

## KEY FEATURES

- 300 W program power
- Sensitivity: 95 dB (1W / 1m)
- 2" (51,7 mm) copper voice coil with fiber glass former
- Optimum winding length for increased linear excursion
- Designed for high power woofer applications

## TECHNICAL SPECIFICATIONS

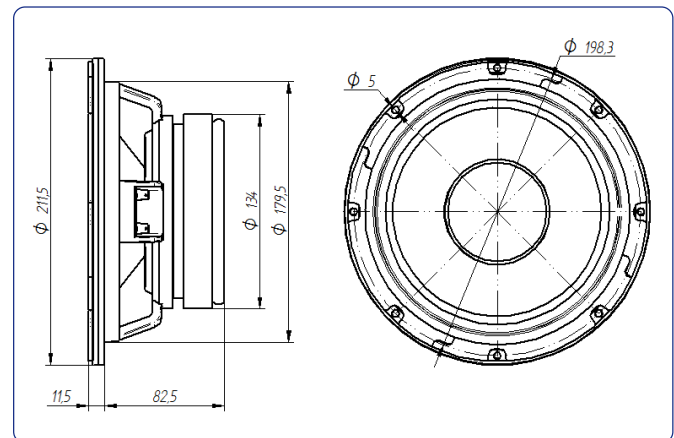
Nominal diameter	200 mm	8 in
Rated impedance		8 $\Omega$
Minimum impedance		7,5 $\Omega$
Power capacity*		150 W <sub>AES</sub>
Program power		300 W
Sensitivity	95 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		70 - 6.000 Hz
Recom. enclosure vol.	10 / 30 l	0,35 / 1,06 ft <sup>3</sup>
Voice coil diameter	51,7 mm	2 in
BI factor		14 N/A
Moving mass		0,024 kg
Voice coil length		15 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		22 mm

## THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	71 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,2 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	3,8
Electrical Quality Factor, Q <sub>es</sub>	0,35
Total Quality Factor, Q <sub>ts</sub>	0,32
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	14,4 l
Mechanical Compliance, C <sub>ms</sub>	210 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	2,8 kg / s
Efficiency, $\eta_0$	1,4 %
Effective Surface Area, S <sub>d</sub>	0,022 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	6 mm
Displacement Volume, V <sub>d</sub>	132 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,9 mH



## DIMENSION DRAWINGS



## MOUNTING INFORMATION

Overall diameter	211,5 mm	8,33 in
Bolt circle diameter	198,3 mm	7,81 in
Baffle cutout diameter:		
- Front mount	179,5 mm	7,07 in
Depth	94 mm	3,70 in
Net weight	3,1 kg	6,83 lb
Shipping weight	3,25 kg	7,16 lb

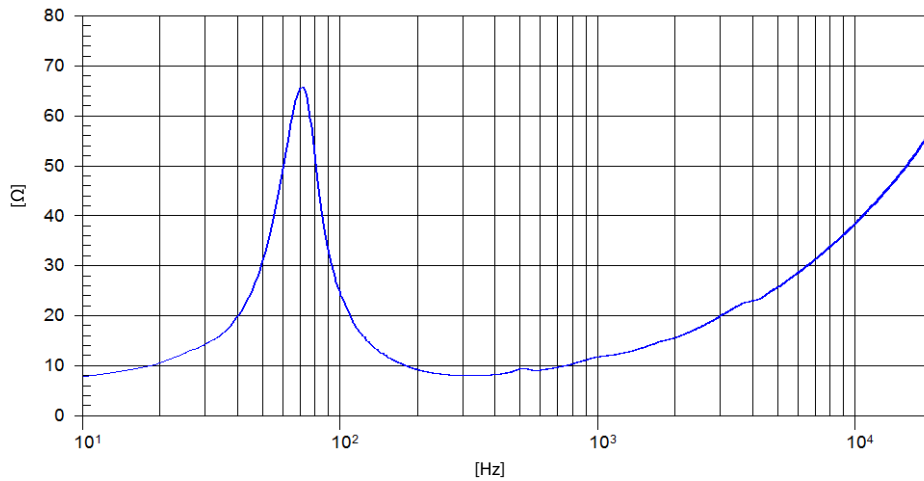
### Notes:

\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

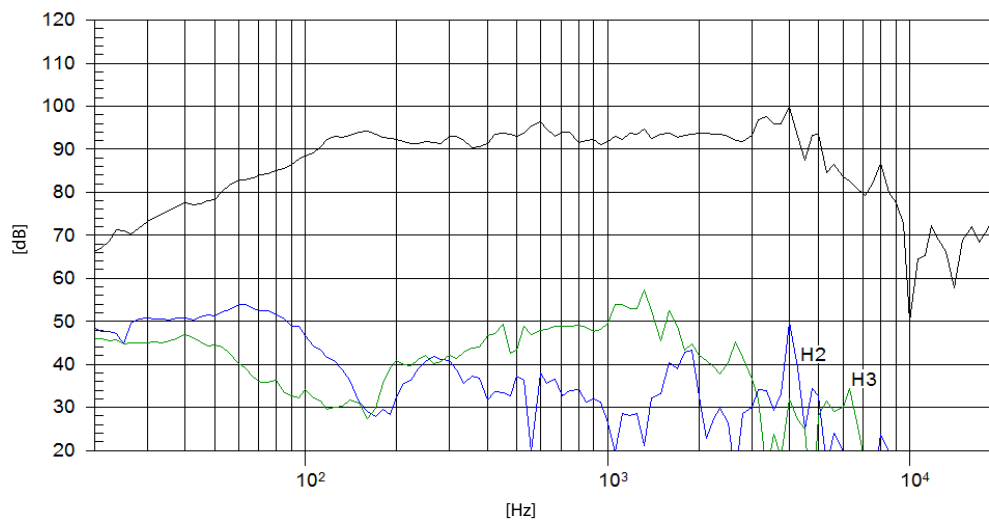
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE AND DISTORTION



**Note:** On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m