



XC13
EXPANDED RATING TABLES
(SL280)

PRODUCT SPECIFICATIONS

April 2012
Bulletin No. 210431R1



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.

XC13-042-230-03 - CR33-30/36B-F + SL280DF090V48B-3

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	41.5	2.46	0.76	0.9	1	39.5	2.79	0.78	0.92	1	37.4	3.18	0.8	0.94	1	35.2	3.63	0.82	0.97	1
	1400	43	2.48	0.8	0.94	1	41	2.81	0.82	0.97	1	38.5	3.2	0.84	0.99	1	36.2	3.65	0.87	1	1
	1545	43.5	2.49	0.82	0.97	1	41.5	2.82	0.84	0.99	1	39.5	3.21	0.87	1	1	37	3.67	0.9	1	1
67°F	1200	44	2.49	0.61	0.74	0.87	41.5	2.82	0.62	0.75	0.89	39.5	3.21	0.63	0.77	0.91	37	3.67	0.64	0.8	0.94
	1400	45	2.51	0.63	0.78	0.91	43	2.84	0.64	0.79	0.94	40.5	3.24	0.66	0.82	0.96	38	3.7	0.67	0.84	0.99
	1545	46	2.52	0.65	0.8	0.94	43.5	2.85	0.66	0.82	0.97	41	3.25	0.68	0.85	0.99	38.5	3.71	0.69	0.87	1
71°F	1200	46	2.52	0.46	0.59	0.71	44	2.86	0.47	0.6	0.73	41.5	3.26	0.47	0.61	0.75	39	3.72	0.48	0.63	0.78
	1400	47	2.54	0.48	0.62	0.75	45	2.89	0.48	0.63	0.77	42.5	3.28	0.49	0.64	0.79	40	3.75	0.5	0.66	0.82
	1545	48	2.56	0.49	0.64	0.78	45.5	2.9	0.49	0.65	0.8	43	3.3	0.5	0.67	0.83	40.5	3.77	0.51	0.69	0.85

XC13-042-230-03 - CR33-48B-F + SL280DF090V48B-3

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	41.5	2.46	0.75	0.88	0.99	39.5	2.79	0.76	0.9	1	37.2	3.17	0.78	0.92	1	34.8	3.63	0.8	0.95	1
	1400	42.5	2.47	0.78	0.92	1	40.5	2.8	0.8	0.95	1	38.5	3.19	0.82	0.97	1	36	3.65	0.84	1	1
	1545	43.5	2.48	0.8	0.95	1	41	2.81	0.82	0.98	1	39	3.21	0.84	0.99	1	36.8	3.67	0.87	1	1
67°F	1200	43.5	2.49	0.6	0.73	0.84	41.5	2.82	0.61	0.74	0.87	39.5	3.21	0.62	0.76	0.89	37	3.67	0.64	0.78	0.92
	1400	45	2.51	0.62	0.76	0.89	43	2.84	0.63	0.78	0.91	40.5	3.24	0.65	0.79	0.94	38	3.7	0.66	0.82	0.97
	1545	45.5	2.52	0.64	0.78	0.92	43.5	2.85	0.65	0.8	0.95	41	3.25	0.66	0.82	0.97	38.5	3.71	0.68	0.85	1
71°F	1200	46	2.52	0.45	0.59	0.7	44	2.86	0.46	0.6	0.72	41.5	3.26	0.47	0.61	0.74	39	3.73	0.47	0.62	0.76
	1400	47.5	2.55	0.47	0.61	0.74	45	2.89	0.48	0.62	0.75	42.5	3.29	0.49	0.63	0.77	40	3.75	0.49	0.65	0.8
	1545	48	2.56	0.48	0.63	0.76	46	2.9	0.49	0.64	0.78	43.5	3.3	0.5	0.65	0.8	40.5	3.77	0.51	0.67	0.83

XC13-042-230-04 - CR33-30/36B-F + SL280DF090V48B-3

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	41.5	2.46	0.76	0.9	1	39.5	2.79	0.78	0.92	1	37.4	3.18	0.8	0.94	1	35.2	3.63	0.82	0.97	1
	1400	43	2.48	0.8	0.94	1	41	2.81	0.82	0.97	1	38.5	3.2	0.84	0.99	1	36.2	3.65	0.87	1	1
	1545	43.5	2.49	0.82	0.97	1	41.5	2.82	0.84	0.99	1	39.5	3.21	0.87	1	1	37	3.67	0.9	1	1
67°F	1200	44	2.49	0.61	0.74	0.87	41.5	2.82	0.62	0.75	0.89	39.5	3.21	0.63	0.77	0.91	37	3.67	0.64	0.8	0.94
	1400	45	2.51	0.63	0.78	0.91	43	2.84	0.64	0.79	0.94	40.5	3.24	0.66	0.82	0.96	38	3.7	0.67	0.84	0.99
	1545	46	2.52	0.65	0.8	0.94	43.5	2.85	0.66	0.82	0.97	41	3.25	0.68	0.85	0.99	38.5	3.71	0.69	0.87	1
71°F	1200	46	2.52	0.46	0.59	0.71	44	2.86	0.47	0.6	0.73	41.5	3.26	0.47	0.61	0.75	39	3.72	0.48	0.63	0.78
	1400	47	2.54	0.48	0.62	0.75	45	2.89	0.48	0.63	0.77	42.5	3.28	0.49	0.64	0.79	40	3.75	0.5	0.66	0.82
	1545	48	2.56	0.49	0.64	0.78	45.5	2.9	0.49	0.65	0.8	43	3.3	0.5	0.67	0.83	40.5	3.77	0.51	0.69	0.85

XC13-042-230-04 - CR33-48B-F + SL280DF090V48B-3

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	41.5	2.46	0.75	0.88	0.99	39.5	2.79	0.76	0.9	1	37.2	3.17	0.78	0.92	1	34.8	3.63	0.8	0.95	1
	1400	42.5	2.47	0.78	0.92	1	40.5	2.8	0.8	0.95	1	38.5	3.19	0.82	0.97	1	36	3.65	0.84	1	1
	1545	43.5	2.48	0.8	0.95	1	41	2.81	0.82	0.98	1	39	3.21	0.84	0.99	1	36.8	3.67	0.87	1	1
67°F	1200	43.5	2.49	0.6	0.73	0.84	41.5	2.82	0.61	0.74	0.87	39.5	3.21	0.62	0.76	0.89	37	3.67	0.64	0.78	0.92
	1400	45	2.51	0.62	0.76	0.89	43	2.84	0.63	0.78	0.91	40.5	3.24	0.65	0.79	0.94	38	3.7	0.66	0.82	0.97
	1545	45.5	2.52	0.64	0.78	0.92	43.5	2.85	0.65	0.8	0.95	41	3.25	0.66	0.82	0.97	38.5	3.71	0.68	0.85	1
71°F	1200	46	2.52	0.45	0.59	0.7	44	2.86	0.46	0.6	0.72	41.5	3.26	0.47	0.61	0.74	39	3.73	0.47	0.62	0.76
	1400	47.5	2.55	0.47	0.61	0.74	45	2.89	0.48	0.62	0.75	42.5	3.29	0.49	0.63	0.77	40	3.75	0.49	0.65	0.8
	1545	48	2.56	0.48	0.63	0.76	46	2.9	0.49	0.64	0.78	43.5	3.3	0.5	0.65	0.8	40.5	3.77	0.51	0.67	0.83