

## General Features

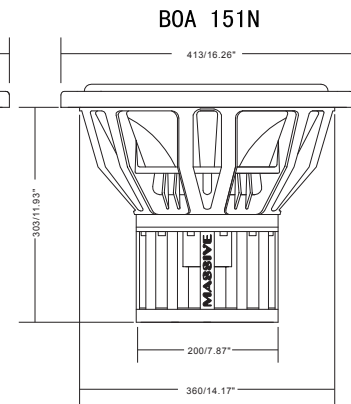
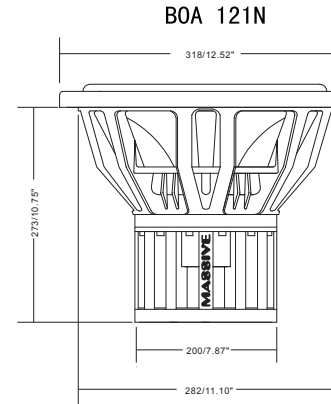
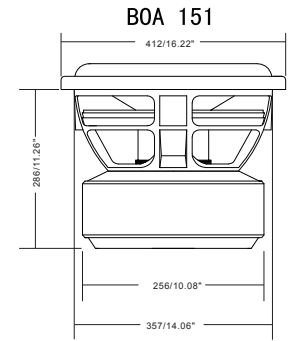
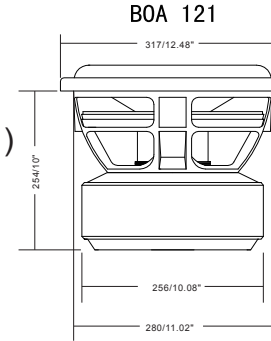
- \* Heavy Duty, Rugged Industrial Textured Cast Aluminum Basket.
- \* A 12 Lens Grade 52 Neodymium Open Motor Design(BOA121N,BOA151N)
- \* High Energy Triple Stack Strontium Magnet Structure. (BOA121,BOA151)
- \* 3" Dual Impedance Black Anodized Voice Coil Former With Flat Winding Wires(BOA121N,BOA151N)
- \* 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)

# BOA

## SUBWOOFERS

## Specifications

CONFIGURATION		BOA 121			BOA151			BOA 121N			BOA 151N		
Voice Coil		Dual 1 ohm			Dual 1 ohm			Dual 1 ohm			Dual 1 ohm		
FS	Hz	39			34			41			39		
Qms		7.08			6.69			2.5			2.5		
Vas	liters	11.8			35.5			15			32		
Cms	um/N	40.7			43.8			37			33		
Mms	g	401.2			473.9			392			480		
SPL@2.83V/1m	dB	88			90			90			92		
Watts RMS	W	6000			6000			6000			6000		
Peak Power	W	12000			12000			12000			12000		
Xmax	mm	25			25			13			13		
Magnet Weight	oz	475			475			108			108		
Xmech	mm	62.5			62.5			46.5			46.5		
Dia	mm	244			315			260			325		
Sd	sq.m	0.045			0.075			0.045			0.075		
Vd	liters	2.48			6.78			2.48			6.78		
ELECTRICAL		individual	Parallel	Series	individu	Parallel	Series	individu	Parallel	Series	individu	Parallel	Series
Qes		1.06	0.62	0.61	1.23	0.84	0.67	0.352	0.177	0.202	0.357	0.176	0.208
Re	ohms	0.9	0.5	1.9	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	0.39	0.4	1.82	0.39	0.394	1.92
BL	Tm	9.2	8.9	17.6	9.2	9.4	17.5	17	17	34	18.3	18.395	34.26
Pe	Watts	3000	6000	6000	3000	6000	6000	3000	6000	6000	3000	6000	6000
ELECTROMECHANICAL													
Qts		0.92	0.57	0.56	1.04	0.59	0.62	0.164	0.188	0.31	0.31	0.163	0.194
no	%	0.07	0.11	0.11	0.12	0.21	0.22	0.305	0.56	0.464	0.55	1.136	0.93
1-W-SPL	dB	87	88.5	88.7	88	89	89.5	88	88.7	89	89	92.6	92
2.8V SPL	dB	88	88.8	88.9	88.5	89.6	90	89.8	89.6	89.8	90	93	92.7



**12000**  
PEAK WATTS



RoHS (E8)



P.O. Box 252004 LOS ANGELES, CA 90025 U.S.A.  
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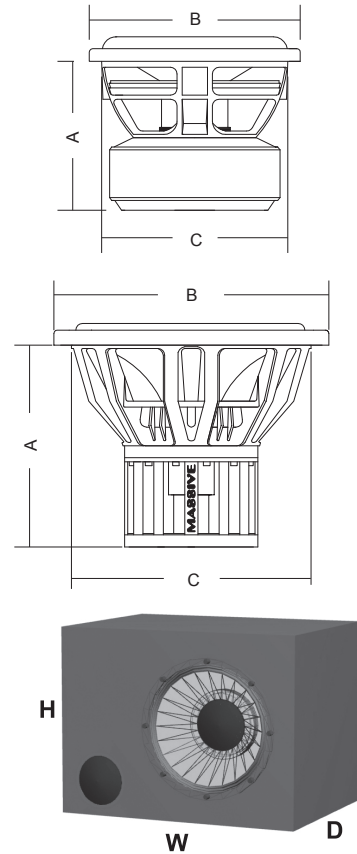


# BOA Series Subwoofers

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

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

	BOA 121		BOA 151		BOA 121N		BOA 151N	
	Small	Large	Small	Large	Small	Large	Small	Large
<b>SEALED</b>								
Volume(cub.ft)	2.77	3.48	4.8	6.12	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	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	42	41	41	40
Qtc	0.707	0.707	0.707	0.707	0.707	0.707	0.707	0.707
<b>PORTED</b>								
Volume(cub.ft)	2.96	3.81	5.08	6.44	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	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	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	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	17.52	17.52	17.52	17.52
<b>Dual Sub Box Ported</b>								
Volume(cub.ft)	5.41	6.82	9.41	11.9	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	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	17.52	17.52	17.52	17.52
Port Length	11.25	8.31	8.18	9.66	10.25	7.33	7.19	8.96
Fb Hz	35	30	30	25	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 shortning 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.

