

SUMMO XL

SUBWOOFERS

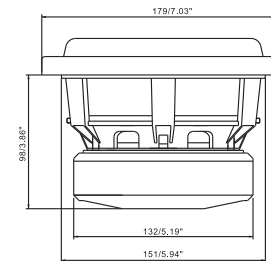
General Features

- * Heavy Duty, Rugged Industrial Textured Cast Aluminum Basket.
- * High Energy Double Stack Strontium Magnet Structure.
- * Dual Impedance Black Anodized Voice Coil Former with Kevlar Spunlace.
- * Kevlar Fiber Reinforced Non-Pressed Paper Cone with Industrial Textured Finish.
- * Red Stitched Edge to the Cone for Added Strength.
- * Over Sized Mirror Image Dual 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.

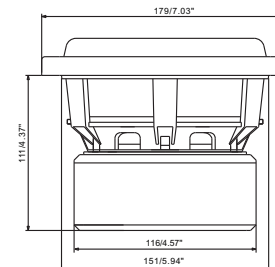
Specifications

CONFIGURATION		SUMMO 64S			SUMMO 64XL			SUMMO 84S			SUMMO 84XL		
Voice Coil		Dual 4 ohm			Dual 4 ohm			Dual 4 ohm			Dual 4 ohm		
Fs	Hz	58.45			63.596			51.34			60.868		
Qms		4.723			8.642			6.269			8.464		
Vas	liters	3.269			2.552			5.8			3.734		
Cms	µm/N	0.113			90.344			0.893			58.935		
Mms	g	65.98			69.323			107.5			116		
Rms	kg/s	5.148			3.589			5.538			5.699		
SPL@2.83V/1m	dB	85			85			86			86		
Watts RMS	W	200			200			400			400		
Peak Power	W	400			400			800			800		
Xmax	mm	8			10			9			11		
Magnet Weight	oz	45			55			66			90		
Xmech	mm	12			15			13.5			16.5		
Dia	mm	135.1			134			165			164		
Sd	sq.m	0.0143			0.014			0.0214			0.0214		
Vd	liters	0.00362			0.141			0.000235			0.232		
ELECTRICAL		Individual	Parallel	Series	Individual	Parallel	Series	Individual	Parallel	Series	Individual	Parallel	Series
Qes		1.486	0.865	0.824	1.945	0.934	0.918	1.548	0.678	0.806	1.493	0.65	0.624
Re	ohms	3.2	1.7	6.4	3.2	1.6	6.4	3.3	1.6	6.6	3.2	1.6	6.4
Le	mH	37.28	33.63	111.7	29	32	104	57.13	47.06	145.6	33	39.184	120.37
BL	Tm	7.224	6.901	13.72	6.751	7.021	13.287	8.6	9.046	16.85	9.751	10.154	20.559
Pe	Watts	200	400	400	200	400	400	400	800	800	400	800	800
ELECTROMECHANICAL													
Qts		1.13	0.746	0.716	1.588	0.837	0.818	1.241	0.612	0.714	1.269	0.597	0.576
no	%	0.042	0.0728	0.0764	0.028	0.059	0.066	0.049	0.112	0.0939	0.055	0.121	0.12
1-W-SPL	dB	78.42	80.77	80.98	78	80	80	79.04	82.62	81.87	80	85	83
2.8V SPL	dB	82.36	87.49	81.95	80	87	83	82.89	89.61	82.71	83	84	84

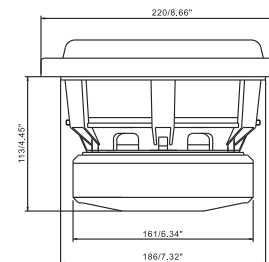
SUMMO 64S



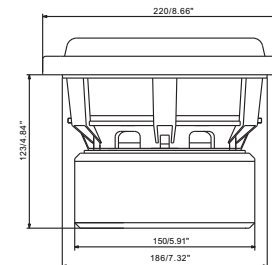
SUMMO 64XL



SUMMO 84S



SUMMO 84XL



400
PEAK WATTS

800
PEAK WATTS



RoHS (E8)



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

WWW.MASSIVEAUDIO.COM

SUMMO XL

For More Customized Box Volume Specifications
Please visit www.massiveaudio.com

	SUMMO 64S	SUMMO 64XL	SUMMO 84S	SUMMO 84XL
Mounting Depth (A)	3.86"	4.37"	4.45"	4.84"
Mounting Diameter (B)	7.03"	7.03"	8.66"	8.66"
Mounting cut Diameter (C)	5.94"	5.94"	7.32"	7.32"
Net Weight (lb)	6.83	7.24	10.6	12.19
Displacement (ft3)	0.02	0.02	0.03	0.03

	SUMMO 64S		SUMMO 64XL		SUMMO 84S		SUMMO 84XL	
	Small	Large	Small	Large	Small	Large	Small	Large
SEALED								
Volume(cub.ft)	0.574	0.821	0.45	0.65	0.974	1.319	0.8	1.1
Internal Dimensions(in.)								
(widthxHeightxDepth)	13.8x8.1x8.88	15.8x9.1x9.88	11.8x7.9x8.78	15.7x7.9x9.37	16.5x9.6x10.6	18.5x11x11.6	15.7x9.6x9.5	17.7x9.6x11.5
F3 Hz	46	45	45	44	40	39	45	44
Qtc	0.707	0.707	0.45	0.65	0.707	0.707	0.55	0.54
FORTEd								
Volume(cub.ft)	0.646	0.912	0.6	0.85	1.097	1.469	1.097	1.469
Internal Volume(WxHxD)	14.6x8.1x9.42	16.6x9.1x10.4	15.7x7.9x8.85	18.1x7.9x10.8	17.5x9.6x11.2	19.5x11x12.2	17.3x9.6x9.92	20.5x9.6x11
Fb Hz	40	38	36	32	35	30	38	33
Cabin Gain dB/Hz								
Port round(DxL)	2.95x15.44	2.95x11.67	2.5x7.87	2.5x7.87	2.95x11.37	2.95x10.26	2.5x7.87	2.5x7.87
Port Area sq.in.	6.84	6.84	4.91	4.91	6.84	6.84	6.84	6.84
Dual Sub Box Ported								
Volume(cub.ft)	0.95	1.29	0.9	1.2	1.628	2.107	1.35	1.75
Internal Volume(WxHxD)	21.5x8.1x9.42	23.5x9.1x10.4	22x7.9x9.6	22x7.9x12.7	25.9x9.6x11.2	27.9x11x12.2	25.2x9.6x10.3	25.2x9.6x13.2
Port (1)Sq.area.in.	6.84	6.84	4.3	4.3	6.84	6.84	4.91	4.91
Port Length	9.8	7.62	11.8	11.8	6.97	7.43	7.87	7.87
Fb Hz	40	40	31	26	35	35	31	27.5

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 raise 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.

