

# MMA Series Subwoofers

## General Features

- \* Heavy Gauge Steel Basket With Industrial Texture Painting
- \* High Flux Y30 Strontium Ferrite Magnet
- \* High Impedance Aluminum Former With EISV Voice Coil
- \* Poly Cotton Spider With Woven Round Tinsel Leads
- \* Laminated Paper Cone With Pressed Foam Surround
- \* Round Shape PP Vacuum Dust Cap
- \* 8mm Top Plate

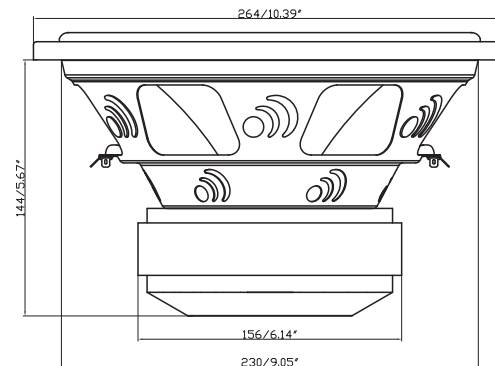
## Specifications

CONFIGURATION		MMA 104			MMA 124		
Voice Coil		Dual 4 Ohm			Dual 4 Ohm		
FS	Hz	37.5			34.9		
Qms		7.14			6.01		
Vas	liters	28.71			54.76		
Cms	um/N	0.18			0.15		
Mms	g	99.1			133.8		
SPL@2.83V/1m	dB	88			88		
Watts RMS	W	500			500		
Peak Power	W	1000			1000		
Xmax	mm	10			10		
Magnet Weight	oz	70			70		
Xmech	mm	27			27		
Dia	mm	205			255		
Sd	sq.m	0.033			0.051		
Vd	liters	3.85			4.98		
ELECTRICAL		Individual	Parallel	Series	Individual	Parallel	Series
Qes		1.14	0.67	0.68	1.56	0.71	0.68
Re	ohms	3.4	1.7	6.8	3.4	1.7	6.8
Le	mH	0.61	0.69	0.72	0.71	0.72	0.69
BL	Tm	8.57	7.88	15.74	8.22	8.61	17.85
Pe	Watts	250	500	500	250	500	500
ELECTROMECHANICAL		Individual	Parallel	Series	Individual	Parallel	Series
Qts		0.95	0.61	0.61	1.12	0.64	0.58
no	%	0.12	0.21	0.20	0.14	0.31	0.34
1-W-SPL	dB	84.3	86.2	86.3	84.6	86.5	86.8
2.8V SPL	dB	85.8	88.1	88.3	86.1	88.5	88.8

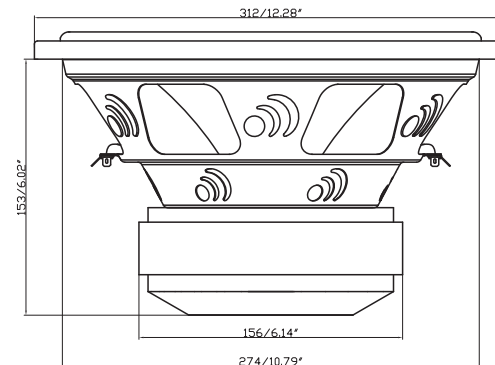
**1000**  
PEAK WATTS



## MMA 104



## MMA 124



# MMA Series Subwoofers

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

	MMA 104	MMA 124
Mounting Depth (A)	5.67 in.	6.02 in.
Mounting Diamter (B)	10.39 in.	12.28 in.
Mounting cut diameter (C)	9.05 in.	10.79 in.
Net weight (Lb)	10.14	10.58
Displacement (ft3)	0.05	0.08

## Recommended Enclosures:

	MMA 104		MMA 124	
<b>SEALED</b>	<b>Small</b>	<b>Large</b>	<b>Small</b>	<b>Large</b>
Volume (cub. ft)	0.70	1.28	1.12	1.42
Internal (Width x Height x Depth) in.	10x11x11	12x13x14	12x12x13	13x14x14
F3 Hz	46	44	46	44
Qtc	0.563	0.501	0.574	0.515
<b>PORTED</b>	<b>Small</b>	<b>Large</b>	<b>Small</b>	<b>Large</b>
Volume (cub ft.)	0.9	1.4	1.7	2.2
Internal Volume ( W x H x D )	11x12x12	13x13x14	14x13x15	16x14x16
Fb Hz	47	37	44	35
Cabin Gain dB/Hz	6@44	8@44	6@40	7@41
Port round (D x L)	3x8	3x10	3x10	4x10
Port Area sq. in.	7.07	7.07	12.37	14.05
<b>Dual Sub Box Ported</b>	<b>Small</b>	<b>Large</b>	<b>Small</b>	<b>Large</b>
Volume (cub ft.)	2.0	2.9	3.1	4.6
Internal Volume ( W x H x D )	12 x 24 x 12	12 x 30 x 14	24 x 14 x 16	32 x 14 x 18
Port (1) Sq.area in.	18	25	30	36
Port Length	10	11	11	12
Fb Hz	38	36	39	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.

