



## Audaphon Neo Pro 5i

a produkt from [www.audaphon.de](http://www.audaphon.de)



Maximum performance ribbon tweeter for high-end and professional applications.

The Neo Pro 5i ribbon tweeter is suited for maximum performance applications. The ribbon is designed for operating temperatures up to 240 degrees Celsius. The magnetic field is generated by 4 high performance Neodym magnets.

### Review by journal Hobby HiFi 6/2005:

"This tweeter , with 2.75 kg particularly heavy, provides quite a few superlatives: first, the extremely wide, but still linear and well balanced frequency range, allowing the use of the tweeter from 1.700 Hz onwards; then the extra low distortion and the enormous efficiency of 96 dB up to the standard condition of 2.83 Volt signal voltage. This latter value is quite remarkable considering the unusually high impedance. At a projected input signal of 1 Watt the efficiency is even 98 dB."... "It's definitely possible to design reference loudspeakers with this tweeter."

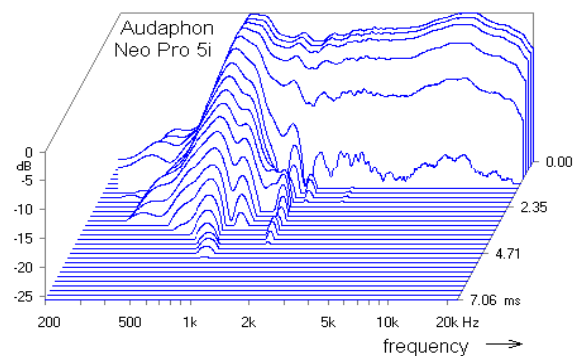
### Technical Data Audaphon Neo Pro 5i

Ribbon material: ACM*
Ribbon mass: Aluminium
Ribbon mass: 88 mg
Ribbon dimension 145 x 15 mm
Ribbon thickness 0.02 mm
Ribbon area (Sd): 2175 mm <sup>2</sup>
Gap height: 5 mm
Impedance: 7 Ohm
DC resistance Rdc: 0.02 Ohm
Frequency response: 650 - 40 000 Hz
Sensitivity (4 kHz): 96 dB (2,83V, 1m)
Resonance frequency: 200 Hz
Power Handling: 60/120 W
Recommended crossover: 1,5 kHz / 12 dB

### Dimensions

overall diameter (HxW): 190 x 115 mm
mounting diameter (HxW): 169/145 x 83 mm
mounting depth (not countersunk): 99 mm
thickness of alu frontplate: 6,5 mm

### Waterfall spectrum



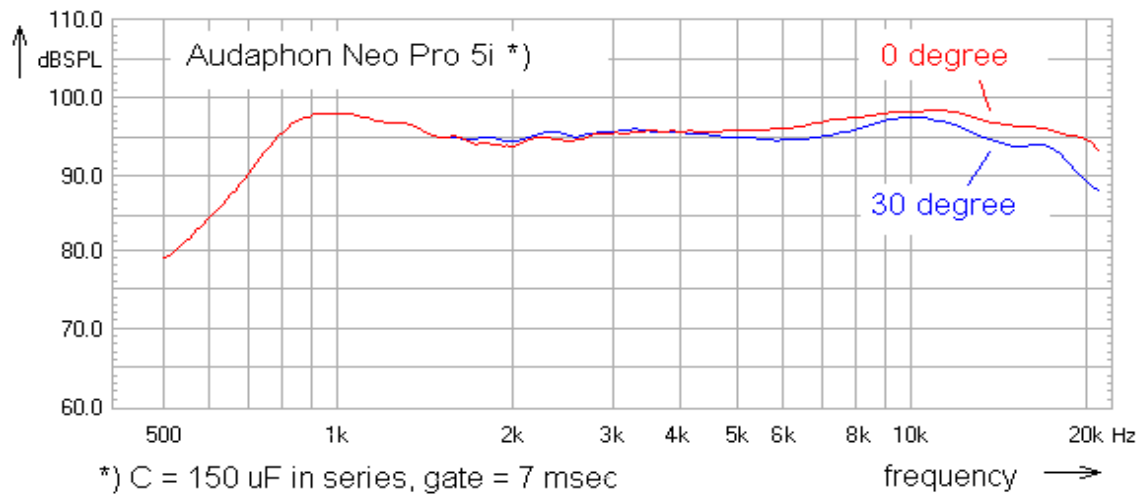
The Neo Pro 5i shows a fine excursion. Large ribbons (like this one) tend to have a more distinct resonance over the frequency range.

### Important note

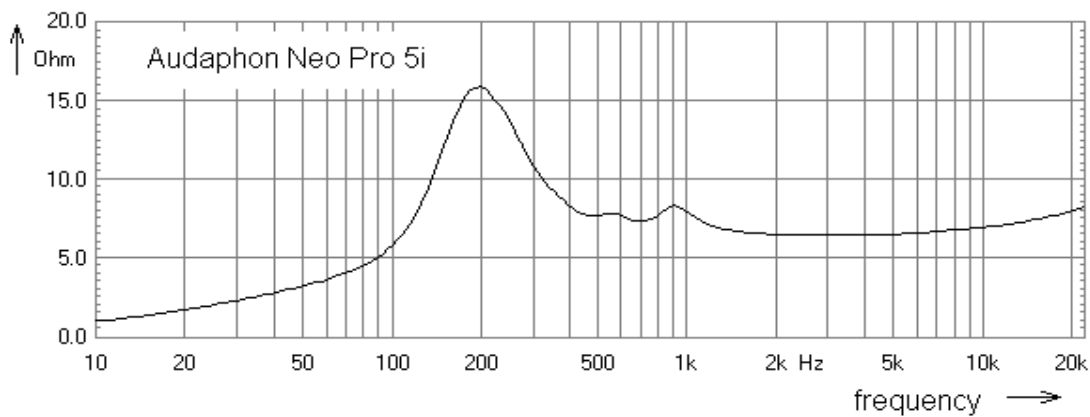
This ribbon is designed for a wide frequency range and, therefore, displays an extreme excursion at lower frequencies. To avoid destruction a crossover is absolutely mandatory.

\*) ACM stands for Advanced Composite Material

**Frequency range of the Neo Pro 5i (with 150 uF capacitor in series for protection):**



**Impedance response of the Neo Pro 5i:**



**Dimensions of the Neo Pro 5i:**

