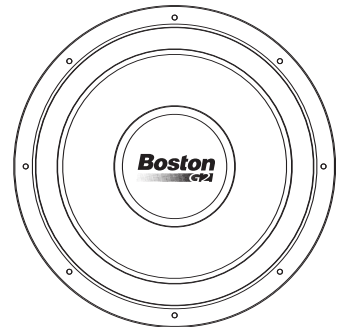
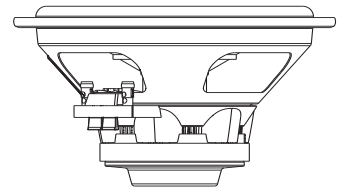
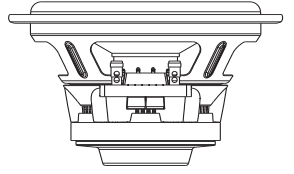


# Boston



*G2 - Performance Subwoofers*

# G2



## G2 Specifications/Enclosure Recommendations

Model:	G21244	G2124	G21044	G2104
Nominal Size:	12"	12"	10"	10"
RMS Power Handling:	300w	300w	300w	300w
Impedance:	Dual 4Ω	Single 4Ω	Dual 4Ω	Single 4Ω
Frequency Response: (+/-3dB in car)	20-350Hz	20-350Hz	24-350Hz	24-350Hz
Mounting Cutout Diameter:	11 3/16" (283mm)	11 3/16" (283mm)	9 1/4" (235mm)	9 1/4" (235mm)
Mounting Depth:	7 3/16" (182mm)	7 3/16" (182mm)	6 9/16" (166mm)	6 9/16" (166mm)
<b>Recommended Sealed Enclosure Volume*:</b>	1.0 ft <sup>3</sup> (28.3L)	1.0 ft <sup>3</sup> (28.3L)	0.5 ft <sup>3</sup> (14.2L)	0.5 ft <sup>3</sup> (14.2L)
Q-Tune™†: (HP & Q Setting)	33Hz@0.7	33Hz@0.7	28Hz@0.7	28Hz@0.7
<b>Recommended Ported Enclosure Volume*:</b>	2.0 ft <sup>3</sup> (56.6L)	2.0 ft <sup>3</sup> (56.6L)	1.3 ft <sup>3</sup> (36.8L)	1.3 ft <sup>3</sup> (36.8L)
Vent Diameter:	4" (10cm)	4" (10cm)	3" (7.6cm)	3" (7.6cm)
Vent Length:	13" (33cm)	13" (33cm)	10" (25cm)	10" (25cm)
Tuning Frequency:	34Hz	34Hz	36Hz	36Hz
Q-Tune™†: (HP & Q Setting)	34Hz@0.7	34Hz@0.7	36Hz@0.9	36Hz@0.9

\*Enclosure volumes include basket and port displacement  
†Q-Tune™ is a feature found on Boston GT Amplifiers

## G2 Thiele-Small Parameters

Model:	G21244		G2124	G21044		G2104
	Parallel	Series		Parallel	Series	
Fs: (Hz)	26.34	26.34	26.74	30.69	30.69	33.52
Re: (Ohms)	1.61	6.44	3.24	1.62	6.48	3.26
Qms:	12.55	12.55	11.92	10.87	10.87	12.54
Qes:	0.53	0.53	0.64	0.58	0.58	0.67
Qts:	0.51	0.51	0.61	0.55	0.55	0.64
Vas: (Liters)	83.01	83.01	85.86	28.58	28.58	27.49
Mms: (Grams)	167.5	167.5	157.2	157.1	157.1	136.8
Cms: (μM/Newton)	218	218	225	171	171	165
Xmax: (Mm)	13.3	13.3	12.5	13.3	13.3	12.5
Xmech: (Mm)	39.0	39.0	39.0	36.0	36.0	36.0
Sd: (CM <sup>2</sup> )	521	521	521	345	345	345
Bl: (Tesla-M)	9.17	18.34	11.52	9.17	18.34	11.82
SPL Eff: (dB @ 1w/1m)	86.4	85.9	83.3	83.7	83.7	83.7
SPL Sen: (dB @ 2.83v)	93.4	87.3	89.8	90.3	84.2	87.6

## G2 Included Hardware

Model:	G21244	G2124	G21044	G2104
5-Amp Fuse:	2	2	2	2
T-Nut M4:	8	8	8	8
Lock Washer M4:	8	8	8	8
Mounting Screw M4:	8	8	8	8
Wood Screw M4 x 38mm:	8	8	8	8

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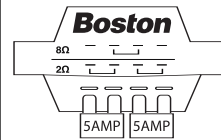
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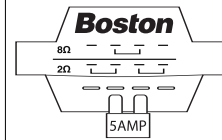
## SureSet™ Fuse Configurations

G21244 / G21044

2-ohm operation

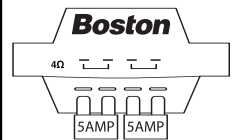


8-ohm operation



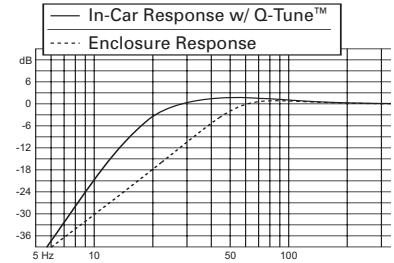
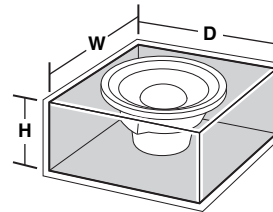
G2124 / G2104

4-ohm



Note: The SureSet™ feature utilizes standard automotive ATC fuses to select between series or parallel voice-coil operation (DVC only). The fuses also provide voice-coil protection under transient conditions such as accidental momentary overdrive. The fuses will not protect against voice-coil failure resulting from long term high power abuse.

## Single G2 Enclosure Design Example - Sealed



Model:	G212"	G210"
H = Height:	10.5" (26.7cm)	7.5" (19.1cm)
W = Width:	13.0" (33.1cm)	11.0" (28.0cm)
D = Depth:	13.0" (33.1cm)	11.0" (28.0cm)
Gross Volume:	1.0 Ft <sup>3</sup> (28.3L)	0.5 Ft <sup>3</sup> (14.2L)
Q-Tune™†: (HP & Q)	28Hz@0.707	33Hz@0.707

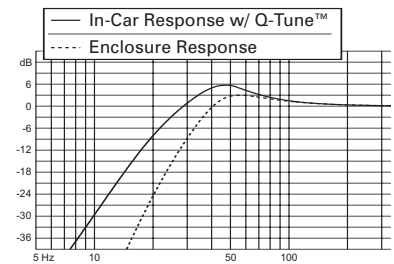
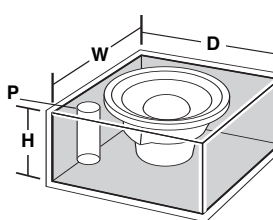
Enclosure dimensions are internal and include basket displacement

This enclosure size is an example and these dimensions can be modified provided that the exact internal volume is retained

3/8-inch thick M.D.F. is recommended as a minimum

†Q-Tune™ is a feature found on Boston GT Amplifiers

## Single G2 Enclosure Design Example - Ported



Model:	G212"	G210"
H = Height:	15.5" (39.8cm)	12" (30.5cm)
W = Width:	16.5" (42.0cm)	13.25" (33.7cm)
D = Depth:	14" (35.6cm)	14" (35.6cm)
P = Port Clearance*:	4" (10cm)	3" (7.6cm)
Gross Volume:	2.0 Ft <sup>3</sup> (56.6L)	1.3 Ft <sup>3</sup> (36.8L)
Port Diameter:	4" (10cm)	3" (7.6cm)
Port Length:	13" (33cm)	10" (25cm)
Q-Tune™†: (HP & Q)	34Hz@0.707	36Hz@0.9

Enclosure dimensions are internal and include basket and port displacement

This enclosure size is an example and these dimensions can be modified provided that the exact internal volume is retained and that there is adequate space behind the vent (diameter of port from the back and side walls)

3/8-inch thick M.D.F. is recommended as a minimum

\*Recommended distance from sides and back walls of enclosure

†Q-Tune™ is a feature found on Boston GT Amplifiers