

GRT-145W-4 sealed ribbon tweeter with waveguide

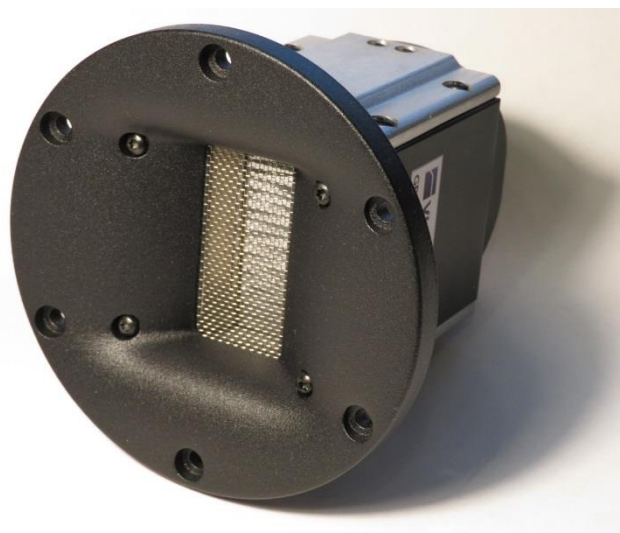
The patented technology of sealing the air gap between the ribbon and the poles of the magnets is used in the tweeter. Developed by Viawave Audio, this technology is called SRT - the sealed ribbon tweeter.

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.

The features of the waveguide tweeter are increased sensitivity in the lower part of the operating range and a controlled radiation pattern. This allows the use of a low-frequency crossover and facilitates the fusion of the sound of a tweeter with a mid-frequency driver.

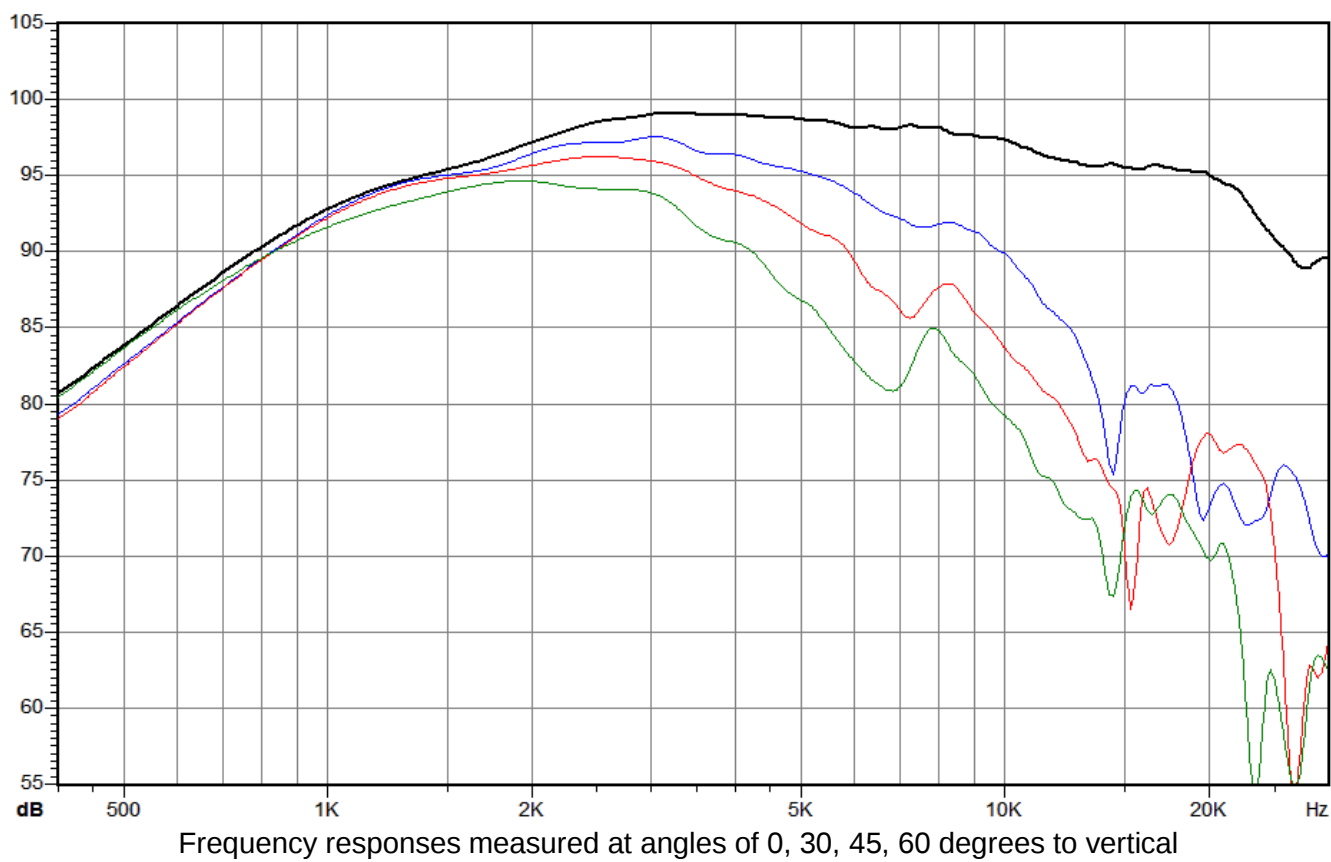
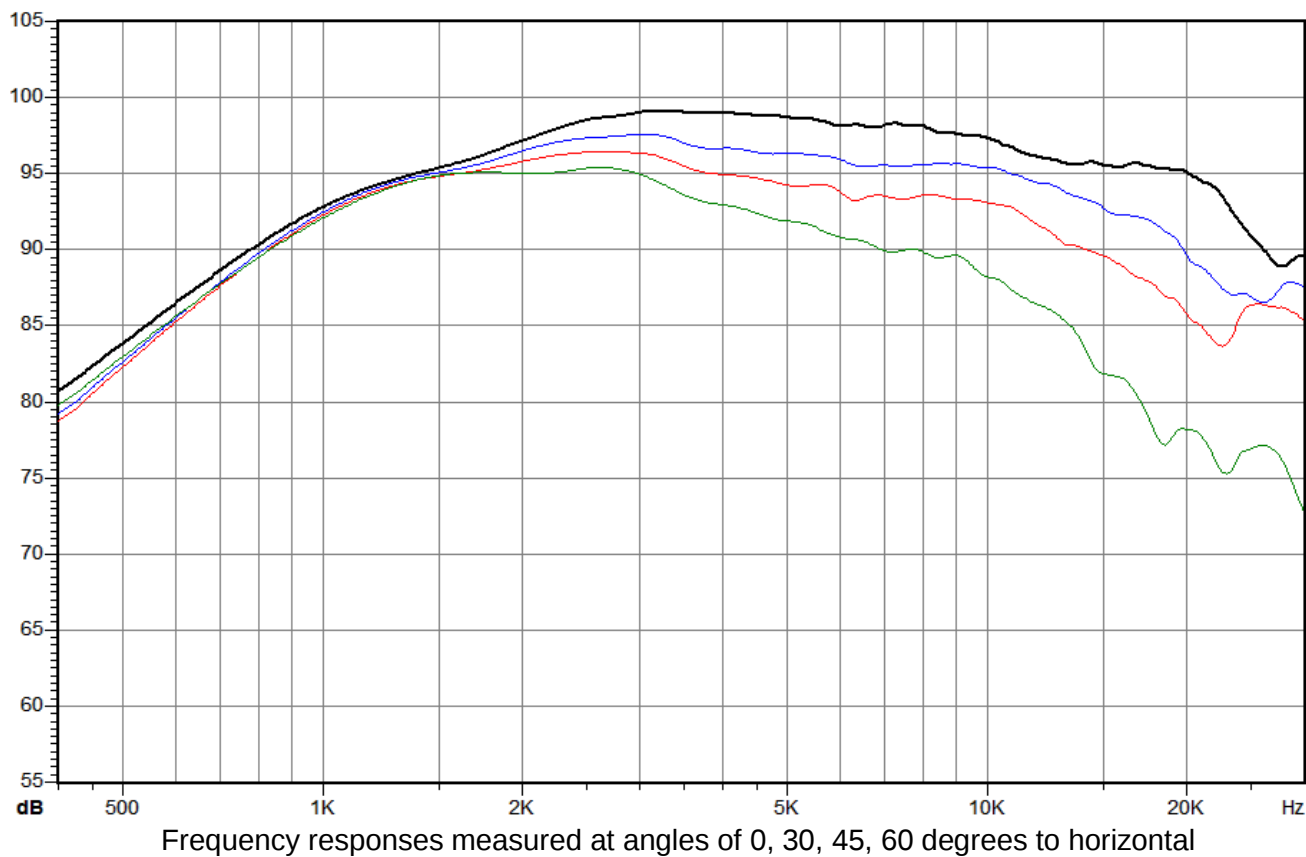
Electrical parameters:

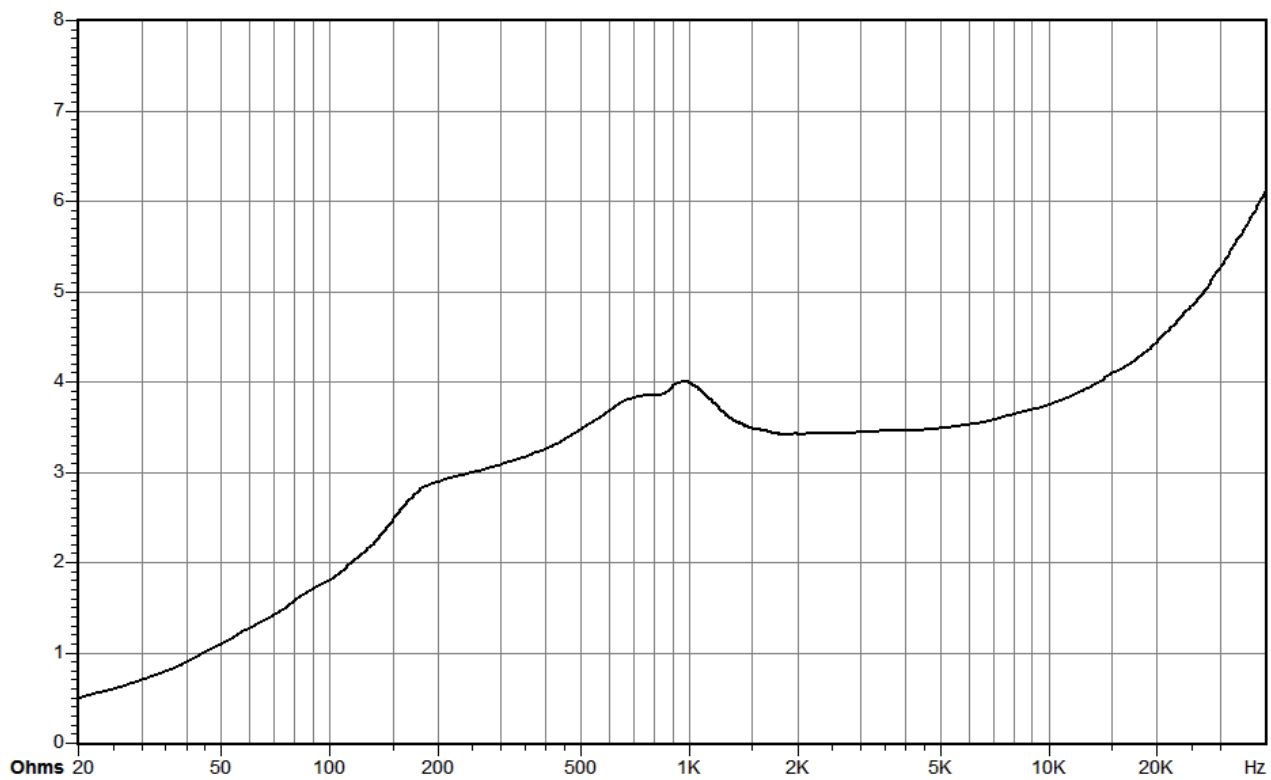
Nominal impedance	4 Ohms
Recommended frequency range	1 800 – 30 000 Hz
RMS power handling	17 W
Peak power handling	40 W
Program power handling via HF filter	150 W
3000 Hz 12 dB/oct (IEC 268-5)	
Sensitivity (2.83V, 1m, 2 – 10 kHz)	98 dB
Rear chamber resonance	900 Hz
Ribbon dimensions	14 x 50 x 0.009 mm
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	1.43 kg



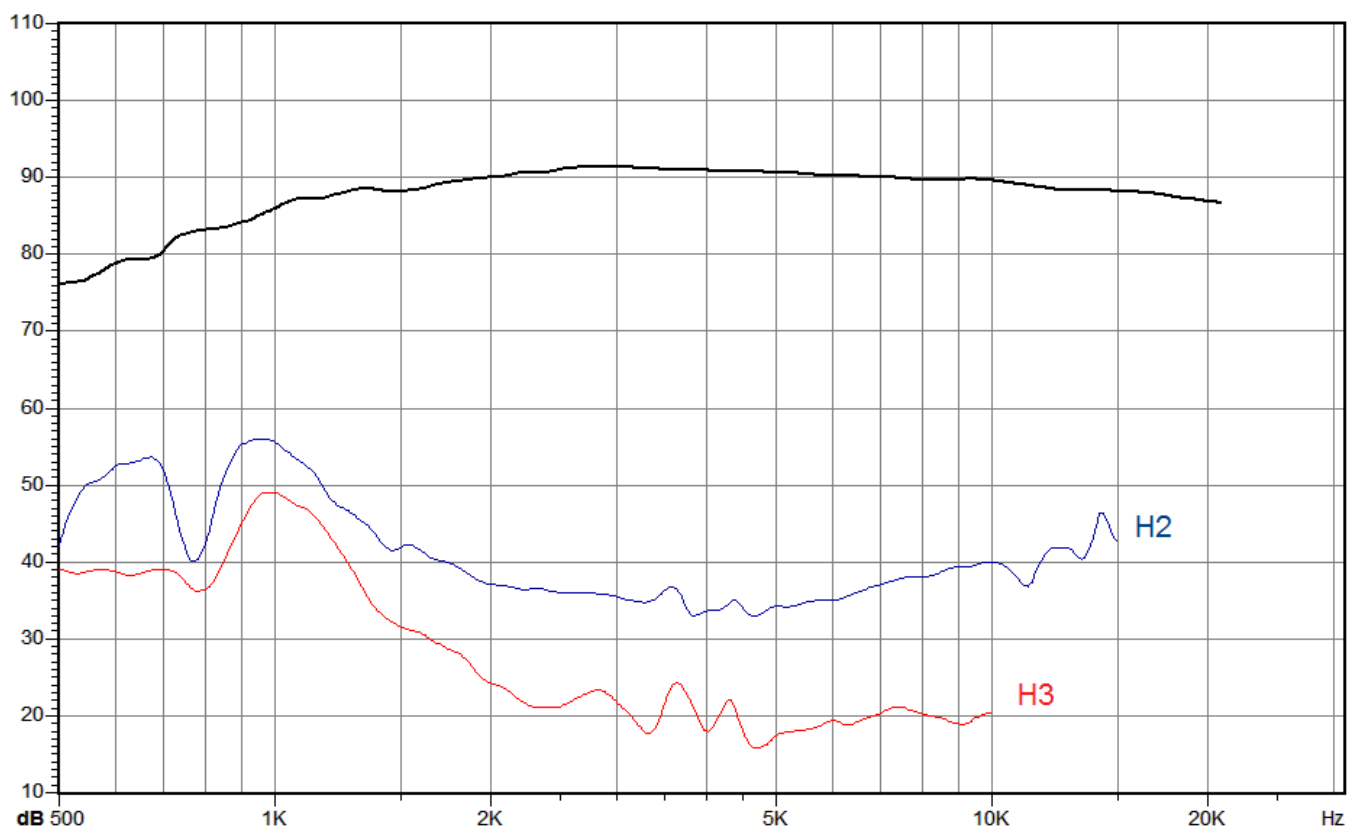
Materials:

Ribbon	Aluminum
Waveguide	Aluminum
Magnets	NdFeB
Magnetic circuit	Low carbon steel
Rear chamber	Natural wool



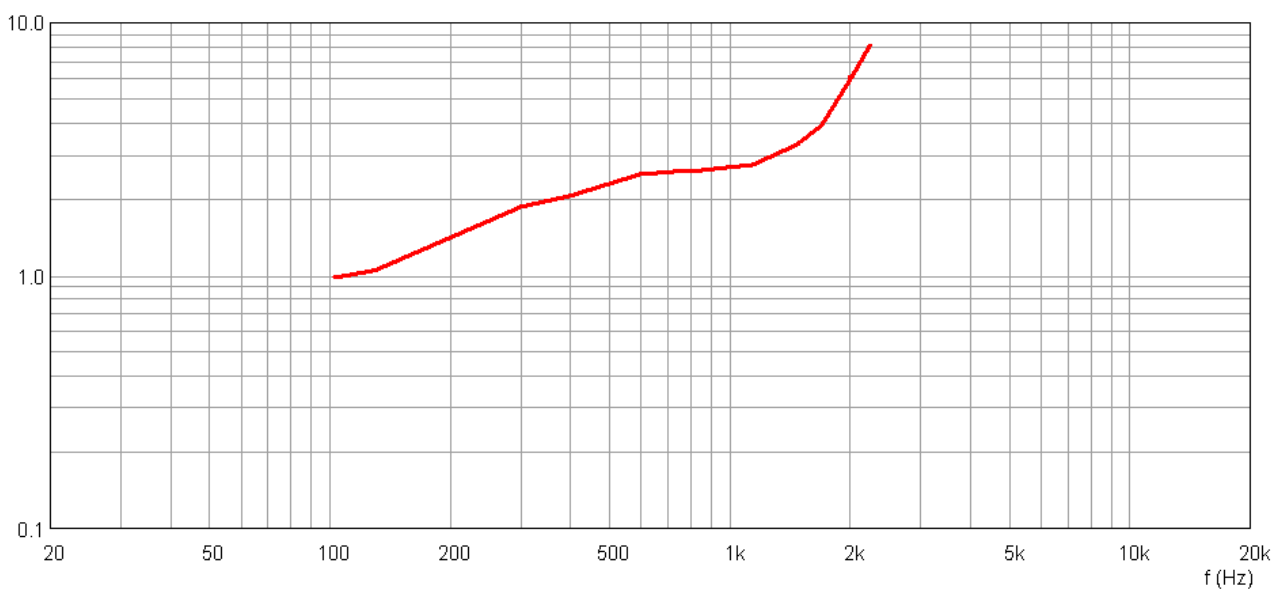


Impedance curve



Harmonic distortion at 90 dB

U, V(RMS)



The curve maximum RMS voltage at low frequencies.

