

CFC/CFY STEAM				
Steam Coil (1) Row (10) Fins Per Inch				
Opposite End Supply/Return				
Model		Temp. Rise °F	Capacity mbtu/hr	Condensate lbs/hr
CFC1060S	CFY1060S	36	291	302.7
CFC1072S	CFY1072S	38	336	349.4
CFC1084S	CFY1084S	39	378	393.0
CFC1096S	CFY1096S	37	459	478.0
CFC1108S	CFY1108S	37	511	531.6
CFC1120S	CFY1120S	35	588	612.3
CFC1132S	CFY1132S	36	636	661.9
CFC1144S	CFY1144S	35	722	751.4
CFC1156S	CFY1156S	35	771	802.2
CFC1168S	CFY1168S	34	850	884.2
CFC1180S	CFY1180S	36	883	919.3
CFC2192S	CFY1192S	37	917	954.8

Performance based on 5# Steam

* For other steam pressures - see chart on reverse side.
 Berner recommends that maximum Leaving Air Temperature (L.A.T.) never exceed 120°F.
 All coils should be supplied by a solenoid valve that energizes coil only when air curtain is on.

Berner reserves the right to alter specifications without prior notice.

CONSTANTS FOR OBTAINING TEMPERATURE RISE AT VARIOUS STEAM PRESSURES & INLET TEMPERATURES

Steam Pressures in Pounds per Square Inch (Gauge)

ENTERING AIR TEMPERATURE °F	Steam Pressures in Pounds per Square Inch (Gauge)															
	0	2	5	10	15	20	30	40	50	60	80	100	125	150	175	200
-30	1.54	1.59	1.64	1.71	1.78	1.84	1.94	2.02	2.10	2.16	2.25	2.34	2.44	2.52	2.59	2.67
-20	1.48	1.52	1.57	1.65	1.72	1.77	1.87	1.95	2.02	2.08	2.19	2.28	2.37	2.46	2.53	2.59
-10	1.41	1.45	1.51	1.59	1.65	1.71	1.81	1.89	1.96	2.02	2.12	2.21	2.31	2.39	2.46	2.53
00	1.35	1.39	1.45	1.54	1.59	1.65	1.74	1.82	1.89	1.96	2.06	2.15	2.25	2.33	2.40	2.47
10	1.28	1.33	1.38	1.46	1.52	1.58	1.68	1.76	1.83	1.89	2.00	2.09	2.18	2.26	2.34	2.40
20	1.22	1.26	1.31	1.40	1.46	1.52	1.62	1.70	1.77	1.83	1.93	2.02	2.12	2.20	2.27	2.34
30	1.16	1.20	1.25	1.33	1.40	1.46	1.55	1.63	1.70	1.76	1.87	1.96	2.05	2.14	2.21	2.28
40	1.09	1.14	1.19	1.27	1.33	1.39	1.49	1.57	1.64	1.70	1.81	1.89	1.99	2.07	2.15	2.22
45	1.06	1.10	1.16	1.24	1.30	1.36	1.46	1.54	1.61	1.67	1.77	1.86	1.96	2.04	2.12	2.18
50	1.03	1.07	1.13	1.21	1.27	1.33	1.42	1.51	1.58	1.64	1.74	1.83	1.93	2.01	2.08	2.15
55	1.00	1.04	1.10	1.17	1.24	1.30	1.39	1.47	1.54	1.61	1.71	1.80	1.89	1.98	2.05	2.12
60	0.97	1.01	1.06	1.14	1.21	1.26	1.36	1.44	1.51	1.57	1.68	1.77	1.86	1.95	2.02	2.09
65	0.93	0.98	1.03	1.11	1.17	1.23	1.33	1.41	1.48	1.54	1.65	1.74	1.83	1.91	1.99	2.05
70	0.90	0.95	1.00	1.08	1.14	1.20	1.30	1.38	1.45	1.51	1.62	1.70	1.80	1.88	1.96	2.02
75	0.87	0.91	0.97	1.05	1.11	1.17	1.27	1.35	1.42	1.48	1.59	1.67	1.77	1.85	1.92	1.99
80	0.84	0.88	0.94	1.01	1.08	1.14	1.24	1.32	1.39	1.45	1.55	1.64	1.74	1.82	1.89	1.96
85	0.81	0.85	0.90	0.98	1.05	1.11	1.20	1.28	1.35	1.41	1.52	1.61	1.71	1.79	1.86	1.93
90	0.78	0.82	0.87	0.95	1.02	1.07	1.17	1.25	1.32	1.38	1.49	1.58	1.67	1.76	1.83	1.89
100	0.71	0.75	0.81	0.89	0.95	1.00	1.11	1.19	1.26	1.32	1.42	1.51	1.61	1.69	1.77	1.83
110	0.65	0.69	0.75	0.82	0.89	0.95	1.04	1.12	1.20	1.26	1.36	1.45	1.55	1.63	1.70	1.77
120	0.59	0.63	0.68	0.76	0.83	0.88	0.98	1.06	1.13	1.19	1.30	1.40	1.48	1.56	1.64	1.71
140	0.46	0.50	0.55	0.63	0.70	0.76	0.85	0.93	1.00	1.07	1.17	1.26	1.35	1.44	1.51	1.58
160	0.33	0.37	0.43	0.50	0.57	0.63	0.73	0.81	0.88	0.94	1.04	1.13	1.23	1.31	1.38	1.45
180	0.20	0.24	0.30	0.38	0.44	0.50	0.60	0.68	0.75	0.81	0.91	1.00	1.10	1.18	1.26	1.32
200	0.08	0.12	0.17	0.25	0.32	0.37	0.47	0.55	0.62	0.68	0.79	0.88	0.97	1.06	1.13	1.20

$$T = T^{\circ} + \Delta t \times C$$

T = Temperature at exit

T[°] = Temperature at intake

Δ t = Temperature rise from data sheet

C = Constant from above table