

This is why I look at coverage patterns and what happens beyond the -6 db downpoints. The modified tractrix polars, when compared to similar horns, have very well defined pie shaped polar patterns. In fact, I have figured out a way to make those pie shapes very sharp.

Q: Roy do you consider the K-402 a 90deg H by 60deg V Horn.

Roy: Yes, I consider the K-402 a 90x60 horn.

Q: Why would this horn be a very good choice for the average home listening room?

Roy: Why would it be a good horn for a home environment? Because it does control coverage patterns to a low frequency. People seem to be backward when it comes to the large horn. A large horn will work better in a small room precisely because of its ability to control to a low frequency. It keeps energy off the walls, floor and ceiling and therefore, reduces the reverberant sound field. In a small room, this can become very dominant. Think of it this way, take it to the extreme; if you listen to a 510 and 402 in an anechoic chamber, you will be surprised at how close they sound but in a large large room, the reverbant energy arrives very late and is not very dominate; except at low freqs.

K402: Dimensions: H= 25.5" W= 39.5" D= 16.25"
Excepts standard 2" exit 4-bolt drivers