



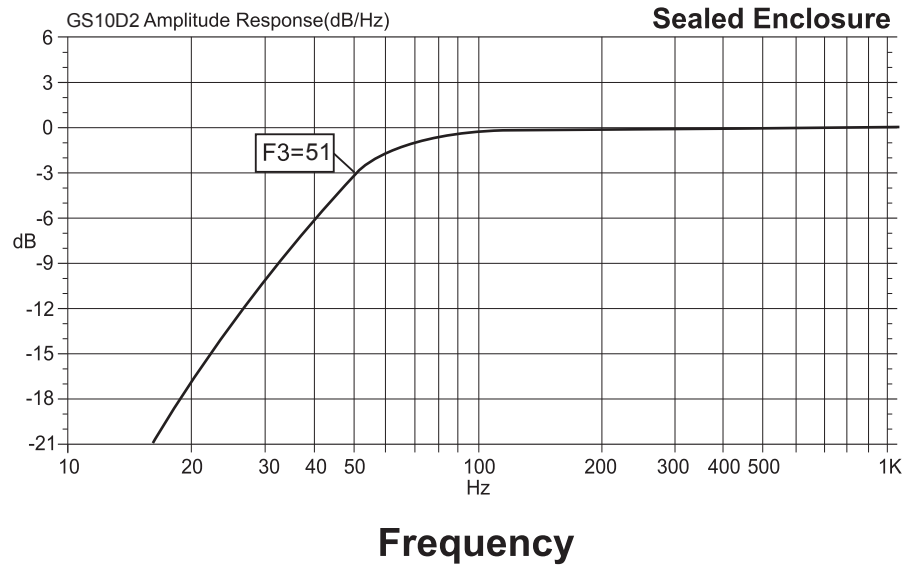
GS10D2
10-inch High Power
Dual Voice Coil Subwoofer

USER'S MANUAL



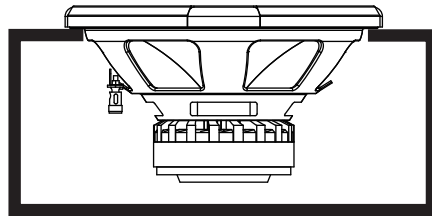
Recommended Enclosures

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

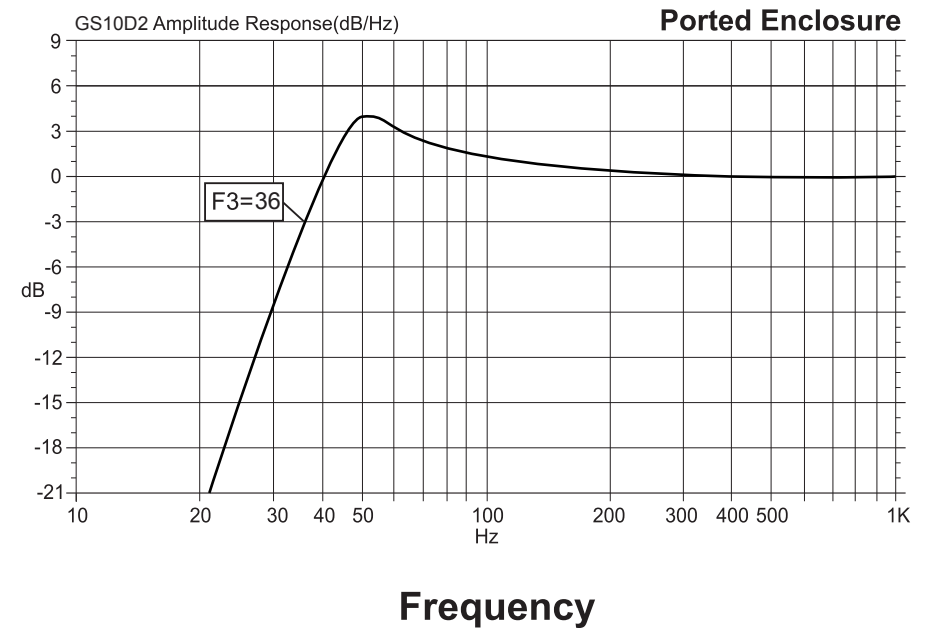


Sealed Enclosure

Box Volume : 0.6 Cu Ft

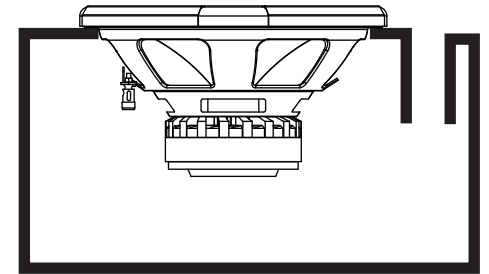


Box is given as internal air volume including driver displacement



Ported Enclosure

Box Volume :1.0 Cu Ft



Box is given as internal air volume including driver displacement

Port Frequency : 42.8 Hz
Port Diameter : 3 Inches
Port Length : 8 Inches

Product Specifications

Speaker Impedance	table	1 ohm	4 ohms
Free Air Resonance	(Fs)	33.68	33.68
Total Q Driver @ FS including all resistance's	(Qts)	0.447	0.469
Q of the Driver @ FS including non electrical resistance only	(Qms)	4.046	4.549
Q of the Driver @ FS including electrical resistance only	(Qes)	0.503	0.523
The Driver's compliance expressed as an equivalent	(Vas)	0.95	0.927
Volume of all (cubic Ft.)			
The Driver's linear displacement (inches)	(Xmax)	0.323	0.323
The DC resistance of the driver's single voice coils(ohm)	(Re)	1.0	4.0
Thermal Power rating of Driver (R.M.S./Peak)	(Pe)	250W/500W	250W/500W
The Driver's sensitivity (dB)	(Sens)	88	88

Calculating Enclosures

It is impossible to give exact, universal box dimensions for all cars and trucks, so you must calculate the space available in your vehicle to achieve the required air volume.

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.

Example 12" x 14" x 9" = 1512"

2) Next, convert cubic inches into cubic feet by dividing the cubic inch total by 1728".

Example 1512÷1728=.875 cubic feet.

Calculating Internal Volume

1) To calculate the internal volume of the above box, multiply the thickness of the wood you are using times two. Example: 3/4" x 2" = 1.5"

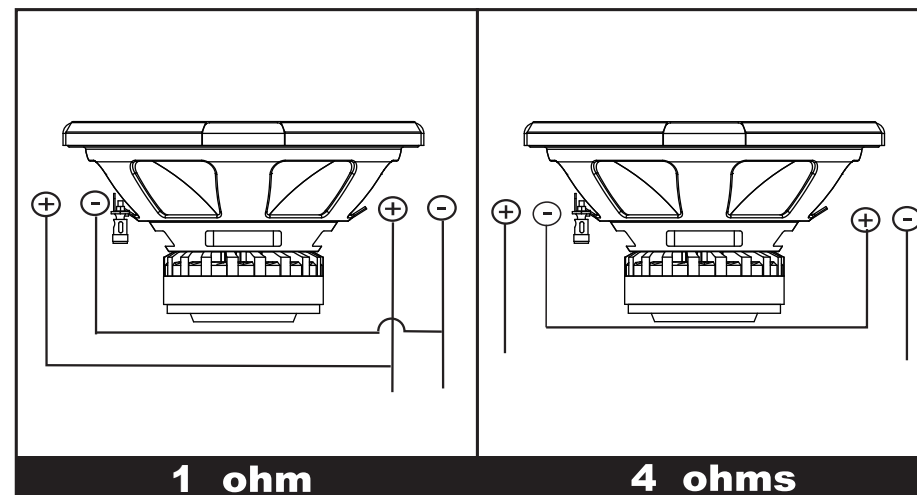
2) Next, subtract the result of step 1 (1.5" from our example) from each of the outside measurements of the box. Example: Width: 12 - 1.5 = 10.5", Height: 14 - 1.5 = 12.5", Depth: 9 - 1.5 = 7.5"

3) Multiply the new totals (H x W x D). Example: 10.5" x 12.5" x 7.5" = 984.375 cubic inches

4) Finally, convert cubic inches into cubic feet by dividing the cubic inch total by 1728". Example: 984.375÷1728=.5696 cubic feet.

Wiring

Please take every precaution to wire your DVC woofers for the correct impedance



10" High Power Subwoofer

(250 Watts RMS Sealed Enclosure)

SPECIFICATIONS:

- 10" BLACK MICA COATED PULP CONE
- OVERSIZED BUTYL RUBBER SURROUND
- 2" HIGH TEMPERATURE BKEISV VOICE COIL
- 55 OZ MAGNET / 110 OZ MAGNET STRUCTURE
- EXPANDED AND ROLLED STEEL BASKET
- CHROME PLATED TOP AND BOTTOM PLATES
- DIE CAST ALUMINUM HEATSINK
- NICKEL PLATED TERMINAL PLUG
- 500 WATTS MAX. / 250 WATTS RMS
- IMPEDANCE : 2 OHMS
- SENSITIVITY: 88 dB
- FREQUENCY RESPONSE: 34Hz-1000Hz