Design Conditions	
Indoor Entering Wet Bulb Temperature (F):	Outdoor Dry Bulb Temperature (F):
Indoor Air Volume (CFM):	Indoor Entering Dry Bulb Temperature (F):
Cooling capacity calculation results:	
Total cooling capacity (kBTUH) :	Sensible to Total Ratio (S/T):
Sensible cooling capacity (kBTUH) :	Latent cooling capacity (kBTUH):
Heating mode outdoor temperature:	
Heating capacity calculation results:	

XC20-024-230A - CR33-48B-F + EL296DF045XV36B - Cooling Performance (Minimum Capacity)**

Note: information based upon published performance data dated - Monday, March 30, 2015

Entering Wet Bulb Temperature	Total Air Volume	75° F					85° F					95° F					105° F				
		Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T) ---- Dry Bulb			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T) ---- Dry Bulb			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T) ---- Dry Bulb			Total Cool Cap.	Comp Motor Input	Sensible to Total Ratio (S/T) ---- 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
59° F	185	7.7	0.33	.88	1.00	1.00	7.4	0.38	.90	1.00	1.00	7.1	0.43	.93	1.00	1.00	6.8	0.51	.95	1.00	1.00
	375	9.8	0.29	1.00	1.00	1.00	9.4	0.34	1.00	1.00	1.00	9.0	0.40	1.00	1.00	1.00	8.6	0.48	1.00	1.00	1.00
	400	10.0	0.29	1.00	1.00	1.00	9.6	0.34	1.00	1.00	1.00	9.1	0.39	1.00	1.00	1.00	8.7	0.47	1.00	1.00	1.00
63° F	185	8.1	0.32	.72	.84	.96	7.7	0.38	.73	.86	.99	7.4	0.43	.75	.89	1.00	7.0	0.50	.77	.91	1.00
	375	9.8	0.29	.91	1.00	1.00	9.4	0.34	.94	1.00	1.00	9.0	0.40	.97	1.00	1.00	8.6	0.48	1.00	1.00	1.00
	400	10.0	0.28	.93	1.00	1.00	9.5	0.34	.96	1.00	1.00	9.1	0.39	.99	1.00	1.00	8.7	0.47	1.00	1.00	1.00
67° F	185	8.7	0.31	.58	.69	.81	8.3	0.37	.58	.71	.83	7.8	0.42	.59	.72	.85	7.4	0.50	.60	.74	.87
	375	10.1	0.28	.69	.89	1.00	9.6	0.34	.71	.91	1.00	9.1	0.39	.73	.95	1.00	8.6	0.48	.75	.98	1.00
	400	10.2	0.28	.70	.91	1.00	9.7	0.34	.72	.94	1.00	9.2	0.39	.74	.97	1.00	8.7	0.47	.77	1.00	1.00
71° F	185	9.2	0.30	.45	.56	.67	8.7	0.36	.45	.57	.68	8.3	0.41	.45	.58	.70	7.9	0.49	.45	.59	.71
	375	10.7	0.27	.50	.68	.86	10.2	0.33	.51	.70	.89	9.7	0.38	.52	.73	.92	9.2	0.47	.52	.75	.96
	400	10.8	0.27	.50	.69	.88	10.2	0.32	.51	.71	.91	9.7	0.38	.52	.74	.95	9.2	0.47	.53	.76	.98

XC20-024-230A - CR33-48B-F + EL296DF045XV36B - Cooling Performance (Intermediate Capacity)**

Note: information based upon published performance data dated - Monday, March 30, 2015

Entering Wet Bulb Temperature	Total Air Volume	75° F					85° F					95° F					105° F					115° F				
		Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ------ Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ------ Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ------ Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ------ Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ------ 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	kBtuh	kW	75° F	80° F	85° F
59° F	260	11.4	0.58	.83	.94	1.00	11.0	0.69	.84	.96	1.00	10.5	0.79	.86	.98	1.00	10.0	0.91	.88	1.00	1.00	9.5	1.07	.91	1.00	1.00
	515	14.4	0.55	1.00	1.00	1.00	13.9	0.65	1.00	1.00	1.00	13.3	0.76	1.00	1.00	1.00	12.7	0.89	1.00	1.00	1.00	12.0	1.06	1.00	1.00	1.00
	570	14.8	0.54	1.00	1.00	1.00	14.2	0.65	1.00	1.00	1.00	13.7	0.75	1.00	1.00	1.00	13.0	0.88	1.00	1.00	1.00	12.3	1.06	1.00	1.00	1.00
63° F	260	12.2	0.57	.69	.79	.90	11.7	0.68	.70	.81	.92	11.1	0.78	.71	.82	.94	10.6	0.90	.72	.84	.96	9.9	1.07	.74	.87	.99
	515	14.4	0.55	.82	.99	1.00	13.9	0.65	.85	1.00	1.00	13.3	0.76	.87	1.00	1.00	12.7	0.89	.90	1.00	1.00	12.0	1.06	.93	1.00	1.00
	570	14.8	0.54	.85	1.00	1.00	14.3	0.65	.88	1.00	1.00	13.7	0.76	.90	1.00	1.00	13.0	0.88	.93	1.00	1.00	12.3	1.06	.97	1.00	1.00
67° F	260	12.9	0.56	.56	.66	.76	12.4	0.67	.56	.67	.77	11.9	0.77	.56	.68	.79	11.3	0.90	.57	.69	.81	10.6	1.07	.58	.71	.83
	515	15.2	0.54	.64	.80	.96	14.6	0.65	.65	.82	.98	13.9	0.75	.67	.85	1.00	13.1	0.88	.68	.87	1.00	12.3	1.05	.70	.91	1.00
	570	15.5	0.53	.66	.83	.99	14.8	0.64	.67	.85	1.00	14.1	0.75	.69	.88	1.00	13.3	0.88	.70	.91	1.00	12.5	1.05	.73	.95	1.00
71° F	260	13.6	0.56	.44	.54	.63	13.1	0.66	.44	.54	.64	12.5	0.77	.44	.55	.65	11.9	0.89	.44	.56	.67	11.2	1.06	.45	.57	.68
	515	16.1	0.52	.47	.63	.78	15.4	0.63	.48	.64	.80	14.7	0.74	.48	.66	.82	13.9	0.87	.49	.67	.85	13.0	1.05	.50	.69	.88
	570	16.3	0.52	.48	.65	.81	15.6	0.63	.48	.66	.83	14.9	0.74	.49	.67	.86	14.1	0.87	.50	.69	.88	13.2	1.05	.51	.72	.92

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XC20-024-230A - CR33-48B-F + EL296DF045XV36B - Cooling Performance (Maximum Capacity)**

Note: information based upon published performance data dated - Monday, March 30, 2015

Entering	Total	85° F			95° F			105° F			115° F			125° F		

Wet Bulb Temperature	Air Volume	Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ---------- Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ---------- Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ---------- Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ---------- Dry Bulb			Total Cool Cap	Comp Motor Input	Sensible to Total Ratio (S/T) ---------- 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	kBtuh	kW	75° F	80° F	85° F
59° F	425	19.4	1.34	.82	.93	1.00	18.6	1.54	.83	.95	1.00	17.8	1.75	.85	.97	1.00	16.8	2.02	.87	.99	1.00	15.8	2.34	.90	1.00	1.00
	800	24.0	1.30	.98	1.00	1.00	23.0	1.50	1.00	1.00	1.00	22.0	1.72	1.00	1.00	1.00	20.8	1.98	1.00	1.00	1.00	19.3	2.29	1.00	1.00	1.00
	900	24.8	1.29	1.00	1.00	1.00	23.8	1.49	1.00	1.00	1.00	22.8	1.71	1.00	1.00	1.00	21.4	1.97	1.00	1.00	1.00	19.9	2.29	1.00	1.00	1.00
63° F	425	20.6	1.33	.68	.78	.89	19.8	1.52	.69	.80	.90	18.9	1.75	.70	.81	.92	17.8	2.00	.71	.83	.95	16.6	2.33	.73	.86	.99
	800	24.4	1.29	.79	.95	1.00	23.2	1.49	.81	.97	1.00	22.0	1.72	.83	.99	1.00	20.8	1.98	.86	1.00	1.00	19.3	2.29	.90	1.00	1.00
	900	25.0	1.28	.83	.98	1.00	23.8	1.49	.85	1.00	1.00	22.8	1.71	.88	1.00	1.00	21.4	1.97	.90	1.00	1.00	19.9	2.28	.95	1.00	1.00
67° F	425	22.0	1.32	.55	.65	.75	21.0	1.51	.56	.66	.76	20.0	1.73	.56	.67	.78	19.0	1.99	.57	.68	.80	17.6	2.32	.58	.71	.83
	800	25.8	1.28	.62	.77	.91	24.6	1.48	.63	.79	.94	23.2	1.70	.65	.81	.96	21.8	1.97	.66	.84	1.00	20.0	2.28	.69	.88	1.00
	900	26.4	1.27	.64	.80	.95	25.2	1.47	.66	.82	.98	23.8	1.70	.67	.85	1.00	22.2	1.96	.69	.88	1.00	20.4	2.28	.72	.92	1.00
71° F	425	23.2	1.31	.44	.53	.63	22.2	1.50	.44	.54	.63	21.2	1.73	.44	.54	.64	20.0	1.99	.44	.55	.66	18.6	2.30	.45	.56	.68
	800	27.2	1.26	.46	.61	.74	26.0	1.46	.47	.62	.76	24.6	1.69	.48	.63	.79	23.0	1.95	.49	.65	.82	21.2	2.26	.49	.68	.86
	900	27.8	1.25	.48	.63	.78	26.6	1.45	.48	.64	.80	25.2	1.68	.49	.66	.83	23.4	1.94	.50	.68	.86	21.4	2.25	.52	.71	.90

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