



XP13

## EXPANDED RATING TABLES

*PRODUCT SPECIFICATIONS*

April 2012  
Supersedes June 2011  
Bulletin No. 210432R



**For any expanded ratings not shown, please contact the Lennox Technical Support Department.**

NOTE - Due to Lennox' ongoing commitment to quality, Ratings are 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.

**XP13-018-230-08 - CBX26UH-018**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	600	19	1.12	0.77	0.92	1	18.1	1.28	0.79	0.95	1	17	1.45	0.82	0.98	1	15.9	1.66	0.85	1	1
	600	19	1.12	0.77	0.92	1	18.1	1.28	0.79	0.95	1	17	1.45	0.82	0.98	1	15.9	1.66	0.85	1	1
	840	20.6	1.12	0.86	1	1	19.6	1.28	0.89	1	1	18.6	1.47	0.93	1	1	17.4	1.67	0.97	1	1
67°F	600	20.2	1.12	0.61	0.75	0.88	19.2	1.28	0.62	0.77	0.91	18.1	1.46	0.63	0.79	0.95	16.8	1.67	0.65	0.83	0.98
	600	20.2	1.12	0.61	0.75	0.88	19.2	1.28	0.62	0.77	0.91	18.1	1.46	0.63	0.79	0.95	16.8	1.67	0.65	0.83	0.98
	840	21.4	1.12	0.66	0.83	0.99	20.2	1.29	0.68	0.87	1	19.1	1.47	0.7	0.9	1	17.7	1.67	0.73	0.94	1
71°F	600	21.4	1.12	0.46	0.6	0.72	20.4	1.29	0.46	0.61	0.74	19.2	1.47	0.47	0.62	0.77	17.9	1.67	0.47	0.64	0.8
	600	21.4	1.12	0.46	0.6	0.72	20.4	1.29	0.46	0.61	0.74	19.2	1.47	0.47	0.62	0.77	17.9	1.67	0.47	0.64	0.8
	840	22.6	1.13	0.48	0.65	0.81	21.6	1.3	0.49	0.67	0.84	20.2	1.48	0.5	0.69	0.88	18.8	1.68	0.51	0.71	0.92

**XP13-018-230-08 - CBX26UH-018**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
600	21	1.2	16.6	1.14	12	1.07	8.7	0.97	4.4	0.7
600	21	1.2	16.6	1.14	12	1.07	8.7	0.97	4.4	0.7
838	21.7	1.11	17.3	1.05	12.7	0.99	9.4	0.88	5.1	0.61

**XP13-018-230-08 - CBX26UH-018**

**HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.2	21
60	1.18	20
55	1.17	19
50	1.15	18
47	1.14	17.3
45	1.14	16.6
40	1.12	14.9
35	1.1	13.1
30	1.09	12.6
25	1.07	12
20	1.06	11.5
17	1.05	11.2
15	1.05	10.8
10	1.03	9.7
5	0.97	8.7
0	0.9	7.6
-5	0.83	6.5
-10	0.77	5.5
-15	0.7	4.4
-20	0.63	3.4

**XP13-018-230-08 - CBX27UH-024**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	600	19.4	1.17	0.78	0.94	1	18.3	1.34	0.8	0.97	1	17.2	1.53	0.83	0.99	1	16	1.76	0.86	1	1
	600	19.4	1.17	0.78	0.94	1	18.3	1.34	0.8	0.97	1	17.2	1.53	0.83	0.99	1	16	1.76	0.86	1	1
	780	20.6	1.17	0.86	1	1	19.6	1.35	0.88	1	1	18.5	1.54	0.92	1	1	17.2	1.76	0.96	1	1
67°F	600	20.6	1.18	0.61	0.76	0.9	19.5	1.34	0.62	0.78	0.93	18.2	1.54	0.64	0.8	0.96	16.8	1.76	0.66	0.84	1
	600	20.6	1.18	0.61	0.76	0.9	19.5	1.34	0.62	0.78	0.93	18.2	1.54	0.64	0.8	0.96	16.8	1.76	0.66	0.84	1
	780	21.8	1.18	0.65	0.83	0.99	20.4	1.35	0.67	0.86	1	19.1	1.54	0.69	0.89	1	17.6	1.76	0.72	0.94	1
71°F	600	21.8	1.18	0.45	0.59	0.73	20.6	1.35	0.46	0.61	0.75	19.4	1.54	0.46	0.62	0.78	17.9	1.76	0.47	0.64	0.81
	600	21.8	1.18	0.45	0.59	0.73	20.6	1.35	0.46	0.61	0.75	19.4	1.54	0.46	0.62	0.78	17.9	1.76	0.47	0.64	0.81
	780	23	1.18	0.47	0.64	0.81	21.6	1.35	0.48	0.66	0.84	20.2	1.55	0.49	0.68	0.87	18.7	1.77	0.5	0.71	0.91

**XP13-018-230-08 - CBX27UH-024**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
600	20.9	1.16	16.4	1.11	11.8	1.05	8.4	0.94	4.3	0.68
600	20.9	1.16	16.4	1.11	11.8	1.05	8.4	0.94	4.3	0.68
780	21.4	1.09	17	1.03	12.3	0.98	8.9	0.87	4.8	0.61

**XP13-018-230-08 - CBX27UH-024**

**HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.16	20.9
60	1.15	19.9
55	1.13	18.8
50	1.12	17.8
47	1.11	17.2
45	1.11	16.4
40	1.09	14.7
35	1.07	12.9
30	1.06	12.4
25	1.05	11.8
20	1.04	11.2
17	1.03	10.9
15	1.02	10.5
10	1.01	9.5
5	0.94	8.4
0	0.88	7.4
-5	0.81	6.4
-10	0.75	5.3
-15	0.68	4.3
-20	0.62	3.3

**XP13-018-230-08 - CBX32M-018/024**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	590	19.3	1.16	0.77	0.92	1	18.2	1.33	0.79	0.95	1	17.1	1.52	0.82	0.98	1	15.9	1.74	0.85	1	1
	590	19.3	1.16	0.77	0.92	1	18.2	1.33	0.79	0.95	1	17.1	1.52	0.82	0.98	1	15.9	1.74	0.85	1	1
	745	20.2	1.17	0.83	0.99	1	19.2	1.33	0.86	1	1	18.2	1.52	0.89	1	1	17	1.75	0.93	1	1
67°F	590	20.6	1.16	0.61	0.75	0.88	19.4	1.33	0.61	0.77	0.91	18.2	1.52	0.63	0.79	0.94	16.9	1.74	0.65	0.82	0.98
	590	20.6	1.16	0.61	0.75	0.88	19.4	1.33	0.61	0.77	0.91	18.2	1.52	0.63	0.79	0.94	16.9	1.74	0.65	0.82	0.98
	745	21.4	1.17	0.64	0.81	0.97	20.2	1.33	0.66	0.83	0.99	18.9	1.52	0.67	0.86	1	17.5	1.75	0.7	0.9	1
71°F	590	21.6	1.17	0.45	0.59	0.72	20.4	1.34	0.46	0.6	0.74	19.3	1.53	0.46	0.61	0.76	17.9	1.75	0.47	0.64	0.8
	590	21.6	1.17	0.45	0.59	0.72	20.4	1.34	0.46	0.6	0.74	19.3	1.53	0.46	0.61	0.76	17.9	1.75	0.47	0.64	0.8
	745	22.6	1.17	0.47	0.63	0.78	21.4	1.34	0.48	0.64	0.81	20	1.53	0.48	0.66	0.84	18.6	1.76	0.49	0.69	0.88

**XP13-018-230-08 - CBX32M-018/024**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
590	21.2	1.2	16.8	1.13	12.1	1.07	8.8	0.96	4.5	0.7
590	21.2	1.2	16.8	1.13	12.1	1.07	8.8	0.96	4.5	0.7
745	21.7	1.13	17.2	1.07	12.6	1	9.3	0.9	5	0.63

**XP13-018-230-08 - CBX32M-018/024**

**HEATING PERFORMANCE at 590 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.2	21.2
60	1.18	20.1
55	1.17	19.1
50	1.15	18.1
47	1.14	17.5
45	1.13	16.8
40	1.12	15
35	1.1	13.2
30	1.08	12.7
25	1.07	12.1
20	1.06	11.6
17	1.05	11.3
15	1.04	10.9
10	1.03	9.8
5	0.96	8.8
0	0.9	7.7
-5	0.83	6.6
-10	0.76	5.5
-15	0.7	4.5
-20	0.63	3.4

**XP13-018-230-08 - CBX32MV-018/024**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	465	18.2	1.16	0.72	0.85	0.97	17.3	1.33	0.74	0.87	1	16.2	1.52	0.76	0.9	1	15	1.74	0.78	0.94	1
	620	19.5	1.16	0.79	0.94	1	18.4	1.33	0.8	0.96	1	17.3	1.52	0.83	0.99	1	16.2	1.74	0.86	1	1
	690	20	1.16	0.81	0.97	1	18.9	1.33	0.83	0.99	1	17.8	1.52	0.86	1	1	16.7	1.74	0.9	1	1
67°F	465	19.4	1.16	0.58	0.7	0.82	18.4	1.33	0.58	0.71	0.84	17.3	1.52	0.59	0.73	0.86	16.1	1.74	0.61	0.76	0.9
	620	20.6	1.17	0.61	0.76	0.9	19.6	1.33	0.62	0.78	0.93	18.3	1.52	0.64	0.81	0.96	17	1.75	0.66	0.84	1
	690	21.2	1.16	0.63	0.79	0.94	20	1.33	0.64	0.81	0.97	18.7	1.52	0.66	0.84	0.99	17.3	1.74	0.68	0.87	1
71°F	465	20.4	1.16	0.44	0.56	0.67	19.4	1.33	0.44	0.57	0.69	18.3	1.52	0.45	0.58	0.7	17.1	1.74	0.45	0.59	0.73
	620	21.8	1.17	0.46	0.6	0.73	20.6	1.34	0.46	0.61	0.76	19.5	1.53	0.47	0.63	0.78	18.1	1.75	0.47	0.65	0.81
	690	22.2	1.17	0.47	0.62	0.76	21	1.34	0.47	0.63	0.79	19.8	1.53	0.48	0.65	0.81	18.4	1.75	0.48	0.67	0.85

**XP13-018-230-08 - CBX32MV-018/024**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
465	20.4	1.28	16	1.22	11.3	1.16	7.9	1.06	3.7	0.79
620	21	1.18	16.6	1.12	12	1.06	8.6	0.96	4.4	0.69
690	21.3	1.15	16.9	1.09	12.2	1.03	8.8	0.93	4.6	0.66

**XP13-018-230-08 - CBX32MV-018/024**

**HEATING PERFORMANCE at 620 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.18	21
60	1.16	20
55	1.15	19
50	1.14	17.9
47	1.13	17.3
45	1.12	16.6
40	1.1	14.8
35	1.09	13.1
30	1.07	12.5
25	1.06	12
20	1.05	11.4
17	1.04	11.1
15	1.04	10.7
10	1.02	9.6
5	0.96	8.6
0	0.89	7.5
-5	0.82	6.5
-10	0.76	5.4
-15	0.69	4.4
-20	0.63	3.3

**XP13-018-230-08 - CBX32MV-024/030**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	540	19	1.17	0.76	0.9	1	17.9	1.34	0.78	0.93	1	16.7	1.53	0.8	0.96	1	15.5	1.76	0.83	1	1
	600	19.4	1.17	0.78	0.94	1	18.3	1.34	0.8	0.97	1	17.2	1.53	0.83	0.99	1	16	1.76	0.86	1	1
	660	19.8	1.17	0.81	0.97	1	18.7	1.34	0.83	0.99	1	17.6	1.54	0.86	1	1	16.5	1.76	0.9	1	1
67°F	540	20.2	1.17	0.59	0.73	0.86	19	1.35	0.6	0.75	0.89	17.8	1.54	0.62	0.77	0.92	16.5	1.76	0.64	0.8	0.96
	600	20.6	1.18	0.61	0.76	0.9	19.5	1.34	0.62	0.78	0.93	18.2	1.54	0.64	0.8	0.96	16.8	1.76	0.66	0.84	1
	660	21	1.17	0.62	0.78	0.93	19.9	1.34	0.64	0.8	0.97	18.5	1.54	0.65	0.83	1	17.2	1.76	0.68	0.87	1
71°F	540	21.4	1.17	0.45	0.58	0.7	20.2	1.35	0.45	0.59	0.72	18.9	1.54	0.46	0.6	0.75	17.6	1.76	0.46	0.62	0.78
	600	21.8	1.18	0.45	0.59	0.73	20.6	1.35	0.46	0.61	0.75	19.4	1.54	0.46	0.62	0.78	17.9	1.76	0.47	0.64	0.81
	660	22.4	1.18	0.46	0.61	0.76	21	1.35	0.46	0.62	0.78	19.7	1.54	0.47	0.64	0.81	18.2	1.76	0.48	0.67	0.84

**XP13-018-230-08 - CBX32MV-024/030**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
540	20.8	1.2	16.4	1.14	11.7	1.08	8.3	0.98	4.1	0.72
600	21.1	1.16	16.6	1.11	12	1.05	8.6	0.94	4.4	0.68
660	21.4	1.13	16.9	1.08	12.2	1.02	8.9	0.92	4.7	0.66

**XP13-018-230-08 - CBX32MV-024/030  
HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.16	21.1
60	1.15	20
55	1.13	19
50	1.12	18
47	1.11	17.3
45	1.11	16.6
40	1.09	14.8
35	1.07	13.1
30	1.06	12.5
25	1.05	12
20	1.04	11.4
17	1.03	11.1
15	1.02	10.7
10	1.01	9.6
5	0.94	8.6
0	0.88	7.5
-5	0.81	6.5
-10	0.75	5.4
-15	0.68	4.4
-20	0.62	3.3

**XP13-018-230-08 - CBX40UHV-024**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	560	19.2	1.27	0.77	0.91	1	18.1	1.45	0.79	0.94	1	16.9	1.67	0.81	0.98	1	15.7	1.91	0.84	1	1
	620	19.7	1.27	0.79	0.95	1	18.5	1.46	0.81	0.98	1	17.3	1.67	0.84	1	1	16.2	1.91	0.88	1	1
	690	20.2	1.27	0.82	0.99	1	19	1.46	0.84	1	1	17.9	1.67	0.88	1	1	16.8	1.91	0.92	1	1
67°F	560	20.4	1.27	0.6	0.74	0.88	19.3	1.46	0.61	0.76	0.9	18	1.67	0.62	0.78	0.94	16.7	1.9	0.64	0.82	0.98
	620	21	1.27	0.61	0.76	0.91	19.7	1.45	0.63	0.79	0.94	18.4	1.67	0.64	0.81	0.98	17	1.92	0.66	0.85	1
	690	21.4	1.27	0.63	0.8	0.95	20.2	1.45	0.65	0.82	0.98	18.8	1.67	0.66	0.85	1	17.4	1.91	0.69	0.89	1
71°F	560	21.6	1.27	0.45	0.58	0.71	20.4	1.45	0.45	0.59	0.73	19.2	1.66	0.46	0.61	0.76	17.8	1.9	0.47	0.63	0.79
	620	22.2	1.27	0.45	0.6	0.74	21	1.45	0.46	0.61	0.76	19.6	1.67	0.47	0.63	0.79	18.1	1.91	0.48	0.65	0.82
	690	22.6	1.27	0.46	0.62	0.77	21.4	1.46	0.47	0.63	0.79	20	1.67	0.48	0.65	0.82	18.5	1.91	0.49	0.68	0.86

**XP13-018-230-08 - CBX40UHV-024**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
560	21	1.17	16.5	1.12	11.8	1.07	8.4	0.97	4.1	0.71
620	21.3	1.14	16.8	1.09	12.1	1.03	8.7	0.93	4.4	0.68
690	21.5	1.11	17	1.06	12.3	1	8.9	0.9	4.6	0.65

**XP13-018-230-08 - CBX40UHV-024**

**HEATING PERFORMANCE at 620 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	1.14	21.3
60	1.13	20.2
55	1.11	19.2
50	1.1	18.1
47	1.09	17.5
45	1.09	16.8
40	1.07	15
35	1.06	13.2
30	1.04	12.6
25	1.03	12.1
20	1.02	11.5
17	1.02	11.2
15	1.01	10.8
10	1	9.7
5	0.93	8.7
0	0.87	7.6
-5	0.81	6.5
-10	0.74	5.5
-15	0.68	4.4
-20	0.61	3.4

**XP13-018-230-08 - CH33-25A-2F**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	525	18.6	1.1	0.74	0.87	1	17.7	1.26	0.76	0.9	1	16.7	1.44	0.78	0.93	1	15.6	1.64	0.8	0.96	1
	600	19.2	1.11	0.77	0.91	1	18.2	1.26	0.78	0.94	1	17.2	1.44	0.8	0.97	1	16	1.64	0.83	1	1
	675	19.6	1.11	0.79	0.94	1	18.6	1.26	0.8	0.97	1	17.5	1.44	0.83	1	1	16.5	1.64	0.86	1	1
67°F	525	19.6	1.11	0.59	0.71	0.84	18.6	1.26	0.6	0.73	0.86	17.6	1.44	0.61	0.75	0.89	16.5	1.64	0.63	0.78	0.92
	600	20.2	1.11	0.6	0.74	0.88	19.2	1.27	0.61	0.76	0.9	18.1	1.45	0.63	0.78	0.93	16.9	1.64	0.64	0.81	0.97
	675	20.6	1.11	0.62	0.76	0.91	19.6	1.27	0.63	0.78	0.94	18.5	1.45	0.64	0.8	0.97	17.3	1.65	0.65	0.84	1
71°F	525	20.4	1.11	0.45	0.58	0.69	19.4	1.27	0.46	0.58	0.71	18.4	1.45	0.45	0.59	0.73	17.2	1.65	0.46	0.61	0.75
	600	20.8	1.11	0.46	0.59	0.72	19.9	1.27	0.47	0.59	0.74	18.8	1.45	0.46	0.61	0.76	17.7	1.65	0.48	0.63	0.78
	675	21	1.11	0.47	0.6	0.74	20.2	1.27	0.48	0.61	0.76	19.1	1.45	0.48	0.63	0.78	18	1.65	0.49	0.65	0.81

**XP13-018-230-08 - CH33-25A-2F**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
525	20.9	1.25	16.5	1.18	11.9	1.12	8.5	1.01	4.2	0.75
600	21.2	1.2	16.8	1.14	12.2	1.08	8.8	0.97	4.5	0.7
675	21.5	1.16	17.1	1.1	12.5	1.04	9.1	0.93	4.8	0.66

**XP13-018-230-08 - CH33-25A-2F**

**HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.2	21.2
60	1.18	20.1
55	1.17	19.1
50	1.15	18.1
47	1.14	17.5
45	1.14	16.8
40	1.12	15
35	1.1	13.2
30	1.09	12.7
25	1.08	12.2
20	1.06	11.7
17	1.05	11.3
15	1.05	10.9
10	1.03	9.9
5	0.97	8.8
0	0.9	7.7
-5	0.83	6.7
-10	0.77	5.6
-15	0.7	4.5
-20	0.63	3.4



**XP13-018-230-08 - CH33-36A-2F**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	525	18.6	1.1	0.75	0.88	1	17.7	1.26	0.77	0.9	1	16.7	1.44	0.79	0.93	1	15.6	1.64	0.81	0.97	1
	600	19.2	1.1	0.77	0.91	1	18.2	1.26	0.79	0.94	1	17.1	1.44	0.81	0.97	1	16	1.64	0.84	1	1
	675	19.6	1.11	0.8	0.95	1	18.6	1.26	0.81	0.98	1	17.5	1.44	0.84	1	1	16.5	1.64	0.88	1	1
67°F	525	19.5	1.11	0.6	0.72	0.84	18.6	1.26	0.6	0.74	0.87	17.6	1.44	0.62	0.76	0.89	16.5	1.64	0.64	0.78	0.93
	600	20.2	1.11	0.61	0.75	0.88	19.2	1.27	0.63	0.77	0.9	18.1	1.45	0.64	0.79	0.93	16.9	1.64	0.66	0.81	0.97
	675	20.6	1.11	0.63	0.77	0.91	19.5	1.27	0.64	0.79	0.94	18.4	1.45	0.65	0.81	0.97	17.3	1.65	0.67	0.85	1
71°F	525	20.4	1.11	0.47	0.59	0.7	19.4	1.27	0.47	0.59	0.71	18.4	1.45	0.47	0.6	0.73	17.3	1.65	0.48	0.62	0.76
	600	20.8	1.11	0.48	0.6	0.72	19.9	1.27	0.48	0.61	0.74	18.9	1.45	0.49	0.63	0.76	17.7	1.65	0.49	0.64	0.79
	675	21.2	1.11	0.49	0.61	0.75	20.2	1.27	0.49	0.62	0.77	19.2	1.45	0.5	0.64	0.79	18	1.65	0.5	0.66	0.82

**XP13-018-230-08 - CH33-36A-2F**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
525	20.7	1.29	16.3	1.22	11.7	1.15	8.4	1.03	4.1	0.76
600	21	1.24	16.6	1.17	12.1	1.1	8.7	0.99	4.4	0.71
675	21.3	1.2	16.9	1.13	12.4	1.06	9	0.95	4.7	0.68

**XP13-018-230-08 - CH33-36A-2F  
HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.24	21
60	1.22	20
55	1.21	19
50	1.19	18
47	1.18	17.4
45	1.17	16.6
40	1.15	14.9
35	1.13	13.1
30	1.12	12.6
25	1.1	12.1
20	1.09	11.6
17	1.08	11.2
15	1.07	10.8
10	1.05	9.8
5	0.99	8.7
0	0.92	7.7
-5	0.85	6.6
-10	0.78	5.5
-15	0.71	4.4
-20	0.65	3.4

**XP13-018-230-08 - CR33-30/36A/B/C-F**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	525	18.7	1.1	0.77	0.91	1	17.7	1.25	0.79	0.94	1	16.6	1.43	0.81	0.97	1	15.4	1.63	0.84	1	1
	600	19.3	1.1	0.8	0.95	1	18.3	1.26	0.82	0.98	1	17.2	1.43	0.85	1	1	16.1	1.63	0.89	1	1
	675	19.8	1.1	0.83	0.99	1	18.8	1.26	0.86	1	1	17.8	1.44	0.89	1	1	16.6	1.63	0.93	1	1
67°F	525	19.8	1.1	0.61	0.74	0.87	18.8	1.26	0.62	0.76	0.9	17.6	1.43	0.64	0.79	0.93	16.4	1.63	0.65	0.82	0.97
	600	20.4	1.1	0.63	0.78	0.92	19.3	1.26	0.64	0.8	0.95	18.1	1.44	0.66	0.83	0.98	16.7	1.63	0.68	0.86	1
	675	20.8	1.11	0.65	0.81	0.96	19.7	1.27	0.67	0.83	0.99	18.4	1.44	0.68	0.86	1	17.1	1.64	0.71	0.91	1
71°F	525	21	1.11	0.47	0.59	0.72	19.8	1.27	0.47	0.61	0.74	18.6	1.44	0.48	0.62	0.76	17.3	1.64	0.49	0.64	0.79
	600	21.6	1.11	0.48	0.62	0.75	20.4	1.27	0.48	0.63	0.78	19.2	1.45	0.49	0.65	0.8	17.7	1.64	0.5	0.67	0.84
	675	22	1.11	0.49	0.64	0.78	20.8	1.27	0.49	0.65	0.81	19.5	1.45	0.5	0.67	0.84	18.1	1.65	0.51	0.7	0.88

**XP13-018-230-08 - CR33-30/36A/B/C-F**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
525	21.6	1.25	16.8	1.18	11.9	1.11	8.3	1	4.1	0.74
600	21.9	1.2	17.2	1.14	12.3	1.07	8.7	0.95	4.4	0.69
675	22.2	1.17	17.4	1.1	12.5	1.03	8.9	0.92	4.7	0.66

**XP13-018-230-08 - CR33-30/36A/B/C-F  
HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.2	21.9
60	1.19	20.8
55	1.17	19.7
50	1.15	18.6
47	1.14	17.9
45	1.14	17.2
40	1.12	15.4
35	1.1	13.5
30	1.08	12.9
25	1.07	12.3
20	1.05	11.6
17	1.04	11.3
15	1.04	10.8
10	1.02	9.7
5	0.95	8.7
0	0.89	7.6
-5	0.82	6.5
-10	0.76	5.5
-15	0.69	4.4
-20	0.63	3.4

**XP13-018-230-08 - CX34-25A-6F**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	525	19	1.14	0.76	0.88	1	18.1	1.31	0.77	0.91	1	17.1	1.49	0.79	0.94	1	15.9	1.7	0.82	0.97	1
	600	19.6	1.14	0.78	0.92	1	18.6	1.31	0.8	0.95	1	17.5	1.49	0.82	0.98	1	16.4	1.71	0.85	1	1
	675	20	1.14	0.81	0.96	1	19	1.31	0.83	0.98	1	18	1.5	0.85	1	1	17	1.71	0.89	1	1
67°F	525	20	1.14	0.6	0.73	0.85	19	1.31	0.61	0.75	0.87	18	1.49	0.63	0.77	0.9	16.9	1.71	0.65	0.79	0.94
	600	20.6	1.15	0.62	0.76	0.89	19.6	1.31	0.63	0.77	0.91	18.5	1.5	0.65	0.8	0.95	17.3	1.71	0.66	0.82	0.98
	675	21.2	1.15	0.63	0.78	0.93	20	1.31	0.65	0.8	0.95	18.9	1.5	0.66	0.83	0.98	17.7	1.71	0.68	0.86	1
71°F	525	20.8	1.14	0.47	0.59	0.7	19.9	1.31	0.47	0.6	0.72	18.8	1.5	0.47	0.61	0.74	17.7	1.72	0.48	0.63	0.77
	600	21.4	1.15	0.48	0.6	0.73	20.4	1.32	0.48	0.62	0.75	19.4	1.5	0.49	0.63	0.77	18.1	1.71	0.5	0.65	0.8
	675	22	1.15	0.49	0.62	0.76	21	1.32	0.49	0.64	0.78	19.8	1.5	0.5	0.65	0.8	18.5	1.72	0.5	0.67	0.84

**XP13-018-230-08 - CX34-25A-6F**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
525	20.7	1.28	16.4	1.22	11.9	1.15	8.6	1.04	4.2	0.77
600	21	1.24	16.7	1.17	12.2	1.11	8.9	0.99	4.5	0.72
675	21.3	1.2	17	1.13	12.5	1.07	9.2	0.95	4.8	0.68

**XP13-018-230-08 - CX34-25A-6F**

**HEATING PERFORMANCE at 600 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.24	21
60	1.22	20
55	1.2	19
50	1.19	18
47	1.18	17.4
45	1.17	16.7
40	1.15	14.9
35	1.13	13.2
30	1.12	12.7
25	1.11	12.2
20	1.09	11.7
17	1.08	11.4
15	1.08	11
10	1.06	10
5	0.99	8.9
0	0.92	7.8
-5	0.86	6.7
-10	0.79	5.6
-15	0.72	4.5
-20	0.65	3.4

**XP13-024-230-08 - CH33-25B-2F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	720	24.4	1.51	0.79	0.94	1	23	1.73	0.81	0.97	1	21.6	1.97	0.83	1	1	20.2	2.23	0.87	1	1
	815	25	1.5	0.82	0.98	1	23.8	1.72	0.84	1	1	22.4	1.97	0.87	1	1	21	2.22	0.91	1	1
	905	25.6	1.5	0.85	1	1	24.4	1.72	0.88	1	1	23.2	1.96	0.91	1	1	21.6	2.22	0.95	1	1
67°F	720	25.6	1.5	0.62	0.76	0.9	24.4	1.72	0.63	0.78	0.93	22.8	1.96	0.65	0.81	0.97	21.2	2.22	0.67	0.84	1
	815	26.4	1.49	0.64	0.8	0.95	25	1.71	0.65	0.82	0.98	23.4	1.96	0.67	0.85	1	21.6	2.21	0.69	0.89	1
	905	27	1.49	0.66	0.83	0.99	25.4	1.71	0.67	0.85	1	23.8	1.96	0.69	0.88	1	22	2.21	0.72	0.93	1
71°F	720	26.8	1.49	0.46	0.6	0.74	25.4	1.71	0.47	0.62	0.76	24	1.96	0.48	0.63	0.78	22.2	2.21	0.48	0.65	0.82
	815	27.6	1.48	0.47	0.63	0.77	26.2	1.7	0.48	0.64	0.8	24.6	1.95	0.49	0.66	0.82	22.8	2.2	0.5	0.68	0.86
	905	28.2	1.47	0.48	0.65	0.8	26.8	1.7	0.49	0.66	0.83	25.2	1.94	0.5	0.68	0.86	23.2	2.19	0.51	0.71	0.9

**XP13-024-230-08 - CH33-25B-2F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
720	24.5	1.49	19.5	1.42	14.2	1.35	10.3	1.23	5.1	0.9
815	24.7	1.44	19.7	1.38	14.4	1.31	10.6	1.19	5.4	0.86
905	25	1.41	19.9	1.34	14.7	1.28	10.8	1.16	5.6	0.83

**XP13-024-230-08 - CH33-25B-2F + EL296UH045V36B  
HEATING PERFORMANCE at 815 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.44	24.7
60	1.43	23.6
55	1.41	22.4
50	1.4	21.2
47	1.39	20.5
45	1.38	19.7
40	1.35	17.6
35	1.32	15.6
30	1.32	15
25	1.31	14.4
20	1.3	13.9
17	1.29	13.5
15	1.29	13
10	1.27	11.9
5	1.19	10.6
0	1.11	9.3
-5	1.02	8
-10	0.94	6.7
-15	0.86	5.4
-20	0.78	4.1

**XP13-024-230-08 - CR33-30/36B-F + EL296DF045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	740	24	1.45	0.8	0.96	1	22.6	1.66	0.82	0.98	1	21.2	1.89	0.85	1	1	19.9	2.13	0.89	1	1
	855	24.6	1.44	0.84	1	1	23.4	1.65	0.87	1	1	22.2	1.88	0.9	1	1	20.6	2.12	0.94	1	1
	965	25.6	1.44	0.88	1	1	24.2	1.64	0.91	1	1	22.8	1.87	0.95	1	1	21.2	2.11	0.98	1	1
67°F	740	25.4	1.44	0.62	0.78	0.93	24	1.65	0.64	0.8	0.95	22.4	1.88	0.66	0.83	0.99	20.6	2.12	0.68	0.87	1
	855	26	1.43	0.65	0.82	0.98	24.6	1.64	0.67	0.85	1	23	1.88	0.69	0.88	1	21.2	2.12	0.71	0.92	1
	965	26.6	1.43	0.68	0.86	1	25	1.64	0.69	0.89	1	23.4	1.87	0.72	0.92	1	21.4	2.11	0.75	0.97	1
71°F	740	26.8	1.43	0.47	0.61	0.75	25.4	1.63	0.47	0.63	0.77	23.8	1.87	0.48	0.64	0.8	22	2.11	0.49	0.67	0.84
	855	27.6	1.42	0.48	0.64	0.8	26	1.63	0.49	0.66	0.82	24.4	1.86	0.49	0.68	0.86	22.4	2.1	0.51	0.7	0.9
	965	28.2	1.41	0.49	0.67	0.84	26.6	1.62	0.5	0.68	0.87	24.8	1.85	0.51	0.71	0.9	22.8	2.09	0.52	0.74	0.95

**XP13-024-230-08 - CR33-30/36B-F + EL296DF045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
740	24.7	1.43	19.6	1.38	14.4	1.32	10.5	1.21	5.1	0.89
855	25	1.38	20	1.33	14.7	1.27	10.8	1.17	5.5	0.84
965	25.3	1.35	20.2	1.3	14.9	1.24	11	1.13	5.7	0.81

**XP13-024-230-08 - CR33-30/36B-F + EL296DF045V36B  
HEATING PERFORMANCE at 855 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.38	25
60	1.37	23.8
55	1.36	22.7
50	1.35	21.5
47	1.34	20.8
45	1.33	20
40	1.31	17.9
35	1.28	15.8
30	1.28	15.3
25	1.27	14.7
20	1.27	14.1
17	1.26	13.8
15	1.26	13.3
10	1.25	12.1
5	1.17	10.8
0	1.08	9.4
-5	1	8.1
-10	0.92	6.8
-15	0.84	5.5
-20	0.76	4.1

**XP13-024-230-08 - CR33-30/36B-F + EL296DF070V48B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	880	24.8	1.44	0.85	1	1	23.6	1.65	0.88	1	1	22.4	1.88	0.91	1	1	20.8	2.12	0.95	1	1
	880	24.8	1.44	0.85	1	1	23.6	1.65	0.88	1	1	22.4	1.88	0.91	1	1	20.8	2.12	0.95	1	1
	980	25.6	1.44	0.89	1	1	24.4	1.64	0.92	1	1	23	1.87	0.95	1	1	21.4	2.11	0.99	1	1
67°F	880	26.2	1.43	0.66	0.83	0.99	24.8	1.64	0.67	0.86	1	23	1.87	0.7	0.89	1	21.4	2.12	0.72	0.93	1
	880	26.2	1.43	0.66	0.83	0.99	24.8	1.64	0.67	0.86	1	23	1.87	0.7	0.89	1	21.4	2.12	0.72	0.93	1
	980	26.6	1.43	0.68	0.87	1	25.2	1.64	0.7	0.9	1	23.4	1.87	0.72	0.93	1	21.6	2.11	0.75	0.97	1
71°F	880	27.6	1.41	0.48	0.65	0.81	26.2	1.62	0.49	0.66	0.84	24.4	1.86	0.5	0.69	0.87	22.4	2.1	0.51	0.72	0.91
	880	27.6	1.41	0.48	0.65	0.81	26.2	1.62	0.49	0.66	0.84	24.4	1.86	0.5	0.69	0.87	22.4	2.1	0.51	0.72	0.91
	980	28.2	1.41	0.49	0.67	0.84	26.6	1.62	0.5	0.69	0.88	24.8	1.85	0.51	0.71	0.91	22.8	2.09	0.53	0.75	0.95

**XP13-024-230-08 - CR33-30/36B-F + EL296DF070V48B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
880	25.2	1.38	20.1	1.32	14.8	1.27	10.9	1.16	5.5	0.84
880	25.2	1.38	20.1	1.32	14.8	1.27	10.9	1.16	5.5	0.84
980	25.4	1.35	20.3	1.3	15	1.24	11.1	1.14	5.7	0.81

**XP13-024-230-08 - CR33-30/36B-F + EL296DF070V48B  
HEATING PERFORMANCE at 880 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.38	25.2
60	1.36	24
55	1.35	22.8
50	1.34	21.6
47	1.33	20.9
45	1.32	20.1
40	1.3	18
35	1.28	15.9
30	1.27	15.4
25	1.27	14.8
20	1.26	14.2
17	1.26	13.9
15	1.26	13.4
10	1.25	12.2
5	1.16	10.9
0	1.08	9.5
-5	1	8.2
-10	0.92	6.9
-15	0.84	5.5
-20	0.76	4.2

**XP13-024-230-08 - CX34-25B-6F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	720	24.8	1.52	0.75	0.89	1	23.8	1.74	0.77	0.91	1	22.4	1.99	0.79	0.94	1	21	2.25	0.81	0.98	1
	815	25.4	1.52	0.77	0.93	1	24.4	1.74	0.79	0.95	1	23	1.99	0.81	0.98	1	21.6	2.25	0.84	1	1
	905	26	1.52	0.79	0.95	1	24.6	1.74	0.81	0.98	1	23.4	1.99	0.84	1	1	22	2.24	0.87	1	1
67°F	720	26	1.52	0.6	0.73	0.86	24.8	1.74	0.61	0.74	0.88	23.6	1.98	0.62	0.76	0.91	22.2	2.24	0.64	0.79	0.94
	815	26.4	1.51	0.62	0.75	0.89	25.2	1.73	0.62	0.76	0.92	24.2	1.98	0.64	0.79	0.94	22.6	2.24	0.65	0.81	0.98
	905	26.8	1.51	0.63	0.77	0.92	25.6	1.73	0.64	0.79	0.95	24.4	1.98	0.65	0.81	0.98	23	2.23	0.67	0.84	1
71°F	720	26.6	1.51	0.47	0.59	0.7	25.6	1.73	0.47	0.6	0.72	24.4	1.98	0.48	0.61	0.74	23	2.24	0.48	0.62	0.76
	815	27	1.51	0.48	0.6	0.73	26	1.73	0.48	0.61	0.74	24.8	1.98	0.49	0.62	0.76	23.2	2.23	0.49	0.64	0.8
	905	27.4	1.51	0.48	0.61	0.75	26.2	1.73	0.49	0.62	0.77	25	1.97	0.49	0.64	0.78	23.4	2.23	0.5	0.66	0.82

**XP13-024-230-08 - CX34-25B-6F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
720	24.9	1.53	19.6	1.45	14.1	1.37	10.2	1.25	5	0.92
815	25.2	1.48	19.9	1.4	14.4	1.32	10.5	1.2	5.3	0.87
905	25.4	1.45	20.2	1.37	14.6	1.29	10.7	1.16	5.6	0.83

**XP13-024-230-08 - CX34-25B-6F + EL296UH045V36B  
HEATING PERFORMANCE at 815 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.48	25.2
60	1.46	23.9
55	1.45	22.7
50	1.43	21.5
47	1.42	20.8
45	1.4	19.9
40	1.37	17.7
35	1.35	15.5
30	1.33	14.9
25	1.32	14.4
20	1.31	13.8
17	1.31	13.4
15	1.3	13
10	1.28	11.7
5	1.2	10.5
0	1.11	9.2
-5	1.03	7.9
-10	0.95	6.6
-15	0.87	5.3
-20	0.78	4

**XP13-030-230-08 - CH33-31B-2F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	885	29.4	1.82	0.79	0.94	1	27.8	2.06	0.81	0.96	1	26	2.32	0.84	1	1	24.4	2.63	0.87	1	1
	1020	30.4	1.83	0.82	0.98	1	28.6	2.06	0.85	1	1	27	2.33	0.88	1	1	25.4	2.65	0.92	1	1
	1120	30.8	1.83	0.85	1	1	29.4	2.06	0.88	1	1	27.6	2.34	0.91	1	1	26	2.66	0.95	1	1
67°F	885	31	1.83	0.62	0.76	0.9	29.4	2.07	0.63	0.78	0.93	27.4	2.33	0.65	0.81	0.97	25.4	2.65	0.67	0.84	1
	1020	31.8	1.83	0.64	0.8	0.95	30	2.07	0.66	0.82	0.98	28	2.34	0.68	0.86	1	26	2.66	0.7	0.89	1
	1120	32.2	1.84	0.66	0.83	0.99	30.6	2.07	0.68	0.85	1	28.4	2.34	0.7	0.89	1	26.4	2.66	0.72	0.93	1
71°F	885	32.2	1.83	0.47	0.61	0.74	30.6	2.07	0.47	0.62	0.76	28.6	2.35	0.48	0.64	0.79	26.8	2.67	0.49	0.66	0.82
	1020	33.2	1.84	0.47	0.63	0.78	31.4	2.08	0.48	0.65	0.8	29.4	2.35	0.5	0.67	0.83	27.4	2.67	0.5	0.69	0.87
	1120	33.6	1.84	0.49	0.65	0.81	31.8	2.08	0.5	0.67	0.83	29.8	2.36	0.5	0.69	0.86	27.6	2.68	0.51	0.71	0.91

**XP13-030-230-08 - CH33-31B-2F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
885	32	1.91	24.9	1.81	17.5	1.7	12.7	1.54	6.2	1.13
1020	32.5	1.85	25.5	1.74	18.1	1.63	13.2	1.47	6.7	1.07
1120	32.8	1.81	25.8	1.71	18.4	1.6	13.5	1.43	7	1.03

**XP13-030-230-08 - CH33-31B-2F + EL296UH045V36B  
HEATING PERFORMANCE at 1020 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.85	32.5
60	1.82	30.9
55	1.8	29.3
50	1.77	27.7
47	1.76	26.7
45	1.74	25.5
40	1.7	22.4
35	1.66	19.3
30	1.65	18.7
25	1.63	18.1
20	1.62	17.4
17	1.61	17.1
15	1.6	16.4
10	1.57	14.8
5	1.47	13.2
0	1.37	11.6
-5	1.27	10
-10	1.17	8.3
-15	1.07	6.7
-20	0.97	5.1



**XP13-030-230-08 - CH33-42B-2F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	885	29.2	1.82	0.78	0.92	1	27.6	2.06	0.8	0.95	1	25.8	2.32	0.83	0.99	1	24	2.63	0.86	1	1
	1020	30	1.83	0.81	0.97	1	28.4	2.06	0.83	1	1	26.6	2.33	0.87	1	1	25	2.64	0.9	1	1
	1120	30.4	1.83	0.84	1	1	28.8	2.06	0.86	1	1	27.2	2.33	0.9	1	1	25.6	2.65	0.94	1	1
67°F	885	30.6	1.83	0.61	0.75	0.89	29	2.07	0.62	0.77	0.92	27.2	2.33	0.64	0.8	0.95	25.4	2.65	0.66	0.83	0.99
	1020	31.6	1.83	0.64	0.79	0.94	29.8	2.07	0.65	0.81	0.97	27.8	2.34	0.67	0.84	1	25.8	2.65	0.69	0.88	1
	1120	32	1.83	0.65	0.81	0.97	30.2	2.07	0.67	0.84	1	28.2	2.34	0.69	0.87	1	26.2	2.66	0.71	0.91	1
71°F	885	32	1.83	0.47	0.6	0.73	30.4	2.07	0.47	0.61	0.75	28.4	2.34	0.48	0.63	0.78	26.6	2.67	0.49	0.65	0.81
	1020	32.8	1.84	0.48	0.62	0.76	31	2.08	0.48	0.64	0.79	29.2	2.35	0.49	0.66	0.82	27	2.67	0.5	0.68	0.85
	1120	33.2	1.84	0.48	0.64	0.79	31.6	2.08	0.49	0.66	0.82	29.6	2.35	0.5	0.68	0.85	27.4	2.68	0.51	0.7	0.89

**XP13-030-230-08 - CH33-42B-2F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
885	31.8	1.94	24.8	1.83	17.5	1.71	12.6	1.54	6.2	1.14
1020	32.3	1.88	25.4	1.77	18	1.65	13.2	1.48	6.7	1.08
1120	32.7	1.84	25.7	1.73	18.4	1.61	13.5	1.45	7.1	1.04

**XP13-030-230-08 - CH33-42B-2F + EL296UH045V36B  
HEATING PERFORMANCE at 1020 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.88	32.3
60	1.85	30.7
55	1.83	29.1
50	1.8	27.5
47	1.78	26.6
45	1.77	25.4
40	1.72	22.3
35	1.68	19.2
30	1.67	18.6
25	1.65	18
20	1.63	17.4
17	1.62	17
15	1.61	16.4
10	1.58	14.8
5	1.48	13.2
0	1.38	11.6
-5	1.28	10
-10	1.18	8.3
-15	1.08	6.7
-20	0.97	5.1

**XP13-030-230-08 - CR33-30/36B-F + EL296DF045V36B**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	855	29.4	1.82	0.77	0.92	1	27.8	2.06	0.8	0.94	1	26	2.32	0.82	0.98	1	24.4	2.64	0.85	1	1
	965	30.2	1.83	0.8	0.95	1	28.6	2.06	0.82	0.98	1	26.6	2.33	0.86	1	1	25	2.64	0.89	1	1
	1130	31	1.83	0.84	1	1	29.4	2.07	0.87	1	1	27.8	2.34	0.91	1	1	26	2.66	0.94	1	1
67°F	855	30.8	1.83	0.62	0.75	0.89	29.2	2.07	0.63	0.77	0.91	27.4	2.33	0.64	0.8	0.95	25.4	2.65	0.66	0.83	0.98
	965	31.2	1.83	0.63	0.78	0.92	29.8	2.07	0.64	0.8	0.95	27.8	2.34	0.66	0.83	0.98	26	2.65	0.68	0.87	1
	1130	32	1.83	0.66	0.82	0.97	30.4	2.07	0.68	0.85	1	28.4	2.34	0.7	0.89	1	26.6	2.66	0.72	0.92	1
71°F	855	32	1.83	0.47	0.6	0.73	30.6	2.07	0.47	0.61	0.75	28.6	2.35	0.47	0.63	0.77	26.8	2.67	0.49	0.65	0.81
	965	32.6	1.84	0.48	0.62	0.76	31	2.08	0.48	0.63	0.78	29.2	2.35	0.49	0.65	0.81	27.2	2.67	0.5	0.67	0.85
	1130	33.4	1.84	0.5	0.65	0.8	31.8	2.09	0.5	0.67	0.83	29.6	2.36	0.51	0.69	0.87	27.6	2.68	0.52	0.72	0.9

**XP13-030-230-08 - CR33-30/36B-F + EL296DF045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
855	32.1	1.9	25	1.79	17.6	1.67	12.7	1.51	6.4	1.11
965	32.4	1.85	25.3	1.73	17.9	1.62	13	1.46	6.7	1.06
1130	32.9	1.79	25.9	1.67	18.5	1.56	13.6	1.4	7.2	1

**XP13-030-230-08 - CR33-30/36B-F + EL296DF045V36B  
HEATING PERFORMANCE at 965 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.85	32.4
60	1.82	30.7
55	1.79	29.1
50	1.77	27.5
47	1.75	26.5
45	1.73	25.3
40	1.69	22.3
35	1.65	19.2
30	1.63	18.6
25	1.62	17.9
20	1.6	17.3
17	1.59	16.9
15	1.58	16.2
10	1.56	14.6
5	1.46	13
0	1.36	11.4
-5	1.26	9.8
-10	1.16	8.2
-15	1.06	6.7
-20	0.96	5.1

**XP13-030-230-08 - CR33-30/36B-F + EL296DF070V48B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	880	29.6	1.83	0.78	0.93	1	28	2.06	0.8	0.95	1	26.2	2.32	0.83	0.99	1	24.4	2.64	0.86	1	1
	980	30.2	1.83	0.81	0.96	1	28.6	2.06	0.83	0.98	1	26.8	2.33	0.86	1	1	25.2	2.65	0.9	1	1
	1095	30.8	1.83	0.84	0.99	1	29.2	2.06	0.86	1	1	27.6	2.34	0.9	1	1	25.8	2.65	0.94	1	1
67°F	880	30.8	1.83	0.62	0.76	0.9	29.4	2.07	0.63	0.78	0.92	27.4	2.34	0.65	0.81	0.96	25.6	2.65	0.67	0.84	0.99
	980	31.4	1.83	0.64	0.78	0.93	29.8	2.07	0.65	0.81	0.96	27.8	2.34	0.67	0.84	0.99	26	2.66	0.69	0.87	1
	1095	32	1.83	0.65	0.81	0.97	30.4	2.07	0.67	0.84	0.99	28.4	2.34	0.69	0.88	1	26.4	2.66	0.72	0.91	1
71°F	880	32.2	1.84	0.47	0.61	0.74	30.6	2.07	0.47	0.62	0.76	28.8	2.35	0.48	0.64	0.79	26.8	2.67	0.49	0.65	0.82
	980	32.8	1.84	0.48	0.62	0.76	31.2	2.08	0.48	0.64	0.79	29.2	2.35	0.49	0.66	0.81	27.2	2.67	0.5	0.68	0.85
	1095	33.2	1.84	0.5	0.64	0.8	31.6	2.08	0.5	0.66	0.82	29.6	2.36	0.51	0.68	0.85	27.6	2.68	0.52	0.71	0.89

**XP13-030-230-08 - CR33-30/36B-F + EL296DF070V48B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
880	32.2	1.89	25.2	1.78	17.7	1.66	12.9	1.5	6.4	1.1
980	32.5	1.84	25.4	1.73	18	1.61	13.1	1.45	6.7	1.05
1095	32.9	1.8	25.9	1.69	18.4	1.57	13.6	1.41	7.1	1.01

**XP13-030-230-08 - CR33-30/36B-F + EL296DF070V48B  
HEATING PERFORMANCE at 980 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.84	32.5
60	1.81	30.8
55	1.79	29.2
50	1.76	27.6
47	1.75	26.7
45	1.73	25.4
40	1.69	22.3
35	1.65	19.3
30	1.63	18.6
25	1.61	18
20	1.6	17.4
17	1.59	17
15	1.58	16.3
10	1.55	14.7
5	1.45	13.1
0	1.35	11.5
-5	1.25	9.9
-10	1.15	8.3
-15	1.05	6.7
-20	0.95	5.1

**XP13-030-230-08 - CX34-31B-6F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	885	30.6	1.94	0.77	0.91	1	28.8	2.2	0.79	0.94	1	27.2	2.5	0.81	0.97	1	26	2.88	0.83	0.99	1
	1020	31.4	1.94	0.8	0.95	1	29.8	2.2	0.82	0.98	1	28	2.51	0.85	1	1	26.8	2.88	0.87	1	1
	1120	32	1.95	0.82	0.98	1	30.2	2.21	0.85	1	1	28.6	2.51	0.88	1	1	27.6	2.89	0.91	1	1
67°F	885	32.2	1.95	0.61	0.74	0.87	30.4	2.21	0.61	0.76	0.9	28.6	2.51	0.63	0.79	0.93	27.4	2.9	0.65	0.81	0.96
	1020	33	1.95	0.63	0.78	0.92	31.4	2.21	0.64	0.8	0.95	29.4	2.52	0.66	0.83	0.98	28	2.91	0.67	0.85	1
	1120	33.6	1.96	0.64	0.8	0.95	31.8	2.21	0.66	0.83	0.98	30	2.53	0.68	0.85	1	28.4	2.9	0.69	0.88	1
71°F	885	33.6	1.95	0.46	0.59	0.72	32	2.22	0.47	0.6	0.74	30.2	2.53	0.47	0.62	0.76	28.8	2.92	0.48	0.63	0.78
	1020	34.4	1.96	0.48	0.61	0.75	32.6	2.23	0.48	0.63	0.78	30.8	2.53	0.49	0.64	0.8	29.4	2.92	0.5	0.66	0.83
	1120	35	1.96	0.48	0.63	0.78	33.2	2.22	0.48	0.65	0.8	31.2	2.54	0.5	0.67	0.83	29.8	2.92	0.51	0.68	0.86

**XP13-030-230-08 - CX34-31B-6F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
885	32.2	1.98	25.1	1.86	17.6	1.74	12.7	1.57	6.2	1.16
1020	32.7	1.92	25.7	1.8	18.2	1.68	13.3	1.51	6.8	1.1
1120	33.1	1.88	26	1.76	18.5	1.64	13.6	1.47	7.1	1.06

**XP13-030-230-08 - CX34-31B-6F + EL296UH045V36B  
HEATING PERFORMANCE at 1020 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	1.92	32.7
60	1.89	31.1
55	1.86	29.5
50	1.83	27.9
47	1.82	26.9
45	1.8	25.7
40	1.76	22.6
35	1.72	19.5
30	1.7	18.8
25	1.68	18.2
20	1.66	17.6
17	1.65	17.2
15	1.64	16.5
10	1.61	14.9
5	1.51	13.3
0	1.41	11.7
-5	1.3	10
-10	1.2	8.4
-15	1.1	6.8
-20	0.99	5.2

**XP13-036-230-08 - CBX26UH-037**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1200	35.8	2.24	0.79	0.95	1	34.4	2.55	0.81	0.97	1	32.4	2.88	0.84	1	1	30.2	3.24	0.87	1	1
	1200	35.8	2.24	0.79	0.95	1	34.4	2.55	0.81	0.97	1	32.4	2.88	0.84	1	1	30.2	3.24	0.87	1	1
	1440	37.2	2.24	0.84	1	1	35.8	2.55	0.86	1	1	34	2.88	0.89	1	1	31.8	3.23	0.94	1	1
67°F	1200	38	2.24	0.62	0.77	0.91	36.2	2.55	0.63	0.79	0.94	34.2	2.88	0.65	0.81	0.97	31.8	3.24	0.67	0.85	1
	1200	38	2.24	0.62	0.77	0.91	36.2	2.55	0.63	0.79	0.94	34.2	2.88	0.65	0.81	0.97	31.8	3.24	0.67	0.85	1
	1440	39	2.25	0.65	0.81	0.97	37.2	2.55	0.66	0.84	1	35.2	2.88	0.68	0.87	1	32.6	3.23	0.71	0.91	1
71°F	1200	40	2.25	0.46	0.61	0.75	38.5	2.55	0.47	0.62	0.76	36.2	2.88	0.48	0.64	0.79	33.8	3.23	0.48	0.66	0.82
	1200	40	2.25	0.46	0.61	0.75	38.5	2.55	0.47	0.62	0.76	36.2	2.88	0.48	0.64	0.79	33.8	3.23	0.48	0.66	0.82
	1440	41.5	2.25	0.48	0.64	0.79	39.5	2.55	0.49	0.65	0.81	37.4	2.88	0.49	0.67	0.84	34.6	3.22	0.5	0.7	0.89

**XP13-036-230-08 - CBX26UH-037**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1200	40.4	2.26	31.7	2.12	22.4	1.96	16.6	1.8	8.5	1.3
1200	40.4	2.26	31.7	2.12	22.4	1.96	16.6	1.8	8.5	1.3
1440	41	2.16	32.3	2.02	23	1.86	17.1	1.7	9	1.2

**XP13-036-230-08 - CBX26UH-037**

**HEATING PERFORMANCE at 1200 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.26	40.4
60	2.23	38.5
55	2.2	36.5
50	2.17	34.5
47	2.15	33.3
45	2.12	31.7
40	2.04	27.7
35	1.96	23.7
30	1.96	23.1
25	1.96	22.4
20	1.96	21.8
17	1.96	21.4
15	1.95	20.6
10	1.92	18.6
5	1.8	16.6
0	1.67	14.5
-5	1.55	12.5
-10	1.43	10.5
-15	1.3	8.5
-20	1.18	6.4

**XP13-036-230-08 - CH33-31B-2F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1020	34.6	2.21	0.78	0.93	1	32.8	2.51	0.8	0.95	1	30.8	2.83	0.82	0.98	1	28.6	3.19	0.85	1	1
	1210	35.8	2.21	0.82	0.98	1	34	2.51	0.85	1	1	32.2	2.84	0.88	1	1	30	3.18	0.92	1	1
	1370	36.8	2.22	0.86	1	1	35.2	2.51	0.89	1	1	33.4	2.84	0.92	1	1	31.2	3.18	0.96	1	1
67°F	1020	36.8	2.22	0.61	0.75	0.89	35	2.51	0.62	0.77	0.92	32.8	2.84	0.64	0.8	0.95	30.2	3.18	0.66	0.83	0.99
	1210	38	2.21	0.64	0.8	0.95	36.2	2.51	0.66	0.82	0.98	33.8	2.83	0.67	0.85	1	31.2	3.18	0.7	0.89	1
	1370	39	2.22	0.67	0.84	1	36.8	2.51	0.68	0.87	1	34.4	2.84	0.7	0.9	1	31.6	3.18	0.73	0.94	1
71°F	1020	39	2.22	0.46	0.6	0.73	37	2.51	0.47	0.61	0.75	34.8	2.83	0.47	0.63	0.77	32.2	3.18	0.48	0.65	0.81
	1210	40	2.22	0.48	0.63	0.78	38	2.51	0.49	0.64	0.8	35.8	2.83	0.49	0.66	0.83	33	3.18	0.5	0.69	0.87
	1370	41	2.22	0.49	0.66	0.82	39	2.51	0.5	0.67	0.84	36.6	2.83	0.51	0.69	0.87	33.6	3.17	0.52	0.72	0.92

**XP13-036-230-08 - CH33-31B-2F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1020	39.4	2.49	30.7	2.34	21.6	2.17	15.7	1.99	7.7	1.48
1210	40	2.37	31.4	2.22	22.2	2.05	16.4	1.87	8.4	1.36
1370	40.6	2.3	31.9	2.15	22.8	1.98	16.9	1.8	8.9	1.29

**XP13-036-230-08 - CH33-31B-2F + EL296UH045V36B  
HEATING PERFORMANCE at 1210 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.37	40
60	2.34	38.1
55	2.3	36.1
50	2.27	34.1
47	2.25	32.9
45	2.22	31.4
40	2.13	27.5
35	2.05	23.5
30	2.05	22.9
25	2.05	22.2
20	2.05	21.5
17	2.05	21.1
15	2.04	20.4
10	2	18.4
5	1.87	16.4
0	1.75	14.4
-5	1.62	12.4
-10	1.49	10.4
-15	1.36	8.4
-20	1.23	6.3

**XP13-036-230-08 - CH33-36C-2F + EL296UH110V48C**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1025	34.8	2.27	0.78	0.92	1	33.2	2.58	0.79	0.94	1	31.2	2.93	0.82	0.98	1	29	3.3	0.85	1	1
	1205	36	2.28	0.82	0.97	1	34.4	2.59	0.84	1	1	32.4	2.93	0.86	1	1	30.4	3.3	0.9	1	1
	1405	37.2	2.28	0.86	1	1	35.8	2.59	0.88	1	1	33.8	2.93	0.92	1	1	31.6	3.3	0.96	1	1
67°F	1025	36.6	2.28	0.61	0.75	0.89	35	2.59	0.62	0.77	0.91	33	2.93	0.64	0.79	0.94	30.6	3.3	0.66	0.82	0.98
	1205	38	2.28	0.64	0.79	0.94	36.2	2.59	0.65	0.81	0.97	34	2.93	0.67	0.84	1	31.4	3.29	0.69	0.88	1
	1405	39	2.28	0.67	0.84	0.99	37.2	2.59	0.68	0.86	1	35	2.93	0.7	0.89	1	32.2	3.29	0.73	0.94	1
71°F	1025	38.5	2.28	0.46	0.6	0.73	36.6	2.59	0.47	0.61	0.75	34.6	2.93	0.47	0.62	0.77	32	3.3	0.48	0.64	0.8
	1205	40	2.28	0.48	0.63	0.77	38	2.59	0.48	0.64	0.79	35.8	2.93	0.49	0.66	0.82	33	3.29	0.5	0.68	0.85
	1405	41	2.28	0.49	0.66	0.81	39	2.59	0.5	0.67	0.84	36.8	2.93	0.51	0.69	0.87	34	3.29	0.52	0.72	0.91

**XP13-036-230-08 - CH33-36C-2F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1025	39.1	2.46	30.5	2.3	21.3	2.12	15.5	1.94	7.6	1.44
1205	39.7	2.35	31.1	2.19	21.9	2.02	16.1	1.84	8.2	1.34
1405	40.2	2.27	31.6	2.11	22.4	1.94	16.6	1.76	8.7	1.25

**XP13-036-230-08 - CH33-36C-2F + EL296UH110V48C  
HEATING PERFORMANCE at 1205 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	2.35	39.7
60	2.32	37.7
55	2.28	35.8
50	2.25	33.8
47	2.23	32.6
45	2.19	31.1
40	2.11	27.2
35	2.03	23.2
30	2.03	22.6
25	2.02	21.9
20	2.02	21.2
17	2.02	20.8
15	2	20
10	1.97	18.1
5	1.84	16.1
0	1.72	14.1
-5	1.59	12.2
-10	1.46	10.2
-15	1.34	8.2
-20	1.21	6.2

**XP13-036-230-08 - CH33-42B-2F + EL296UH045V36B**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1020	34.2	2.21	0.77	0.91	1	32.6	2.51	0.79	0.94	1	30.6	2.84	0.81	0.97	1	28.2	3.19	0.84	1	1
	1210	35.4	2.21	0.81	0.97	1	33.6	2.51	0.83	0.99	1	31.8	2.84	0.86	1	1	29.6	3.19	0.9	1	1
	1370	36.4	2.22	0.85	1	1	34.8	2.51	0.87	1	1	32.8	2.83	0.9	1	1	30.6	3.18	0.95	1	1
67°F	1020	36.4	2.21	0.61	0.75	0.88	34.6	2.51	0.62	0.76	0.9	32.6	2.84	0.63	0.79	0.94	30	3.18	0.65	0.82	0.98
	1210	37.6	2.21	0.64	0.79	0.94	35.8	2.51	0.65	0.81	0.97	33.6	2.84	0.67	0.84	1	31	3.18	0.69	0.88	1
	1370	38.5	2.22	0.66	0.83	0.98	36.6	2.51	0.67	0.85	1	34.2	2.84	0.69	0.88	1	31.6	3.18	0.72	0.92	1
71°F	1020	38.5	2.22	0.46	0.59	0.72	36.6	2.52	0.47	0.61	0.74	34.4	2.83	0.47	0.62	0.76	31.8	3.18	0.48	0.64	0.79
	1210	39.5	2.22	0.48	0.62	0.77	37.8	2.51	0.48	0.63	0.79	35.4	2.83	0.49	0.65	0.81	32.8	3.18	0.5	0.68	0.85
	1370	40.5	2.22	0.49	0.65	0.8	38.5	2.51	0.5	0.66	0.83	36.2	2.83	0.5	0.68	0.86	33.4	3.18	0.52	0.71	0.9

**XP13-036-230-08 - CH33-42B-2F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1020	39.2	2.54	30.6	2.37	21.4	2.19	15.6	2	7.6	1.48
1210	39.9	2.43	31.3	2.26	22.1	2.08	16.3	1.89	8.3	1.37
1370	40.5	2.35	31.8	2.19	22.7	2	16.9	1.82	8.9	1.3

**XP13-036-230-08 - CH33-42B-2F + EL296UH045V36B  
HEATING PERFORMANCE at 1210 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.43	39.9
60	2.39	38
55	2.35	36
50	2.31	34
47	2.29	32.9
45	2.26	31.3
40	2.17	27.4
35	2.09	23.4
30	2.08	22.8
25	2.08	22.1
20	2.07	21.5
17	2.07	21.1
15	2.06	20.3
10	2.02	18.3
5	1.89	16.3
0	1.76	14.3
-5	1.63	12.3
-10	1.5	10.3
-15	1.37	8.3
-20	1.24	6.3



**XP13-036-230-08 - CR33-48B-F + EL296DF045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F			
63°F	1050	35.4	2.27	0.77	0.92	1	33.6	2.58	0.79	0.94	1	31.6	2.91	0.81	0.97	1	29.4	3.28	0.84	1	1				
	1210	36.4	2.26	0.81	0.96	1	34.6	2.58	0.83	0.98	1	32.6	2.92	0.85	1	1	30.4	3.28	0.89	1	1				
	1310	36.8	2.27	0.83	0.98	1	35.2	2.58	0.85	1	1	33.4	2.92	0.88	1	1	31.2	3.28	0.92	1	1				
67°F	1050	37.4	2.27	0.61	0.75	0.88	35.8	2.58	0.62	0.76	0.91	33.6	2.91	0.63	0.79	0.94	31	3.28	0.65	0.82	0.97				
	1210	38.5	2.27	0.63	0.78	0.93	36.6	2.58	0.64	0.8	0.95	34.6	2.92	0.66	0.83	0.98	32	3.28	0.68	0.87	1				
	1310	39	2.27	0.65	0.81	0.96	37.2	2.58	0.66	0.83	0.98	35	2.92	0.68	0.86	1	32.2	3.28	0.7	0.9	1				
71°F	1050	39.5	2.27	0.46	0.59	0.72	37.8	2.58	0.47	0.61	0.74	35.6	2.91	0.47	0.62	0.76	33	3.27	0.48	0.64	0.79				
	1210	40.5	2.27	0.48	0.62	0.76	39	2.58	0.48	0.63	0.78	36.6	2.91	0.49	0.65	0.81	33.8	3.27	0.5	0.67	0.84				
	1310	41.5	2.27	0.48	0.64	0.78	39.5	2.58	0.49	0.65	0.81	37	2.91	0.5	0.67	0.83	34.2	3.27	0.51	0.69	0.87				

**XP13-036-230-08 - CR33-48B-F + EL296DF045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1050	39.5	2.45	30.8	2.29	21.6	2.12	15.8	1.94	7.8	1.43
1210	40	2.36	31.3	2.2	22.1	2.03	16.3	1.85	8.3	1.34
1310	40.4	2.31	31.8	2.16	22.6	1.98	16.8	1.8	8.8	1.3

**XP13-036-230-08 - CR33-48B-F + EL296DF045V36B  
HEATING PERFORMANCE at 1210 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.36	40
60	2.32	38
55	2.29	36.1
50	2.25	34.1
47	2.23	32.9
45	2.2	31.3
40	2.11	27.4
35	2.03	23.5
30	2.03	22.8
25	2.03	22.1
20	2.02	21.5
17	2.02	21.1
15	2.01	20.3
10	1.97	18.3
5	1.85	16.3
0	1.72	14.3
-5	1.59	12.3
-10	1.47	10.3
-15	1.34	8.3
-20	1.21	6.3

**XP13-036-230-08 - CR33-48B-F + EL296DF070V48B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1065	35.4	2.27	0.78	0.92	1	33.8	2.58	0.79	0.95	1	31.8	2.91	0.82	0.97	1	29.6	3.28	0.85	1	1
	1230	36.6	2.26	0.81	0.97	1	34.8	2.58	0.83	0.99	1	32.8	2.92	0.86	1	1	30.6	3.28	0.9	1	1
	1340	37	2.27	0.84	0.99	1	35.4	2.58	0.86	1	1	33.6	2.92	0.89	1	1	31.4	3.28	0.93	1	1
67°F	1065	37.6	2.27	0.61	0.75	0.89	35.8	2.58	0.62	0.77	0.91	33.8	2.91	0.64	0.79	0.94	31.2	3.28	0.66	0.83	0.98
	1230	38.5	2.27	0.64	0.79	0.94	36.8	2.58	0.65	0.81	0.96	34.6	2.92	0.66	0.84	0.99	32	3.28	0.69	0.87	1
	1340	39	2.27	0.65	0.81	0.97	37.4	2.58	0.66	0.83	0.99	35	2.92	0.68	0.86	1	32.4	3.28	0.71	0.91	1
71°F	1065	39.5	2.27	0.47	0.6	0.73	37.8	2.58	0.47	0.61	0.74	35.8	2.91	0.48	0.62	0.77	33	3.27	0.48	0.64	0.8
	1230	41	2.27	0.48	0.62	0.76	39	2.58	0.48	0.64	0.78	36.6	2.91	0.49	0.65	0.81	33.8	3.27	0.5	0.68	0.85
	1340	41.5	2.27	0.48	0.64	0.79	39.5	2.58	0.49	0.65	0.81	37.2	2.91	0.5	0.67	0.84	34.4	3.27	0.51	0.7	0.88

**XP13-036-230-08 - CR33-48B-F + EL296DF070V48B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1065	39.6	2.44	30.9	2.28	21.7	2.11	15.9	1.93	7.9	1.43
1230	40.1	2.34	31.4	2.19	22.2	2.02	16.4	1.84	8.4	1.34
1340	40.5	2.3	31.8	2.14	22.6	1.98	16.8	1.8	8.8	1.29

**XP13-036-230-08 - CR33-48B-F + EL296DF070V48B  
HEATING PERFORMANCE at 1230 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.34	40.1
60	2.31	38.1
55	2.28	36.1
50	2.24	34.2
47	2.22	33
45	2.19	31.4
40	2.11	27.5
35	2.03	23.5
30	2.02	22.9
25	2.02	22.2
20	2.02	21.6
17	2.02	21.2
15	2	20.4
10	1.97	18.4
5	1.84	16.4
0	1.72	14.4
-5	1.59	12.4
-10	1.46	10.4
-15	1.34	8.4
-20	1.21	6.3

**XP13-036-230-08 - CX34-38B-6F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1020	36.2	2.34	0.77	0.9	1	34.6	2.67	0.78	0.93	1	32.6	3.03	0.8	0.95	1	30.2	3.41	0.83	0.99	1
	1210	37.6	2.34	0.81	0.96	1	35.8	2.67	0.82	0.98	1	33.8	3.03	0.85	1	1	31.6	3.41	0.88	1	1
	1370	38.5	2.34	0.84	1	1	36.8	2.67	0.86	1	1	35	3.02	0.89	1	1	32.8	3.41	0.93	1	1
67°F	1020	38.5	2.35	0.6	0.74	0.87	36.6	2.67	0.61	0.75	0.89	34.6	3.03	0.63	0.77	0.92	32.2	3.41	0.64	0.81	0.96
	1210	39.5	2.35	0.63	0.78	0.93	37.8	2.67	0.64	0.8	0.95	35.8	3.02	0.66	0.82	0.98	33	3.4	0.68	0.86	1
	1370	40.5	2.35	0.65	0.81	0.97	38.5	2.67	0.67	0.84	0.99	36.4	3.02	0.68	0.87	1	33.8	3.4	0.71	0.9	1
71°F	1020	40.5	2.35	0.46	0.59	0.71	38.5	2.67	0.46	0.6	0.73	36.6	3.02	0.47	0.61	0.75	34	3.4	0.48	0.63	0.78
	1210	41.5	2.35	0.47	0.61	0.75	40	2.67	0.48	0.63	0.78	37.6	3.02	0.49	0.64	0.8	35	3.4	0.5	0.67	0.83
	1370	42.5	2.35	0.49	0.64	0.79	40.5	2.67	0.49	0.65	0.81	38.5	3.02	0.5	0.67	0.84	35.6	3.39	0.51	0.7	0.88

**XP13-036-230-08 - CX34-38B-6F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1020	39	2.49	30.4	2.33	21.3	2.16	15.6	1.99	7.6	1.47
1210	39.7	2.37	31.1	2.21	21.9	2.04	16.2	1.87	8.3	1.35
1370	40.2	2.3	31.6	2.15	22.5	1.98	16.8	1.8	8.8	1.29

**XP13-036-230-08 - CX34-38B-6F + EL296UH045V36B  
HEATING PERFORMANCE at 1210 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.37	39.7
60	2.33	37.7
55	2.3	35.8
50	2.27	33.8
47	2.25	32.7
45	2.21	31.1
40	2.13	27.1
35	2.05	23.2
30	2.04	22.6
25	2.04	21.9
20	2.04	21.3
17	2.04	21
15	2.03	20.2
10	2	18.2
5	1.87	16.2
0	1.74	14.2
-5	1.61	12.3
-10	1.48	10.3
-15	1.35	8.3
-20	1.23	6.3

**XP13-036-230-08 - CX34-44/48B-6F + EL296UH045V36B**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1020	36	2.38	0.75	0.89	1	34.4	2.71	0.76	0.91	1	32.4	3.08	0.79	0.94	1	30	3.47	0.82	0.97	1
	1210	37.4	2.38	0.79	0.94	1	35.6	2.71	0.81	0.96	1	33.6	3.08	0.83	0.99	1	31.2	3.47	0.87	1	1
	1370	38.5	2.38	0.82	0.98	1	36.6	2.71	0.84	1	1	34.6	3.07	0.87	1	1	32.4	3.46	0.91	1	1
67°F	1020	38	2.38	0.6	0.73	0.85	36.4	2.7	0.61	0.74	0.87	34.4	3.07	0.62	0.76	0.9	31.8	3.47	0.63	0.79	0.94
	1210	39.5	2.38	0.62	0.76	0.9	37.6	2.71	0.63	0.78	0.93	35.4	3.07	0.65	0.81	0.96	33	3.46	0.67	0.84	1
	1370	40.5	2.38	0.64	0.8	0.94	38.5	2.71	0.65	0.82	0.97	36.4	3.07	0.67	0.84	1	33.6	3.46	0.69	0.88	1
71°F	1020	40	2.38	0.46	0.58	0.7	38.5	2.71	0.46	0.6	0.72	36.4	3.06	0.47	0.6	0.73	33.8	3.45	0.48	0.62	0.77
	1210	41.5	2.38	0.47	0.61	0.74	39.5	2.71	0.47	0.62	0.76	37.6	3.06	0.48	0.63	0.78	35	3.45	0.49	0.66	0.82
	1370	42.5	2.38	0.48	0.63	0.77	40.5	2.71	0.49	0.64	0.79	38.5	3.07	0.5	0.66	0.82	35.6	3.44	0.51	0.68	0.86

**XP13-036-230-08 - CX34-44/48B-6F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1020	38.9	2.59	30.4	2.42	21.3	2.23	15.6	2.04	7.6	1.51
1210	39.5	2.47	31	2.3	21.9	2.11	16.2	1.92	8.3	1.4
1370	40.1	2.4	31.6	2.23	22.5	2.05	16.8	1.85	8.9	1.33

**XP13-036-230-08 - CX34-44/48B-6F + EL296UH045V36B  
HEATING PERFORMANCE at 1210 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.47	39.5
60	2.43	37.6
55	2.39	35.6
50	2.36	33.7
47	2.33	32.5
45	2.3	31
40	2.21	27.1
35	2.12	23.2
30	2.12	22.6
25	2.11	21.9
20	2.11	21.3
17	2.11	20.9
15	2.09	20.1
10	2.05	18.2
5	1.92	16.2
0	1.79	14.2
-5	1.66	12.2
-10	1.53	10.2
-15	1.4	8.3
-20	1.26	6.3

**XP13-036-230-08 - CX34-44/48C-6F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1025	36	2.38	0.75	0.89	1	34.4	2.71	0.76	0.91	1	32.4	3.08	0.79	0.94	1	30	3.47	0.81	0.97	1
	1205	37.2	2.38	0.79	0.93	1	35.6	2.71	0.81	0.96	1	33.6	3.08	0.83	0.99	1	31.2	3.47	0.86	1	1
	1405	38.5	2.38	0.82	0.98	1	36.6	2.71	0.84	1	1	34.8	3.07	0.87	1	1	32.4	3.46	0.91	1	1
67°F	1025	38	2.38	0.59	0.73	0.85	36.4	2.7	0.6	0.74	0.87	34.4	3.07	0.62	0.76	0.9	31.8	3.47	0.63	0.79	0.94
	1205	39	2.38	0.62	0.76	0.9	37.6	2.71	0.63	0.78	0.93	35.4	3.07	0.64	0.8	0.95	32.8	3.46	0.66	0.84	0.99
	1405	40.5	2.38	0.64	0.8	0.95	38.5	2.71	0.66	0.82	0.97	36.4	3.07	0.67	0.85	1	33.6	3.46	0.69	0.89	1
71°F	1025	40	2.38	0.46	0.58	0.7	38.5	2.71	0.46	0.59	0.72	36.4	3.06	0.46	0.6	0.73	33.8	3.45	0.47	0.62	0.76
	1205	41.5	2.38	0.47	0.61	0.73	39.5	2.71	0.47	0.61	0.76	37.4	3.06	0.48	0.63	0.78	34.8	3.45	0.49	0.65	0.81
	1405	42.5	2.38	0.48	0.63	0.77	40.5	2.71	0.49	0.64	0.79	38.5	3.07	0.49	0.66	0.82	35.6	3.44	0.5	0.68	0.86

**XP13-036-230-08 - CX34-44/48C-6F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1025	38.8	2.58	30.2	2.41	21.1	2.22	15.4	2.02	7.6	1.5
1205	39.3	2.47	30.7	2.3	21.7	2.11	15.9	1.92	8.1	1.39
1405	39.9	2.39	31.4	2.21	22.3	2.02	16.6	1.83	8.8	1.3

**XP13-036-230-08 - CX34-44/48C-6F + EL296UH110V48C  
HEATING PERFORMANCE at 1205 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.47	39.3
60	2.44	37.4
55	2.4	35.4
50	2.36	33.5
47	2.33	32.3
45	2.3	30.7
40	2.21	26.8
35	2.12	23
30	2.11	22.3
25	2.11	21.7
20	2.1	21
17	2.1	20.6
15	2.09	19.8
10	2.05	17.9
5	1.92	15.9
0	1.79	14
-5	1.65	12
-10	1.52	10.1
-15	1.39	8.1
-20	1.26	6.2

**XP13-042-230-08 - CH33-43C-2F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1205	44.5	2.68	0.74	0.87	0.99	42.5	3.05	0.76	0.9	1	39.5	3.47	0.78	0.93	1	37	3.95	0.8	0.96	1
	1405	46	2.68	0.77	0.92	1	43.5	3.05	0.79	0.95	1	40.5	3.47	0.82	0.98	1	37.8	3.94	0.85	1	1
	1565	47	2.68	0.8	0.95	1	44	3.05	0.82	0.98	1	41.5	3.47	0.84	1	1	38.5	3.94	0.88	1	1
67°F	1205	46.5	2.68	0.59	0.72	0.84	44	3.06	0.6	0.74	0.87	41.5	3.47	0.61	0.76	0.9	38.5	3.94	0.62	0.79	0.94
	1405	48	2.68	0.61	0.75	0.89	45.5	3.05	0.63	0.77	0.92	42.5	3.47	0.64	0.8	0.95	39	3.94	0.66	0.83	0.99
	1565	49	2.68	0.63	0.78	0.92	46	3.06	0.64	0.8	0.95	43	3.47	0.66	0.83	0.99	39.5	3.92	0.68	0.87	1
71°F	1205	48.5	2.68	0.46	0.58	0.7	45.5	3.05	0.47	0.59	0.71	43	3.47	0.47	0.61	0.74	39.5	3.93	0.47	0.62	0.77
	1405	49.5	2.68	0.47	0.6	0.73	47	3.05	0.47	0.62	0.75	43.5	3.46	0.48	0.63	0.78	40	3.92	0.48	0.65	0.81
	1565	50.5	2.68	0.48	0.62	0.76	47.5	3.05	0.49	0.63	0.78	44	3.46	0.49	0.65	0.81	40.5	3.92	0.5	0.68	0.86

**XP13-042-230-08 - CH33-43C-2F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1205	47.4	3.01	37.2	2.83	26.4	2.63	19.5	2.38	9.5	1.76
1405	48.3	2.89	38	2.71	27.2	2.51	20.3	2.25	10.3	1.64
1565	48.8	2.81	38.6	2.63	27.7	2.43	20.8	2.17	10.9	1.56

**XP13-042-230-08 - CH33-43C-2F + EL296UH110V48C  
HEATING PERFORMANCE at 1405 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	2.89	48.3
60	2.85	45.9
55	2.8	43.6
50	2.76	41.3
47	2.73	39.9
45	2.71	38
40	2.63	33.3
35	2.56	28.6
30	2.54	27.9
25	2.51	27.2
20	2.49	26.5
17	2.47	26
15	2.45	25.1
10	2.41	22.8
5	2.25	20.3
0	2.1	17.8
-5	1.95	15.3
-10	1.79	12.8
-15	1.64	10.3
-20	1.48	7.8

**XP13-042-230-08 - CH33-48C-2F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1205	44.5	2.68	0.74	0.87	0.99	42	3.06	0.75	0.89	1	39.5	3.47	0.78	0.92	1	36.8	3.94	0.8	0.96	1
	1405	46	2.68	0.77	0.91	1	43	3.05	0.79	0.94	1	40.5	3.47	0.81	0.97	1	37.6	3.94	0.84	1	1
	1565	46.5	2.68	0.79	0.94	1	44	3.05	0.81	0.97	1	41	3.47	0.84	1	1	38.5	3.94	0.88	1	1
67°F	1205	46.5	2.68	0.6	0.71	0.83	44	3.06	0.6	0.73	0.86	41	3.47	0.61	0.75	0.89	38.5	3.94	0.63	0.78	0.93
	1405	48	2.69	0.61	0.75	0.88	45	3.05	0.62	0.77	0.91	42	3.48	0.64	0.79	0.94	39	3.94	0.66	0.82	0.99
	1565	48.5	2.68	0.63	0.77	0.91	46	3.05	0.64	0.79	0.94	42.5	3.47	0.65	0.82	0.98	39.5	3.93	0.67	0.86	1
71°F	1205	48	2.68	0.46	0.58	0.69	45.5	3.05	0.47	0.59	0.71	42.5	3.47	0.47	0.6	0.73	39.5	3.94	0.47	0.62	0.76
	1405	49.5	2.68	0.47	0.59	0.72	46.5	3.05	0.48	0.61	0.75	43.5	3.46	0.47	0.63	0.77	40	3.92	0.48	0.65	0.81
	1565	50.5	2.68	0.48	0.61	0.75	47.5	3.05	0.49	0.63	0.77	44	3.46	0.49	0.64	0.8	40.5	3.92	0.5	0.67	0.85

**XP13-042-230-08 - CH33-48C-2F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1205	47.5	3.04	37.3	2.85	26.6	2.65	19.7	2.4	9.6	1.78
1405	48.2	2.92	38	2.72	27.3	2.53	20.4	2.27	10.3	1.65
1565	48.8	2.84	38.7	2.65	27.9	2.45	21	2.2	11	1.57

**XP13-042-230-08 - CH33-48C-2F + EL296UH110V48C  
HEATING PERFORMANCE at 1405 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.92	48.2
60	2.87	45.9
55	2.83	43.6
50	2.78	41.3
47	2.75	39.9
45	2.72	38
40	2.65	33.4
35	2.58	28.7
30	2.55	28
25	2.53	27.3
20	2.5	26.5
17	2.49	26.1
15	2.47	25.2
10	2.42	22.9
5	2.27	20.4
0	2.11	17.9
-5	1.96	15.4
-10	1.8	12.9
-15	1.65	10.3
-20	1.49	7.8

**XP13-042-230-08 - CX34-43B-6F + EL296UH045V36B**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1210	44.5	2.65	0.75	0.88	1	42	3.01	0.77	0.91	1	39.5	3.43	0.79	0.95	1	36.6	3.89	0.82	0.98	1
	1370	45.5	2.65	0.78	0.93	1	43	3.02	0.8	0.96	1	40	3.43	0.83	0.99	1	37.2	3.89	0.86	1	1
	1370	45.5	2.65	0.78	0.93	1	43	3.02	0.8	0.96	1	40	3.43	0.83	0.99	1	37.2	3.89	0.86	1	1
67°F	1210	46.5	2.65	0.61	0.73	0.85	44	3.02	0.61	0.75	0.89	41	3.43	0.63	0.77	0.92	38	3.89	0.65	0.8	0.96
	1370	47.5	2.65	0.61	0.76	0.9	45	3.02	0.63	0.78	0.93	42	3.42	0.64	0.81	0.96	38.5	3.88	0.68	0.84	1
	1370	47.5	2.65	0.61	0.76	0.9	45	3.02	0.63	0.78	0.93	42	3.42	0.64	0.81	0.96	38.5	3.88	0.68	0.84	1
71°F	1210	48.5	2.65	0.46	0.59	0.71	46	3.02	0.47	0.6	0.73	42.5	3.42	0.48	0.62	0.76	39.5	3.87	0.49	0.63	0.79
	1370	49.5	2.65	0.47	0.6	0.74	46.5	3.01	0.48	0.62	0.76	43	3.42	0.49	0.64	0.79	39.5	3.87	0.5	0.67	0.83
	1370	49.5	2.65	0.47	0.6	0.74	46.5	3.01	0.48	0.62	0.76	43	3.42	0.49	0.64	0.79	39.5	3.87	0.5	0.67	0.83

**XP13-042-230-08 - CX34-43B-6F + EL296UH045V36B**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1210	47.6	3.04	37.5	2.85	26.8	2.65	20	2.39	9.8	1.77
1370	48.3	2.92	38.2	2.73	27.5	2.53	20.7	2.27	10.5	1.65
1370	48.3	2.92	38.2	2.73	27.5	2.53	20.7	2.27	10.5	1.65

**XP13-042-230-08 - CX34-43B-6F + EL296UH045V36B  
HEATING PERFORMANCE at 1370 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	2.92	48.3
60	2.88	46
55	2.83	43.8
50	2.79	41.5
47	2.76	40.1
45	2.73	38.2
40	2.66	33.6
35	2.59	28.9
30	2.56	28.2
25	2.53	27.5
20	2.51	26.8
17	2.49	26.4
15	2.47	25.5
10	2.43	23.2
5	2.27	20.7
0	2.12	18.1
-5	1.96	15.6
-10	1.81	13
-15	1.65	10.5
-20	1.49	7.9



**XP13-042-230-08 - CX34-43C-6F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1205	44.5	2.65	0.75	0.88	1	42	3.01	0.77	0.91	1	39	3.43	0.79	0.94	1	36.4	3.9	0.82	0.98	1
	1405	46	2.65	0.78	0.93	1	43	3.02	0.8	0.96	1	40.5	3.43	0.83	0.99	1	37.4	3.89	0.86	1	1
	1565	46.5	2.65	0.81	0.97	1	44	3.02	0.83	0.99	1	41	3.43	0.86	1	1	38	3.88	0.9	1	1
67°F	1205	46.5	2.65	0.6	0.72	0.85	44	3.02	0.6	0.74	0.88	41	3.43	0.62	0.77	0.91	37.8	3.89	0.64	0.8	0.95
	1405	48	2.65	0.61	0.76	0.9	45	3.02	0.63	0.78	0.93	42	3.42	0.64	0.81	0.97	38.5	3.88	0.68	0.85	1
	1565	48.5	2.65	0.64	0.79	0.94	45.5	3.01	0.65	0.81	0.97	42.5	3.42	0.67	0.85	1	39	3.87	0.69	0.89	1
71°F	1205	48.5	2.65	0.46	0.58	0.7	45.5	3.02	0.46	0.59	0.72	42.5	3.42	0.47	0.61	0.75	39	3.87	0.48	0.63	0.78
	1405	49.5	2.65	0.47	0.6	0.74	46.5	3.01	0.47	0.62	0.77	43.5	3.42	0.49	0.64	0.8	39.5	3.86	0.5	0.67	0.84
	1565	50.5	2.65	0.48	0.62	0.77	47.5	3.01	0.49	0.64	0.8	44	3.41	0.49	0.66	0.83	40	3.86	0.51	0.69	0.88

**XP13-042-230-08 - CX34-43C-6F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1205	47.3	3.03	37.2	2.84	26.5	2.65	19.6	2.4	9.6	1.78
1405	48	2.89	37.9	2.7	27.2	2.51	20.3	2.26	10.3	1.64
1565	48.6	2.81	38.5	2.63	27.7	2.43	20.9	2.18	10.9	1.56

**XP13-042-230-08 - CX34-43C-6F + EL296UH110V48C  
HEATING PERFORMANCE at 1405 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.89	48
60	2.84	45.8
55	2.8	43.5
50	2.76	41.2
47	2.73	39.8
45	2.7	37.9
40	2.63	33.3
35	2.56	28.6
30	2.53	27.9
25	2.51	27.2
20	2.49	26.5
17	2.47	26
15	2.45	25.1
10	2.41	22.8
5	2.26	20.3
0	2.1	17.8
-5	1.95	15.3
-10	1.79	12.8
-15	1.64	10.3
-20	1.48	7.8

**XP13-042-230-08 - CX34-50/60C-6F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1205	44	2.65	0.74	0.88	1	41.5	3.02	0.76	0.9	1	39	3.43	0.79	0.94	1	36.2	3.89	0.81	0.97	1
	1405	45.5	2.65	0.78	0.92	1	43	3.02	0.8	0.95	1	40	3.43	0.82	0.99	1	37.2	3.89	0.86	1	1
	1565	46.5	2.65	0.8	0.96	1	43.5	3.02	0.83	0.99	1	40.5	3.43	0.86	1	1	38	3.88	0.89	1	1
67°F	1205	46.5	2.65	0.6	0.72	0.84	43.5	3.02	0.61	0.74	0.87	41	3.43	0.62	0.77	0.91	37.8	3.89	0.64	0.79	0.95
	1405	47.5	2.65	0.61	0.76	0.89	44.5	3.02	0.63	0.78	0.93	41.5	3.43	0.64	0.8	0.96	38.5	3.88	0.67	0.84	1
	1565	48.5	2.65	0.62	0.78	0.93	45.5	3.02	0.64	0.81	0.96	42	3.42	0.67	0.84	1	39	3.87	0.69	0.88	1
71°F	1205	48.5	2.65	0.46	0.58	0.7	45.5	3.01	0.46	0.6	0.72	42.5	3.42	0.47	0.61	0.74	39	3.87	0.48	0.63	0.78
	1405	49.5	2.65	0.47	0.6	0.73	46.5	3.02	0.47	0.62	0.76	43	3.42	0.49	0.63	0.79	39.5	3.86	0.5	0.67	0.83
	1565	50.5	2.65	0.47	0.62	0.76	47	3.01	0.48	0.64	0.79	43.5	3.41	0.49	0.66	0.82	40	3.86	0.51	0.7	0.87

**XP13-042-230-08 - CX34-50/60C-6F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1205	47.4	3.04	37.3	2.85	26.5	2.66	19.7	2.4	9.6	1.78
1405	48.1	2.91	38	2.72	27.3	2.52	20.4	2.26	10.4	1.64
1565	48.7	2.83	38.6	2.64	27.8	2.45	20.9	2.19	10.9	1.57

**XP13-042-230-08 - CX34-50/60C-6F + EL296UH110V48C  
HEATING PERFORMANCE at 1405 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	2.91	48.1
60	2.86	45.8
55	2.82	43.5
50	2.77	41.3
47	2.75	39.9
45	2.72	38
40	2.65	33.4
35	2.58	28.7
30	2.55	28
25	2.52	27.3
20	2.5	26.6
17	2.48	26.1
15	2.46	25.2
10	2.42	22.9
5	2.26	20.4
0	2.11	17.9
-5	1.95	15.4
-10	1.8	12.9
-15	1.64	10.4
-20	1.49	7.8

**XP13-048-230-08 - CH33-49C-2F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1405	48.5	2.96	0.76	0.89	1	46.5	3.35	0.77	0.91	1	44.5	3.82	0.78	0.93	1	40.5	4.39	0.82	0.98	1
	1565	49.5	2.97	0.78	0.93	1	47.5	3.36	0.8	0.95	1	45.5	3.82	0.81	0.97	1	41.5	4.38	0.85	1	1
	1760	51	2.97	0.81	0.97	1	49	3.36	0.83	0.99	1	46.5	3.83	0.85	1	1	43	4.39	0.89	1	1
67°F	1405	51.5	2.97	0.6	0.73	0.86	49.5	3.36	0.61	0.74	0.88	47	3.83	0.62	0.76	0.9	43	4.39	0.64	0.8	0.95
	1565	53	2.97	0.61	0.75	0.89	50.5	3.37	0.63	0.77	0.91	48	3.84	0.64	0.79	0.94	43.5	4.4	0.66	0.83	0.99
	1760	54	2.98	0.64	0.79	0.93	52	3.37	0.65	0.8	0.96	49	3.84	0.66	0.83	0.98	44.5	4.41	0.69	0.87	1
71°F	1405	54.5	2.98	0.46	0.58	0.71	52.5	3.37	0.46	0.59	0.72	49.5	3.84	0.47	0.6	0.74	45	4.41	0.48	0.63	0.77
	1565	56	2.98	0.47	0.6	0.73	53.5	3.37	0.47	0.61	0.75	50.5	3.85	0.48	0.62	0.77	46	4.41	0.49	0.65	0.81
	1760	57	2.98	0.48	0.62	0.76	54.5	3.38	0.48	0.64	0.78	52	3.85	0.49	0.65	0.8	46.5	4.42	0.5	0.68	0.85

**XP13-048-230-08 - CH33-49C-2F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1405	52.8	3.33	41.7	3.12	29.9	2.9	22.6	2.66	11.3	1.96
1565	53.2	3.22	42.2	3.02	30.3	2.79	23	2.55	11.7	1.85
1760	53.9	3.14	42.8	2.93	31	2.7	23.7	2.47	12.3	1.77

**XP13-048-230-08 - CH33-49C-2F + EL296UH110V48C  
HEATING PERFORMANCE at 1565 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.22	53.2
60	3.18	50.8
55	3.13	48.3
50	3.09	45.8
47	3.06	44.3
45	3.02	42.2
40	2.9	36.8
35	2.79	31.5
30	2.79	30.9
25	2.79	30.3
20	2.79	29.7
17	2.79	29.4
15	2.78	28.4
10	2.73	25.9
5	2.55	23
0	2.38	20.2
-5	2.2	17.3
-10	2.03	14.5
-15	1.85	11.7
-20	1.68	8.8

**XP13-048-230-08 - CH33-50/60C-2F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1405	48	2.96	0.75	0.89	1	46.5	3.35	0.77	0.91	1	44	3.81	0.78	0.93	1	40.5	4.38	0.81	0.97	1
	1565	49.5	2.96	0.78	0.92	1	47.5	3.36	0.79	0.94	1	45.5	3.82	0.81	0.96	1	41	4.39	0.85	1	1
	1760	50.5	2.96	0.81	0.96	1	48.5	3.36	0.82	0.98	1	46.5	3.82	0.84	1	1	42.5	4.4	0.89	1	1
67°F	1405	51.5	2.97	0.6	0.73	0.85	49.5	3.36	0.61	0.74	0.87	47	3.83	0.62	0.76	0.89	42.5	4.39	0.64	0.79	0.94
	1565	52.5	2.97	0.61	0.75	0.88	50.5	3.36	0.62	0.77	0.91	48	3.83	0.63	0.79	0.93	43.5	4.4	0.66	0.82	0.98
	1760	54	2.98	0.63	0.78	0.93	51.5	3.37	0.64	0.8	0.95	49	3.84	0.66	0.82	0.97	44.5	4.41	0.68	0.86	1
71°F	1405	54	2.98	0.46	0.58	0.7	52	3.37	0.46	0.59	0.72	49.5	3.84	0.47	0.6	0.73	45	4.41	0.48	0.63	0.77
	1565	55.5	2.98	0.47	0.6	0.73	53	3.38	0.47	0.61	0.74	50.5	3.84	0.48	0.62	0.76	46	4.41	0.49	0.65	0.8
	1760	57	2.99	0.48	0.62	0.76	54.5	3.38	0.48	0.63	0.77	51.5	3.85	0.49	0.64	0.8	46.5	4.42	0.5	0.67	0.84

**XP13-048-230-08 - CH33-50/60C-2F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	1405	52.9	3.36	41.7	3.15	29.9	2.92	22.6	2.68	11.2
1565	53.2	3.25	42.1	3.04	30.2	2.81	23	2.57	11.6	1.87
1760	53.8	3.15	42.7	2.94	30.8	2.71	23.5	2.47	12.2	1.77

**XP13-048-230-08 - CH33-50/60C-2F + EL296UH110V48C  
HEATING PERFORMANCE at 1565 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.25	53.2
60	3.21	50.8
55	3.16	48.3
50	3.12	45.8
47	3.09	44.3
45	3.04	42.1
40	2.92	36.8
35	2.81	31.4
30	2.81	30.8
25	2.81	30.2
20	2.81	29.7
17	2.81	29.3
15	2.8	28.3
10	2.75	25.8
5	2.57	23
0	2.4	20.1
-5	2.22	17.3
-10	2.04	14.5
-15	1.87	11.6
-20	1.69	8.8

**XP13-048-230-08 - CX34-49C-6F + EL296UH110V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1405	47	2.89	0.77	0.91	1	45	3.26	0.78	0.93	1	42.5	3.7	0.8	0.95	1	39.5	4.21	0.83	0.99	1
	1565	48	2.89	0.79	0.94	1	46	3.27	0.81	0.97	1	43.5	3.7	0.83	0.99	1	40	4.22	0.87	1	1
	1760	49.5	2.9	0.82	0.98	1	47	3.27	0.84	1	1	45	3.71	0.87	1	1	41.5	4.24	0.91	1	1
67°F	1405	49.5	2.9	0.61	0.74	0.87	47	3.27	0.62	0.76	0.89	45	3.71	0.63	0.78	0.92	41	4.23	0.65	0.81	0.97
	1565	50.5	2.9	0.63	0.77	0.91	48.5	3.28	0.64	0.79	0.93	46	3.71	0.65	0.81	0.96	42	4.24	0.68	0.85	1
	1760	52	2.9	0.65	0.8	0.95	49.5	3.28	0.66	0.82	0.98	47	3.72	0.67	0.85	1	42.5	4.24	0.7	0.89	1
71°F	1405	52	2.9	0.46	0.59	0.72	49.5	3.28	0.47	0.6	0.73	47	3.72	0.47	0.62	0.76	43	4.25	0.49	0.64	0.79
	1565	53	2.91	0.47	0.61	0.74	50.5	3.28	0.48	0.62	0.76	48	3.72	0.49	0.64	0.79	43.5	4.25	0.5	0.67	0.83
	1760	54.5	2.91	0.49	0.63	0.77	52	3.29	0.49	0.65	0.8	49	3.73	0.5	0.67	0.82	44.5	4.26	0.51	0.7	0.87

**XP13-048-230-08 - CX34-49C-6F + EL296UH110V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1405	51.5	3.3	40.8	3.13	29.2	2.93	22.2	2.73	11	2
1565	52	3.21	41.3	3.04	29.8	2.84	22.7	2.64	11.5	1.91
1760	52.7	3.12	41.9	2.95	30.4	2.75	23.4	2.55	12.1	1.82

**XP13-048-230-08 - CX34-49C-6F + EL296UH110V48C  
HEATING PERFORMANCE at 1565 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	3.21	52
60	3.17	49.6
55	3.14	47.2
50	3.1	44.8
47	3.08	43.4
45	3.04	41.3
40	2.92	36
35	2.81	30.8
30	2.83	30.3
25	2.84	29.8
20	2.86	29.2
17	2.87	28.9
15	2.86	28
10	2.82	25.5
5	2.64	22.7
0	2.46	19.9
-5	2.27	17.1
-10	2.09	14.3
-15	1.91	11.5
-20	1.72	8.7

**XP13-060-230-08 - CBX26UH-060**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F	75°F	80°F	85°F	
63°F	1645	60	3.94	0.72	0.85	0.97	56.5	4.45	0.74	0.87	1	53	5.03	0.76	0.9	1	49	5.73	0.78	0.94	1				
	1800	61	3.94	0.74	0.87	1	57.5	4.45	0.75	0.9	1	54	5.05	0.78	0.93	1	50	5.72	0.8	0.97	1				
	1960	62	3.95	0.75	0.9	1	58.5	4.47	0.77	0.92	1	55	5.05	0.8	0.96	1	50.5	5.73	0.83	1	1				
67°F	1645	63.5	3.95	0.57	0.7	0.81	60	4.47	0.58	0.71	0.84	56.5	5.06	0.59	0.73	0.86	52	5.75	0.61	0.76	0.9				
	1800	64.5	3.97	0.58	0.71	0.84	61	4.48	0.59	0.73	0.86	57.5	5.08	0.61	0.75	0.89	53	5.74	0.62	0.78	0.93				
	1960	66	3.97	0.59	0.73	0.86	62.5	4.49	0.6	0.75	0.89	58.5	5.07	0.62	0.77	0.92	54	5.75	0.64	0.8	0.97				
71°F	1645	67	3.97	0.44	0.56	0.67	63.5	4.5	0.44	0.57	0.69	59.5	5.08	0.45	0.58	0.71	55	5.78	0.45	0.59	0.73				
	1800	68	3.98	0.45	0.57	0.69	64.5	4.5	0.45	0.58	0.7	60.5	5.1	0.45	0.59	0.73	56	5.78	0.46	0.61	0.75				
	1960	69.5	3.99	0.45	0.58	0.71	66	4.51	0.45	0.59	0.72	61.5	5.11	0.46	0.6	0.75	57	5.78	0.47	0.62	0.78				

**XP13-060-230-08 - CBX26UH-060**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil																	
	65°F		45°F		25°F		5°F		-15°F									
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input								
											kW		kW		kW		kW	
											kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
1644	67.3	4.57	52.8	4.15	37.2	3.71	28	3.28	13.9	2.43								
1800	67.9	4.45	53.3	4.03	37.7	3.6	28.5	3.16	14.5	2.32								
1958	68.5	4.34	54	3.93	38.4	3.49	29.2	3.06	15.1	2.21								

**XP13-060-230-08 - CBX26UH-060**

**HEATING PERFORMANCE at 1800 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.45	67.9
60	4.35	64.6
55	4.25	61.3
50	4.15	58.1
47	4.1	56.1
45	4.03	53.3
40	3.87	46.2
35	3.71	39.2
30	3.65	38.5
25	3.6	37.7
20	3.54	37
17	3.51	36.6
15	3.47	35.3
10	3.37	32
5	3.16	28.5
0	2.95	25
-5	2.74	21.5
-10	2.53	18
-15	2.32	14.5
-20	2.11	11

**XP13-060-230-08 - CBX27UH-060**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1635	59	3.93	0.73	0.86	0.98	56	4.44	0.75	0.89	1	52.5	5.05	0.77	0.92	1	49	5.72	0.8	0.95	1
	1800	60.5	3.94	0.75	0.89	1	57.5	4.46	0.77	0.92	1	54	5.05	0.79	0.95	1	50	5.72	0.82	0.98	1
	2255	63.5	3.96	0.8	0.96	1	60	4.47	0.83	0.98	1	56.5	5.07	0.85	1	1	53	5.76	0.89	1	1
67°F	1635	62	3.95	0.59	0.71	0.83	59	4.46	0.59	0.73	0.85	55.5	5.06	0.61	0.75	0.88	51.5	5.74	0.63	0.77	0.92
	1800	63.5	3.95	0.6	0.73	0.86	60.5	4.48	0.61	0.75	0.88	56.5	5.06	0.62	0.77	0.91	52.5	5.74	0.64	0.8	0.95
	2255	66.5	3.97	0.63	0.78	0.93	63	4.5	0.64	0.8	0.96	59	5.08	0.66	0.83	0.99	54.5	5.77	0.68	0.87	1
71°F	1635	65	3.97	0.45	0.57	0.69	62	4.48	0.45	0.58	0.7	58.5	5.08	0.45	0.59	0.72	54.5	5.76	0.46	0.61	0.75
	1800	66.5	3.98	0.45	0.58	0.71	63	4.5	0.45	0.59	0.73	59.5	5.08	0.46	0.61	0.75	55	5.77	0.47	0.63	0.78
	2255	69.5	3.99	0.46	0.62	0.76	66	4.51	0.47	0.63	0.78	62	5.1	0.48	0.65	0.81	57.5	5.79	0.49	0.67	0.85

**XP13-060-230-08 - CBX27UH-060**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1635	66	4.16	51.7	3.87	36.4	3.55	27.4	3.23	13.5	2.38
1800	66.9	4.06	52.6	3.76	37.3	3.45	28.3	3.12	14.3	2.27
2255	69	3.84	54.7	3.55	39.4	3.23	30.3	2.91	16.4	2.06

**XP13-060-230-08 - CBX27UH-060**

**HEATING PERFORMANCE at 1800 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.06	66.9
60	3.99	63.7
55	3.92	60.5
50	3.86	57.3
47	3.82	55.4
45	3.76	52.6
40	3.62	45.6
35	3.48	38.6
30	3.46	38
25	3.45	37.3
20	3.43	36.6
17	3.42	36.2
15	3.39	34.9
10	3.33	31.7
5	3.12	28.3
0	2.9	24.8
-5	2.69	21.3
-10	2.48	17.8
-15	2.27	14.3
-20	2.05	10.9

**XP13-060-230-08 - CBX32MV-060**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1625	59	3.91	0.73	0.85	0.97	55.5	4.42	0.74	0.88	0.99	52.5	5	0.76	0.91	1	48.5	5.67	0.79	0.94	1
	1725	59.5	3.92	0.74	0.87	0.99	56.5	4.42	0.75	0.89	1	53	5	0.77	0.93	1	49	5.67	0.8	0.96	1
	2055	61.5	3.93	0.77	0.92	1	58.5	4.43	0.79	0.95	1	55	5.01	0.82	0.98	1	50.5	5.68	0.85	1	1
67°F	1625	62	3.93	0.58	0.7	0.82	59	4.44	0.59	0.72	0.84	55.5	5.02	0.6	0.74	0.87	51.5	5.69	0.61	0.76	0.91
	1725	63	3.94	0.58	0.71	0.84	59.5	4.44	0.59	0.73	0.86	56	5.04	0.61	0.75	0.89	52	5.7	0.62	0.78	0.93
	2055	65.5	3.95	0.61	0.75	0.89	62	4.46	0.62	0.77	0.92	58	5.04	0.63	0.79	0.95	53.5	5.72	0.65	0.83	0.98
71°F	1625	65.5	3.96	0.44	0.56	0.68	62	4.46	0.45	0.57	0.69	58.5	5.05	0.45	0.58	0.71	54	5.71	0.46	0.6	0.74
	1725	66.5	3.95	0.45	0.57	0.69	63	4.46	0.45	0.58	0.7	59	5.05	0.45	0.59	0.73	55	5.73	0.46	0.61	0.75
	2055	69	3.97	0.46	0.59	0.73	65	4.48	0.46	0.6	0.75	61	5.08	0.47	0.62	0.77	56.5	5.74	0.47	0.64	0.8

**XP13-060-230-08 - CBX32MV-060**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1625	65.9	4.36	51.7	4	36.5	3.62	27.5	3.24	13.6	2.39
1725	66.5	4.29	52.3	3.93	37.1	3.54	28.1	3.17	14.3	2.31
2055	68.1	4.1	53.9	3.74	38.7	3.35	29.7	2.98	15.9	2.12

**XP13-060-230-08 - CBX32MV-060**

**HEATING PERFORMANCE at 1725 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.29	66.5
60	4.21	63.3
55	4.12	60.1
50	4.04	57
47	3.99	55.1
45	3.93	52.3
40	3.76	45.4
35	3.6	38.5
30	3.57	37.8
25	3.54	37.1
20	3.51	36.4
17	3.5	36
15	3.46	34.8
10	3.38	31.6
5	3.17	28.1
0	2.95	24.7
-5	2.74	21.2
-10	2.53	17.7
-15	2.31	14.3
-20	2.1	10.8



**XP13-060-230-08 - CBX32MV-068**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1625	59	3.93	0.71	0.84	0.96	56	4.45	0.73	0.86	0.98	52.5	5.03	0.75	0.89	1	49	5.71	0.77	0.92	1
	1800	60.5	3.94	0.73	0.86	0.99	57.5	4.45	0.75	0.88	1	54	5.04	0.77	0.91	1	50	5.73	0.8	0.95	1
	2075	62.5	3.95	0.76	0.9	1	59	4.46	0.77	0.93	1	55.5	5.05	0.8	0.96	1	51.5	5.75	0.83	1	1
67°F	1625	62.5	3.95	0.57	0.69	0.8	59.5	4.47	0.58	0.71	0.82	56	5.05	0.59	0.72	0.85	52	5.74	0.61	0.75	0.88
	1800	64	3.96	0.58	0.71	0.83	61	4.47	0.59	0.73	0.85	57	5.07	0.6	0.74	0.88	53	5.74	0.62	0.77	0.92
	2075	65.5	3.96	0.6	0.73	0.86	62.5	4.49	0.61	0.75	0.89	58.5	5.08	0.62	0.78	0.92	54.5	5.75	0.64	0.81	0.96
71°F	1625	66	3.97	0.45	0.56	0.67	63	4.48	0.45	0.57	0.68	59	5.08	0.45	0.57	0.7	55	5.76	0.45	0.59	0.72
	1800	67.5	3.98	0.45	0.57	0.68	64	4.49	0.45	0.58	0.7	60.5	5.09	0.45	0.59	0.72	56	5.78	0.46	0.61	0.75
	2075	69.5	3.99	0.45	0.58	0.71	66	4.51	0.46	0.59	0.73	62	5.1	0.46	0.61	0.75	57.5	5.79	0.47	0.63	0.78

**XP13-060-230-08 - CBX32MV-068**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1625	64	4.63	50.1	4.22	35	3.78	26.6	3.37	13	2.5
1800	65	4.52	51.1	4.1	36	3.67	27.6	3.26	14	2.38
2075	66.2	4.35	52.2	3.94	37.2	3.5	28.8	3.09	15.2	2.22

**XP13-060-230-08 - CBX32MV-068**

**HEATING PERFORMANCE at 1800 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	4.52	65
60	4.42	62
55	4.33	58.9
50	4.23	55.8
47	4.18	53.9
45	4.1	51.1
40	3.92	44
35	3.74	36.9
30	3.7	36.5
25	3.67	36
20	3.63	35.6
17	3.61	35.3
15	3.57	34.1
10	3.48	31
5	3.26	27.6
0	3.04	24.2
-5	2.82	20.8
-10	2.6	17.4
-15	2.38	14
-20	2.17	10.6

**XP13-060-230-08 - CBX40UHV-060**

Entering Wet Bulb Temperature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1625	59	3.91	0.73	0.85	0.97	55.5	4.42	0.74	0.88	0.99	52.5	5	0.76	0.91	1	48.5	5.67	0.79	0.94	1
	1725	59.5	3.92	0.74	0.87	0.99	56.5	4.42	0.75	0.89	1	53	5	0.77	0.93	1	49	5.67	0.8	0.96	1
	2055	61.5	3.93	0.77	0.92	1	58.5	4.43	0.79	0.95	1	55	5.01	0.82	0.98	1	50.5	5.68	0.85	1	1
67°F	1625	62	3.93	0.58	0.7	0.82	59	4.44	0.59	0.72	0.84	55.5	5.02	0.6	0.74	0.87	51.5	5.69	0.61	0.76	0.91
	1725	63	3.94	0.58	0.71	0.84	59.5	4.44	0.59	0.73	0.86	56	5.04	0.61	0.75	0.89	52	5.7	0.62	0.78	0.93
	2055	65.5	3.95	0.61	0.75	0.89	62	4.46	0.62	0.77	0.92	58	5.04	0.63	0.79	0.95	53.5	5.72	0.65	0.83	0.98
71°F	1625	65.5	3.96	0.44	0.56	0.68	62	4.46	0.45	0.57	0.69	58.5	5.05	0.45	0.58	0.71	54	5.71	0.46	0.6	0.74
	1725	66.5	3.95	0.45	0.57	0.69	63	4.46	0.45	0.58	0.7	59	5.05	0.45	0.59	0.73	55	5.73	0.46	0.61	0.75
	2055	69	3.97	0.46	0.59	0.73	65	4.48	0.46	0.6	0.75	61	5.08	0.47	0.62	0.77	56.5	5.74	0.47	0.64	0.8

**XP13-060-230-08 - CBX40UHV-060**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1625	66	4.36	51.8	4	36.7	3.62	27.7	3.24	13.8	2.39
1725	66.5	4.29	52.3	3.93	37.1	3.54	28.1	3.17	14.3	2.31
2055	68	4.1	53.8	3.74	38.6	3.35	29.7	2.98	15.8	2.12

**XP13-060-230-08 - CBX40UHV-060  
HEATING PERFORMANCE at 1725 cfm Indoor Coil Air Volume**

Outdoor Temperature	Compressor Motor Input	Total Output
°F	kW	kBtuh
65	4.29	66.5
60	4.21	63.3
55	4.12	60.1
50	4.04	56.9
47	3.99	55
45	3.93	52.3
40	3.76	45.3
35	3.6	38.4
30	3.57	37.8
25	3.54	37.1
20	3.51	36.4
17	3.5	36
15	3.46	34.7
10	3.38	31.6
5	3.17	28.1
0	2.95	24.6
-5	2.74	21.2
-10	2.53	17.7
-15	2.31	14.3
-20	2.1	10.8

**XP13-060-230-08 - CH33-62D-2F + SL280UH135V60D**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
				75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F			75°F	80°F	85°F	75°F	80°F	85°F	
cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F					
63°F	1600	59.5	3.97	0.72	0.83	0.94	56.5	4.49	0.73	0.85	0.97	53.5	5.12	0.74	0.87	0.99	49.5	5.82	0.77	0.9	1				
	1835	61.5	3.99	0.74	0.86	0.98	58.5	4.51	0.75	0.88	1	55	5.12	0.77	0.91	1	51	5.83	0.79	0.95	1				
	2105	63.5	4	0.76	0.9	1	60	4.52	0.78	0.92	1	56.5	5.13	0.8	0.95	1	52.5	5.84	0.82	0.99	1				
67°F	1600	62.5	3.99	0.58	0.69	0.8	59.5	4.52	0.59	0.7	0.81	56	5.12	0.6	0.72	0.84	52.5	5.84	0.61	0.74	0.87				
	1835	64.5	4.01	0.6	0.71	0.83	61.5	4.52	0.61	0.73	0.85	58	5.14	0.61	0.74	0.87	54	5.84	0.63	0.77	0.91				
	2105	66.5	4.01	0.61	0.74	0.86	63	4.54	0.62	0.75	0.89	59.5	5.15	0.63	0.77	0.91	55.5	5.84	0.65	0.8	0.95				
71°F	1600	65	4	0.46	0.56	0.67	62	4.52	0.46	0.57	0.68	58.5	5.14	0.47	0.58	0.69	54.5	5.84	0.47	0.59	0.71				
	1835	67	4.01	0.47	0.58	0.69	64	4.55	0.47	0.59	0.7	60.5	5.15	0.48	0.6	0.72	56	5.86	0.48	0.61	0.74				
	2105	69	4.03	0.47	0.6	0.71	65.5	4.55	0.48	0.61	0.73	62	5.16	0.49	0.62	0.75	57.5	5.86	0.49	0.64	0.78				

**XP13-060-230-08 - CH33-62D-2F + SL280UH135V60D**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil																		
	65°F		45°F		25°F		5°F		-15°F										
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input									
											cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW
											1600	65.5	4.66	51.3	4.25	36	3.81	26.9	3.39
1835	66.7	4.49	52.4	4.07	37.1	3.64	28	3.22	14.2	2.36									
2105	67.8	4.32	53.5	3.91	38.3	3.48	29.2	3.05	15.4	2.19									

**XP13-060-230-08 - CH33-62D-2F + SL280UH135V60D  
HEATING PERFORMANCE at 1835 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.49	66.7
60	4.39	63.5
55	4.3	60.3
50	4.2	57.1
47	4.14	55.1
45	4.07	52.4
40	3.9	45.5
35	3.73	38.5
30	3.69	37.8
25	3.64	37.1
20	3.59	36.4
17	3.57	35.9
15	3.53	34.7
10	3.43	31.5
5	3.22	28
0	3	24.6
-5	2.79	21.1
-10	2.57	17.7
-15	2.36	14.2
-20	2.14	10.8

**XP13-060-230-08 - CH33-62D-2F + SLP98UH135V60D**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1565	59	3.97	0.71	0.83	0.94	56	4.5	0.72	0.84	0.96	53	5.11	0.74	0.87	0.99	49.5	5.81	0.76	0.9	1
	1805	61	3.99	0.73	0.86	0.97	58.5	4.51	0.75	0.88	1	55	5.12	0.77	0.9	1	51	5.83	0.79	0.94	1
	2070	63	4	0.76	0.89	1	60	4.52	0.77	0.92	1	56.5	5.13	0.8	0.95	1	52.5	5.84	0.82	0.98	1
67°F	1565	62	4	0.58	0.69	0.79	59	4.51	0.59	0.7	0.81	56	5.12	0.6	0.71	0.83	52	5.84	0.61	0.74	0.86
	1805	64	4	0.59	0.71	0.82	61	4.52	0.6	0.72	0.84	57.5	5.13	0.61	0.74	0.87	53.5	5.84	0.63	0.77	0.9
	2070	66	4.01	0.61	0.73	0.86	63	4.54	0.62	0.75	0.88	59.5	5.15	0.63	0.77	0.91	55	5.86	0.65	0.8	0.95
71°F	1565	64.5	4	0.46	0.56	0.66	61.5	4.52	0.46	0.57	0.67	58.5	5.13	0.46	0.58	0.69	54.5	5.84	0.47	0.59	0.71
	1805	66.5	4.01	0.47	0.58	0.69	63.5	4.54	0.47	0.59	0.7	60	5.15	0.47	0.6	0.72	56	5.86	0.48	0.61	0.74
	2070	68.5	4.02	0.47	0.6	0.71	65.5	4.55	0.48	0.61	0.73	61.5	5.16	0.48	0.62	0.75	57.5	5.86	0.49	0.64	0.77

**XP13-060-230-08 - CH33-62D-2F + SLP98UH135V60D**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1565	65.4	4.7	51.1	4.28	35.8	3.84	26.7	3.4	13	2.54
1805	66.6	4.51	52.3	4.09	37	3.65	27.9	3.22	14.2	2.36
2070	67.9	4.36	53.6	3.94	38.3	3.5	29.2	3.06	15.5	2.2

**XP13-060-230-08 - CH33-62D-2F + SLP98UH135V60D  
HEATING PERFORMANCE at 1805 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.51	66.6
60	4.42	63.4
55	4.32	60.2
50	4.22	57
47	4.16	55
45	4.09	52.3
40	3.92	45.4
35	3.76	38.5
30	3.7	37.7
25	3.65	37
20	3.6	36.3
17	3.57	35.8
15	3.53	34.6
10	3.44	31.4
5	3.22	27.9
0	3.01	24.5
-5	2.79	21.1
-10	2.58	17.6
-15	2.36	14.2
-20	2.15	10.8

**XP13-060-230-08 - CX34-62C-6F**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1575	59.5	3.87	0.74	0.86	0.98	56.5	4.37	0.75	0.89	1	53	4.93	0.77	0.91	1	49.5	5.58	0.8	0.95	1
	1800	61.5	3.89	0.77	0.9	1	58	4.38	0.78	0.93	1	55	4.95	0.8	0.96	1	51	5.61	0.83	0.99	1
	2025	63	3.9	0.79	0.94	1	59.5	4.4	0.81	0.97	1	56	4.97	0.84	0.99	1	52.5	5.61	0.87	1	1
67°F	1575	63	3.9	0.59	0.71	0.83	60	4.4	0.6	0.73	0.85	56.5	4.96	0.61	0.75	0.88	52.5	5.61	0.63	0.77	0.91
	1800	65	3.91	0.61	0.74	0.87	61.5	4.41	0.62	0.76	0.89	58	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.81	0.96
	2025	66.5	3.92	0.62	0.77	0.9	63	4.42	0.64	0.79	0.93	59	4.99	0.65	0.81	0.96	55	5.64	0.67	0.85	1
71°F	1575	66	3.92	0.46	0.58	0.69	63	4.42	0.46	0.59	0.7	59.5	4.99	0.47	0.6	0.73	55.5	5.64	0.48	0.61	0.74
	1800	68.5	3.94	0.47	0.59	0.72	64.5	4.43	0.47	0.6	0.73	61	5.01	0.48	0.62	0.75	56.5	5.66	0.49	0.64	0.79
	2025	70	3.94	0.47	0.61	0.74	66.5	4.45	0.48	0.62	0.76	62.5	5.02	0.49	0.64	0.79	58	5.67	0.5	0.66	0.82

**XP13-060-230-08 - CX34-62C-6F**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1575	66.2	4.33	51.4	3.99	35.6	3.63	26.3	3.27	13	2.43
1800	67.1	4.16	52.3	3.82	36.5	3.47	27.1	3.11	13.9	2.27
2025	67.8	4.04	53	3.7	37.3	3.35	27.9	2.99	14.6	2.15

**XP13-060-230-08 - CX34-62C-6F  
HEATING PERFORMANCE at 1800 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.16	67.1
60	4.08	63.7
55	4.01	60.4
50	3.93	57.1
47	3.89	55.1
45	3.82	52.3
40	3.67	45.3
35	3.52	38.3
30	3.49	37.4
25	3.47	36.5
20	3.44	35.6
17	3.43	35.1
15	3.4	33.8
10	3.32	30.5
5	3.11	27.1
0	2.9	23.8
-5	2.69	20.5
-10	2.48	17.2
-15	2.27	13.9
-20	2.06	10.5

**XP13-060-230-08 - CX34-62C-6F + SL280UH090V60C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																							
		85°F						95°F						105°F						115°F					
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)						
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb						
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F			
63°F	1575	59.5	3.87	0.73	0.86	0.98	56.5	4.37	0.75	0.88	1	53	4.93	0.77	0.91	1	49.5	5.58	0.79	0.94	1				
	1815	61.5	3.89	0.76	0.9	1	58.5	4.38	0.78	0.93	1	55	4.95	0.8	0.96	1	51	5.61	0.83	0.99	1				
	2000	63	3.9	0.79	0.93	1	59.5	4.39	0.81	0.96	1	56	4.96	0.83	0.99	1	52	5.61	0.87	1	1				
67°F	1575	63	3.9	0.59	0.71	0.83	59.5	4.4	0.6	0.72	0.85	56	4.96	0.61	0.74	0.87	52.5	5.61	0.62	0.77	0.91				
	1815	65	3.91	0.61	0.74	0.87	61.5	4.41	0.62	0.76	0.89	58	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.81	0.96				
	2000	66	3.92	0.62	0.76	0.9	63	4.42	0.64	0.78	0.93	59	4.99	0.65	0.81	0.96	55	5.64	0.67	0.84	1				
71°F	1575	66	3.92	0.45	0.57	0.68	63	4.42	0.46	0.58	0.7	59	4.99	0.47	0.59	0.72	55	5.64	0.47	0.61	0.74				
	1815	68.5	3.93	0.47	0.59	0.72	65	4.43	0.47	0.6	0.73	61	5.01	0.48	0.62	0.75	57	5.66	0.49	0.64	0.79				
	2000	69.5	3.94	0.47	0.61	0.74	66	4.45	0.48	0.62	0.76	62	5.02	0.49	0.64	0.79	58	5.67	0.5	0.66	0.82				

**XP13-060-230-08 - CX34-62C-6F + SL280UH090V60C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1575	65.8	4.31	51	3.98	35.2	3.62	25.8	3.27	12.7	2.43
1815	66.9	4.14	52.1	3.81	36.3	3.46	26.9	3.1	13.8	2.26
2000	67.8	4.05	53	3.72	37.2	3.36	27.9	3.01	14.7	2.17

**XP13-060-230-08 - CX34-62C-6F + SL280UH090V60C  
HEATING PERFORMANCE at 1815 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.14	66.9
60	4.07	63.5
55	3.99	60.2
50	3.92	56.9
47	3.87	54.9
45	3.81	52.1
40	3.66	45.1
35	3.5	38.1
30	3.48	37.2
25	3.46	36.3
20	3.43	35.4
17	3.42	34.9
15	3.39	33.6
10	3.31	30.2
5	3.1	26.9
0	2.89	23.6
-5	2.68	20.3
-10	2.47	17.1
-15	2.26	13.8
-20	2.05	10.5

**XP13-060-230-08 - CX34-62C-6F + SL280UH110V60C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1560	59	3.87	0.73	0.86	0.98	56	4.37	0.75	0.88	1	53	4.93	0.76	0.91	1	49.5	5.58	0.79	0.94	1
	1810	61.5	3.89	0.77	0.9	1	58.5	4.38	0.78	0.93	1	55	4.95	0.81	0.96	1	51	5.61	0.84	0.99	1
	2015	63	3.9	0.79	0.94	1	59.5	4.4	0.81	0.97	1	56	4.97	0.84	0.99	1	52.5	5.61	0.87	1	1
67°F	1560	62.5	3.9	0.59	0.71	0.82	59.5	4.4	0.6	0.72	0.85	56	4.96	0.61	0.74	0.87	52	5.61	0.62	0.77	0.91
	1810	65	3.91	0.61	0.74	0.87	61.5	4.41	0.62	0.76	0.89	58	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.81	0.96
	2015	66.5	3.92	0.62	0.77	0.9	63	4.42	0.64	0.79	0.93	59	4.99	0.66	0.81	0.96	55	5.64	0.68	0.85	1
71°F	1560	66	3.92	0.46	0.57	0.69	62.5	4.42	0.46	0.58	0.7	59	4.99	0.47	0.59	0.72	55	5.64	0.47	0.61	0.74
	1810	68.5	3.93	0.47	0.59	0.72	65	4.43	0.47	0.6	0.73	61	5.01	0.48	0.62	0.75	57	5.66	0.49	0.64	0.79
	2015	70	3.94	0.48	0.61	0.74	66.5	4.45	0.48	0.62	0.76	62.5	5.02	0.49	0.64	0.79	58	5.67	0.5	0.66	0.82

**XP13-060-230-08 - CX34-62C-6F + SL280UH110V60C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1560	65.7	4.33	51	3.99	35.2	3.64	25.9	3.28	12.6	2.44
1810	67	4.15	52.2	3.82	36.5	3.46	27.1	3.11	13.8	2.26
2015	68	4.05	53.3	3.72	37.6	3.36	28.2	3.01	14.9	2.17

**XP13-060-230-08 - CX34-62C-6F + SL280UH110V60C  
HEATING PERFORMANCE at 1810 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.15	67
60	4.07	63.6
55	4	60.3
50	3.92	57
47	3.88	55
45	3.82	52.2
40	3.66	45.2
35	3.51	38.2
30	3.49	37.4
25	3.46	36.5
20	3.44	35.6
17	3.42	35.1
15	3.39	33.7
10	3.32	30.4
5	3.11	27.1
0	2.9	23.8
-5	2.69	20.5
-10	2.47	17.1
-15	2.26	13.8
-20	2.05	10.5

**XP13-060-230-08 - CX34-62C-6F + SLP98UH090V48C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1580	59.5	3.87	0.73	0.86	0.98	56.5	4.37	0.75	0.89	1	53	4.93	0.77	0.91	1	49.5	5.58	0.8	0.95	1
	1770	61	3.88	0.76	0.9	1	58	4.38	0.78	0.92	1	54.5	4.95	0.8	0.95	1	51	5.61	0.83	0.99	1
	1770	61	3.88	0.76	0.9	1	58	4.38	0.78	0.92	1	54.5	4.95	0.8	0.95	1	51	5.61	0.83	0.99	1
67°F	1580	63	3.9	0.59	0.71	0.83	60	4.4	0.6	0.73	0.85	56.5	4.96	0.61	0.74	0.88	52.5	5.61	0.63	0.77	0.91
	1770	64.5	3.91	0.61	0.74	0.86	61.5	4.41	0.62	0.75	0.89	57.5	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.8	0.95
	1770	64.5	3.91	0.61	0.74	0.86	61.5	4.41	0.62	0.75	0.89	57.5	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.8	0.95
71°F	1580	66	3.92	0.46	0.57	0.69	63	4.42	0.46	0.58	0.7	59.5	4.99	0.47	0.59	0.72	55.5	5.64	0.47	0.61	0.74
	1770	68	3.93	0.47	0.59	0.71	64.5	4.43	0.47	0.6	0.73	61	5	0.48	0.61	0.75	56.5	5.66	0.49	0.63	0.78
	1770	68	3.93	0.47	0.59	0.71	64.5	4.43	0.47	0.6	0.73	61	5	0.48	0.61	0.75	56.5	5.66	0.49	0.63	0.78

**XP13-060-230-08 - CX34-62C-6F + SLP98UH090V48C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1580	65.9	4.32	51.2	3.98	35.5	3.61	26.1	3.25	12.9	2.41
1770	66.9	4.19	52.2	3.84	36.5	3.48	27.1	3.12	13.8	2.27
1770	66.9	4.19	52.2	3.84	36.5	3.48	27.1	3.12	13.8	2.27

**XP13-060-230-08 - CX34-62C-6F + SLP98UH090V48C  
HEATING PERFORMANCE at 1770 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.19	66.9
60	4.11	63.6
55	4.03	60.2
50	3.95	56.9
47	3.91	54.9
45	3.84	52.2
40	3.69	45.2
35	3.53	38.2
30	3.5	37.4
25	3.48	36.5
20	3.45	35.6
17	3.44	35.1
15	3.41	33.8
10	3.33	30.4
5	3.12	27.1
0	2.91	23.8
-5	2.7	20.5
-10	2.49	17.2
-15	2.27	13.8
-20	2.06	10.5



**XP13-060-230-08 - CX34-62C-6F + SLP98UH110V60C**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1565	59.5	3.87	0.73	0.86	0.98	56.5	4.37	0.75	0.88	1	53	4.93	0.77	0.91	1	49.5	5.58	0.79	0.94	1
	1775	61	3.88	0.76	0.9	1	58	4.38	0.78	0.92	1	54.5	4.95	0.8	0.95	1	51	5.61	0.83	0.99	1
	2125	64	3.9	0.81	0.96	1	60.5	4.4	0.83	0.98	1	57	4.97	0.86	1	1	53.5	5.63	0.89	1	1
67°F	1565	63	3.9	0.59	0.71	0.83	59.5	4.4	0.6	0.72	0.85	56	4.96	0.61	0.74	0.87	52.5	5.61	0.62	0.77	0.91
	1775	64.5	3.91	0.61	0.74	0.86	61.5	4.41	0.62	0.75	0.89	57.5	4.98	0.63	0.78	0.92	53.5	5.63	0.65	0.81	0.96
	2125	67	3.93	0.64	0.78	0.93	63.5	4.43	0.65	0.8	0.95	59.5	4.99	0.67	0.83	0.99	55.5	5.65	0.69	0.87	1
71°F	1565	66	3.92	0.46	0.57	0.69	63	4.42	0.46	0.58	0.7	59	4.99	0.47	0.59	0.72	55	5.64	0.47	0.61	0.74
	1775	68	3.93	0.47	0.59	0.71	64.5	4.43	0.47	0.6	0.73	61	5.01	0.48	0.62	0.75	56.5	5.66	0.49	0.63	0.78
	2125	70.5	3.95	0.48	0.62	0.76	67	4.46	0.49	0.64	0.78	63	5.02	0.5	0.66	0.81	58.5	5.68	0.51	0.68	0.84

**XP13-060-230-08 - CX34-62C-6F + SLP98UH110V60C**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1565	65.8	4.33	51.1	3.99	35.4	3.63	26.1	3.27	12.8	2.42
1775	66.9	4.18	52.2	3.84	36.5	3.48	27.1	3.12	13.8	2.27
2125	68.6	4	53.9	3.66	38.2	3.3	28.8	2.94	15.6	2.1

**XP13-060-230-08 - CX34-62C-6F + SLP98UH110V60C  
HEATING PERFORMANCE at 1775 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.18	66.9
60	4.1	63.6
55	4.03	60.3
50	3.95	56.9
47	3.9	55
45	3.84	52.2
40	3.68	45.2
35	3.53	38.2
30	3.5	37.4
25	3.48	36.5
20	3.45	35.6
17	3.44	35.1
15	3.4	33.7
10	3.33	30.4
5	3.12	27.1
0	2.91	23.8
-5	2.69	20.5
-10	2.48	17.2
-15	2.27	13.8
-20	2.06	10.5

**XP13-060-230-08 - CX34-62D-6F + SL280UH135V60D**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1600	59.5	3.84	0.72	0.84	0.96	56.5	4.33	0.74	0.86	0.98	53.5	4.89	0.75	0.89	1	49.5	5.52	0.78	0.92	1
	1835	61.5	3.86	0.75	0.88	1	58.5	4.35	0.77	0.9	1	55	4.9	0.79	0.93	1	51	5.54	0.81	0.97	1
	2105	63	3.88	0.78	0.92	1	60	4.36	0.8	0.95	1	56.5	4.92	0.82	0.98	1	52.5	5.55	0.85	1	1
67°F	1600	62.5	3.87	0.58	0.7	0.81	59.5	4.36	0.59	0.71	0.83	56	4.91	0.6	0.73	0.85	52.5	5.55	0.61	0.75	0.89
	1835	64.5	3.88	0.6	0.72	0.85	61.5	4.37	0.61	0.74	0.87	58	4.93	0.62	0.76	0.9	54	5.57	0.64	0.79	0.93
	2105	66.5	3.9	0.62	0.75	0.89	63	4.39	0.63	0.77	0.91	59.5	4.95	0.65	0.8	0.95	55	5.58	0.66	0.83	0.98
71°F	1600	65	3.89	0.46	0.57	0.68	62	4.38	0.46	0.58	0.69	58.5	4.94	0.47	0.59	0.71	54.5	5.57	0.47	0.6	0.73
	1835	67.5	3.9	0.46	0.59	0.7	64	4.4	0.47	0.6	0.72	60.5	4.95	0.48	0.61	0.74	56.5	5.59	0.48	0.63	0.76
	2105	69	3.92	0.48	0.61	0.73	66	4.41	0.48	0.62	0.75	62	4.98	0.49	0.63	0.77	58	5.61	0.5	0.65	0.8

**XP13-060-230-08 - CX34-62D-6F + SL280UH135V60D**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1600	64.3	4.42	50.6	4.09	35.8	3.74	27.3	3.38	13.3	2.51
1835	65.4	4.25	51.6	3.92	36.9	3.57	28.3	3.22	14.3	2.34
2105	66.5	4.12	52.8	3.79	38	3.43	29.4	3.08	15.4	2.21

**XP13-060-230-08 - CX34-62D-6F + SL280UH135V60D  
HEATING PERFORMANCE at 1835 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.25	65.4
60	4.18	62.3
55	4.1	59.3
50	4.03	56.2
47	3.99	54.4
45	3.92	51.6
40	3.76	44.7
35	3.61	37.8
30	3.59	37.4
25	3.57	36.9
20	3.55	36.4
17	3.54	36.1
15	3.51	34.9
10	3.44	31.8
5	3.22	28.3
0	3	24.8
-5	2.78	21.3
-10	2.56	17.8
-15	2.34	14.3
-20	2.12	10.8

**XP13-060-230-08 - CX34-62D-6F + SLP98UH135V60D**

Entering Wet Bulb Temper- ature	Total Air Volume	Outdoor Air Temperature Entering Outdoor Coil																			
		85°F					95°F					105°F					115°F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T)		
				Dry Bulb					Dry Bulb					Dry Bulb					Dry Bulb		
		cfm	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F	85°F	kBtuh	kW	75°F	80°F
63°F	1565	59	3.84	0.72	0.84	0.96	56	4.33	0.73	0.86	0.98	53	4.88	0.75	0.88	1	49.5	5.52	0.77	0.91	1
	1805	61	3.86	0.74	0.87	1	58	4.34	0.76	0.9	1	55	4.9	0.78	0.93	1	51	5.53	0.81	0.96	1
	2070	63	3.87	0.77	0.92	1	60	4.36	0.79	0.94	1	56.5	4.92	0.82	0.97	1	52.5	5.55	0.85	1	1
67°F	1565	62	3.87	0.58	0.7	0.81	59	4.35	0.59	0.71	0.83	55.5	4.91	0.6	0.72	0.85	52	5.54	0.61	0.75	0.88
	1805	64	3.88	0.6	0.72	0.84	61	4.37	0.61	0.74	0.87	57.5	4.93	0.62	0.76	0.89	53.5	5.57	0.64	0.78	0.93
	2070	66	3.89	0.62	0.75	0.88	63	4.39	0.63	0.77	0.91	59	4.95	0.64	0.79	0.94	55	5.58	0.66	0.82	0.98
71°F	1565	65	3.88	0.46	0.57	0.67	62	4.38	0.46	0.58	0.69	58.5	4.94	0.47	0.59	0.7	54.5	5.57	0.47	0.6	0.72
	1805	67	3.9	0.46	0.59	0.7	63.5	4.4	0.47	0.59	0.71	60	4.95	0.48	0.61	0.73	56	5.59	0.48	0.62	0.76
	2070	69	3.92	0.48	0.6	0.73	65.5	4.41	0.48	0.62	0.75	62	4.97	0.49	0.63	0.77	57.5	5.6	0.5	0.65	0.8

**XP13-060-230-08 - CX34-62D-6F + SLP98UH135V60D**

Indoor Coil Air Volume 70°F Dry Bulb	Air Temperature Entering Outdoor Coil									
	65°F		45°F		25°F		5°F		-15°F	
	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input	Total Heating Capacity	Comp. Motor Input
	cfm	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh	kW	kBtuh
1565	64.1	4.45	50.4	4.12	35.7	3.75	27.1	3.4	13.2	2.52
1805	65.2	4.28	51.5	3.94	36.8	3.58	28.3	3.23	14.3	2.35
2070	66.5	4.15	52.8	3.81	38	3.45	29.5	3.09	15.5	2.21

**XP13-060-230-08 - CX34-62D-6F + SLP98UH135V60D  
HEATING PERFORMANCE at 1805 cfm Indoor Coil Air Volume**

Outdoor Temperature °F	Compressor Motor Input kW	Total Output kBtuh
65	4.28	65.2
60	4.21	62.2
55	4.13	59.2
50	4.05	56.1
47	4.01	54.3
45	3.94	51.5
40	3.78	44.6
35	3.62	37.7
30	3.6	37.3
25	3.58	36.8
20	3.56	36.3
17	3.55	36
15	3.52	34.8
10	3.44	31.7
5	3.23	28.3
0	3.01	24.8
-5	2.79	21.3
-10	2.57	17.8
-15	2.35	14.3
-20	2.13	10.8