



Driver (shown way out of position for fun) to horn mouth approx. comparison:

The 3" driver hole size (at the throat inside the guitar horn) is shown in red, so the ratio of horn throat to mouth is approx. 2-1/2 times.

Now the horn opens to a much larger chamber at the driver, so this is not a true exponential horn, but it sure does work.



Roland 30W 8 ohm, ripped out of amp that might be used as an option, if using (4) drivers in the guitar horns.

Roland 15W 4 ohm, ripped out of amp being used.

Tectonic 20W 4 ohm used in guitar horns.

Tectonic 20W 4 ohm used in guitar horns:



Tectonic TEBM46C20N-4B BMR 3" Full-Range Speaker 4 Ohm

Tectonic Part # 297-2157 | Model: TEBM46C20N-4B

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The TEBM46C20N-4B 3" full-range from Tectonic offers extremely flat response from 200 to 20,000 Hz. It is an ideal driver for compact audio applications that require a full-range, high performance acoustic solution.

Key Features

- Bending-wave technology and pistonic modes of operation improve high frequency response
- Flat diaphragm increases dispersion for better off axis response
- Less than 1.375" deep for mounting in extremely shallow locations
- 2.67" across for close center-to-center spacing in line arrays

[See all items in Midrange / Midbass Drivers & Full-Range Speakers](#)

This looks like an older review of 3.50" 8 ohm Tectonic drivers (discontinued?). Similar to my 3" 4 ohm Tectonic drivers.

Customer Review



Savlaka

★★★★★ **Great little drivers.**

Reviewed in the United States us on February 15, 2014

Verified Purchase

ME : I have been building and repairing audio systems as a hobby for about 18 Years. I have done home , car and even some small stage systems...

I ordered 4 of these little 3" drivers to play around with. They are well built, good stiff baskets, strong honeycomb type plate cones, nice rubber surrounds.

Note that the suspension is quite tight to start with and needs to loosen up before they will perform properly. either through playing them or mechanically moving them to their limits a few times...

After they are "broken in" their average T/S are as follows:

Fs - 84.7

Qms - 4.35

Qes - 1.23

Qts - 0.958

Vas - 0.043 (cubic foot)

Re - 7.24 (Ohms)

Le - 0.120 mH @ 10KHz

Sensitivity - 80dB @ 1W1M

Pe - 20W

Pmax - 40W

I put 2 drivers into a 14" x 5.5" x 5.5" box (made from 1/4" MDF, with 1/2" MDF bracing) with a 0.5" x 4" slot port 6.6" long, stuffed with fiberglass.

they play very nicely, there is a bit of a peak at 120Hz of about 4dB... they play from 51Hz @ -3dB to 18KHz @ -3dB and from 210Hz-18KHz they are remarkably flat in response. the dispersion is Very wide and smooth.

i used two of these boxes running @ 15W RMS Ea. to play music out of my screen room to cover the back yard, they sounded like i was running a much larger set of speakers and fully covered the yard (220' x 100').

don't expect Massive SPL, or super Bass, but overall they perform quite well.



They don't have massive SPL or super bass, and I add: UNTIL YOU USE THEM WITH HORNS 😊



Both horns shown.