



# RATINGS CHART – COMMERCIAL BASEBOARD

## F & EM SERIES

**RATINGS FOR  
CONDENSING  
BOILERS**

Model Number	Enclosure Height	Element Type	Tube Size and Material	Fin Size and Material	Fins Per Foot	Steam 1 PSI* Btu./Hr. Per Foot	HOT WATER RATINGS* BTU/HR./FT. (Flow Rate 3 Ft./Sec.)											
							110°F	120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F	220°F
F-5	4 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	1250	250	325	413	500	563	663	763	862	975	1075	1188	1313
		S-540	1 1/4" steel	4 1/4" steel	40	1340	268	348	442	536	603	710	817	925	1045	1152	1273	1407
		S-832	2" steel	4 1/4" steel	32	1280	256	333	422	512	576	678	781	883	998	1101	1216	1344
		C-340	3/4" copper	4 1/4" alum.	40	1560	312	406	515	624	702	827	951	1077	1217	1341	1482	1638
		C-440	1" copper	4 1/4" alum.	40	1650	330	429	545	660	743	875	1007	1139	1287	1419	1568	1733
		C-540	1 1/4" copper	4 1/4" alum.	40	1620	324	421	535	648	729	859	988	1118	1264	1393	1539	1701
F-12 Two-tier element	11 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	2070	414	538	683	828	932	1097	1263	1428	1615	1780	1967	2174
		S-540	1 1/4" steel	4 1/4" steel	40	2160	432	562	713	864	972	1145	1318	1490	1685	1858	2052	2268
		S-832	2" steel	4 1/4" steel	32	2090	418	544	690	836	941	1108	1275	1442	1630	1797	1986	2195
		C-340	3/4" copper	4 1/4" alum.	40	2600	520	676	858	1040	1170	1378	1586	1794	2028	2236	2470	2730
		C-440	1" copper	4 1/4" alum.	40	2750	550	715	908	1100	1238	1458	1678	1897	2145	2365	2613	2888
		C-540	1 1/4" copper	4 1/4" alum.	40	2700	540	702	891	1080	1215	1431	1647	1863	2106	2322	2565	2835
F-19 Three-tier element	18 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	2580	516	671	851	1032	1161	1367	1574	1780	2012	2219	2451	2709
		S-540	1 1/4" steel	4 1/4" steel	40	2690	538	700	888	1076	1211	1426	1641	1856	2098	2313	2556	2825
		S-832	2" steel	4 1/4" steel	32	2610	522	679	861	1044	1175	1383	1592	1801	2036	2245	2480	2741
		C-340	3/4" copper	4 1/4" alum.	40	3139	628	816	1036	1256	1413	1664	1915	2166	2449	2700	2982	3296
		C-440	1" copper	4 1/4" alum.	40	3330	666	866	1099	1332	1499	1765	2031	2298	2597	2864	3164	3497
		C-540	1 1/4" copper	4 1/4" alum.	40	3260	652	848	1076	1304	1467	1728	1989	2249	2543	2804	3097	3423
EM-5	4 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	1290	258	336	426	516	581	684	787	890	1006	1109	1226	1355
		S-540	1 1/4" steel	4 1/4" steel	40	1370	274	356	452	548	617	726	836	945	1069	1178	1302	1439
		S-832	2" steel	4 1/4" steel	32	1310	262	341	432	524	590	694	799	904	1022	1127	1245	1376
		C-340	3/4" copper	4 1/4" alum.	40	1656	331	431	547	663	745	878	1010	1143	1292	1424	1574	1739
		C-440	1" copper	4 1/4" alum.	40	1750	350	455	578	700	788	928	1068	1208	1365	1505	1663	1838
		C-540	1 1/4" copper	4 1/4" alum.	40	1720	344	447	568	688	774	912	1049	1187	1342	1479	1634	1806
EM-12 Two-tier element	11 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	2270	454	590	749	908	1022	1203	1385	1566	1771	1952	2157	2384
		S-540	1 1/4" steel	4 1/4" steel	40	2390	478	622	789	956	1076	1267	1458	1649	1864	2055	2271	2510
		S-832	2" steel	4 1/4" steel	32	2290	458	596	756	916	1031	1214	1397	1580	1786	1969	2176	2405
		C-340	3/4" copper	4 1/4" alum.	40	2918	584	759	963	1167	1314	1547	1780	2014	2276	2510	2772	3064
		C-440	1" copper	4 1/4" alum.	40	3090	618	804	1020	1236	1391	1638	1885	2132	2410	2657	2936	3245
		C-540	1 1/4" copper	4 1/4" alum.	40	3030	606	788	1000	1212	1364	1606	1848	2091	2363	2606	2879	3182
EM-19 Three-tier element	18 3/4"	S-532	1 1/4" steel	4 1/4" steel	32	3060	612	796	1010	1224	1377	1622	1867	2111	2387	2632	2907	3213
		S-540	1 1/4" steel	4 1/4" steel	40	3140	628	816	1036	1256	1413	1664	1915	2167	2449	2700	2983	3297
		S-832	2" steel	4 1/4" steel	32	3080	616	801	1016	1232	1386	1632	1879	2125	2402	2649	2926	3234
		C-340	3/4" copper	4 1/4" alum.	40	3736	747	972	1233	1495	1681	1980	2279	2578	2914	3214	3550	3923
		C-440	1" copper	4 1/4" alum.	40	3960	792	1030	1307	1584	1782	2099	2416	2732	3089	3406	3762	4158
		C-540	1 1/4" copper	4 1/4" alum.	40	3880	776	1009	1280	1552	1746	2056	2367	2677	3026	3337	3686	4074

\*Based on 65°F entering air temperature.

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