

AQW10

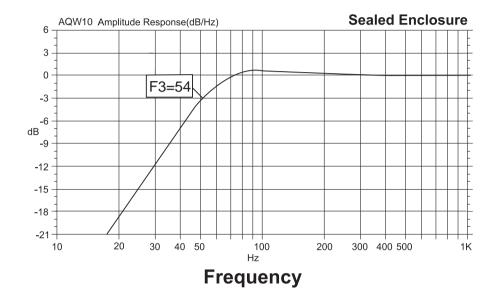
10" High Power Marine Subwoofer



USER'S MANUAL

Recommended Enclosures

Please note: Our recommended box volumes are given for internal air requirements.

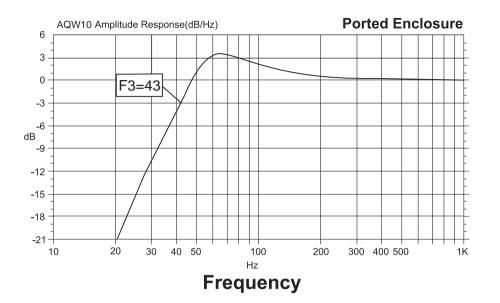


Sealed Enclosure

Box Volume: 0.7 Cu Ft

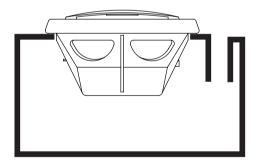


Box is given as internal air volume including driver displacement



Ported Enclosure

Box Volume: 1.0 Cu Ft



Box is given as internal air volume including driver displacement

Port Frequency: 45 Hz

Port Diameter : 3 Inches Port Length : 7 Inches

Product Specifications

Speaker Impedance	table	4 ohms
Free Air Resonance	(Fs)	31
Total Q Driver @ FS including all resistance's	(Qts)	0.426
Q of the Driver @ FS including non electrical resistance only	(Qms)	6.364
Q of the Driver @ FS including electrical resistance only	(Qes)	0.457
The Driver's compliance expressed as an equivalent	(Vas)	2.28
Volume of all (cubic Ft.)		
The Driver's linear displacement (inches)	(Xmax)	0.156
The DC resistance of the driver's single voice coils(ohm)	(Re)	3.6
Thermal Power rating of Driver (R.M.S./Peak)	(Pe)	400W/800W
The Driver's sensitivity (dB)	(Sens)	89

Calculating Enclosures

It is difficult to give exact box dimensions that are universal for all cars and trucks. It is for this reason that you must be able to calculate the space which you have available in order to achieve the proper air volume required.

It is recommended to build your enclosure from 3/4" thick MDF (medium density fiberboard). Make sure the enclosure is sealed air tight.

Calculating External Volume

- 1) To calculate box volume, measure the outside Width x Height x Depth of the enclosure. Example: 12" x 14" x 9" = 1512"
- 2) Next you must convert cubic inches into cubic feet. To do this, you must divide the cubic inch total by 1728". Example: 1512 ÷ 1728 = .875 Cubic feet

Calculating Internal Volume

- 1) To calculate the internal (net) volume of the above box you must first multiply the thickness of the wood you are using by Two (2) Example: 3/4" x 2" = 1.5"
- 2) Next Subtract 1.5 from each of the <u>outside measurements</u> of the box. Width 12-1.5 = 10.5 Height 14-1.5 = 12.5 Depth 9-1.5 = 7.5
- 3) Multiply the new totals (H x W x D) Example: $10.5 \times 12.5 \times 7.5 = 984.375$
- 4) Next you must convert cubic inches into cubic feet. To do this, you must divide the cubic inch total by 1728" Example: 984,375 ÷ 1728 = .5696 Cubic feet

Thank you for purchasing a *Lanzar* subwoofer. This is a state-of-the-art product carefully designed and manufactured for vehicle use. Like all *Lanzar* products. this subwoofer has been thoroughly tested to ensure consistent, reliable performance. If you have any questions about the operation of your subwoofer that is not answered by this manual, contact your *Lanzar* dealer.

Precautions

- Before making holes, check the mounting space with supplied template.
- To prevent noise pick-up, keep the wiring of this unit away from motors, high-volage leads and other possible noise sources.
- To prevent short-circuit, keep all wiring away from moving parts and sharp edges.
- Make sure you have carefully read and understood the installation instructions.

10" Marine Subwoofer

(400 Watts RMS Sealed Enclosure)

- 10" High Quality Polypropylene Cone
- Butyl Rubber Surround
- Water-Resistant Construction
- Attachable Grille Design
- 2" High Temperature Kapton Voice Coil
- 60 Oz Magnet Structure
- 800 Watts Rated Peak Power
- Frequency Response: 38 3.5K Hz
- 4 Ohm Impedance
- Sensitivity: 89 dB
- Includes Custom Grills, Installation Hardware
- Mounting Depth: 4.45" (113 mm)■ Cut-out Size: 9.17" (233 mm)
- Sold as : Piece