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# THIN 13

Many vehicles do not have tons of airspace available for a big, bulky enclosure. Some vehicle, like some crew-cab trucks have no space for a subwoofer. Until now… The THIN-13 is now the shallowest woofer on the market! Coming in at a mere 2" of depth, they will behind rear crew-cab truck seats, under many front seats, or even in a friggin' door with some custom fabrication! While other "shallow mount" subwoofers are available, they typically require traditional airspace. THIN-13 is 13.25" in diameter and not only does it play well in ½ cubic foot (typical for most 8"-10" woofers), but it reproduces lower frequency response than most 12" woofers in much larger enclosures. No more whining about not having a subwoofer available that will fit in virtually, every vehicle! THIN-13 has you covered…

## THIN-13 Features

Proprietary Cast Aluminum Basket
Polypropylene Cone
2" Mounting Depth

2" Voice Coil
Aluminum Voice Coil Former
Semi-Circular Basket Venting

## Driver Specifications

| T/S Spec | THIN-13 |
|---|---|
| FS (Hz) | 24.07 |
| QMS | 6.415 |
| VAS ($ft^3$) | 59.357 |
| X-MAX (mm) | 9.00 |
| QES | .701 |
| RE (Ω) | 3.6 |
| BL (Telsa) | 14.59 |
| Power (watts) | 700 |
| QTS | .632 |
| SPL (1w/1m dB) | 83.58 |
| Voice Coil | 2" SVC 4Ω |
| Overall Diameter | 13.25 |
| Overall Height | 2.5 |
| Mounting Depth | 2 |
| Cutout Diameter | 11.375 |
| Motor Diameter | 9.375 |
| Motor Height | 1.25 |
| Flange Width | .875 |
| Flange Height | .625 |

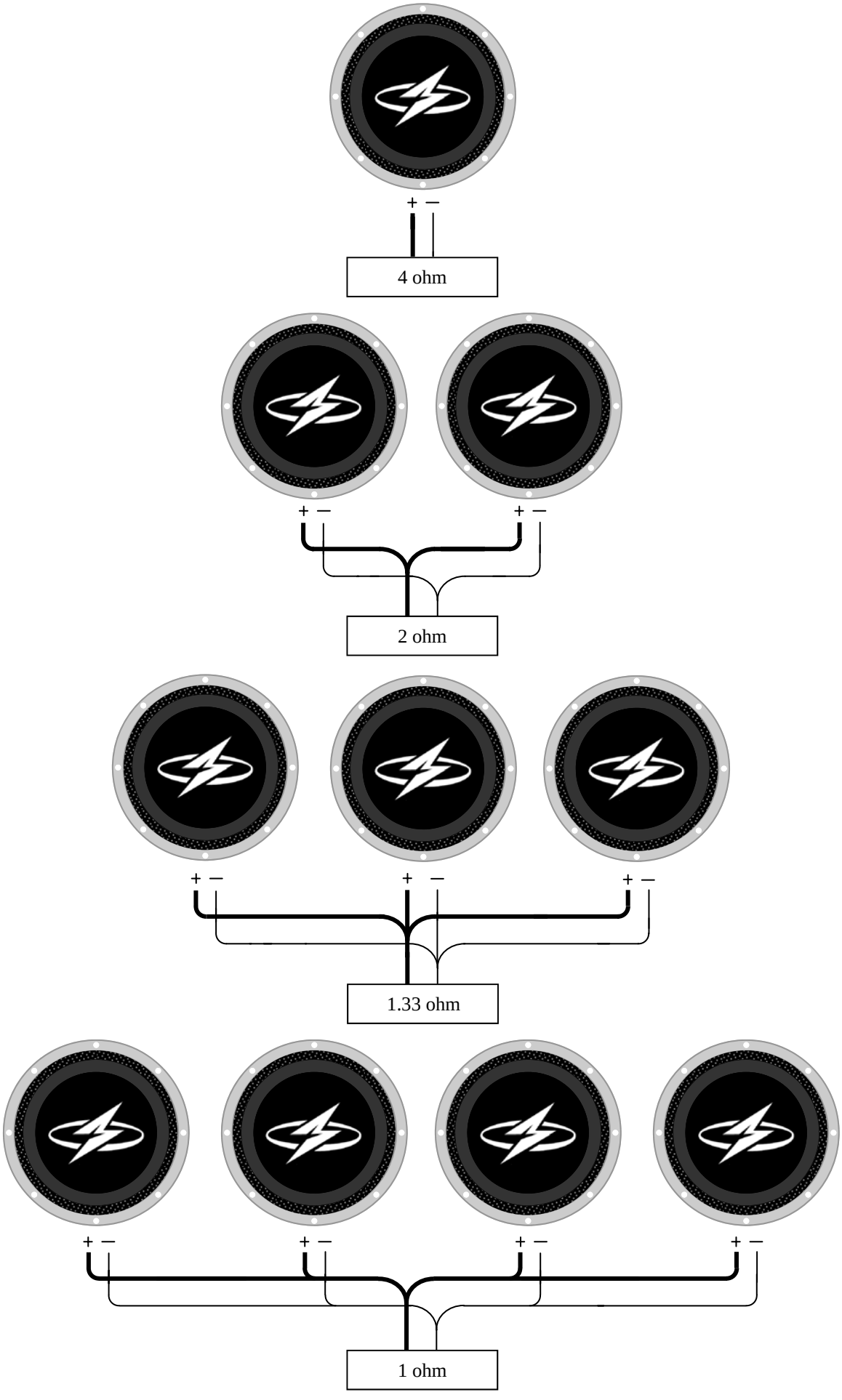
## Enclosure Recommendations

Typical subwoofer enclosures are made of ¾ "/19mm MDF. Building an enclosure for this driver may be quite tricky. For instance, if it's going behind the seat of truck, the enclosure may have to fabricated out of fiberglass. If this is the case, please use proper bracing on the largest sides to eliminate flexing and sacrificing the sound. If the driver is going to be put into an MDF enclosure, the size will be so small that ¾ " MDF may not be required. It is okay to use ½ "/13mm or 5/8"/16mm MDF. For optimum results, coat the insides walls with Fiberglass resin to seal the wood. Also, use bracing wherever necessary to eliminate flexing. Simple pieces of 2x2 can make all the difference in the world. There are a lot of myths and thoughts regarding the use of Poly-fill within the enclosure. Simply put, using Poly-fill in the enclosure will improve the quality of sound reproduction and we strongly suggest you do so.

| THIN 13 Sealed | |
|---|---|
| Cubic Feet | Tuning (Hz) |
| 1.25 | 41.2 |

| THIN 13 Ported | | |
|---|---|---|
| Cubic Feet | Port Diameter | FB/F3 (Hz) |
| 1.75 | 4" x 12.5" | 38/32 |

**Turn over for woofer wiring diagrams…**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