



GRT145 sealed ribbon tweeter

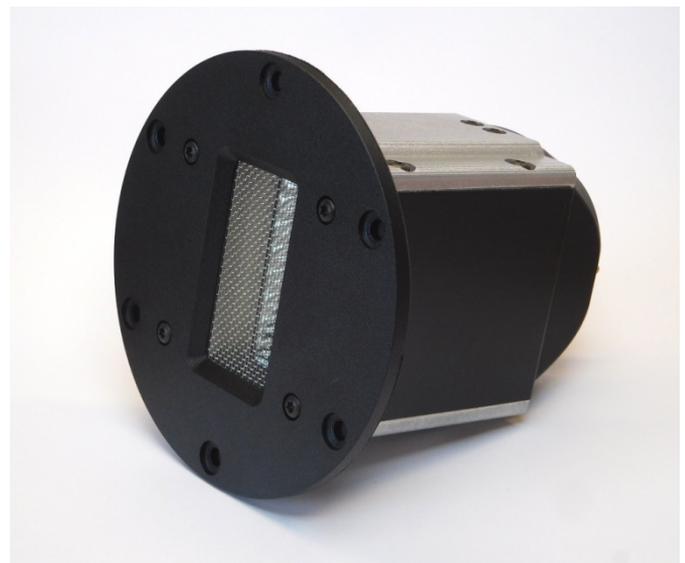
Viawave Audio proudly introduces a true world first in the GRT145; the technology of sealing the air gap between the ribbon and the poles of the magnets. Developed by Viawave Audio, this technology is called SRT - the sealed ribbon tweeter.

In the SRT, the gap between the ribbon and the magnets is covered with a U-shaped mylar 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.

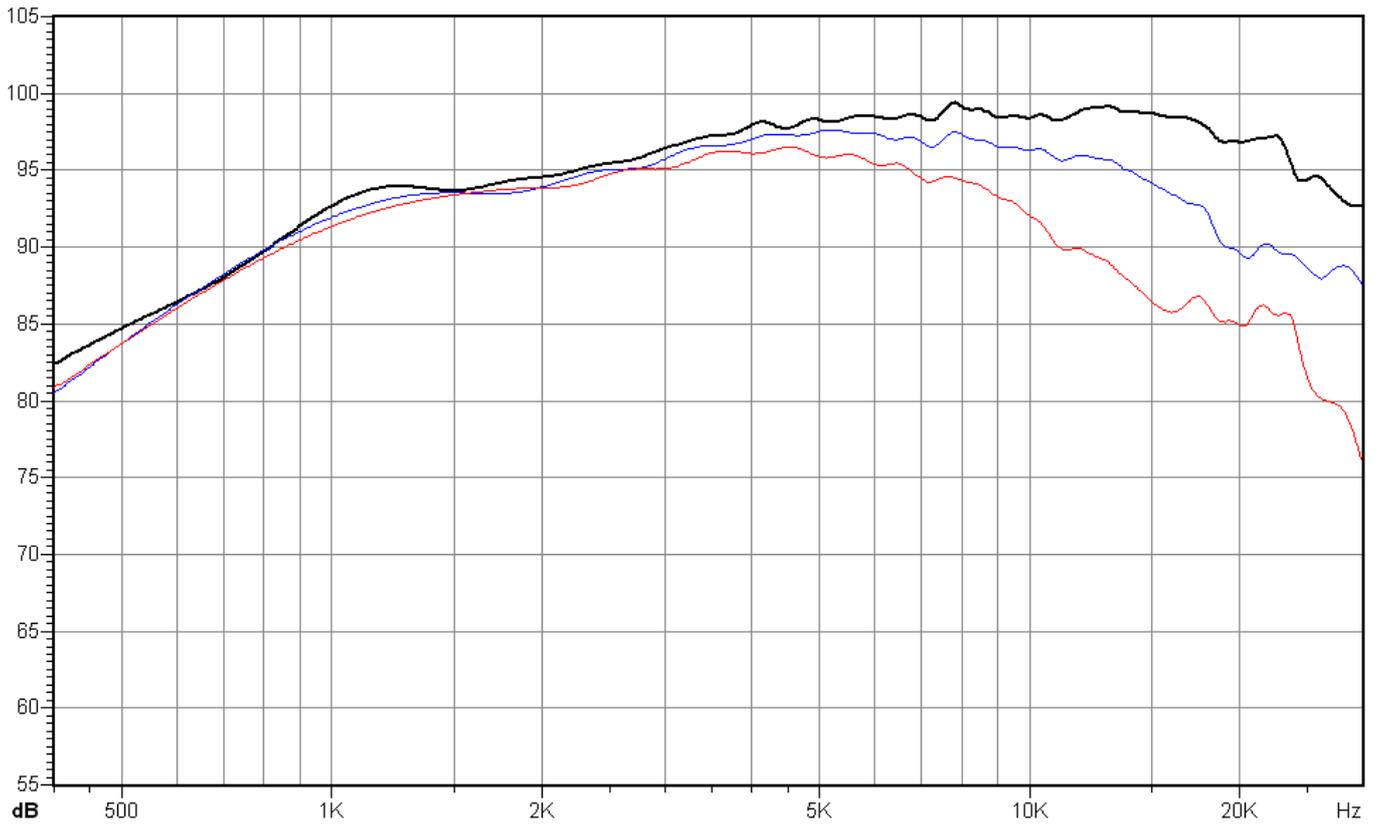
Electrical parameters:

| | |
|--------------------------------------|--------------------|
| 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 |

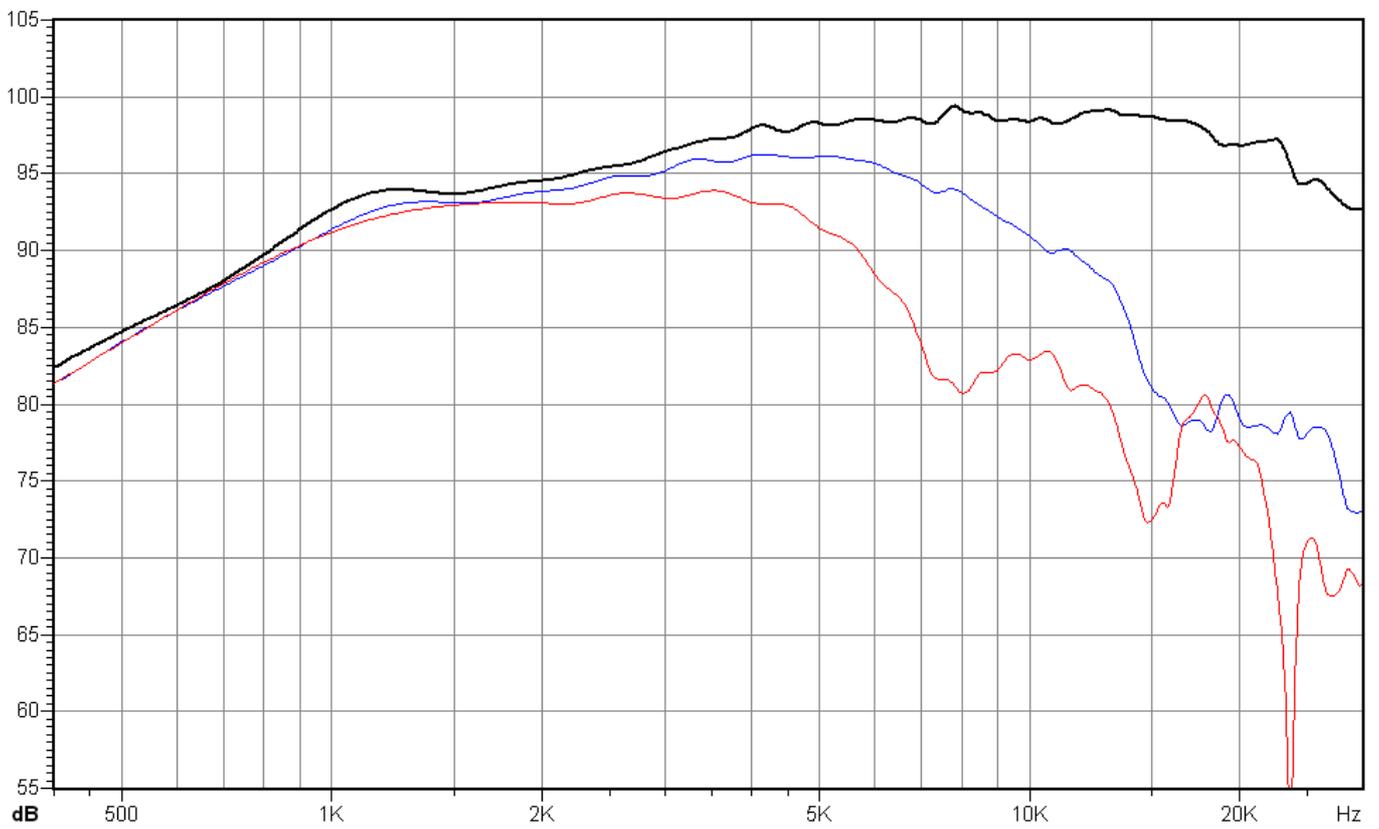


Materials:

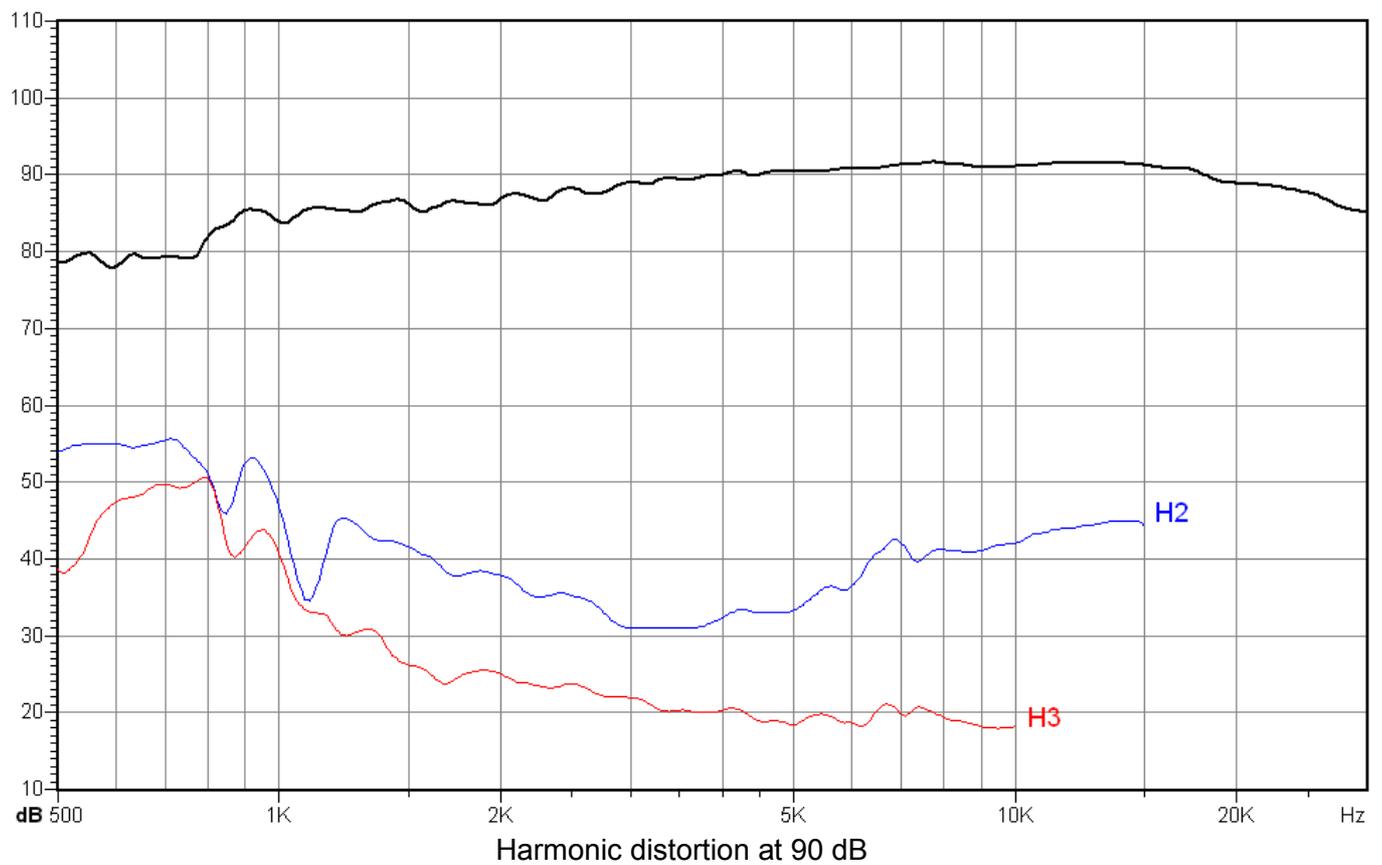
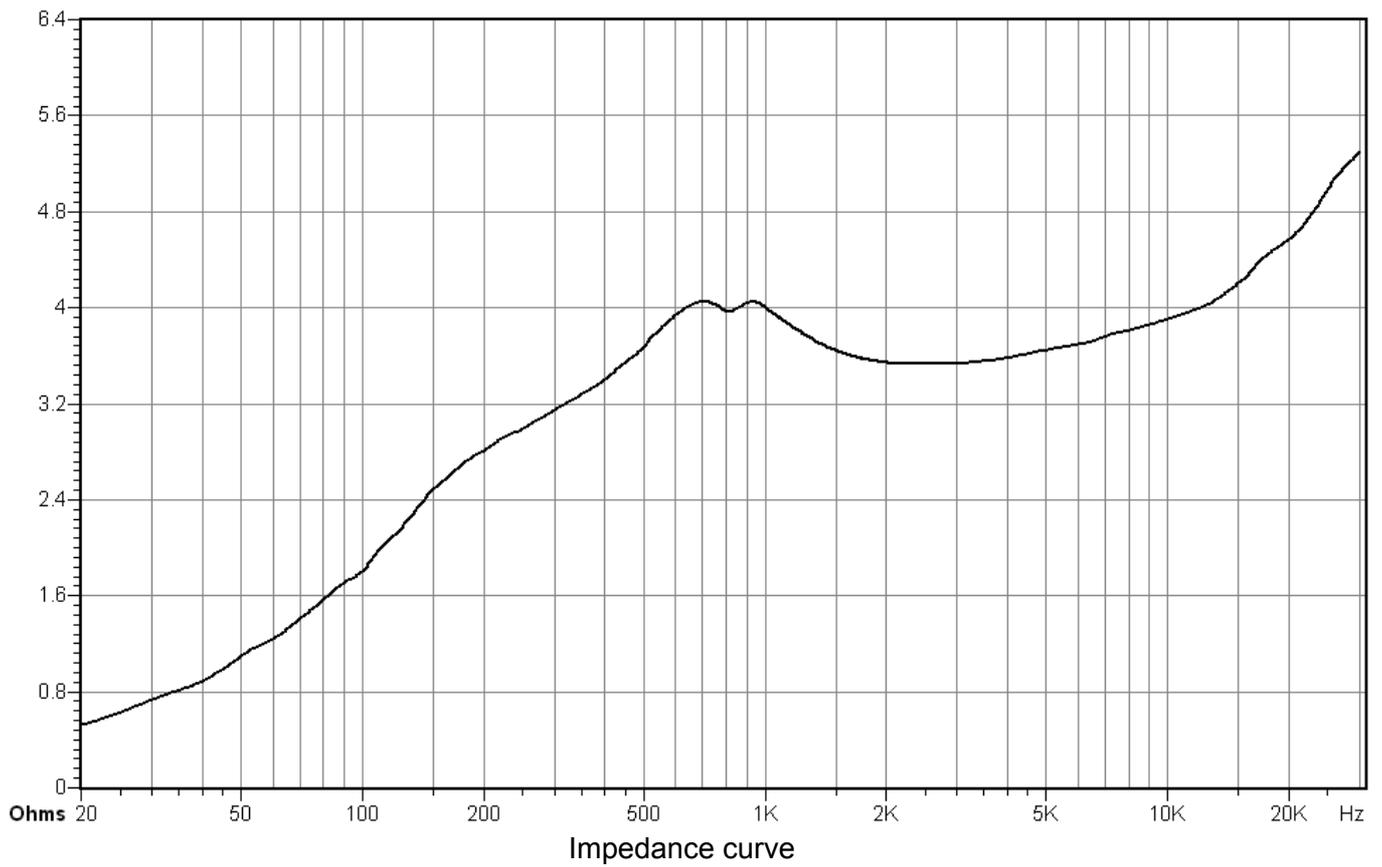
| | |
|------------------|------------------|
| Ribbon | Aluminum |
| Front plate | Aluminum |
| Magnets | NdFeB |
| Magnetic circuit | Low carbon steel |
| Rear chamber | Natural wool |

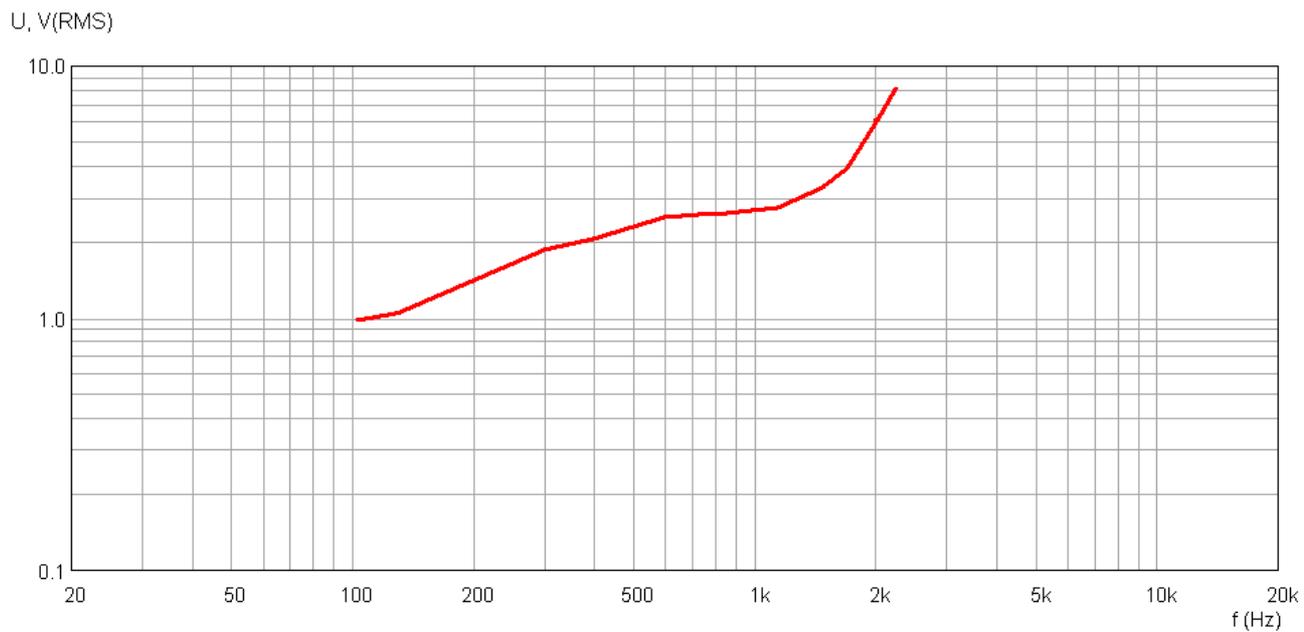


Frequency responses measured at angles of 0, 30, 60 degrees to horizontal



Frequency responses measured at angles of 0, 30, 60 degrees to vertical





The curve maximum RMS voltage at low frequencies.

