

LV4-S 14, 20, 24  
Slope Top Enclosures  
Copper/Aluminum &  
Steel Element Ratings

# Specification

Technical drawing of the CAT-38961G mounting bracket. The drawing includes a side view (top) and a front view (bottom). The side view shows the bracket's profile with dimensions: 5 5/16" for the top width, 2" for the top flange, 1" for the top lip, 5 3/16" for the main body width, 14" LOUVERS for the louvered section, 18 3/4" for the main body height, 14 3/4" for the louvered section height, 8 3/4" for the bottom section height, 27 15/16" for the total height, 23 15/16" for the louvered section height, 17 15/16" for the bottom section height, 6 3/16" for the bottom lip, and 2 11/16" for the bottom flange. The front view shows the bracket's base with dimensions: 4" for the base width, 10" for the main body width, 24" ONLY for the louvered section width, 6" for the main body width, 24" for the louvered section width, 20" ONLY for the bottom section width, and 4" for the base width. The drawing also includes labels for 'WALL', 'FLOOR', and 'MOUNTING HEIGHT'.



# STYLE "LV4-S" SLOPE TOP

STEEL ELEMENT								STEAM 215°	HOT WATER (AVG.)					
I.P.S. SIZE	CATALOG DESIGNATION	FIN SIZE IN INCHES	FIN/FT	FIN THICKNESS	ENCL HEIGHT IN INCHES	TIERS AND CENTERS IN INCHES	MTG. HEIGHT IN INCHES	FACTOR 1.00	200°	190°	180°	170°	160°	150°
1-1/4"	VS143	4-1/4" SQ.	32	.032"	14	1	18	1400	1200	1090	970	850	740	630
					20	1	24	1450	1250	1130	1000	880	770	650
					"	2-6 CL	"	2180	1870	1700	1500	1330	1160	980
					24	1	28	1490	1280	1160	1030	910	790	670
					"	2-6 CL	"	2250	1940	1760	1550	1370	1190	1010
					"	2-10 CL	"	2280	1960	1780	1570	1390	1210	1030
1-1/4"	VS144	4-1/4" SQ.	40	.032"	14	1	18	1570	1350	1230	1080	960	830	710
					20	1	24	1670	1440	1300	1150	1020	890	750
					"	2-6 CL	"	2370	2040	1850	1640	1450	1260	1070
					24	1	28	1730	1490	1350	1190	1060	920	780
					"	2-6 CL	"	2480	2130	1930	1710	1510	1310	1120
					"	2-10 CL	"	2530	2180	1970	1750	1540	1340	1140
2"	VS242	4-1/4" SQ.	25	.032"	14	1	18	1200	1030	940	830	730	640	540
					20	1	24	1230	1060	960	850	750	650	550
					"	2-6 CL	"	1930	1660	1510	1330	1180	1020	870
					24	1	28	1250	1080	980	860	760	660	560
					"	2-6 CL	"	1940	1670	1510	1340	1180	1030	870
					"	2-10 CL	"	2010	1730	1570	1390	1230	1070	910
2"	VS243	4-1/4" SQ.	32	.032"	14	1	18	1400	1200	1090	970	850	740	630
					20	1	24	1450	1250	1130	1000	890	770	650
					"	2-6 CL	"	2110	1820	1650	1460	1290	1120	950
					24	1	28	1490	1280	1160	1030	910	790	670
					"	2-6 CL	"	2180	1880	1700	1500	1330	1160	980
					"	2-10 CL	"	2260	1940	1760	1560	1380	1200	1020

Notes: 1) Steel fins furnished as .032 thick painted black.  
2) NPT threads furnished on steel elements. Please use domestic fittings for proper installation.  
3) The ends can be provided chamfered for field welded fittings when specified.

COPPER/ALUMINUM ELEMENT								STEAM 215°	HOT WATER (AVG.)					
TUBE SIZE	CATALOG DESIGNATION	FIN SIZE IN INCHES	FIN/FT	FIN THICKNESS	ENCL HEIGHT IN INCHES	TIERS AND CENTERS IN INCHES	MTG. HEIGHT IN INCHES	FACTOR 1.00	200°	190°	180°	170°	160°	150°
3/4"	VC3/4-434	4-1/4 x 3-5/8	40	.020"	14	1	18	1700	1460	1330	1170	1040	900	770
					20	1	24	1820	1570	1420	1260	1110	960	820
					"	2-6 CL	"	2580	2220	2010	1780	1570	1370	1160
					24	1	28	1910	1640	1490	1320	1170	1010	860
					"	2-6 CL	"	2700	2320	2110	1860	1650	1430	1220
					"	2-10 CL	"	2780	2390	2170	1920	1700	1470	1250
3/4"	VC3/4-435	4-1/4 x 3-5/8	50	.020"	14	1	18	1840	1580	1440	1270	1120	980	830
					20	1	24	2090	1800	1630	1440	1270	1110	940
					"	2-6 CL	"	2820	2430	2200	1950	1720	1490	1270
					24	1	28	2260	1940	1760	1560	1380	1200	1020
					"	2-6 CL	"	3110	2670	2430	2150	1900	1650	1400
					"	2-10 CL	"	3220	2770	2510	2220	1960	1710	1450
1"	VC433	4-1/4 x 3-5/8	32	.020"	14	1	18	1540	1320	1200	1060	940	820	690
					20	1	24	1620	1390	1260	1120	990	860	730
					"	2-6 CL	"	2500	2150	1950	1730	1530	1330	1130
					24	1	28	1690	1450	1320	1170	1030	900	760
					"	2-6 CL	"	2590	2230	2020	1790	1580	1370	1170
					"	2-10 CL	"	2640	2270	2060	1820	1610	1400	1190
1"	VC434	4-1/4 x 3-5/8	40	.020"	14	1	18	1780	1530	1390	1230	1090	940	800
					20	1	24	1900	1630	1480	1310	1160	1010	860
					"	2-6 CL	"	2660	2290	2070	1840	1620	1410	1200
					24	1	28	1990	1710	1550	1370	1210	1050	900
					"	2-6 CL	"	2770	2380	2160	1910	1690	1470	1250
					"	2-10 CL	"	2850	2450	2220	1970	1740	1510	1280
1"	VC435	4-1/4 x 3-5/8	50	.020"	14	1	18	1930	1660	1510	1330	1180	1020	870
					20	1	24	2180	1870	1700	1500	1330	1160	980
					"	2-6 CL	"	2640	2270	2060	1820	1610	1400	1190
					24	1	28	2360	2030	1840	1630	1440	1250	1060
					"	2-6 CL	"	2910	2500	2270	2010	1780	1540	1310
					"	2-10 CL	"	3000	2580	2340	2070	1830	1590	1350

# STYLE "LV4-S" SLOPE TOP

COPPER/ALUMINUM ELEMENT								STEAM	HOT WATER (AVG.)					
TUBE SIZE	CATALOG DESIGNATION	FIN SIZE IN INCHES	FIN/FT	FIN THICKNESS	ENCL HEIGHT IN INCHES	TIERS AND CENTERS IN INCHES	MTG. HEIGHT IN INCHES	215° FACTOR	200°	190°	180°	170°	160°	150°
								1.00	0.86	0.78	0.69	0.61	0.53	0.45
1-1/4"	VC1433	4-1/4 x 3-5/8	32	<b>.020"</b>	<b>14</b>	<b>1</b>	<b>18</b>	<b>1450</b>	<b>1250</b>	<b>1130</b>	<b>1000</b>	<b>880</b>	<b>770</b>	<b>650</b>
					<b>20</b>	<b>1</b>	<b>24</b>	<b>1530</b>	<b>1320</b>	<b>1190</b>	<b>1060</b>	<b>930</b>	<b>810</b>	<b>690</b>
					"	<b>2-6 CL</b>	"	<b>2360</b>	<b>2030</b>	<b>1840</b>	<b>1630</b>	<b>1440</b>	<b>1250</b>	<b>1060</b>
					<b>24</b>	<b>1</b>	<b>28</b>	<b>1590</b>	<b>1370</b>	<b>1240</b>	<b>1100</b>	<b>970</b>	<b>840</b>	<b>720</b>
					"	<b>2-6 CL</b>	"	<b>2450</b>	<b>2110</b>	<b>1910</b>	<b>1690</b>	<b>1490</b>	<b>1300</b>	<b>1100</b>
					"	<b>2-10 CL</b>	"	<b>2500</b>	<b>2150</b>	<b>1950</b>	<b>1730</b>	<b>1530</b>	<b>1330</b>	<b>1130</b>
1-1/4"	VC1434	4-1/4 x 3-5/8	40	<b>.020"</b>	<b>14</b>	<b>1</b>	<b>18</b>	<b>1740</b>	<b>1500</b>	<b>1360</b>	<b>1200</b>	<b>1060</b>	<b>920</b>	<b>780</b>
					<b>20</b>	<b>1</b>	<b>24</b>	<b>1880</b>	<b>1620</b>	<b>1470</b>	<b>1300</b>	<b>1150</b>	<b>1000</b>	<b>850</b>
					"	<b>2-6 CL</b>	"	<b>2610</b>	<b>2240</b>	<b>2040</b>	<b>1800</b>	<b>1590</b>	<b>1380</b>	<b>1170</b>
					<b>24</b>	<b>1</b>	<b>28</b>	<b>1950</b>	<b>1680</b>	<b>1520</b>	<b>1350</b>	<b>1190</b>	<b>1030</b>	<b>880</b>
					"	<b>2-6 CL</b>	"	<b>2710</b>	<b>2330</b>	<b>2110</b>	<b>1870</b>	<b>1650</b>	<b>1440</b>	<b>1220</b>
					"	<b>2-10 CL</b>	"	<b>2790</b>	<b>2400</b>	<b>2180</b>	<b>1930</b>	<b>1700</b>	<b>1480</b>	<b>1260</b>
1-1/4"	VC1435	4-1/4 x 3-5/8	50	<b>.020"</b>	<b>14</b>	<b>1</b>	<b>18</b>	<b>1860</b>	<b>1600</b>	<b>1450</b>	<b>1280</b>	<b>1130</b>	<b>990</b>	<b>840</b>
					"	<b>1</b>	<b>24</b>	<b>2130</b>	<b>1830</b>	<b>1660</b>	<b>1470</b>	<b>1300</b>	<b>1130</b>	<b>960</b>
					"	<b>2-6 CL</b>	"	<b>2510</b>	<b>2160</b>	<b>1960</b>	<b>1730</b>	<b>1530</b>	<b>1330</b>	<b>1130</b>
					<b>24</b>	<b>1</b>	<b>28</b>	<b>2270</b>	<b>1950</b>	<b>1770</b>	<b>1570</b>	<b>1380</b>	<b>1200</b>	<b>1020</b>
					"	<b>2-6 CL</b>	"	<b>2810</b>	<b>2420</b>	<b>2190</b>	<b>1940</b>	<b>1710</b>	<b>1490</b>	<b>1260</b>
					"	<b>2-10 CL</b>	"	<b>2900</b>	<b>2490</b>	<b>2260</b>	<b>2000</b>	<b>1770</b>	<b>1540</b>	<b>1310</b>
1"	VC43	4-1/4" SQ.	32	<b>.020"</b>	14	1	18	1650	1420	1290	1140	1010	880	740
					20	1	24	1740	1500	1360	1200	1060	920	780
					"	2-6 CL	"	2590	2230	2020	1790	1580	1370	1170
					24	1	28	1810	1560	1410	1250	1100	960	820
					"	2-6 CL	"	2830	2430	2210	1950	1730	1500	1270
					"	2-10 CL	"	2820	2430	2200	1950	1720	1500	1270
1"	VC44	4-1/4" SQ.	40	<b>020"</b>	14	1	18	1880	1620	1470	1300	1150	1000	850
					20	1	24	2040	1750	1590	1410	1240	1080	920
					"	2-6 CL	"	2690	2310	2100	1860	1640	1430	1210
					24	1	28	2140	1840	1670	1480	1310	1130	960
					"	2-6 CL	"	2920	2510	2280	2010	1780	1550	1310
					"	2-10 CL	"	3000	2580	2340	2070	1830	1590	1350
1"	VC45	4-1/4" SQ.	50	<b>.020"</b>	14	1	18	2060	1770	1610	1420	1260	1090	930
					20	1	24	2340	2010	1830	1610	1430	1240	1050
					"	2-6 CL	"	2680	2300	2090	1850	1630	1420	1210
					24	1	28	2510	2160	1960	1730	1530	1330	1130
					"	2-6 CL	"	3000	2580	2340	2070	1830	1590	1350
					"	2-10 CL	"	3080	2650	2400	2130	1880	1630	1390
1-1/4"	VC143	4-1/4" SQ.	32	<b>.020"</b>	14	1	18	1620	1390	1260	1120	990	860	730
					20	1	24	1710	1470	1330	1180	1040	910	770
					"	2-6 CL	"	2540	2180	1980	1750	1550	1350	1140
					24	1	28	1770	1520	1380	1220	1080	940	800
					"	2-6 CL	"	2780	2390	2170	1920	1700	1470	1250
					"	2-10 CL	"	2770	2380	2160	1910	1690	1470	1250
1-1/4"	VC144	4-1/4" SQ.	40	<b>.020"</b>	14	1	18	1850	1590	1440	1280	1130	980	830
					20	1	24	2000	1720	1560	1380	1220	1060	900
					"	2-6 CL	"	2640	2270	2060	1820	1610	1400	1190
					24	1	28	2100	1810	1640	1450	1280	1110	950
					"	2-6 CL	"	2870	2470	2240	1980	1750	1520	1290
					"	2-10 CL	"	2950	2540	2300	2040	1800	1560	1330
1-1/4"	VC145	4-1/4" SQ.	50	<b>.020"</b>	14	1	18	2020	1740	1580	1400	1230	1070	910
					20	1	24	2300	1980	1790	1590	1400	1220	1040
					"	2-6 CL	"	2630	2260	2050	1810	1600	1390	1180
					24	1	28	2470	2120	1930	1700	1510	1310	1110
					"	2-6 CL	"	2950	2540	2300	2040	1800	1560	1330
					"	2-10 CL	"	3020	2600	2360	2080	1840	1600	1360

Note: Copper tube furnished flared one end standard.

## Steam Bracket and BB Hanger

ELEMENT TUBE SIZE	CRADLE NO.	A MIN	A MAX
3/4" COPPER	2	7 3/8	8 3/4
1" COPPER	2	7 1/2	8 7/8
1 1/4" COPPER	2	7 5/8	9"
1 1/4" STEEL	2	7 7/8	9 1/4
2" STEEL	1	7 5/8	9"

