



GRT-145-4 sealed ribbon tweeter

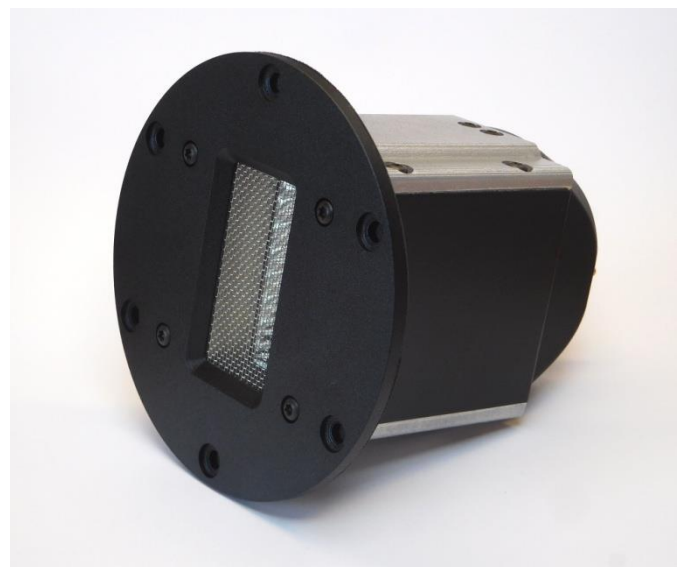
Viawave Audio proudly introduces a true world first in the GRT-145; the technology of sealing the air gap between the ribbon and the poles of the magnets. Developed by Viawave Audio, this technology is called SRT - the sealed ribbon tweeter.

In the SRT, the gap between the ribbon and the magnets is covered with a U-shaped heat-resistant polymer film suspension. This dramatically reduces harmonic distortions at low frequencies of the operating range whilst also increasing the sensitivity by 2-3 dB.

By combining our SRT technology and a powerful magnetic system, a unique sensitivity was achieved for a ribbon of 7 cm² - 95 dB/W/m in 4 - 18 kHz range. In a tweeter with a 4 Ohm impedance it corresponds to 98 dB/m at 2.83 V.

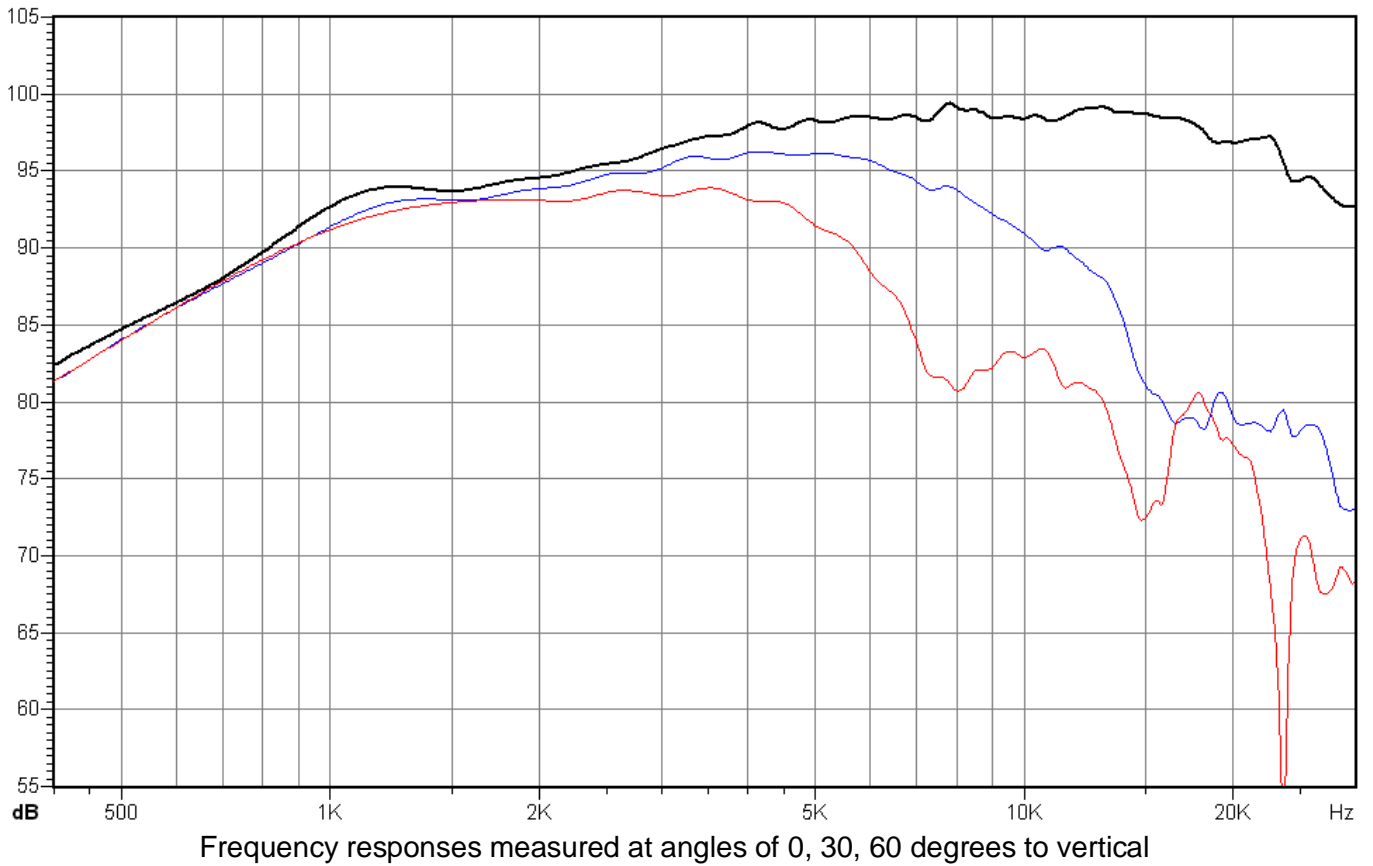
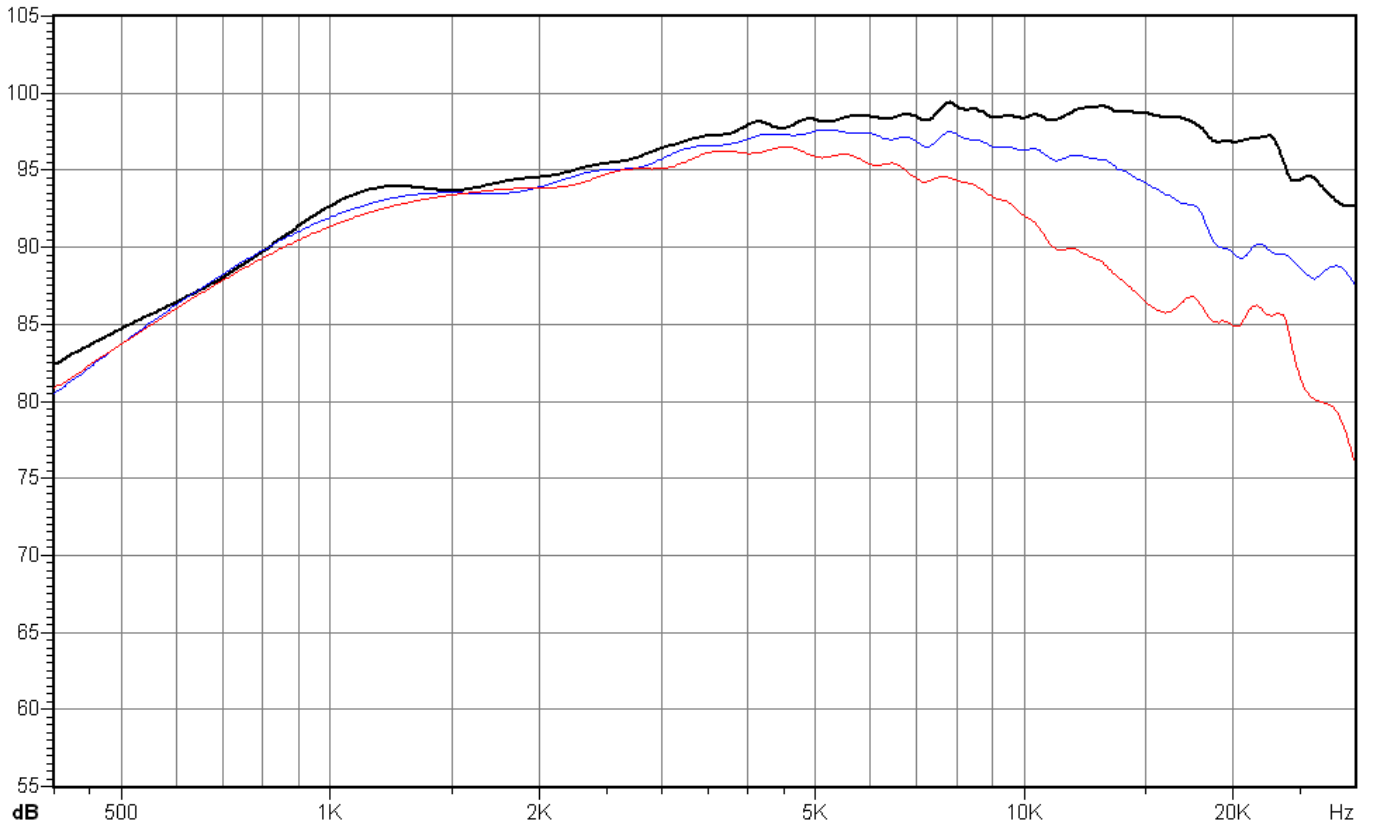
Electrical parameters:

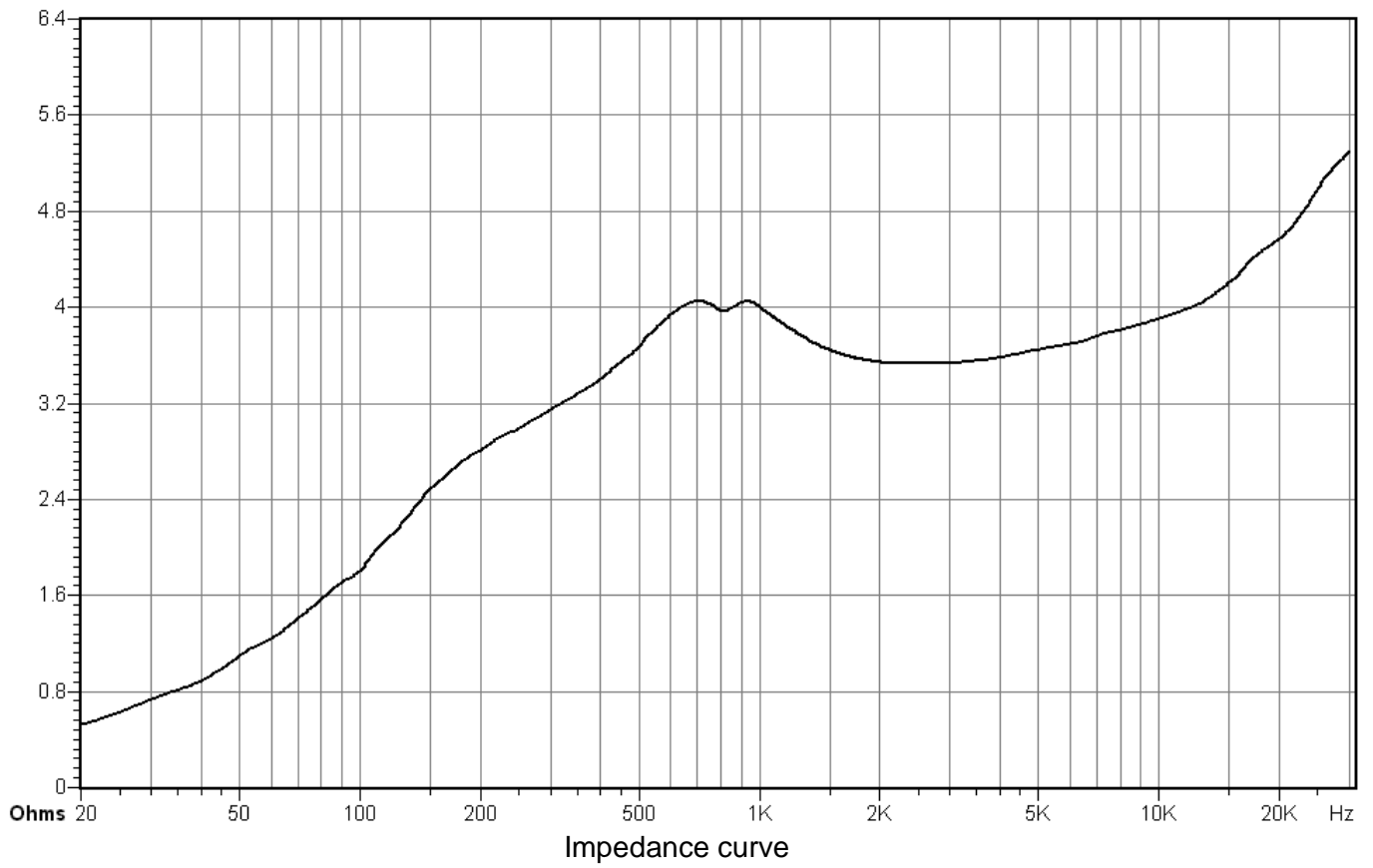
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|--------------------------------------|--------------------|
| Nominal impedance | 4 Ohms |
| Recommended frequency range | 1 800 – 30 000 Hz |
| RMS power handling | 17 W |
| Peak power handling | 40 W |
| Program power handling via HF filter | 150 W |
| 3000 Hz 12 dB/oct (IEC 268-5) | |
| Sensitivity (2.83V, 1m, 4 – 18 kHz) | 98 dB |
| Rear chamber resonance | 900 Hz |
| Ribbon dimensions | 14 x 50 x 0.009 mm |
| Ribbon area | 7 cm ² |
| Ribbon mass | 0.018 g |
| Input high frequency inductance | 0.017 mH |
| Input DC resistance | 0.06 Ohms |
| Input low frequency inductance | 3.5 mH |
| Magnetic gap flux density | 0.65 T |
| Net weight | 1.32 kg |



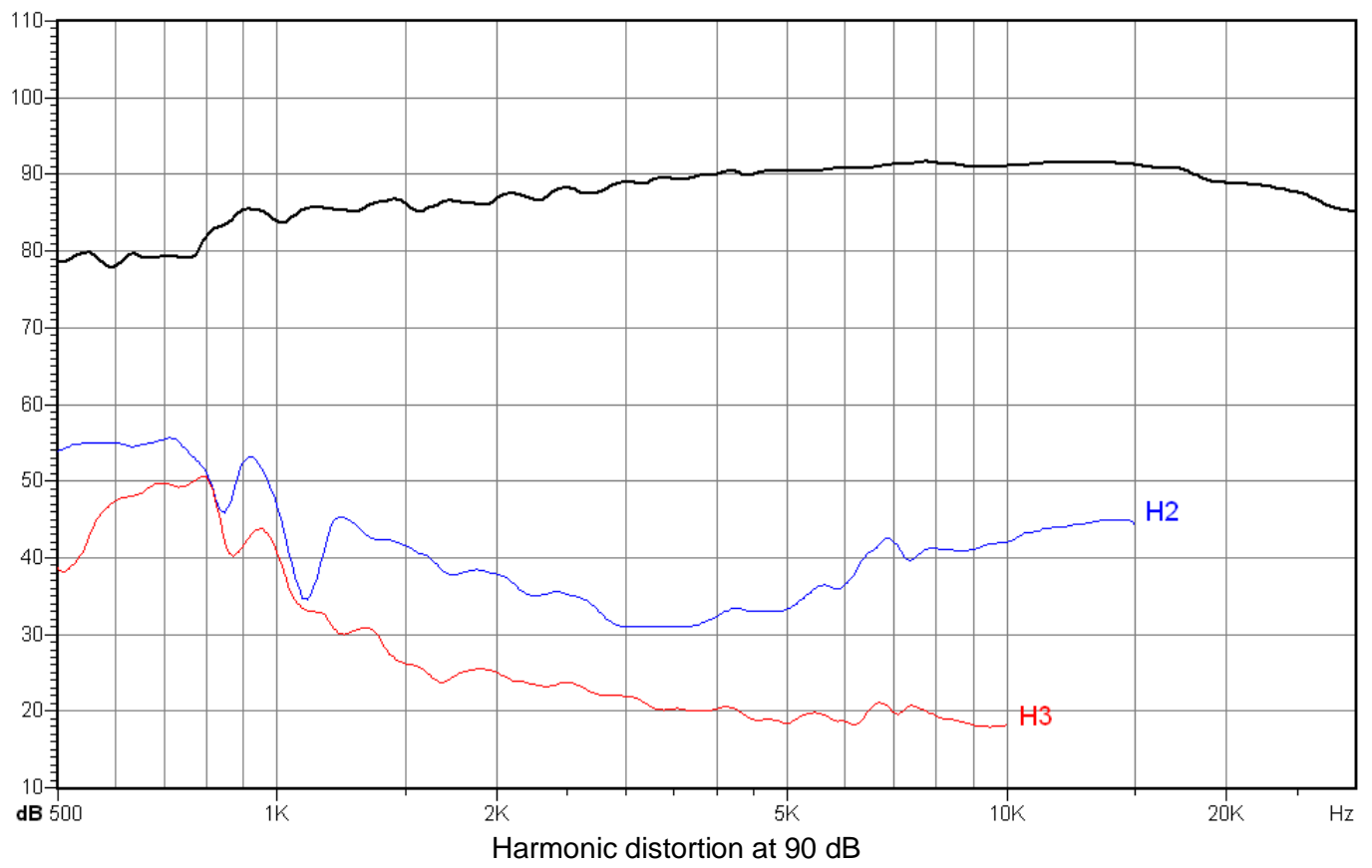
Materials:

| | |
|------------------|------------------|
| Ribbon | Aluminum |
| Front plate | Aluminum |
| Magnets | NdFeB |
| Magnetic circuit | Low carbon steel |
| Rear chamber | Natural wool |



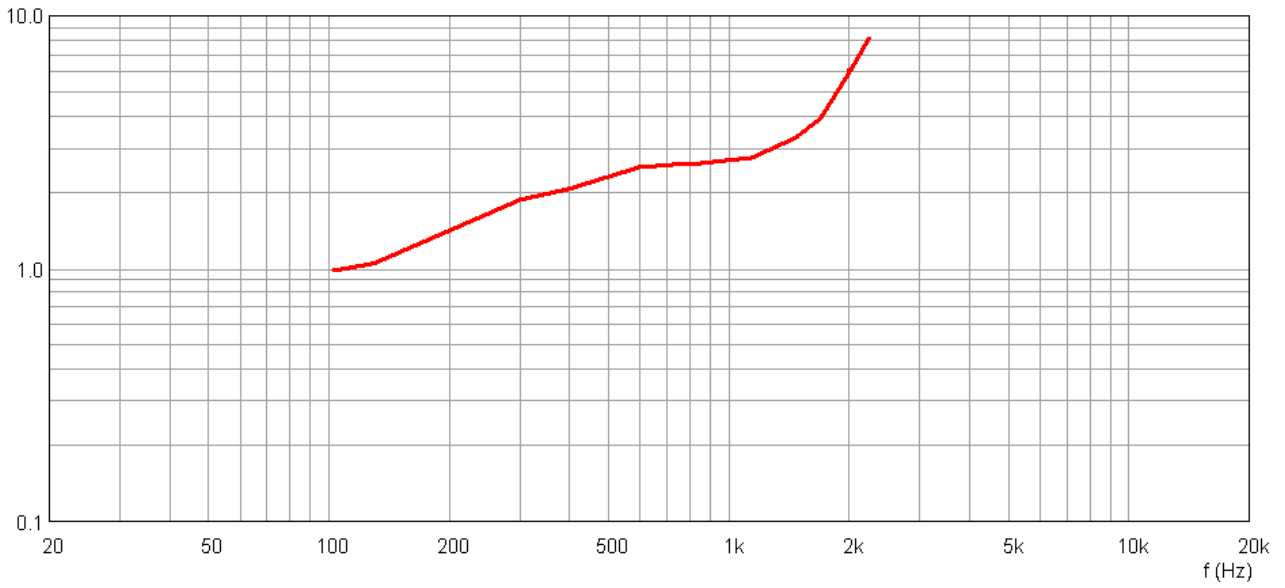


Impedance curve



Harmonic distortion at 90 dB

U, V(RMS)



The curve maximum RMS voltage at low frequencies.

