

## Ratings

Ratings are based on finned length. Finned length is 4" shorter than element length. The use of ratings at 4 G.P.M. is limited to installations (usually loop) where the flow rate is 4 G.P.M. or greater. When the flow rate is not known the standard flow rate of 1 G.P.M. must be used.

The open-box-fin design of the Sterling Senior 3/4" and 1" elements make them much more efficient than conventional elements, thus effecting a corresponding economy in the amount of radiation required for the job. All Senior elements are unpainted.

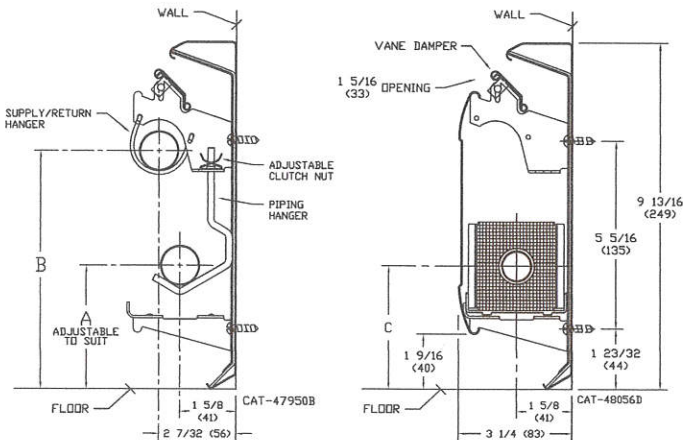
Element — 2 3/4" x 2 1/2" Fin	*Water Rate G.P.M.	Average Temperature °F-Forced Hot Water — B.T.U. Per Hour Linear Foot of Finned Length							
		150	160	170	180	190	200	210	220
SR-3/4-60, 3/4" Tube (Cu.) 60 Fins (.011)/Ft.	1	470	550	640	720	810	890	970	1060
	4	500	580	680	760	860	940	1030	1120
SR-1-55, 1" Tube (Cu.) 55 Fins (.011)/Ft.	1	460	540	620	700	780	850	930	1010
	4	490	570	660	740	820	900	980	1070
Element — 2 3/4" x 3 3/4" Fin*									
1/4" Tube (Cu.) R08 50 Fins (.020)/Ft.	1	510	590	670	750	850	920	1010	1110
	4	540	620	710	790	890	980	1070	1180
1" IPS, 2 3/4" x 3 3/4" 40 Fins (.024)/Ft. R11	1	435	515	590	665	755	835	920	1015
	4	465	545	630	710	805	885	980	1080
1/4" IPS, 2 3/4" x 3 3/4" 40 Fins (.024)/Ft. R14	1	410	485	560	630	715	785	870	960
	4	435	515	590	665	755	835	920	1015

Requires supply tube hanger (Q13) one per bracket.

## Details and Dimensions

Tube Size	A		B	C
	Min.	Max.		
3/4" Cu.	3 1/4"	4 5/8"	6 1 1/16"	3 1/2"
1" Cu.	3 3/8"	4 3/4"	6 1 3/16"	3 1/2"
1 1/4" Cu./Stl.	3 1/2"	4 7/8"	6 1 5/16"	4 7/8" †

*WATER FLOW CORRECTION FACTORS					
LB/HR	G.P.M.	Factor	Pressure Drop – Millinches Per Ft. Copper Element Tube Size		
			3/4"	1"	1 1/4"
500	1.0	1.000	47	13	6
750	1.5	1.016	96	26	12
1000	2.0	1.028	157	43	20
1250	2.5	1.038	230	63	28
1500	3.0	1.045	320	87	39
1750	3.5	1.051	420	114	50
2000	4.0	1.057	525	145	63
2250	4.5	1.062	650	178	77
2500	5.0	1.067	775	216	93
3000	6.0	1.074	1060	290	124



Assembly for:  
R08, R11, R14 Elem.

Note: Dimension in "( )"  
are shown in millimeters.

If the calculated water flow rate through a baseboard unit in a completely designed hot water heating system is greater than the standard flow rate (500 lb/hr), the rating of that unit may be increased by multiplying the standard water rating at 500 lb/hr by the factor shown for the calculated flow rate.



260 North Elm Street • Westfield, MA 01085  
Telephone (413) 564-5545 • FAX (413) 572-3764  
www.sterlingheat.com

