

EWD STEAM			
Steam Coil (1) Row (10) Fins Per Inch			
Same End & Opposite End Supply/Return			
Model	Temp. Rise °F	Capacity mbtu/hr	Condensate lbs/hr
EWD1096S	38	837	872
EWD1108S	39	903	940
EWD1120S	38	1012	1053
EWD1132S	40	1089	1134
EWD1144S	41	1148	1194
EWD1156S	42	1198	1247
EWD1168S	38	1415	1473
EWD1180S	39	1472	1532
EWD1192S	37	1627	1693

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)

ENTERING AIR TEMPERATURE °F	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