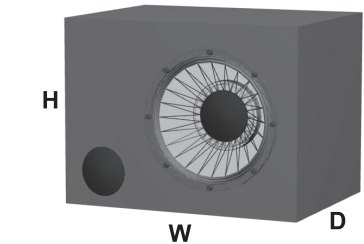
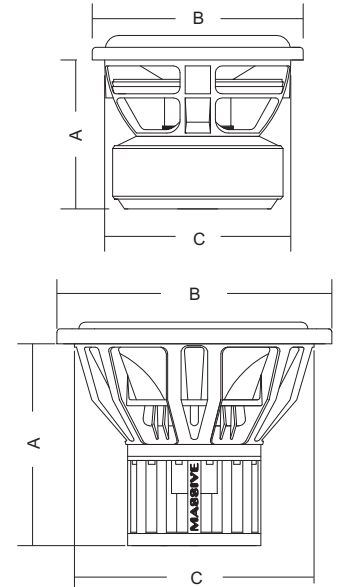


# BOA Series Subwoofers

For More Customized Box Volume Specifications  
Please visit [www.massiveaudio.com](http://www.massiveaudio.com)

	BOA 121	BOA 151	BOA 181	BOA 121N	BOA 151N
Mounting Depth(A)	10"	11.26"	12.56"	10.75"	11.93"
Mounting Diameter(B)	12.48"	16.22"	18.45"	12.52"	16.26"
Mounting cut Diameter(C)	11.02"	14.06"	16.79"	11.1"	14.17"
Net Weight(lb)	77.2	81.6	93	50.7	55.1
Displacement(ft3)	0.232	0.424	0.31	0.253	0.457

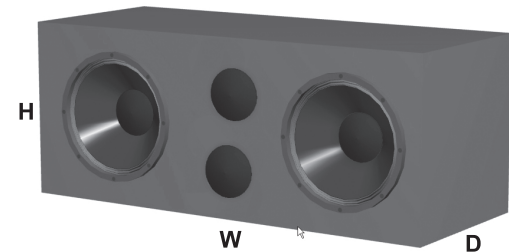
	BOA 121		BOA 151		BOA 181		BOA 121N		BOA 151N	
SEALED	Small	Large	Small	Large	Small	Large	Small	Large	Small	Large
Volume(cub.ft)	2.77	3.48	4.8	6.12	5.41	7.09	2.74	3.44	4.6	6.02
Internal Dimensions(in.)										
(width×Height×Depth)	17×16.6×17	18.1×17×19.5	20.4×20×20.4	21.5×20.8×23.6	25.6×21.6×17.7	29.5×21.6×19.7	17×16.6×16.7	18.1×17×18.8	20.4×20×19.5	21.5×20.8×22.8
F3 Hz	41	40	33	32	106.6	107.2	42	41	41	40
Qtc	0.707	0.707	0.707	0.707	0.202	0.194	0.707	0.707	0.707	0.707
PORTED	Small	Large	Small	Large	Small	Large	Small	Large	Small	Large
Volume(cub.ft)	2.96	3.81	5.08	6.44	7.05	9.25	2.85	3.76	4.88	5.84
Internal Volume(W×H×D)	18.1×16.6×17	18.9×17.4×20	21.1×20.4×20.4	21.9×21.1×24	27.6×23.6×19.7	30.7×23.6×22.6	18.1×16.6×16.7	18.9×17.4×19.5	21.1×20.4×19.7	21.9×21.1×23.5
Fb Hz	35	30	30	27	17.28	15.64	36	31	35	29
Cabin Gain dB/Hz										
Port round(D×L)	4.72×9.98	4.72×14.64	4.72×8.75	3.6×6.7	3.94×12.28	3.94×11.14	4.72×9.98	4.72×13.64	4.72×8.95	3.6×7
Port Area sq.in.	17.52	17.52	17.52	17.52	12.19	12.19	17.52	17.52	17.52	17.52
Dual Sub Box Ported	Small	Large	Small	Large	Small	Large	Small	Large	Small	Large
Volume(cub.ft)	5.41	6.82	9.41	11.9	15.81	20.8	5.39	6.72	9.35	11.57
Internal Volume(W×H×D)	33.1×16.6×17	33.9×17.4×20	39.1×20.4×20.4	39.9×21.5×24	47.2×23.6×25.6	57.1×23.6×27.6	33.1×16.6×16.7	33.9×17.4×19.5	39.1×20.4×19.7	39.9×21.5×23.5
Port (1)Sq.area.in.	17.52	17.52	17.52	17.52	12.19	12.19	17.52	17.52	17.52	17.52
Port Length	11.25	8.31	8.18	9.66	10.94	10.00	10.25	7.33	7.19	8.96
Fb Hz	35	30	30	25	16.62	14.93	41	35	38	33

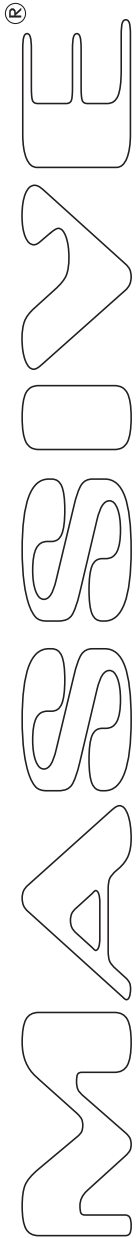


The port may have to be placed along the back wall facing the side. Place a brace between the subs about 4 inches wide on the inside.  
Make sure that the end of the port "inside the box" is at least the same distance away from the back wall as the port diameter. If port is 4" round = 4.5" from wall

**Attention:**

- \*Box sizes account for driver and port displacement
- \*For higher SPL shortening the port length 3 in. will rise frequency +/- 5 Hz
- \*Box specifications are internal. for external dimensions add the width of the box material to these dimensions.
- \*A square port (slot) is preferred in high power applications for less vent noise.
- \*Port area = width x height
- \*For dual speaker, double the volume and the number of ports but keep the same length.
- \*If possible use a divided box.
- \*If a common chamber box is to be used, internal bracing is highly recommended
- \*Please contact Massive Audio for custom applications.





## General Features

- \* Heavy Duty, Rugged Industrial Textured Cast Aluminum Basket.
- \* A 12 Lens Grade 52 Neodymium Open Motor Design(BOA121N,BOA151N)
- \* High Energy Triple Stack Strontium Magnet Structure. (BOA121,BOA151)
- \* 3" Dual Impedance Black Anodized Voice Coil Former With Flat Winding Wires(BOA121N,BOA151N)
- \* 4" Dual Impedance Black Anodized Voice Coil Former With Kevlar Spunlace (BOA121,BOA151)
- \* Kevlar Fiber Reinforced Non-Pressed Paper Cone with Industrial Textured Finish.
- \* Red Stitched Edge to the Cone for Added Strength.
- \* Over Sized Mirror Image 6 Layers Poly/Nomex Spiders
- \* Black Anodized One Piece Pole-Plate for Added Motor Force.
- \* Heavy Duty Direct Input Wires Connection to Voice Coils.
- \* Reinforced Fiberglass Woven Dustcap for High Power Applications.
- \* Custom Tooled Rubber Gasket and Magnet Boot. (BOA121,BOA151)

## Specifications

CONFIGURATION	BOA 121			BOA151			BOA181			BOA 121N			BOA 151N			
Voice Coil	Dual 1 ohm			Dual 1 ohm			Dual 1 ohm			Dual 1 ohm			Dual 1 ohm			
FS	Hz	39	34	30	30	56	42									
Qms		7.08	6.69	8.471	2.2	2.1										
Vas	liters	11.8	35.5	89.54	17	25										
Cms	um/N	40.7	43.8	49.4	22.7	25.8										
Mms	g	401.2	473.9	570	35.1	529										
SPL@2.83V/1m	dB	88	90	99	90	92										
Watts RMS	W	6000	6000	6000	6000	6000										
Peak Power	W	12000	12000	12000	12000	12000										
Xmax	mm	25	25	25	13	13										
Magnet Weight	oz	475	475	475	108	108										
Xmech	mm	62.5	62.5	37.5	46.5	46.5										
Dia	mm	244	315	379.3	260	325										
Sd	sq.m	0.045	0.075	0.113	0.054	0.075										
Vd	liters	2.48	6.78	2.825	2.48	6.78										
ELECTRICAL	individual	Parallel	Series	individual	Parallel	Series	individual	Parallel	Series	individual	Parallel	Series	individual	Parallel	Series	
Qes	1.06	0.62	0.61	1.23	0.64	0.67	0.39	0.18	0.215	0.398	0.19	0.202	0.39	0.195	0.228	
Re	ohms	0.9	0.5	1.9	1	0.5	2	1	0.5	2	0.9	0.5	1.9	1	0.5	2
Le	mH	0.57	0.58	0.59	0.57	0.58	0.6	0.57	0.58	0.6	0.39	0.39	1.88	0.403	0.409	1.988
BL	Tm	9.2	8.9	17.6	9.2	9.4	17.5	16.6	17.29	31.59	17	18	33	19.12	18.63	34.81
Pe	Watts	3000	6000	6000	3000	6000	6000	3000	6000	6000	3000	6000	6000	3000	6000	6000
ELECTROMECHANICA																
Qts		0.92	0.57	0.56	1.04	0.59	0.62	0.373	0.176	0.21	0.338	0.172	0.204	0.33	0.176	0.21
no	%	0.07	0.11	0.11	0.12	0.21	0.22	0.598	1.279	1.082	0.41	0.845	0.464	0.49	1.012	0.836
1-W-SPL	dB	87	88.5	88.7	88	89	89.5	89.91	93.28	92.49	88	88.7	89	89	92.6	92
2.8V SPL	dB	88	88.8	88.9	88.5	89.6	90	98.95	105.3	98.51	89.8	89.6	89.8	90	93	92.7

**12000**  
PEAK WATTS

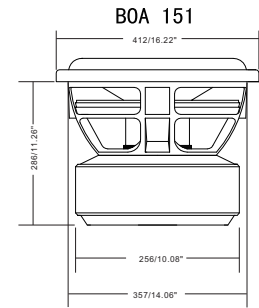
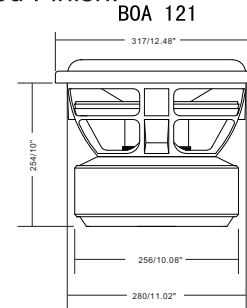


RoHS (E8)

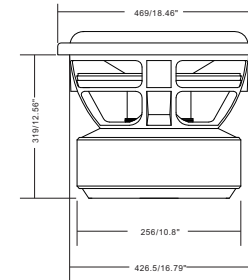


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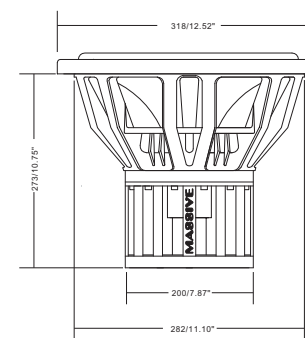
**BOA**  
SUBWOOFERS



BOA 181



BOA 121N



BOA 151N

