

2000 Mitsubishi Eclipse Custom Speaker Box Design Dimensions

Outside volume										
	rectangle		triangle		displacement					
side part	length	height	base	height	length	height	area	width	volume (in ³)	volume (ft ³)
alpha	13	14.75	0	0	0	0	191.75	25	4793.75	2.77416088
beta	0	0	4	13	0	0	26	25	650	0.376157407
delta	0	0	0	0	5	5	-25	25	-625	-0.361689815
Total							192.75		4818.75	2.788628472

Wood Volume											
		rectangle		triangle		displacement					
piece	qty	length	height	base	height	length	height	area	width	volume (in ³)	volume (ft ³)
a	1	25	13	0	0	2	84.54075	155.9185	0.75	116.9388762	0.067672961
b	3	14.75	13	4	13	5	5	578.25	0.75	433.6875	0.250976563
c	1	25	13.25	0	0	0	0	331.25	0.75	248.4375	0.143771701
d	1	25	14	0	0	0	0	350	0.75	262.5	0.151909722
e	1	25	4	0	0	0	0	100	0.75	75	0.043402778
f	1	25	4.25	0	0	0	0	106.25	0.75	79.6875	0.046115451
g	1	25	6	0	0	0	0	150	0.75	112.5	0.065104167
h	1	25	5.75	0	0	0	0	143.75	0.75	107.8125	0.062391493
i	1	25	7.5	0	0	0	0	187.5	0.75	140.625	0.081380208
j	1	24.25	0.75	0	0	0	0	18.1875	0.75	13.640625	0.00789388
Totals								2121.106		1590.829501	0.920618924

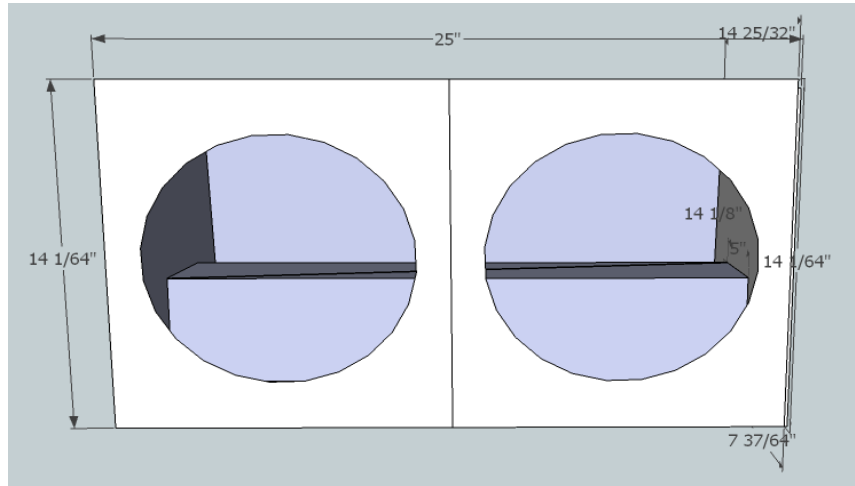
Speaker Displacement (in ³)	Speaker Displacement (in ³)	qty	Total Speaker Displacement (in ³)
140	0.081019	2	280

Inside volume (in³) = Outside volume - Wood volume - Speaker displacement
2947.92

Inside volume (ft³)
1.705973

Inside volume per speaker (ft³)
0.852986

Front View



Side View

