



The Sound That Will Move You

**Pro-X  
Professional  
Woofers  
(Pro-X128 / Pro-X158 / Pro-X184)**

**Installation  
&  
Reference Manual**



[www.earthquakesound.com](http://www.earthquakesound.com)

[www.earthquakesound.com](http://www.earthquakesound.com)

Earthquake Sound Corporation •  
2727 McCone Avenue Hayward, CA 94545 •  
Ph: (510) 732-1000 Fax (510) 732-1095

Earthquake Sound Corporation •  
2727 McCone Avenue Hayward, CA 94545 •  
Ph: (510) 732-1000 Fax (510) 732-1095

# INTRODUCTION / SPECIFICATIONS

# Pro-X128 ENCLOSURE DESIGNS

Dear Valued Customer,

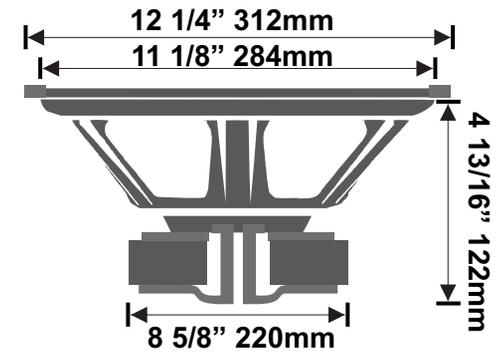
Earthquake Sound Corporation, located in Hayward California; specializes in manufacturing high end car audio products ranging from the smallest titanium tweeter to the world's largest amplifiers & subwoofers.

This owners manual is designed to better acquaint you with the Pro-X woofers 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's Pro-X woofers are capable of generating high sound pressure levels. You should exercise caution when operating our woofers and amplifiers. Long term exposures to high levels of sound pressure will cause permanent hearing damage. Sound pressure levels exceeding 85dB can be dangerous with constant exposure. Earthquake Sound Corporation does not assume liability for damages resulting from the direct use of or other Earthquake products, and urges users to play sound systems at moderate listening levels for every day use.

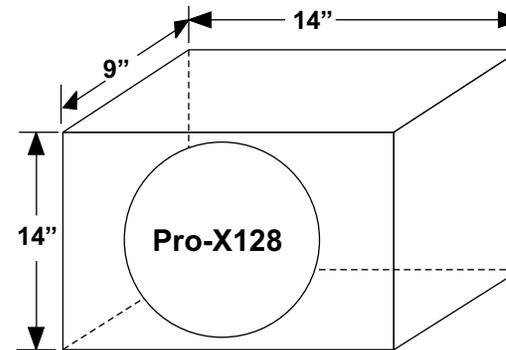
DRIVER:	Pro-X128	Pro-X158	Pro-X184
Free Air Resonance (Fs)	49 Hz	42 Hz	36 Hz
Electrical "Q" (Qes)	0.362	0.506	0.732
Mechanical "Q" (Qms)	7.619	9.183	8.44
Total Speaker "Q" (Qts)	0.345	0.480	0.666
Xmax	1/2" / 12.7mm	3/4" / 19mm	1" / 25mm
Efficiency (1W/1M)	96 dB SPL	97.5 dB SPL	98 dB SPL
REVC	6 Ohm	6 Ohm	3.5 Ohm
BL	19.453TM	18.986TM	11.227TM
VAS	66Lt / 2.34ft <sup>3</sup>	121Lt / 4.25ft <sup>3</sup>	386Lt / 13.6ft <sup>3</sup>
Nominal Impedance	8-Ohm	8-Ohm	4-Ohm
Voice Coil Size	4" / 100mm	4" / 100mm	4" / 100mm
Recommended Power	600 WRMS 1200 Watts MAX	700 WRMS 1400 Watts MAX	800 WRMS 1600 Watts MAX

Specifications are subject to change without notice.



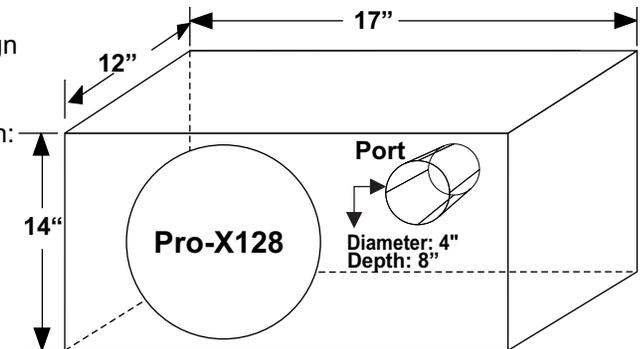
**Woofer Cut Out Diameter:**  
11 1/8" (284mm)  
**Woofer Mounting Depth:**  
4 13/16" (122mm)

**#1** Sealed design for tight bass.  
Sealed box recommendation:  
1-1.25cu.ft.



**Tuning Frequency:** 50 Hz  
**Subwoofer Displacement:** 280 Cubic Inches

**#2** Port tuned design for deep bass.  
Ported box recommendation:  
1.5-1.75cu.ft.

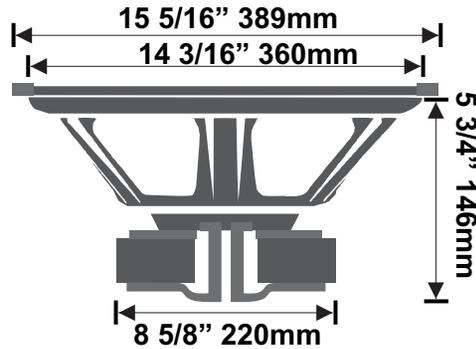


**Tuning Frequency:** 40Hz  
**Port Displacement:** 100 Cubic Inches  
**Subwoofer Displacement:** 280 Cubic Inches

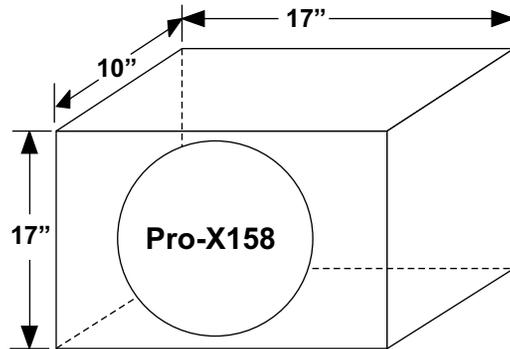
Dimensions shown are external using 3/4" MDF

## Pro-X158 ENCLOSURE DESIGNS

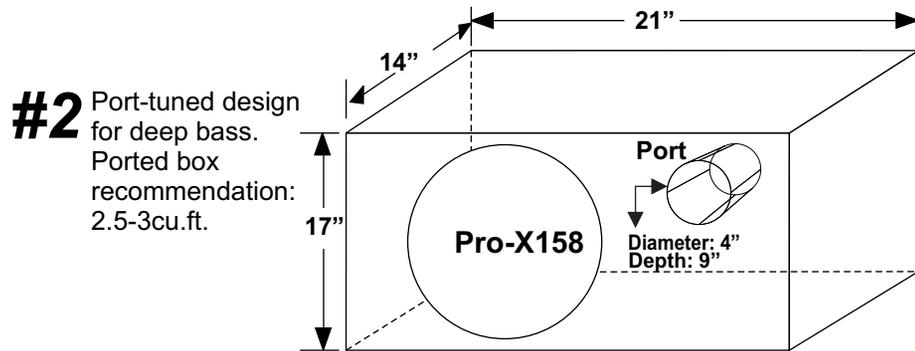
**Woofer Cut Out Diameter:**  
14 3/16" (360mm)  
**Woofer Mounting Depth:**  
5 3/4" (146mm)



**#1** Sealed design for tight bass.  
Sealed box recommendation:  
1.75-2.25cu.ft.



**Tuning Frequency:** 45 Hz  
**Subwoofer Displacement:** 460 Cubic Inches

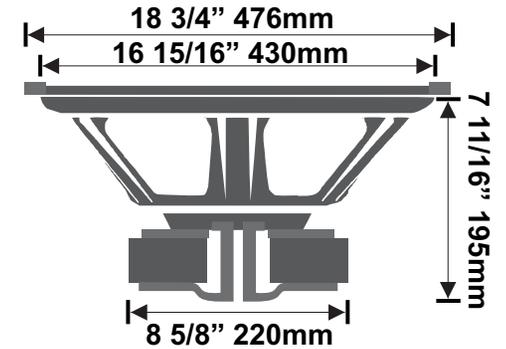


**Tuning Frequency:** 35 Hz  
**Port Displacement:** 115 Cubic Inches  
**Subwoofer Displacement:** 460 Cubic Inches

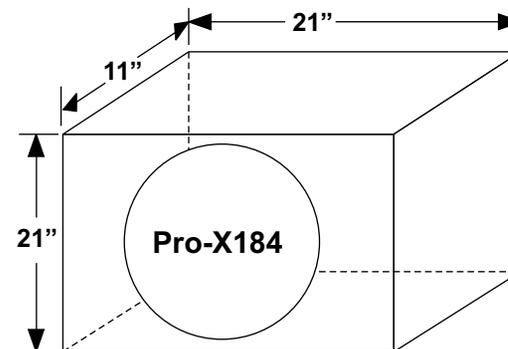
Specifications are subject to change without notice.

## Pro-X184 ENCLOSURE DESIGNS

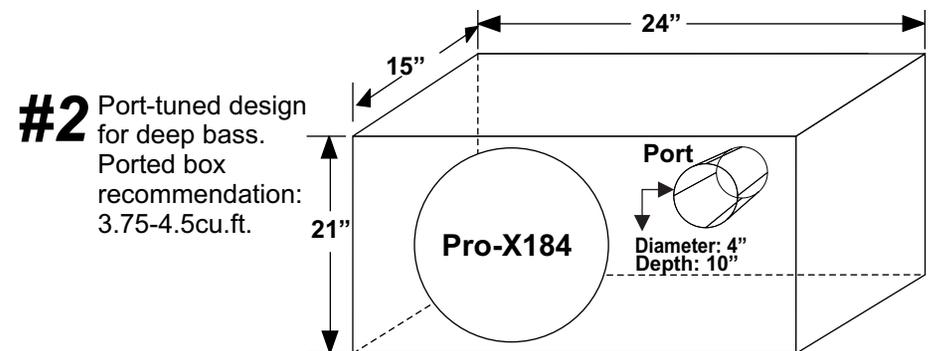
**Woofer Cut Out Diameter:**  
16 15/16" (430mm)  
**Woofer Mounting Depth:**  
7 11/16" (195mm)



**#1** Sealed design for tight bass.  
Sealed box recommendation:  
2.75-3cu.ft.



**Tuning Frequency:** 40 Hz  
**Subwoofer Displacement:** 902 Cubic Inches



**Tuning Frequency:** 32 Hz  
**Port Displacement:** 126 Cubic Inches  
**Subwoofer Displacement:** 902 Cubic Inches

Dimensions shown are external using 3/4" MDF

# Pro-X Ninety (90) Days Limited Warranty

## Ninety (90) Days limited warranty

Earthquake warrants the original purchaser that all Factory Sealed New Audio Products to be free from defects in material and workmanship under normal and proper use for a period of ninety (90) days from the date of purchase (as shown on the original bill of sale with serial number affixed/written on it). The ninety (90) days warranty period is valid only if an authorized Earthquake dealer properly installs the product and the warranty registration card is properly filled out and sent to Earthquake Sound Corporation. If a non-authorized party installs the product no warranty period will be applied.

### **(A) Ninety (90) days limited warranty plan coverage guidelines:**

Earthquake pays for labor, parts, and ground freight (only in US mainland, not including Alaska and Hawaii) / (shipping to us is not covered).

### **(B) Warning:**

Products (sent for repair) that are tested by Earthquake technicians and deemed to have no problem(s) will not be covered by the ninety (90) days limited warranty. **Customer will be charged a minimum of one (1) hour of labor (at the ongoing rates) plus shipping charges back to customer.**

### **(C) Earthquake will repair or replace - at our option - all defective products/parts subject to the following provisions:**

- Defective products/parts have not been altered or repaired by other than an Earthquake factory-approved technician.
- Products/parts are not subjected to negligence, misuse, improper use or accident, damaged by improper line voltage, used with incompatible products or have its serial number or any part of it altered, defaced or removed, or have been used in any way that is contrary to Earthquake's written instructions.

### **(D) Warranty Limitations:**

Warranty does not cover products that have been modified or abused, including but not limited to the following:

- Damages to speaker cabinet and cabinet finish due to misuse, abuse or improper use of cleaning materials/methods.
- Bent speaker frame, broken speaker connectors, holes in speaker cone, surround & dust cap, burnt speaker voice coil.

## PRODUCT REGISTRATION

Your subwoofer(s) must be registered by returning the Product Registration found inside the box or by visiting [www.earthquakesound.com/form\\_reg.htm](http://www.earthquakesound.com/form_reg.htm). Please also retain the bill of sale, which represents proof of purchase and helps expedite warranty issues.

- Fading and or deterioration of speaker components & finish due to improper exposure to elements.
- Bent amplifier casing, damaged finish on the casing due to abuse, misuse or improper use of cleaning material.
- Burnt tracers on PCB.
- Product/part damaged due to poor packaging or abusive shipping conditions.
- Subsequent damage to other products.

**A** warranty claim will not be valid if the warranty registration card is not properly filled & returned to Earthquake with a copy of the sales invoice. Warranty card is found inside the box with the product.

### **(E) Service Request:**

To receive product service, contact Earthquake service department at (510) 732-1000 and request an RMA number (Return Material Authorization). Items shipped without a valid RMA number will be refused. Make sure you provide us with your complete/correct shipping address, a valid phone number, and a brief description of the problem you are experiencing with the product. In most cases, our technicians might be able to resolve the problem over the phone; thus, eliminating the need to ship the product.

### **(F) Shipping Instructions:**

Product(s) must be packaged in its original protective box(es) to minimize transport damage. Shipper claims regarding items damaged in transit must be presented to carrier. Earthquake Sound Corporation reserves the right to refuse improperly packed product. Original bill of sale must accompany product returned for service. We encourage you to include with the package a written description of the problem. Ship product to: Earthquake Sound Corp. 2727 Mc Cone Avenue, Hayward, CA 94545. Ph (510) 732-1000. You are responsible for the cost of shipping the product to Earthquake Sound Corporation.

### **(G) Disputes Resolution:**

All disputes - between clients and Earthquake Sound Corporation - resulting from the five (5) years limited warranty policy must be resolved according to the laws & regulations of the county of Alameda -California.

We recommended that you place or write your serial number here for future reference, if necessary.

SERIAL NUMBER