

EARTHQUAKE EARTHQUAKE

The Sound That Will MOVE You...

Magma



DB-R



DBX-R



Tremor-XR



Subwoofers
Installation
&
Reference
Manual

 www.earthquakesound.com

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A THANK YOU NOTE

Dear Valued Customer,

Congratulations! You are the proud owner of a high-quality Earthquake Subwoofer.

Earthquake Sound Corporation, located in Menlo Park California at the heart of the San Francisco Bay Area; specializes in manufacturing high end car audio products ranging from the smallest titanium tweeter to the world's largest amplifier. In its dedication to excellence, Earthquake has maintained extensive programs in research and development to provide you with the highest quality mobile audio products.

This owners manual is designed to better acquaint you with Earthquake products and to guide you through all phases of system design and application. It is imperative that you read this manual in its entirety. Earthquake technicians and staff are looking forward to answering any questions you might have.

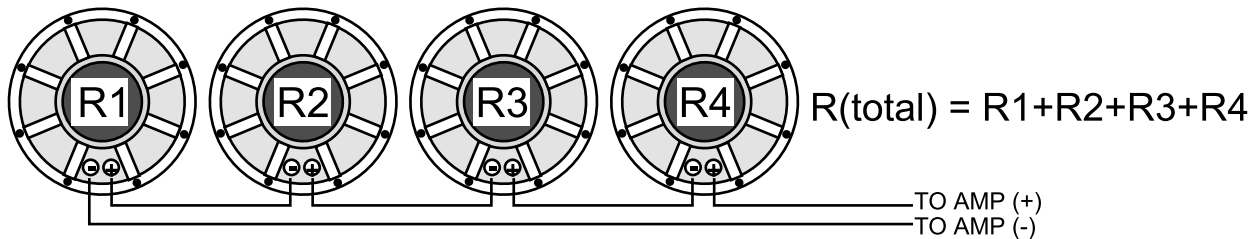
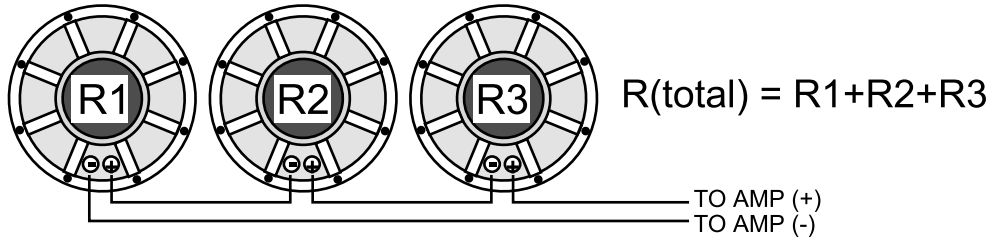
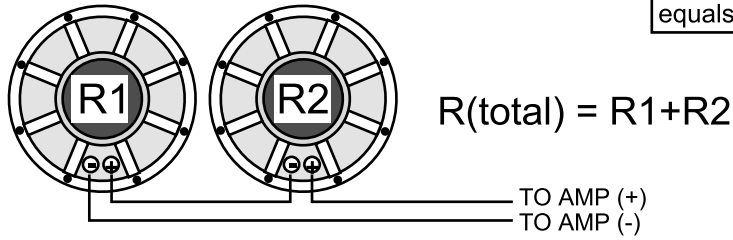
CAUTION: Earthquake Audio products are capable of producing over 140dB and are commonly used for high powered audio systems. Prolonged exposure to SPL levels of over 100dB will cause permanent hearing damage. We at Earthquake ask you to please exercise extreme caution when using our product for competition or every day use.

SUBWOOFER SPECIFICATIONS

MODEL	SIZE	MAX POWER Watts	VOICE COIL	FS Hz	REVC Ohms	BL Tm	QMS	QES	QTS	VAS Cubic Feet
MAGMA-12	12"	1500	Dual 3" (2x3.2 ohms)	30.33	5.74	22.8	9.9846	0.404	0.389	5.71
MAGMA-15	15"	1500	Dual 3" (2x3.2 ohms)	26.32	5.72	25.5	9.8194	0.405	0.389	5.23
DBX-8DR	8"	500	Dual 2" (2x4 ohms)	34.31	7.2	15.7	4.0719	0.501	0.446	0.63
DBX-10R	10"	800	Single 2" (4 ohms)	29.28	10.5	21.9	5.0278	0.604	0.54	0.8
DBX-10DR	10"	800	Dual 2" (2x4 ohms)	29.28	10.5	21.9	5.0278	0.604	0.54	0.8
DBX-12R	12"	1000	Single 2" (4 ohms)	27.67	7.4	25.5	5.3063	0.326	0.307	2.84
DBX-12DR	12"	1000	Dual 2" (2x4 ohms)	27.67	7.4	25.5	5.3063	0.326	0.307	2.84
DBX-15DR	15"	1500	Dual 2" (2x4 ohms)	27.04	8.31	28.5	4.1061	0.482	0.432	4.98
DB-10R	10"	500	Single 2" (4 ohms)	29.95	4.21	12.5	6.5977	0.61	0.558	1.3
DB-12R	12"	600	Single 2" (4 ohms)	27.09	4.21	11.7	6.9574	0.697	0.634	3.19
DB-15R	15"	800	Single 2" (4 ohms)	26.33	3.6	12.7	7.4238	0.817	0.736	5.71
TREMOR-8XR	8"	500	Single 2.5" (8 ohms)	29.38	6.78	15.6	3.5313	0.46	0.407	0.75
TREMOR-10XR	10"	800	Single 2.5" (8 ohms)	28.33	6.67	16.2	4.6012	0.558	0.498	1.3
TREMOR-12XR	12"	800	Single 2.5" (8 ohms)	27.01	6.67	17	5.3508	0.722	0.636	2.4
TREMOR15XR	15"	1000	Single 2.5" (8 ohms)	26.33	5.98	12	7.4238	0.837	0.736	4.9

SERIES

According to Ohm laws, when speakers are wired in series. The total impedance (R) of the speakers equals the sum of the impedances of every speaker.

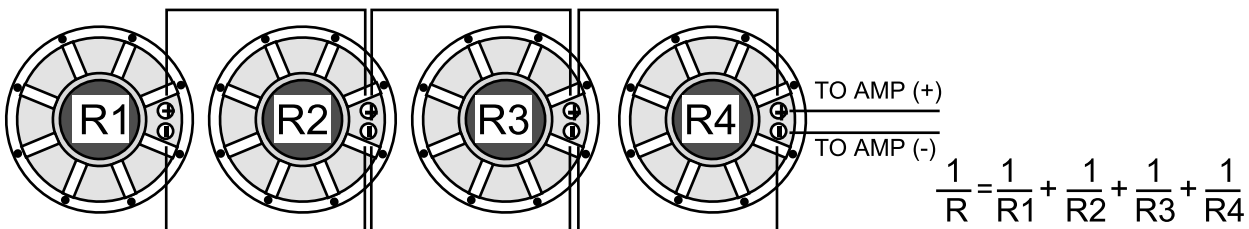
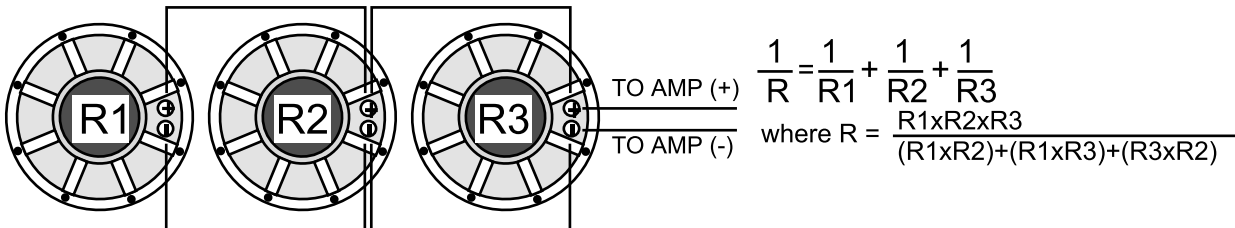
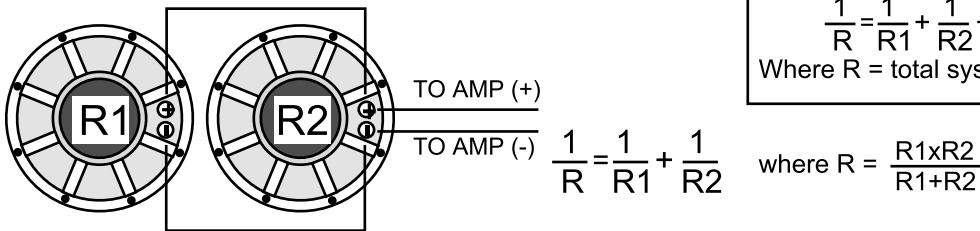


PARALLEL

According to Ohm laws, when speakers are wired in parallel. The formula is:

$$\frac{1}{R} = \frac{1}{R1} + \frac{1}{R2} + \frac{1}{R3} + \dots + \frac{1}{Rn}$$

Where R = total system impedance

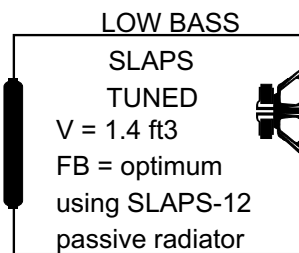
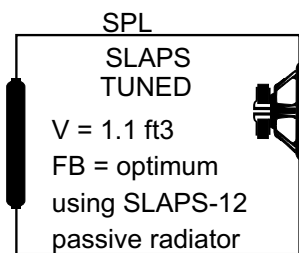
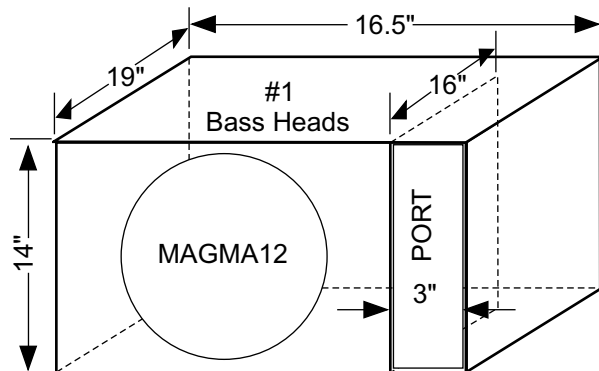
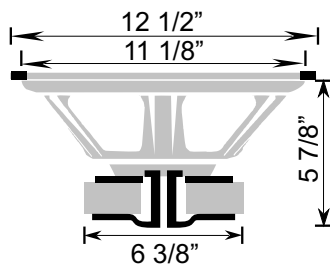


where $R = \frac{R1 \times R2 \times R3 \times R4}{(R1 \times R2 \times R3) + (R1 \times R2 \times R4) + (R1 \times R3 \times R4) + (R2 \times R3 \times R4)}$

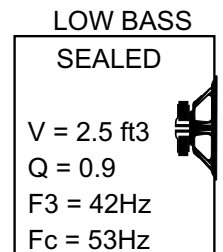
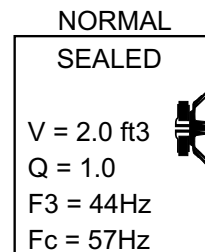
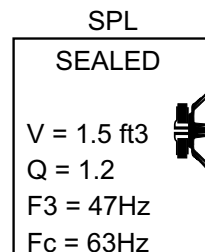
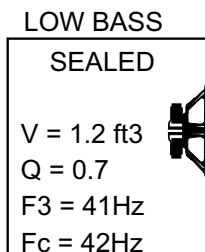
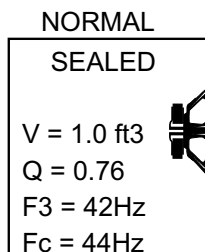
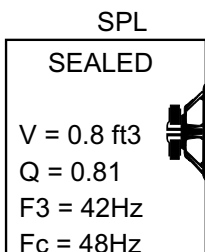
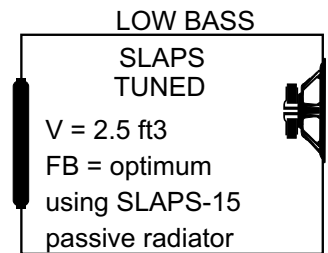
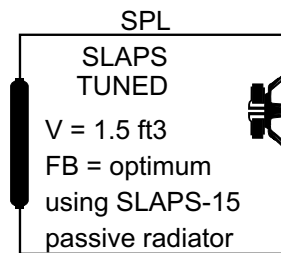
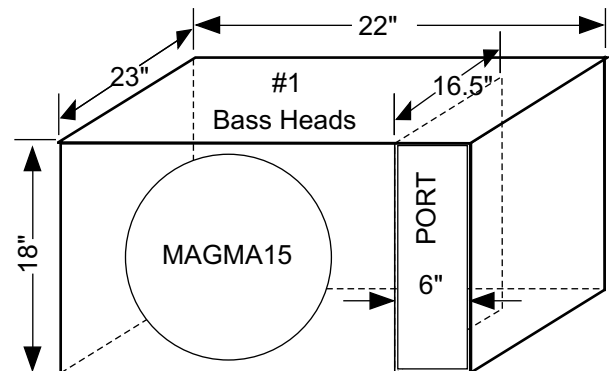
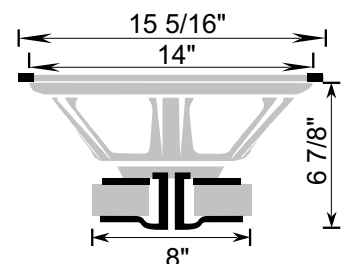
#1 in Sound Quality, #1 in SPL...

"In sound quality and low frequency extension, the Earthquake MAGMAs excel leaving all other woofers behind" May 1999 CA&E. "With nearly 22mm of linear excursion (four times longer than other sub), and a hefty 3" 4-layer dual voice coil; the MAGMAs make sealed box bass an octave lower than any other woofer." May 1999 CA&E.

MAGMA12

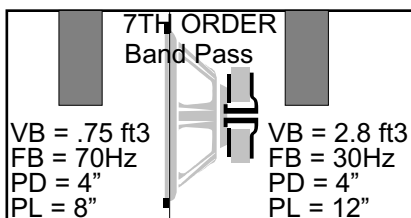
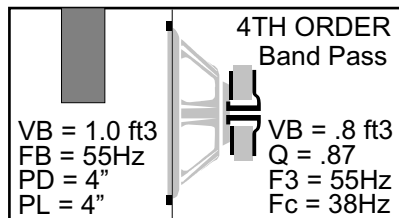
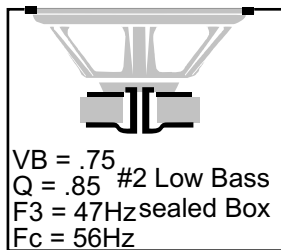
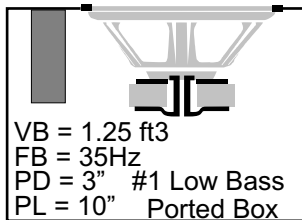
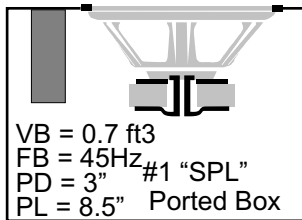
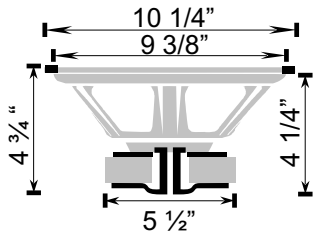


MAGMA15

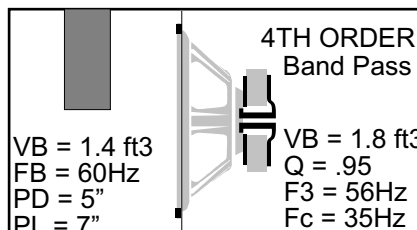
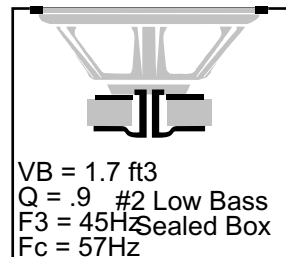
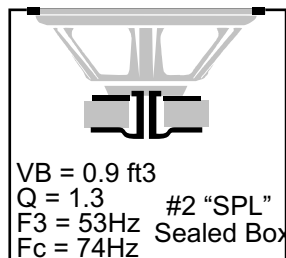
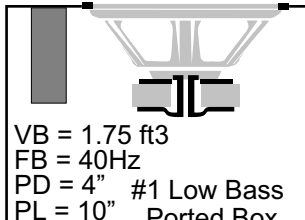
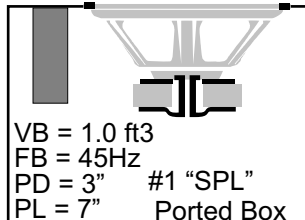
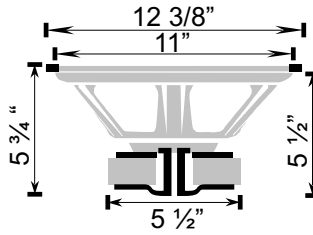


Specifications are subject to change without notice. Dimensions shown are external Dimensions using 3/4" MDF.

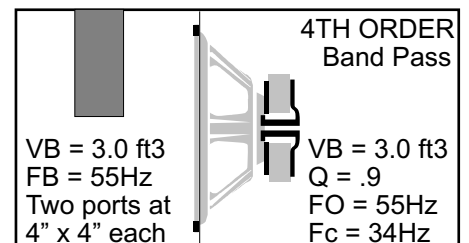
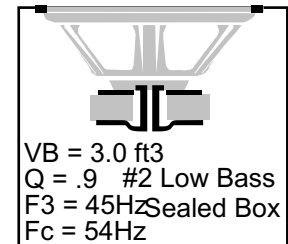
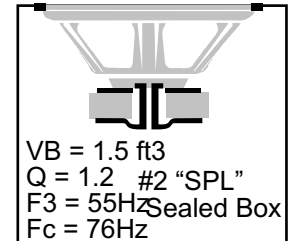
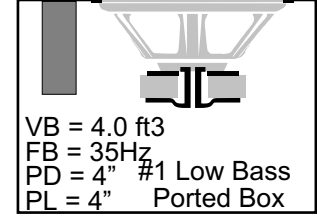
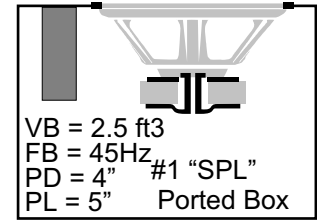
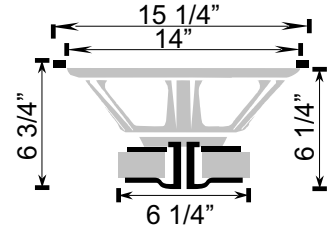
DBR-10



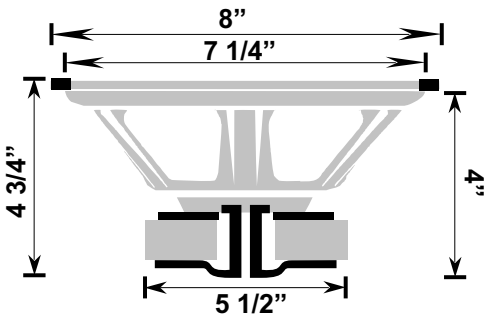
DBR-12



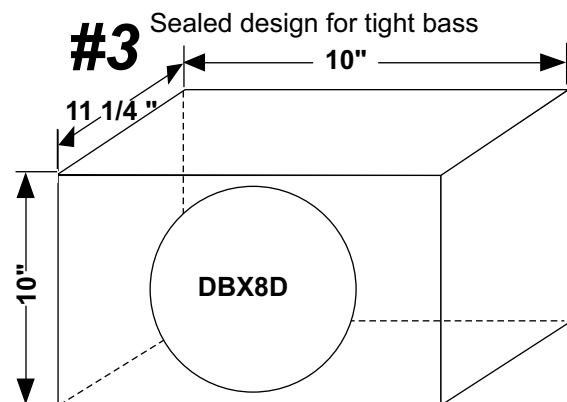
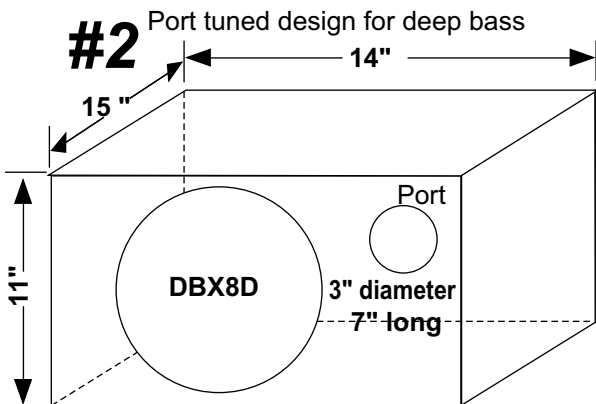
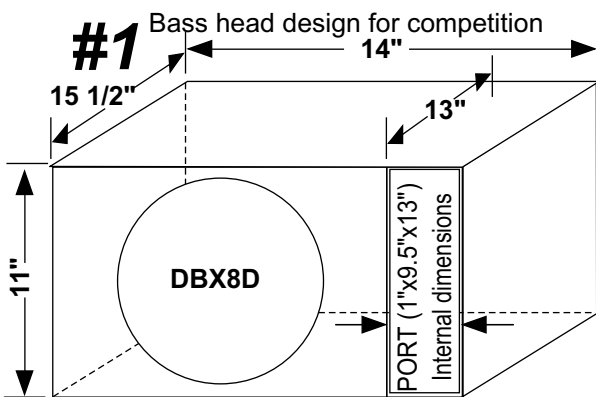
DBR-15



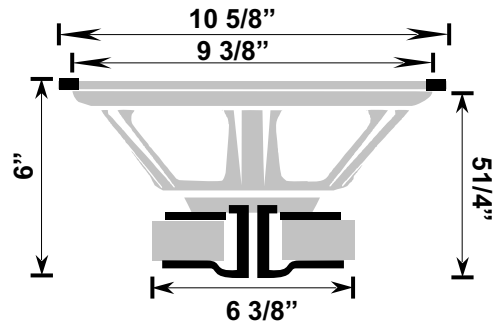
DBXR-8D



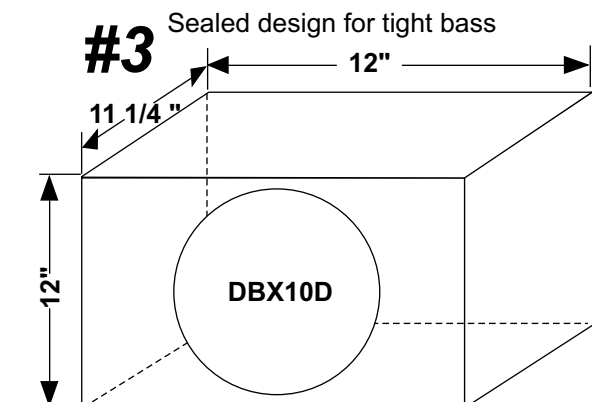
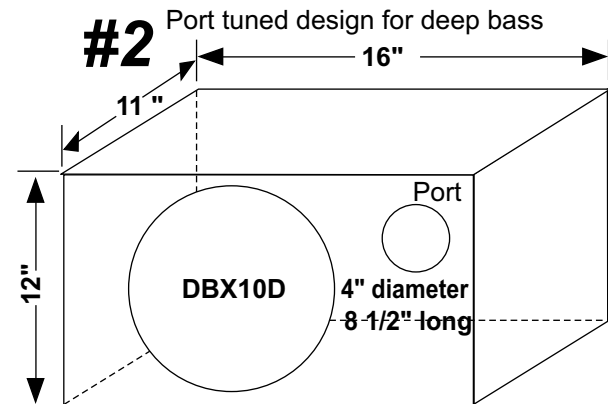
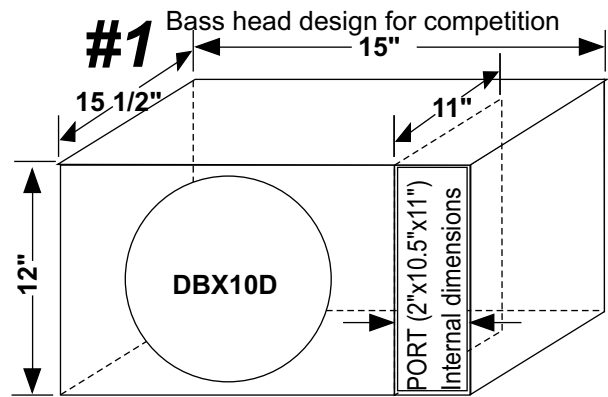
(External Dimensions using 3/4" MDF)



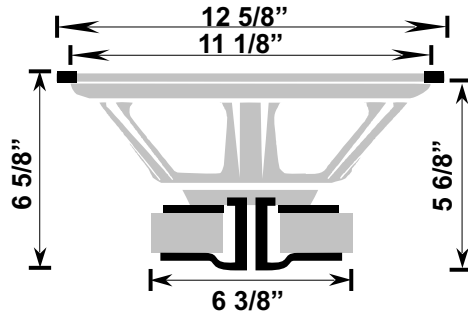
DBXR-10D & DBXR-10



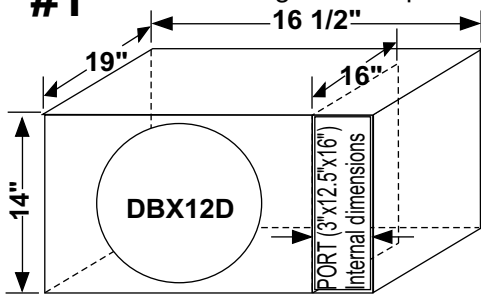
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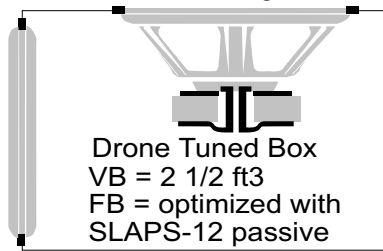
DBXR-12D & DBXR-12



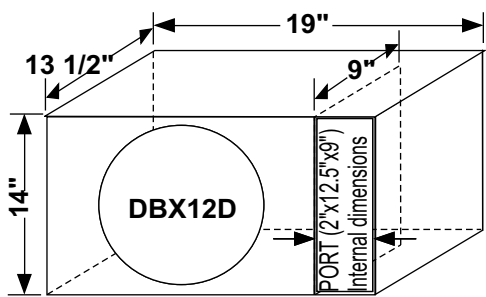
#1 Bass head design for competition



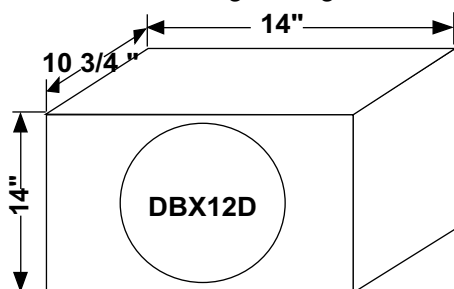
#1 Passive tuned design for



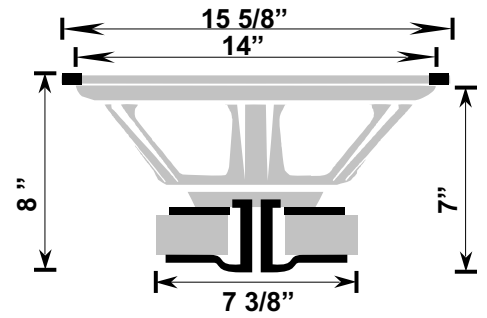
#2 Port tuned design for deep bass



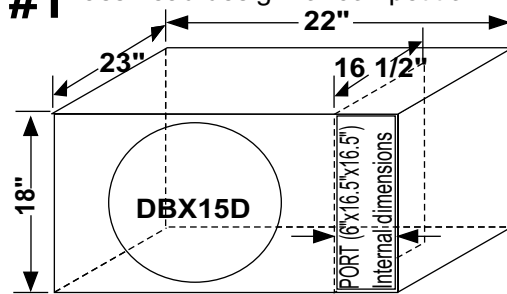
#3 Sealed design for tight bass



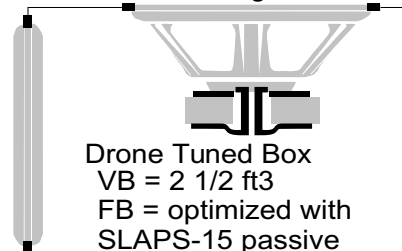
DBXR-15D



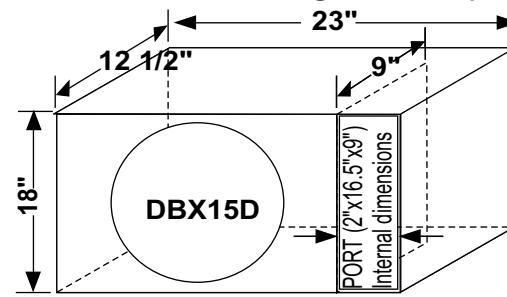
#1 Bass head design for competition



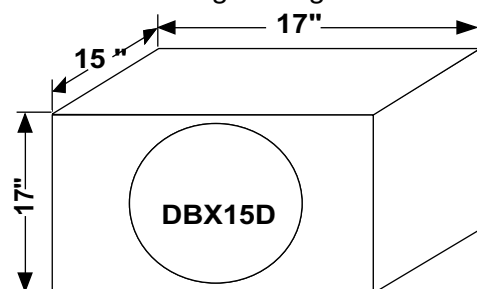
#1 Passive tuned design for



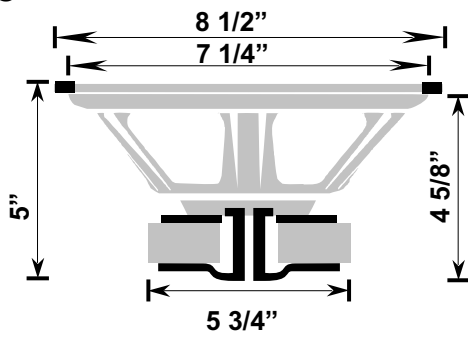
#2 Port tuned design for deep bass



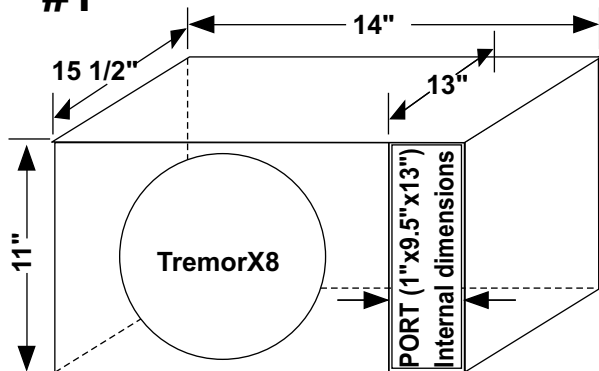
#3 Sealed design for tight bass



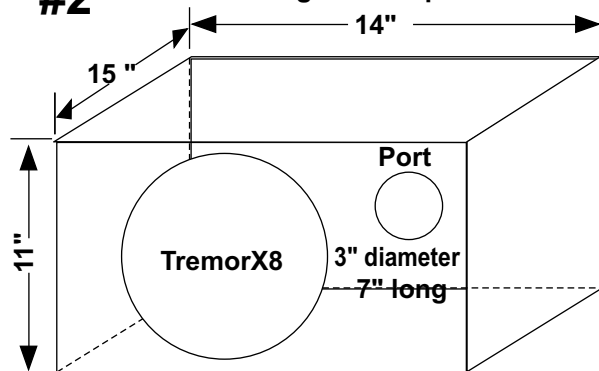
TremorX-8



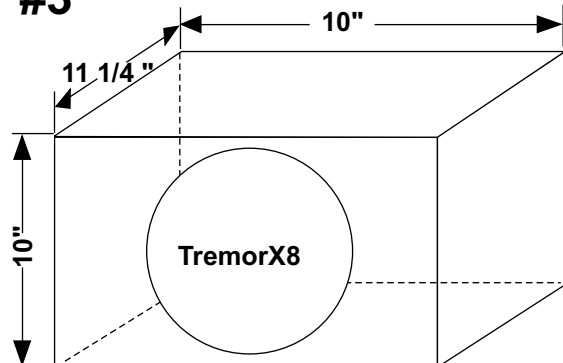
#1 Bass head design for competition



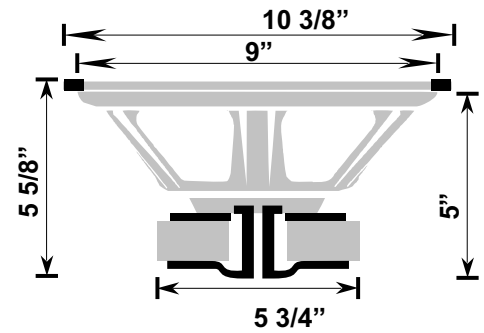
#2 Port tuned design for deep bass



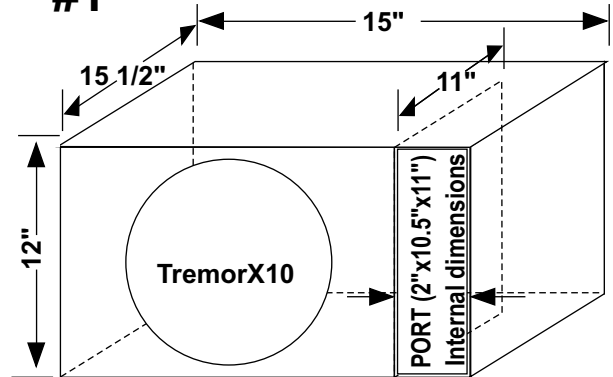
#3 Sealed design for tight bass



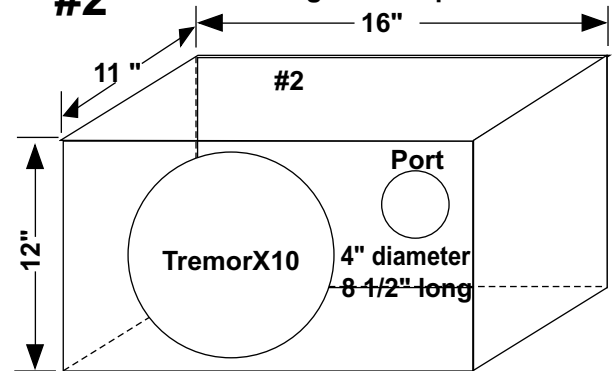
TremorX-10



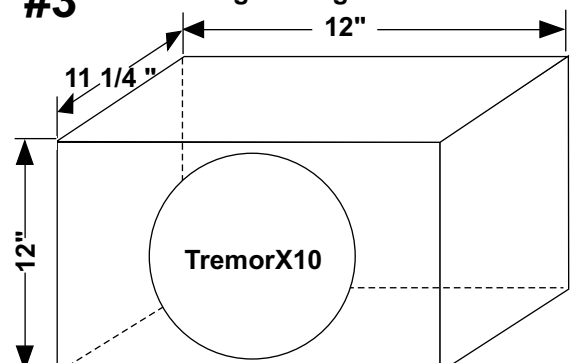
#1 Bass head design for competition



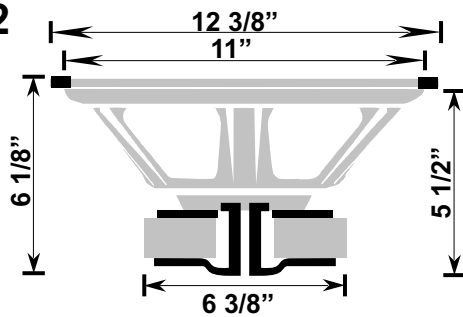
#2 Port tuned design for deep bass



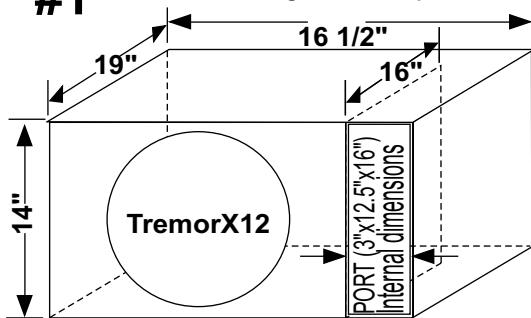
#3 Sealed design for tight bass



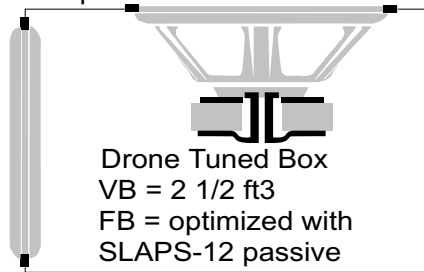
TremorX-12



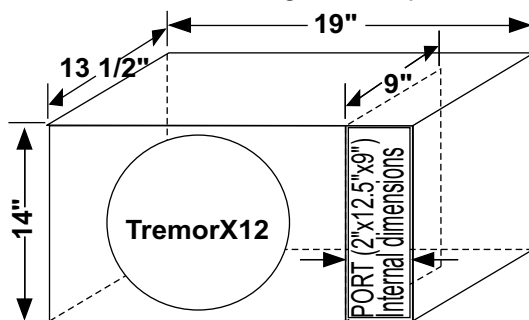
#1 Bass head design for competition



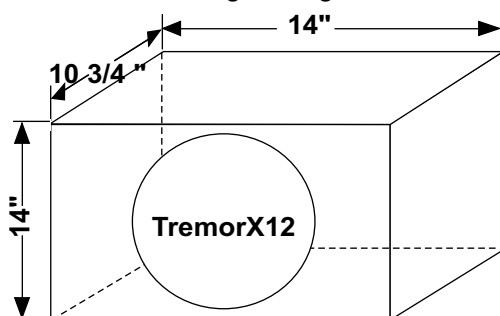
#1 Passive tuned design for deep bass small volume



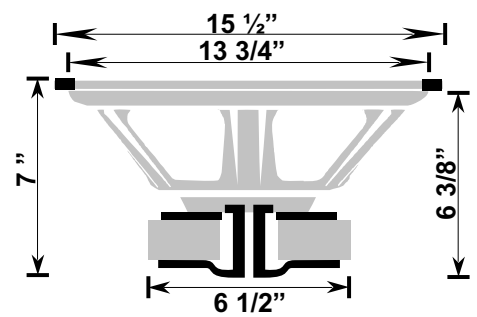
#2 Port tuned design for deep bass



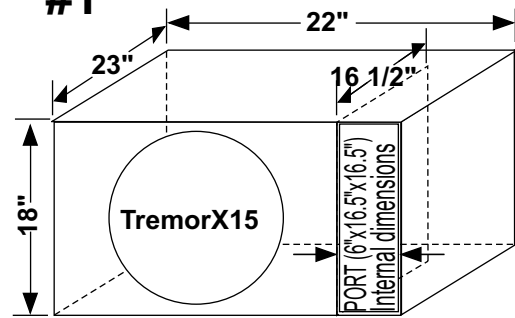
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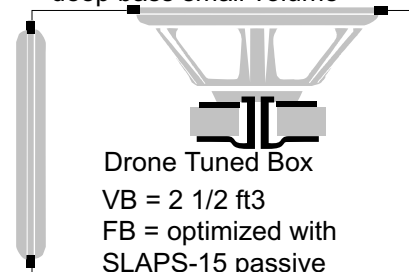
TremorX-15



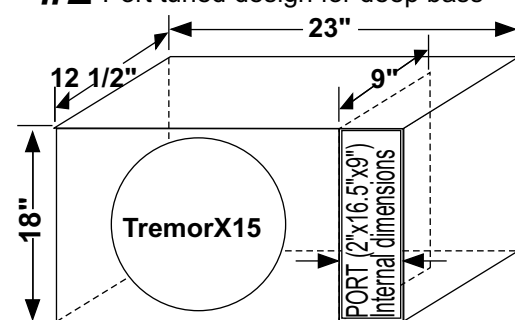
#1 Bass head design for competition



#1 Passive tuned design for deep bass small volume



#2 Port tuned design for deep bass



#3 Sealed design for tight bass

