



<b>CFA/CFX STEAM</b>			
<b>Steam Coil (1) Row (10) Fins Per Inch</b>			
<b>Opposite End Supply/Return</b>			
<b>Model</b>	<b>Temp. Rise °F</b>	<b>Capacity mbtu/hr</b>	<b>Condensate lbs/hr</b>
CFA/CFX1060S	39	223	232.3
CFA/CFX1072S	39	264	275.3
CFA/CFX1084S	41	298	310.5
CFA/CFX1096S	38	363	378.2
CFA/CFX1108S	38	404	421.4
CFA/CFX1120S	35	471	490.9
CFA/CFX1132S	37	509	530.8
CFA/CFX1144S	38	539	561.3
CFA/CFX1156S	39	569	593.1
CFA/CFX1168S	38	627	653.6
CFA/CFX1180S	39	669	696.7
CFA/CFX1192S	40	772	756.5

Performance based on 70°F Entering Air Temperature (E.A.T.) and 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)

	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	<b>1.00</b>	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<sup>°</sup> = Temperature at intake

Δ t = Temperature rise from data sheet

C = Constant from above table