Enclosure Recommendations

Optimum Sealed Volume

Internal volume: 1.1ft3/31.15L

Enclosure "Q": 0.95 -3dB response: 39Hz Efficiency: 87.6dB

Maximum power handling: 400 watts





17.5"

Cu. feet/liters	"Q"	-3dB	Efficiency	PE
small sealed volume: .75/21.24	1.1	43Hz	88.6dB	400 watts
large sealed volume: 1.48/41.91	.85	37Hz	87.1dB	400 watts

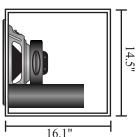
Optimum Vented Volume

Internal volume: 1.8ft3 / 50.97L

Tuning frequency: 31Hz Port (D x L): 4" x 16.15" -3dB response: 32Hz Efficiency: 90.2dB

Maximum power handling: 300watts





Cu. feet/liters	Tune to	Port	-3dB	Efficiency	PE
small vented volume: 1.5/42.48	33Hz	4" x 17.3"	35Hz	90.7dB	300watts
large vented volume: 2.1/59.47	28Hz	4" x 17.1"	30Hz	89.3dB	350watts

Optimum Bandpass Volume

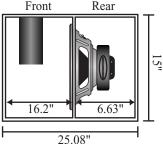
Front volume: 1.7ft3 / 48.14L Rear volume: .7ft3 / 19.82L Tuning frequency: 63Hz Port (D x L): 6" x 6.2" -3dB response: 41 - 89Hz

Efficiency: 94.6dB

Maximum power handling: 400w



15"



Front cu. ft/liters	Rear cu.ft/liters	Tune to	Port	-3dB	Efficiency	PE
1.5 /42.48	.6 / 16.99	68Hz	6" x 5.9"	44 – 101Hz	94.1dB	400watts
1.9 / 53.8	.8 / 22.65	57Hz	6" x 2.1"	38 – 82Hz	93.6dB	400watts

^{*}Note: Dimensions given require the use of 0.75" (19mm) board.

Damping Material

The most common damping materials used are Dacron and Polyfill. Reclaimed fiber underlay has been discovered to be an excellent substitute especially when glued directly to the walls of the enclosure. Fiberglass may be used, but please limit usage to sealed enclosures only. When used in vented/bandpass enclosures, fiberglass fibers escaping through the port may be hazardous to your health

SEALED ENCLOSURE VENTED ENCLOSURE BANDPASS (sealed chamber) BANDPASS (vented chamber) DACRON/POLYFILL loosely fill the enclosure line 3-5 walls line 3 walls line 1 wall (optional) UNDERLAY FIBERGLASS
line 5 walls line 1-3 wall Please limit the use of line 1-3 wall fiberglass to sealed line 1 wall (optional) enclosures only

Specifications

Specifications				
P112				
12" Subwoofer, Single Voice Coil				
5.95/151				
10.9/277				
4 ohms				
200 watts				
400 watts				
800 watts				
2.25", 4 layer				
60 oz.				
20Hz to 250Hz				
19.8Hz				
.404				
6.795				
.382				
5.01/141.76				
.42/10.75				
1.4/35.6				
87dB				

Power Ratings

Rating the power handling of subwoofers is not a difficult task. However, understanding power ratings is often confusing. Many times the Maximum Power Ratings are viewed as the RMS power handling of the driver, when in actuality Maximum is generally the break point of the driver. This has lead Crossfire to come up with a system to rating the power necessary to drive our subwoofers. Please read the following cautiously before choosing your amplifier.

Nominal power handling

-Nominal power handling is the power rating given by Crossfire at which the subwoofer will experience minimal mechanical degradation over time when using a recommended enclosure. In other words, this is the recommended power to be used per woofer to assure long life.

Maximum power handling (PE)

-Maximum power handling is the power rating given by Crossfire at which the subwoofer could experience a high amount of mechanical degradation that may lead to possible failure over time when using a recommended enclosure. In other words, do not exceed this power level for extended periods of time.

Dynamic power handling

-Dynamic power handling is the power rating given by Crossfire for peak transients and short bursts. Continuous playing at or above this level will cause mechanical failure and/or thermal failure. In other words, this power level should never be attained with the exceptions of approved SPL competition vehicles. This could possibly void your warranty.

^{**}Be sure to add in .068ft3 / 1.93L for driver displacement in all "Other"