	46.0	13.5	2.58	.62	.78	.93	43.5	12.7	2.92	.63	.80	.96	41.0	12.0	3.31	.65	.82	.98	38.0	11.1	3.77	.67	.86	1.00
71°F (22°C)	1120	530	46.5	13.6	2.59	.44	.57	.70	44.0	12.9	2.92	.45	.58	.71	41.5	12.2	3.32	.45	.60	.73	38.5	11.3	3.79	.46	.61	.76
	1400	660	48.5	14.2	2.63	.46	.61	.75	46.0	13.5	2.97	.46	.62	.77	43.5	12.7	3.36	.47	.64	.80	40.5	11.9	3.84	.48	.66	.83

HEATING CAPACITY - 13HPX-042 with

[CBX27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
1200	565	49.7	14.6	3.05	38.5	11.3	2.82	26.9	7.9	2.59	18.6	5.5	2.32	9.2	2.7	1.73
1400	660	50.5	14.8	2.92	39.3	11.5	2.69	27.7	8.1	2.46	19.4	5.7	2.19	10.0	2.9	1.60

HEATING CAPACITY - 13HPX-042 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW			
1120	530	49.4	14.5	3.12	38.2	11.2	2.90	26.6	7.8	2.66	18.3	5.4	2.39	8.9	2.6	1.80
1400	660	50.5	14.8	2.92	39.3	11.5	2.69	27.7	8.1	2.46	19.4	5.7	2.19	10.0	2.9	1.60

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume 13HPX-042 with [CBX27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.92	50.5	14.8
60	16	2.86	47.8	14.0
55	13	2.81	45.2	13.2
50	10	2.76	42.6	12.5
47	8	2.73	41.1	12.0
45	7	2.69	39.3	11.5
40	4	2.61	34.9	10.2
35	2	2.52	30.5	8.9
30	-1	2.49	29.1	8.5
25	-4	2.46	27.7	8.1
20	-7	2.43	26.2	7.7
17	-8	2.41	25.4	7.4
15	-9	2.39	24.3	7.1
10	-12	2.34	21.7	6.4
5	-15	2.19	19.4	5.7
0	-18	2.04	17.0	5.0
-5	-21	1.89	14.7	4.3
-10	-23	1.74	12.3	3.6
-15	-26	1.60	10.0	2.9
-20	-29	1.45	7.6	2.2

HEATING PERFORMANCE at 1400 cfm (660 L/s) Indoor Coil Air Volume 13HPX-042 with [CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.92	50.5	14.8
60	16	2.86	47.8	14.0
55	13	2.81	45.2	13.2
50	10	2.76	42.6	12.5
47	8	2.73	41.1	12.0
45	7	2.69	39.3	11.5
40	4	2.61	34.9	10.2
35	2	2.52	30.5	8.9
30	-1	2.49	29.1	8.5
25	-4	2.46	27.7	8.1
20	-7	2.43	26.2	7.7
17	-8	2.41	25.4	7.4
15	-9	2.39	24.3	7.1
10	-12	2.34	21.7	6.4
5	-15	2.19	19.4	5.7
0	-18	2.04	17.0	5.0
-5	-21	1.89	14.7	4.3
-10	-23	1.74	12.3	3.6
-15	-26	1.60	10.0	2.9
-20	-29	1.45	7.6	2.2

EXPANDED RATING TABLES

13HPX - 4 TON

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.

COOLING CAPACITY - 13HPX-048 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	47.5	13.9	3.03	.75	.89	1.00	45.0	13.2	3.43	.77	.92	1.00	42.5	12.5	3.88	.79	.94	1.00	40.0	11.7	4.40	.81	.97	1.00
1600	755	48.5	14.2	3.04	.78	.94	1.00	46.5	13.6	3.44	.80	.96	1.00	44.0	12.9	3.89	.82	.98	1.00	41.0	12.0	4.41	.85	1.00	1.00	
67°F (19°C)	1400	660	50.0	14.7	3.04	.60	.73	.86	48.0	14.1	3.45	.60	.75	.88	45.5	13.3	3.90	.62	.76	.91	42.5	12.5	4.41	.63	.79	.94
1600	755	51.5	15.1	3.05	.61	.76	.90	49.0	14.4	3.46	.62	.78	.93	46.5	13.6	3.91	.64	.80	.96	43.5	12.7	4.42	.65	.83	.98	
71°F (22°C)	1400	660	53.0	15.5	3.06	.45	.58	.71	50.5	14.8	3.47	.46	.59	.72	48.0	14.1	3.93	.46	.60	.74	45.0	13.2	4.44	.46	.62	.76
1600	755	54.5	16.0	3.06	.46	.60	.74	51.5	15.1	3.48	.46	.61	.76	49.0	14.4	3.94	.47	.62	.78	46.0	13.5	4.45	.47	.64	.80	

COOLING CAPACITY - 13HPX-048 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	45.0	13.2	3.02	.73	.85	.97	43.0	12.6	3.42	.74	.87	.99	41.0	12.0	3.86	.76	.89	1.00	38.5	11.3	4.38	.78	.92	1.00
1600	755	47.5	13.9	3.03	.77	.91	1.00	45.5	13.3	3.43	.79	.94	1.00	43.5	12.7	3.89	.81	.96	1.00	41.0	12.0	4.40	.84	.99	1.00	
67°F (19°C)	1260	595	47.5	13.9	3.03	.59	.71	.82	45.5	13.3	3.44	.60	.72	.84	43.5	12.7	3.89	.60	.74	.86	41.0	12.0	4.40	.62	.76	.89
1600	755	50.5	14.8	3.04	.62	.75	.88	48.0	14.1	3.45	.63	.77	.91	45.5	13.3	3.90	.64	.79	.94	43.0	12.6	4.42	.65	.81	.96	
71°F (22°C)	1260	595	50.0	14.7	3.04	.45	.57	.69	48.0	14.1	3.46	.46	.58	.70	45.5	13.3	3.91	.46	.59	.71	43.0	12.6	4.42	.46	.60	.73
1600	755	53.0	15.5	3.05	.46	.60	.73	50.5	14.8	3.47	.47	.61	.75	48.0	14.1	3.93	.47	.63	.77	45.0	13.2	4.44	.48	.64	.79	

HEATING CAPACITY - 13HPX-048 with

[CBX27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1400	660	54.3	15.9	3.31	42.5	12.5	3.08	30.1	8.8	2.86	22.0	6.4	2.54	10.8	3.2	1.88				
1600	755	55.2	16.2	3.19	43.4	12.7	2.97	30.9	9.1	2.75	22.9	6.7	2.43	11.7	3.4	1.77				

HEATING CAPACITY - 13HPX-048 with

[CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil																			
	65°F (18°C)				45°F (7°C)				25°F (-4°C)				5°F (-15°C)				-15°F (-26°C)			
	cfm	L/s	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input	kBtuh	kW	Comp. Motor kW Input			
1260	595	53.5	15.7	3.43	41.7	12.2	3.21	29.2	8.6	2.99	21.2	6.2	2.67	10.1	3.0	2.00				
1600	755	55.0	16.1	3.22	43.2	12.7	3.00	30.8	9.0	2.78	22.7	6.7	2.46	11.6	3.4	1.79				

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume 13HPX-048 with

[CBX27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.19	55.1	16.1
60	16	3.14	52.4	15.4
55	13	3.08	49.7	14.6
50	10	3.03	47.0	13.8
47	8	3.00	45.4	13.3
45	7	2.97	43.3	12.7
40	4	2.91	38.0	11.1
35	2	2.84	32.7	9.6
30	-1	2.79	31.8	9.3
25	-4	2.75	30.8	9.0
20	-7	2.70	29.9	8.8
17	-8	2.67	29.3	8.6
15	-9	2.65	28.3	8.3
10	-12	2.59	25.6	7.5
5	-15	2.43	22.8	6.7
0	-18	2.26	20.0	5.9
-5	-21	2.10	17.2	5.0
-10	-23	1.93	14.4	4.2
-15	-26	1.77	11.6	3.4
-20	-29	1.60	8.8	2.6

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume 13HPX-048 with

[CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.22	55.0	16.1
60	16	3.17	52.3	15.3
55	13	3.12	49.6	14.5
50	10	3.06	46.9	13.7
47	8	3.03	45.3	13.3
45	7	3.00	43.2	12.7
40	4	2.94	37.9	11.1
35	2	2.87	32.6	9.6
30	-1	2.82	31.7	9.3
25	-4	2.78	30.8	9.0
20	-7	2.73	29.8	8.7
17	-8	2.70	29.3	8.6
15	-9	2.68	28.2	8.3
10	-12	2.63	25.5	7.5
5	-15	2.46	22.7	6.7
0	-18	2.29	19.9	5.8
-5	-21	2.13	17.1	5.0
-10	-23	1.96	14.4	4.2
-15	-26	1.79	11.6	3.4
-20	-29	1.62	8.8	2.6

EXPANDED RATING TABLES

13HPX - 5 TON

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.

COOLING CAPACITY - 13HPX-060 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)	1600	755	56.0	16.4	3.93	.73	.85	.96	53.5	15.7	4.43	.74	.87	.98	51.0	14.9	5.03	.76	.89	1.00	48.0	14.1	5.72	.78	.92	1.00
	1800	850	57.5	16.9	3.95	.75	.88	.99	55.0	16.1	4.46	.76	.90	1.00	52.5	15.4	5.04	.78	.93	1.00	49.5	14.5	5.74	.80	.95	1.00
	2000	945	59.0	17.3	3.97	.77	.91	1.00	56.0	16.4	4.48	.78	.93	1.00	53.5	15.7	5.06	.80	.95	1.00	50.5	14.8	5.75	.83	.98	1.00
67°F (19°C)	1600	755	59.0	17.3	3.98	.59	.71	.82	56.5	16.6	4.48	.59	.72	.84	54.0	15.8	5.06	.60	.74	.86	50.5	14.8	5.76	.62	.75	.89
	1800	850	60.5	17.7	4.00	.60	.73	.85	58.0	17.0	4.50	.61	.74	.87	55.0	16.1	5.08	.62	.76	.89	52.0	15.2	5.76	.63	.78	.93
	2000	945	62.0	18.2	4.02	.61	.75	.88	59.0	17.3	4.52	.62	.76	.90	56.0	16.4	5.10	.63	.78	.93	53.0	15.5	5.79	.65	.81	.96
71°F (22°C)	1600	755	62.0	18.2	4.02	.45	.57	.69	59.5	17.4	4.52	.46	.58	.70	56.5	16.6	5.11	.46	.59	.71	53.0	15.5	5.79	.46	.60	.73
	1800	850	63.5	18.6	4.05	.46	.59	.71	61.0	17.9	4.54	.45	.60	.72	58.0	17.0	5.13	.47	.61	.74	54.5	16.0	5.81	.47	.62	.76
	2000	945	65.0	19.0	4.07	.46	.60	.73	62.0	18.2	4.57	.47	.61	.74	59.0	17.3	5.15	.47	.62	.76	55.5	16.3	5.83	.48	.64	.79

COOLING CAPACITY - 13HPX-061 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)	1600	755	55.0	16.1	3.45	.75	.88	.99	52.5	15.4	3.89	.76	.90	1.00	50.0	14.7	4.41	.78	.93	1.00	47.5	13.9	5.01	.80	.96	1.00
	1800	850	56.5	16.6	3.46	.77	.91	1.00	54.0	15.8	3.91	.79	.94	1.00	51.5	15.1	4.43	.81	.96	1.00	48.5	14.2	5.03	.83	.99	1.00
	2000	945	57.5	16.9	3.48	.79	.94	1.00	55.0	16.1	3.92	.81	.96	1.00	52.5	15.4	4.44	.83	.99	1.00	49.5	14.5	5.04	.86	1.00	1.00
67°F (19°C)	1600	755	58.0	17.0	3.48	.60	.73	.85	55.5	16.3	3.93	.61	.74	.87	53.0	15.5	4.44	.62	.76	.90	49.5	14.5	5.04	.63	.78	.93
	1800	850	59.5	17.4	3.50	.61	.75	.88	57.0	16.7	3.94	.62	.77	.90	54.0	15.8	4.46	.63	.79	.93	51.0	14.9	5.05	.65	.81	.96
	2000	945	60.5	17.7	3.51	.63	.77	.91	58.0	17.0	3.96	.64	.79	.94	55.0	16.1	4.47	.65	.81	.96	51.5	15.1	5.07	.67	.84	.99
71°F (22°C)	1600	755	61.0	17.9	3.51	.46	.59	.71	58.5	17.1	3.96	.46	.59	.72	55.5	16.3	4.47	.46	.61	.74	52.5	15.4	5.07	.47	.62	.76
	1800	850	62.5	18.3	3.53	.46	.60	.73	60.0	17.6	3.98	.47	.61	.75	57.0	16.7	4.49	.47	.62	.76	53.5	15.7	5.09	.48	.64	.79
	2000	945	63.5	18.6	3.55	.47	.62	.75	61.0	17.9	3.99	.47	.63	.77	58.0	17.0	4.51	.48	.64	.79	54.5	16.0	5.10	.49	.66	.82

HEATING CAPACITY - 13HPX-060 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)							
	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input				
1600	755	67.3	19.7	4.52	52.5	15.4	4.15	36.6	10.7	3.76	27.5	8.1	3.33	13.5	4.0	2.48
1800	850	68.2	20.0	4.37	53.4	15.6	3.99	37.5	11.0	3.60	28.4	8.3	3.18	14.4	4.2	2.33
2000	945	70.1	20.5	4.25	55.3	16.2	3.87	39.3	11.5	3.48	30.3	8.9	3.06	16.3	4.8	2.20

HEATING CAPACITY - 13HPX-061 with [CBX27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Air Temperature Entering Outdoor Coil															
	65°F (18°C)		45°F (7°C)		25°F (-4°C)		5°F (-15°C)		-15°F (-26°C)							
	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input	Total Heating Capacity kBtuh	Comp. Motor kW Input	Total Heating Capacity kW	Comp. Motor kW Input				
1600	755	66.9	19.6	4.55	52.3	15.3	4.12	36.7	10.8	3.67	27.8	8.1	3.22	13.7	4.0	2.41
1800	850	67.6	19.8	4.40	53.1	15.6	3.96	37.5	11.0	3.51	28.5	8.4	3.06	14.5	4.2	2.25
2000	945	69.6	20.4	4.28	55.0	16.1	3.84	39.4	11.5	3.39	30.5	8.9	2.95	16.4	4.8	2.13

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume 13HPX-060 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.37	68.2	20.0
60	16	4.28	64.9	19.0
55	13	4.19	61.6	18.1
50	10	4.10	58.3	17.1
47	8	4.05	56.3	16.5
45	7	3.99	53.4	15.6
40	4	3.85	46.0	13.5
35	2	3.71	38.7	11.3
30	-1	3.66	38.1	11.2
25	-4	3.60	37.5	11.0
20	-7	3.55	36.9	10.8
17	-8	3.52	36.5	10.7
15	-9	3.48	35.2	10.3
10	-12	3.40	31.9	9.3
5	-15	3.18	28.4	8.3
0	-18	2.97	24.9	7.3
-5	-21	2.75	21.4	6.3
-10	-23	2.54	17.9	5.2
-15	-26	2.33	14.4	4.2
-20	-29	2.11	11.0	3.2

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume 13HPX-061 with [CBX27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.40	67.6	19.8
60	16	4.29	64.4	18.9
55	13	4.19	61.2	17.9
50	10	4.09	57.9	17.0
47	8	4.03	56.0	16.4
45	7	3.96	53.1	15.6
40	4	3.80	45.8	13.4
35	2	3.64	38.6	11.3
30	-1	3.57	38.0	11.1
25	-4	3.51	37.5	11.0
20	-7	3.45	36.9	10.8
17	-8	3.41	36.6	10.7
15	-9	3.37	35.3	10.3
10	-12	3.27	32.0	9.4
5	-15	3.06	28.5	8.4
0	-18	2.86	25.0	7.3
-5	-21	2.66	21.5	6.3
-10	-23	2.45	18.0	5.3
-15	-26	2.25	14.5	4.2
-20	-29	2.05	11.0	3.2

EXPANDED RATING TABLES

13HPD - 2.5 TON

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.

COOLING CAPACITY - 13HPD-030 with

[CB27UH-030]

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)	800	380	29.8	8.7	1.98	.74	.88	1.00	28.6	8.4	2.21	.75	.90	1.00	27.4	8.0	2.48	.77	.92	1.00	26.0	7.6	2.78	.79	.94	1.00
	1000	470	31.2	9.1	1.99	.79	.95	1.00	30.0	8.8	2.23	.81	.97	1.00	28.8	8.4	2.49	.83	.99	1.00	27.4	8.0	2.79	.85	1.00	1.00
67° F (19° C)	800	380	31.6	9.3	2.00	.59	.72	.84	30.4	8.9	2.23	.59	.73	.86	29.2	8.6	2.50	.60	.74	.88	27.8	8.1	2.79	.61	.76	.91
	1000	470	33.0	9.7	2.01	.62	.77	.91	31.8	9.3	2.25	.63	.78	.94	30.4	8.9	2.51	.63	.80	.96	29.0	8.5	2.80	.65	.82	.98
71° F (22° C)	800	380	33.4	9.8	2.02	.45	.58	.70	32.2	9.4	2.25	.45	.58	.70	30.8	9.0	2.51	.45	.59	.72	29.4	8.6	2.81	.45	.60	.73
	1000	470	34.8	10.2	2.03	.47	.61	.74	33.6	9.8	2.27	.47	.61	.76	32.2	9.4	2.53	.47	.62	.78	30.8	9.0	2.82	.47	.64	.80

COOLING CAPACITY - 13HPD-030 with

[CB27UH-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)	840	395	30.2	8.9	1.98	.75	.89	1.00	29.0	8.5	2.22	.76	.91	1.00	27.6	8.1	2.48	.78	.94	1.00	26.2	7.7	2.78	.80	.96	1.00
	1000	470	31.2	9.1	1.99	.79	.95	1.00	30.0	8.8	2.23	.81	.97	1.00	28.8	8.4	2.49	.83	.99	1.00	27.4	8.0	2.79	.85	1.00	1.00
67° F (19° C)	840	395	32.0	9.4	2.00	.60	.73	.86	30.8	9.0	2.24	.60	.74	.87	29.4	8.6	2.50	.61	.75	.90	28.0	8.2	2.79	.62	.77	.92
	1000	470	33.0	9.7	2.01	.62	.77	.91	31.8	9.3	2.25	.63	.78	.94	30.4	8.9	2.51	.63	.80	.96	29.0	8.5	2.80	.65	.82	.98
71° F (22° C)	840	395	33.6	9.8	2.02	.46	.58	.71	32.4	9.5	2.26	.46	.59	.72	31.2	9.1	2.52	.45	.60	.73	29.8	8.7	2.81	.46	.60	.75
	1000	470	34.8	10.2	2.03	.47	.61	.74	33.6	9.8	2.27	.47	.61	.76	32.2	9.4	2.53	.47	.62	.78	30.8	9.0	2.82	.47	.64	.80

HEATING CAPACITY - 13HPD-030 with

[CB27UH-030]

Indoor Coil Air Volume 70° F db (21° C db)		Air Temperature Entering Outdoor Coil														
		65° F (18° C)			45° F (7° C)			25° F (-4° C)			5° F (-15° C)			-15° F (-26° C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
800	380	34.3	10.1	2.14	26.3	7.7	2.10	17.7	5.2	2.05	12.9	3.8	1.95	6.4	1.9	1.43
1000	470	34.7	10.2	2.02	26.7	7.8	1.98	18.1	5.3	1.93	13.3	3.9	1.83	6.9	2.0	1.31

HEATING CAPACITY - 13HPD-030 with

[CB27UH-036]

Indoor Coil Air Volume 70° F db (21° C db)		Air Temperature Entering Outdoor Coil														
		65° F (18° C)			45° F (7° C)			25° F (-4° C)			5° F (-15° C)			-15° F (-26° C)		
cfm	L/s	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input
		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW		kBtuh	kW	
840	395	34.5	10.1	2.11	26.5	7.8	2.07	17.9	5.2	2.01	13.1	3.8	1.91	6.7	2.0	1.39
1000	470	34.7	10.2	2.02	26.6	7.8	1.98	18.0	5.3	1.93	13.3	3.9	1.83	6.8	2.0	1.31

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume 13HPD-030 with

[CB27UH-030]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	34.7	10.2
60	16	2.02	32.9	9.6
55	13	2.01	31.1	9.1
50	10	2.01	29.3	8.6
47	8	2.00	28.3	8.3
45	7	1.98	26.7	7.8
40	4	1.94	22.8	6.7
35	2	1.89	18.9	5.5
30	-1	1.91	18.5	5.4
25	-4	1.93	18.1	5.3
20	-7	1.96	17.7	5.2
17	-8	1.97	17.5	5.1
15	-9	1.97	16.7	4.9
10	-12	1.96	14.9	4.4
5	-15	1.83	13.3	3.9
0	-18	1.70	11.7	3.4
-5	-21	1.57	10.1	3.0
-10	-23	1.44	8.5	2.5
-15	-26	1.31	6.9	2.0
-20	-29	1.18	5.2	1.5

HEATING PERFORMANCE at 1000 cfm (470 L/s) Indoor Coil Air Volume 13HPD-030 with

[CB27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.02	34.7	10.2
60	16	2.02	32.9	9.6
55	13	2.01	31.1	9.1
50	10	2.01	29.3	8.6
47	8	2.00	28.2	8.3
45	7	1.98	26.6	7.8
40	4	1.94	22.7	6.7
35	2	1.89	18.8	5.5
30	-1	1.91	18.4	5.4
25	-4	1.93	18.0	5.3
20	-7	1.96	17.6	5.2
17	-8	1.97	17.4	5.1
15	-9	1.97	16.7	4.9
10	-12	1.96	14.9	4.4
5	-15	1.83	13.3	3.9
0	-18	1.70	11.7	3.4
-5	-21	1.57	10.1	3.0
-10	-23	1.44	8.4	2.5
-15	-26	1.31	6.8	2.0
-20	-29	1.18	5.2	1.5

EXPANDED RATING TABLES

13HPD - 3 TON

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.

COOLING CAPACITY - 13HPD-036 with

[CB27UH-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	34.0	10.0	2.30	.76	.90	1.00	32.8	9.6	2.57	.77	.92	1.00	31.4	9.2	2.87	.78	.93	1.00	30.0	8.8	3.22	.80	.95	1.00
1200	565	35.0	10.3	2.32	.80	.96	1.00	33.8	9.9	2.59	.81	.97	1.00	32.6	9.6	2.89	.83	.99	1.00	31.2	9.1	3.23	.85	1.00	1.00	
67°F (19°C)	1000	470	35.8	10.5	2.33	.60	.73	.86	34.6	10.1	2.60	.61	.74	.88	33.2	9.7	2.90	.61	.76	.90	31.8	9.3	3.24	.62	.77	.92
1200	565	37.0	10.8	2.34	.62	.77	.93	35.8	10.5	2.61	.63	.79	.94	34.4	10.1	2.92	.64	.81	.96	32.8	9.6	3.26	.65	.83	.98	
71°F (22°C)	1000	470	37.6	11.0	2.35	.46	.58	.71	36.4	10.7	2.62	.46	.59	.72	35.0	10.3	2.93	.46	.60	.73	33.6	9.8	3.27	.46	.61	.75
1200	565	39.0	11.4	2.37	.47	.61	.76	37.6	11.0	2.64	.46	.62	.76	36.2	10.6	2.94	.47	.63	.79	34.6	10.1	3.29	.48	.64	.81	

COOLING CAPACITY - 13HPD-036 with

[CB27UH-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	35.2	10.3	2.32	.75	.89	1.00	34.0	10.0	2.59	.76	.91	1.00	32.6	9.6	2.89	.78	.93	1.00	31.2	9.1	3.23	.79	.95	1.00
1200	565	36.6	10.7	2.34	.79	.95	1.00	35.2	10.3	2.60	.81	.97	1.00	33.8	9.9	2.91	.83	.99	1.00	32.4	9.5	3.25	.84	1.00	1.00	
67°F (19°C)	1000	470	37.2	10.9	2.35	.59	.73	.86	36.0	10.6	2.61	.60	.74	.88	34.6	10.1	2.92	.61	.75	.90	33.2	9.7	3.27	.62	.77	.92
1200	565	38.5	11.3	2.37	.62	.77	.92	37.2	10.9	2.63	.63	.79	.94	35.8	10.5	2.94	.64	.80	.96	34.2	10.0	3.28	.65	.82	.98	
71°F (22°C)	1000	470	39.0	11.4	2.37	.45	.58	.70	37.8	11.1	2.64	.45	.59	.72	36.4	10.7	2.95	.46	.60	.73	35.0	10.3	3.29	.46	.61	.75
1200	565	40.5	11.9	2.39	.46	.61	.75	39.0	11.4	2.66	.47	.62	.76	37.6	11.0	2.97	.47	.63	.78	36.0	10.6	3.31	.47	.64	.80	

HEATING CAPACITY - 13HPD-036 with

[CB27UH-036]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
1000	470	40.4	11.8	2.46	31.0	9.1	2.36	21.0	6.2	2.26	15.2	4.5	2.10	7.6	2.2	1.54
1200	565	40.8	12.0	2.34	31.4	9.2	2.25	21.4	6.3	2.15	15.7	4.6	1.98	8.1	2.4	1.43

HEATING CAPACITY - 13HPD-036 with

[CB27UH-042]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input			
1000	470	40.3	11.8	2.53	31.0	9.1	2.40	21.1	6.2	2.25	15.4	4.5	2.05	7.8	2.3	1.52
1200	565	40.6	11.9	2.40	31.3	9.2	2.27	21.3	6.2	2.12	15.6	4.6	1.92	8.0	2.3	1.39

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume 13HPD-036 with

[CB27UH-036]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.34	40.8	12.0
60	16	2.32	38.7	11.3
55	13	2.30	36.6	10.7
50	10	2.28	34.5	10.1
47	8	2.27	33.2	9.7
45	7	2.25	31.4	9.2
40	4	2.19	26.9	7.9
35	2	2.14	22.5	6.6
30	-1	2.14	21.9	6.4
25	-4	2.15	21.4	6.3
20	-7	2.15	20.9	6.1
17	-8	2.15	20.5	6.0
15	-9	2.14	19.7	5.8
10	-12	2.12	17.6	5.2
5	-15	1.98	15.7	4.6
0	-18	1.85	13.8	4.0
-5	-21	1.71	11.9	3.5
-10	-23	1.57	10.0	2.9
-15	-26	1.43	8.1	2.4
-20	-29	1.29	6.2	1.8

HEATING PERFORMANCE at 1200 cfm (565 L/s) Indoor Coil Air Volume 13HPD-036 with

[CB27UH-042]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	2.40	40.6	11.9
60	16	2.37	38.5	11.3
55	13	2.34	36.4	10.7
50	10	2.31	34.3	10.1
47	8	2.29	33.0	9.7
45	7	2.27	31.3	9.2
40	4	2.21	26.8	7.9
35	2	2.16	22.4	6.6
30	-1	2.14	21.9	6.4
25	-4	2.12	21.3	6.2
20	-7	2.11	20.8	6.1
17	-8	2.10	20.5	6.0
15	-9	2.09	19.6	5.7
10	-12	2.05	17.5	5.1
5	-15	1.92	15.6	4.6
0	-18	1.79	13.7	4.0
-5	-21	1.66	11.8	3.5
-10	-23	1.52	9.9	2.9
-15	-26	1.39	8.0	2.3
-20	-29	1.26	6.1	1.8

EXPANDED RATING TABLES

13HPD - 4 TON

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.

COOLING CAPACITY - 13HPD-048 with

[CB27UH-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	48.5	14.2	3.18	.74	.87	.99	47.0	13.8	3.56	.75	.89	1.00	45.0	13.2	4.00	.76	.90	1.00	43.0	12.6	4.51	.77	.92	1.00
1600	755	50.0	14.7	3.20	.77	.91	1.00	48.0	14.1	3.57	.78	.93	1.00	46.5	13.6	4.01	.79	.95	1.00	44.5	13.0	4.52	.81	.97	1.00	
67°F (19°C)	1400	660	51.0	14.9	3.22	.59	.72	.84	49.5	14.5	3.59	.59	.72	.85	47.5	13.9	4.03	.60	.74	.87	45.5	13.3	4.54	.61	.75	.89
1600	755	52.5	15.4	3.24	.60	.74	.88	50.5	14.8	3.61	.61	.75	.90	49.0	14.4	4.04	.62	.77	.92	47.0	13.8	4.55	.63	.79	.94	
71°F (22°C)	1400	660	53.5	15.7	3.26	.45	.57	.69	52.0	15.2	3.63	.45	.58	.70	50.0	14.7	4.06	.45	.59	.71	48.0	14.1	4.56	.46	.60	.73
1600	755	55.0	16.1	3.28	.46	.59	.72	53.5	15.7	3.65	.46	.60	.73	51.0	14.9	4.07	.46	.61	.75	49.0	14.4	4.57	.46	.62	.76	

COOLING CAPACITY - 13HPD-048 with

[CB27UH-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	46.5	13.6	3.16	.71	.83	.93	45.0	13.2	3.54	.72	.84	.95	43.5	12.7	3.99	.73	.85	.97	41.5	12.2	4.50	.74	.87	.98
1600	755	49.0	14.4	3.19	.75	.88	.99	47.5	13.9	3.57	.76	.90	1.00	45.5	13.3	4.01	.77	.92	1.00	44.0	12.9	4.52	.79	.94	1.00	
67°F (19°C)	1260	595	49.0	14.4	3.19	.58	.69	.80	47.5	13.9	3.57	.58	.70	.81	45.5	13.3	4.01	.59	.71	.82	44.0	12.9	4.52	.60	.72	.84
1600	755	51.5	15.1	3.23	.60	.73	.85	50.0	14.7	3.60	.61	.74	.87	48.0	14.1	4.03	.62	.75	.89	46.0	13.5	4.54	.62	.77	.91	
71°F (22°C)	1260	595	51.0	14.9	3.22	.45	.57	.67	49.5	14.5	3.59	.45	.57	.68	48.0	14.1	4.03	.45	.58	.69	46.0	13.5	4.54	.46	.58	.70
1600	755	54.0	15.8	3.26	.46	.59	.71	52.5	15.4	3.63	.46	.60	.72	50.5	14.8	4.06	.46	.60	.73	48.5	14.2	4.56	.46	.61	.75	

HEATING CAPACITY - 13HPD-048 with

[CB27UH-048]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1400	660	57.1	16.7	3.16	44.1	12.9	2.96	30.0	8.8	2.73	22.9	6.7	2.53	11.5	3.4	1.87
1600	755	57.6	16.9	3.05	44.6	13.1	2.85	30.6	9.0	2.62	23.4	6.9	2.42	12.0	3.5	1.76

HEATING CAPACITY - 13HPD-048 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)		Air Temperature Entering Outdoor Coil														
		65°F (18°C)			45°F (7°C)			25°F (-4°C)			5°F (-15°C)			-15°F (-26°C)		
cfm	L/s	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	Total Heating Capacity	Comp. Motor kW Input	
		kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	
1260	595	56.7	16.6	3.27	43.7	12.8	3.07	29.7	8.7	2.85	22.5	6.6	2.65	11.1	3.3	1.98
1600	755	57.5	16.9	3.04	44.5	13.0	2.85	30.5	8.9	2.62	23.3	6.8	2.43	11.9	3.5	1.76

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume 13HPD-048 with [CB27UH-048]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.05	57.5	16.9
60	16	3.01	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.65	30.2	8.9
15	-9	2.63	29.1	8.5
10	-12	2.59	26.2	7.7
5	-15	2.42	23.4	6.9
0	-18	2.26	20.5	6.0
-5	-21	2.09	17.6	5.2
-10	-23	1.92	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

HEATING PERFORMANCE at 1600 cfm (755 L/s) Indoor Coil Air Volume 13HPD-048 with [CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	3.04	57.5	16.9
60	16	3.00	54.7	16.0
55	13	2.96	51.8	15.2
50	10	2.92	49.0	14.4
47	8	2.90	47.3	13.9
45	7	2.85	44.5	13.0
40	4	2.71	37.7	11.0
35	2	2.58	30.9	9.1
30	-1	2.60	30.7	9.0
25	-4	2.62	30.5	8.9
20	-7	2.64	30.3	8.9
17	-8	2.66	30.2	8.9
15	-9	2.64	29.0	8.5
10	-12	2.60	26.2	7.7
5	-15	2.43	23.3	6.8
0	-18	2.26	20.5	6.0
-5	-21	2.10	17.6	5.2
-10	-23	1.93	14.8	4.3
-15	-26	1.76	11.9	3.5
-20	-29	1.59	9.1	2.7

EXPANDED RATING TABLES

13HPD - 5 TON

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.

COOLING CAPACITY - 13HPD-060 with

[CB27UH-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	52.5	15.4	3.61	.74	.86	.98	51.0	14.9	4.05	.75	.88	.99	49.0	14.4	4.55	.76	.89	1.00	47.0	13.8	5.12	.77	.91	1.00
	1800	850	54.0	15.8	3.63	.76	.89	1.00	52.0	15.2	4.07	.77	.91	1.00	50.5	14.8	4.57	.78	.93	1.00	48.5	14.2	5.13	.80	.95	1.00
	2000	945	55.0	16.1	3.64	.78	.92	1.00	53.5	15.7	4.08	.79	.94	1.00	51.5	15.1	4.58	.80	.95	1.00	49.5	14.5	5.15	.82	.97	1.00
67°F (19°C)	1600	755	55.5	16.3	3.65	.59	.71	.83	54.0	15.8	4.09	.60	.72	.84	52.0	15.2	4.58	.61	.74	.86	50.0	14.7	5.16	.61	.75	.88
	1800	850	57.0	16.7	3.67	.61	.74	.86	55.5	16.3	4.11	.61	.75	.88	53.5	15.7	4.61	.62	.76	.89	51.5	15.1	5.17	.63	.77	.92
	2000	945	58.5	17.1	3.69	.62	.76	.89	56.5	16.6	4.12	.63	.77	.91	54.5	16.0	4.62	.63	.78	.93	52.5	15.4	5.18	.64	.80	.95
71°F (22°C)	1600	755	58.5	17.1	3.69	.46	.58	.69	56.5	16.6	4.13	.45	.59	.70	55.0	16.1	4.62	.46	.59	.71	53.0	15.5	5.18	.46	.60	.73
	1800	850	60.0	17.6	3.71	.46	.59	.71	58.0	17.0	4.15	.46	.60	.72	56.0	16.4	4.64	.46	.61	.74	54.0	15.8	5.21	.47	.62	.75
	2000	945	61.5	18.0	3.73	.47	.61	.73	59.5	17.4	4.16	.47	.61	.75	57.5	16.9	4.66	.47	.62	.76	55.0	16.1	5.22	.47	.63	.78

HEATING CAPACITY - 13HPD-060 with

[CB27UH-060]

Indoor Coil Air Volume 70°F db (21°C db)	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	Total Heating Capacity		Comp. Motor kW Input	
																65°F (18°C)
	cfm	L/s	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1600	755	65.9	19.3	4.28	51.6	15.1	3.83	36.5	10.7	3.36	26.8	7.9	2.93	13.4	3.9	2.20
1800	850	66.5	19.5	4.13	52.2	15.3	3.68	37.1	10.9	3.22	27.5	8.1	2.79	14.0	4.1	2.06
2000	945	68.2	20.0	4.02	53.9	15.8	3.57	38.7	11.3	3.10	29.1	8.5	2.68	15.6	4.6	1.94

HEATING PERFORMANCE at 1800 cfm (850 L/s) Indoor Coil Air Volume 13HPD-060 with

[CB27UH-060]

*Outdoor Temperature		Compressor Motor kW Input	Total Output	
°F	°C		kBtuh	kW
65	18	4.13	66.5	19.5
60	16	4.03	63.3	18.6
55	13	3.92	60.0	17.6
50	10	3.82	56.8	16.6
47	8	3.75	54.8	16.1
45	7	3.68	52.2	15.3
40	4	3.51	45.7	13.4
35	2	3.33	39.2	11.5
30	-1	3.27	38.2	11.2
25	-4	3.22	37.1	10.9
20	-7	3.16	36.0	10.6
17	-8	3.12	35.4	10.4
15	-9	3.08	34.1	10.0
10	-12	2.97	30.8	9.0
5	-15	2.79	27.5	8.1
0	-18	2.61	24.1	7.1
-5	-21	2.42	20.7	6.1
-10	-23	2.24	17.4	5.1
-15	-26	2.06	14.0	4.1
-20	-29	1.87	10.6	3.1



**ARI Standard
210/240 UHP**



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