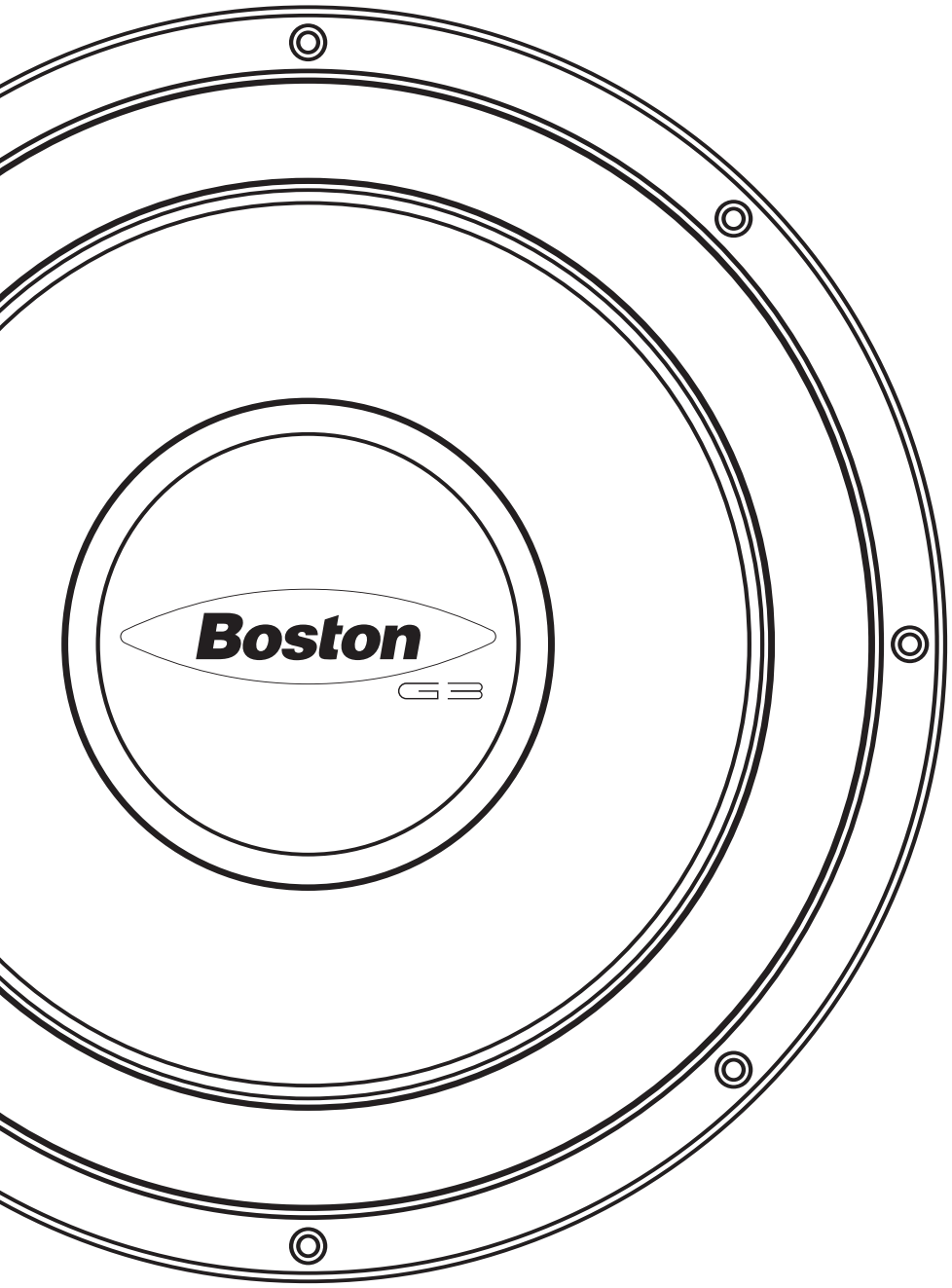
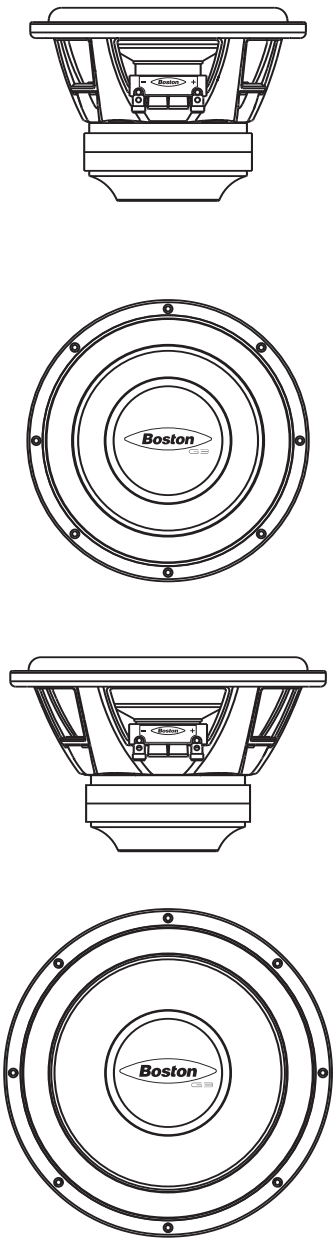
Boston





G3 - High Performance Subwoofers

G3

Boston

G3

G3 Specifications/Enclosure Recommendations

Model:	G31244	G3124	G31044	G3104
Nominal Size:	12"	12"	10"	10"
RMS Power Handling:	375w	375w	375w	375w
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:	6 9/16" (166mm)	6 9/16" (166mm)	6 3/8" (161mm)	6 3/8" (161mm)
Recommended Sealed Enclosure Volume*:	1.0 ft^3 (28.3L)	1.0 ft^3 (28.3L)	0.5 ft^3 (14.2L)	0.5 ft^3 (14.2L)
Q-Tune™†: (HP & Q Setting)	27Hz@0.7	27Hz@0.7	30Hz@0.7	30Hz@0.7
Recommended Ported Enclosure Volume*:	2.0 ft^3 (56.6L)	2.0 ft^3 (56.6L)	1.3 ft^3 (36.8L)	1.3 ft^3 (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

G3 Thiele-Small Parameters

Model:	G31244		G3124	G31044		G3104
	Parallel	Series		Parallel	Series	
Fs: (Hz)	31	31	30	35	35	35
Re: (Ohms)	1.68	6.70	3.33	1.69	6.76	3.30
Qms:	10.39	10.39	10.41	10.93	10.93	11.66
Qes:	0.65	0.65	0.79	0.60	0.60	0.70
Qts:	0.62	0.62	0.73	0.57	0.57	0.66
Vas: (Liters)	53	53	57	23	23	23
Mms: (Grams)	186	186	177	150	150	146
Cms: (µM/Newton)	144	144	154	139	139	140
Xmax: (Mm)	14.5	14.5	14.5	14.5	14.5	14.5
Xmech: (Mm)	35.0	35.0	35.0	35.0	35.0	35.0
Sd: (CM^2)	515	515	515	345	345	345
Bl: (Tesla-M)	9.6	19.3	12.0	9.6	19.3	12.3
SPL Eff: (dB @ 1w/1m)	85.6	85.6	85.0	84.0	84.0	83.4
SPL Sen: (dB @ 2.83v)	92.4	86.4	88.8	90.8	84.7	87.3

G3 Included Hardware

Model:	G31244	G3124	G31044	G3104
7.5-Amp Fuse* :	2	2	2	2
Wood Screw M4 x 38mm:	8	8	8	8
2.5mm Hex Key:	1	1	1	1

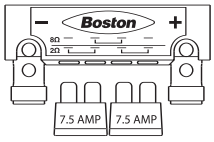
*Installed on Subwoofer

Boston Acoustics, Inc. 300 Jubilee Drive, Peabody, MA 01960 USA
T: 978.538.5000 F: 978.538.5100 W: bostonacoustics.com

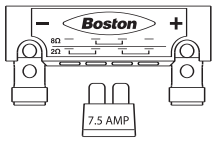
SureSet™ Fuse Configurations

G31244 / G31044

2-ohm operation

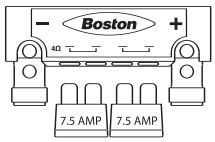


8-ohm operation



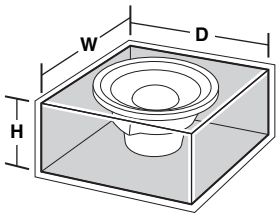
G3124 / G3104

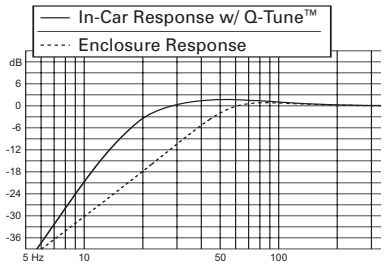
4-ohm



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 G3 Enclosure Design Example - Sealed

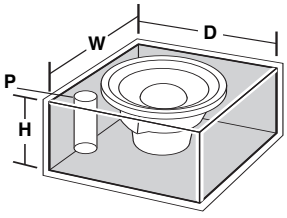


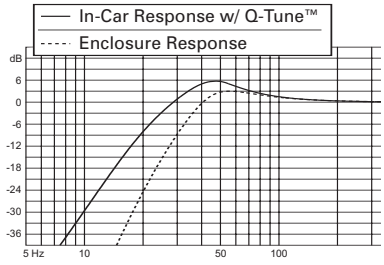


Model:	G312"	G310"
H = Height:	10.5" (26.7cm)	7.5" (19.1cm)
W = Width:	13.0" (33.1cm)	11.0" (28.0cm)
D = Depth:	13.0" (33.1cm)	11.0" (28.0cm)
Gross Volume:	1.0 Ft^3 (28.3L)	0.5 Ft^3 (14.2L)
Q-Tune™†: (HP & Q)	27Hz@0.707	30Hz@0.707

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
¾-inch thick M.D.F. is recommended as a minimum
†Q-Tune™ is a feature found on Boston GT Amplifiers

Single G3 Enclosure Design Example - Ported





Model:	G312"	G310"
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^3 (56.6L)	1.3 Ft^3 (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)
¾-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

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