



# RATINGS CHART – COMMERCIAL BASEBOARD

## MULTI/PAK 80

Model Number	Element Type	Tube Size and Material	Fin Size and Material	Fins per Foot	Water Flow	Pressure Drop†	Steam 1 PSI‡ Btu/Hr. Per Foot	HOT WATER RATINGS BTU/HR./FT. with 65°F entering air											
								110°F	120°F	130°F	140°F	150°F	160°F	170°F	180°F	190°F	200°F	210°F	220°F
81 A	H-1	¾" copper	3 x ¾" x .024" aluminum	48	1 GPM	47	—	210*	290*	360*	440*	520	610	700	790	880	970	1060	1140
					4 GPM	525		230*	300*	380*	460*	550	640	740	840	930	1030	1120	1200
83-A2	H-3	¾" copper	2¾" x 2½" x .011" aluminum	55	1 GPM	47	—	200*	270*	340*	410*	490	570	650	730	810	890	970	1050
					4 GPM	525		210*	290*	360*	440*	520	600	690	770	860	940	1030	1110
84-A3	H-4	1" copper	3" x 2½" x .011" aluminum	48	1 GPM	13	—	180*	240*	300*	370*	440	520	590	660	730	810	880	950
					4 GPM	145		190*	260*	320*	390*	470	550	620	700	770	860	930	1000
85-AX	H-5X	1¼" copper	3" x ¾" x .020" aluminum	48	1 GPM	6	1130	190*	260*	320*	390*	470	560	650	740	830	920	1010	1100
					4 GPM	63		200*	270*	340*	410*	500	590	690	780	890	970	1070	1160
86-AX	H-6X	1¼" IPS steel	3" x ¾" x .028" aluminized steel	48	1 GPM	3	990	—	—	—	—	380	450	520	590	660	730	800	870
					4 GPM	41		—	—	—	—	400	480	550	620	700	770	850	920

† Milinches per foot. \*Ratings at 140°F and lower temperatures determined by multiplying 150°F rating by the applicable factor specified in Testing and Rating Standard for Baseboard radiation.

‡ With 65°F entering air.

**NOTE:** Ratings are for element installed as per drawing shown in "Dimensional Data" window (open "Dimensional Data" window to view) with damper open, with expansion cradles. Ratings are based on active finned length (5" to 6" less than overall length) and include 15% heating effect factor.

Ratings are also based on:

81-A: ¾" nominal copper tubing with 3" x 3-1/4" x .024" aluminum fins spaced 48 per linear foot (unpainted);

83-A2: ¾" nominal copper tubing with 2-3/4" x 2-1/2" x .011" aluminum fins spaced 55 per linear foot (unpainted);

84-A3: 1" nominal copper tubing with 3" x 2-1/2" x .011" aluminum fins spaced 48 per linear foot (unpainted);

85-AX: 1-1/4" nominal copper tubing with 3" x 3-1/4" x .020" aluminum fins spaced 48 per linear foot (unpainted);

86-AX: 1-1/4" IPS steel with 3" x 3-1/4" x .028" aluminized steel fins spaced 48 per linear foot (unpainted);

Use 4 gpm ratings only when flow is known to be equal to or greater than 4 gpm; otherwise, 1 gpm ratings must be used.

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