

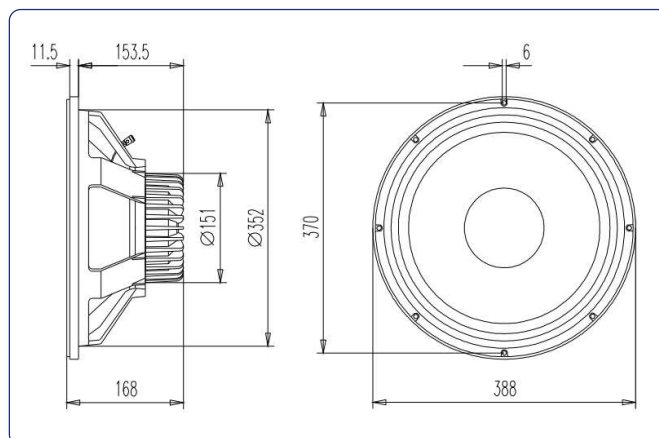
KEY FEATURES

- Low weight: 4,5 kg
- 3" copper voice coil
- High power handling: 500 W_{AES}
- High sensitivity: 98 dB
- High performance neodymium magnet system
- Extremely controlled displacement $X_{MAX} \pm 7$ mm
- Extra vented magnetic structure
- Designed for compact woofer applications

TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		7 Ω
Power capacity*	500 W _{AES}	
Program power	1.000 W	
Sensitivity	98 dB	1W @ 1m @ Z _N
Frequency range	35 - 4.000 Hz	
Voice coil diameter	77 mm	3 in
BI factor	18,9 N/A	
Moving mass	0,096 kg	
Voice coil length	17,5 mm	
Air gap height	8 mm	
X _{damage} (peak to peak)	30 mm	

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

Resonant frequency, f_s	34 Hz
D.C. Voice coil resistance, R_e	6,2 Ω
Mechanical Quality Factor, Q_{ms}	4,5
Electrical Quality Factor, Q_{es}	0,35
Total Quality Factor, Q_{ts}	0,33
Equivalent Air Volume to C_{ms} , V_{as}	251 l
Mechanical Compliance, C_{ms}	228 μ m / N
Mechanical Resistance, R_{ms}	4,5 kg / s
Efficiency, η_0	2,7 %
Effective Surface Area, S_d	0,088 m ²
Maximum Displacement, X_{max} ***	7 mm
Displacement Volume, V_d	616 cm ³
Voice Coil Inductance, L_e @ 1 kHz	1,1 mH

MOUNTING INFORMATION

Overall diameter	388 mm	15,28 in
Bolt circle diameter	370 mm	14,57 in
Baffle cutout diameter:		
- Front mount	352 mm	13,86 in
Depth	168 mm	6,61 in
Net weight	4,5 kg	9,92 lb
Shipping weight	5,5 kg	12,1 lb

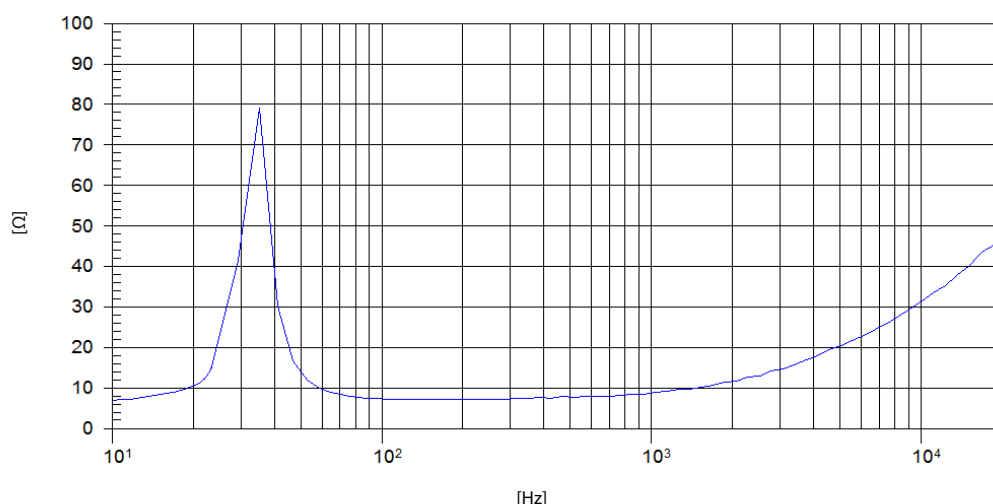
Notes:

* 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.

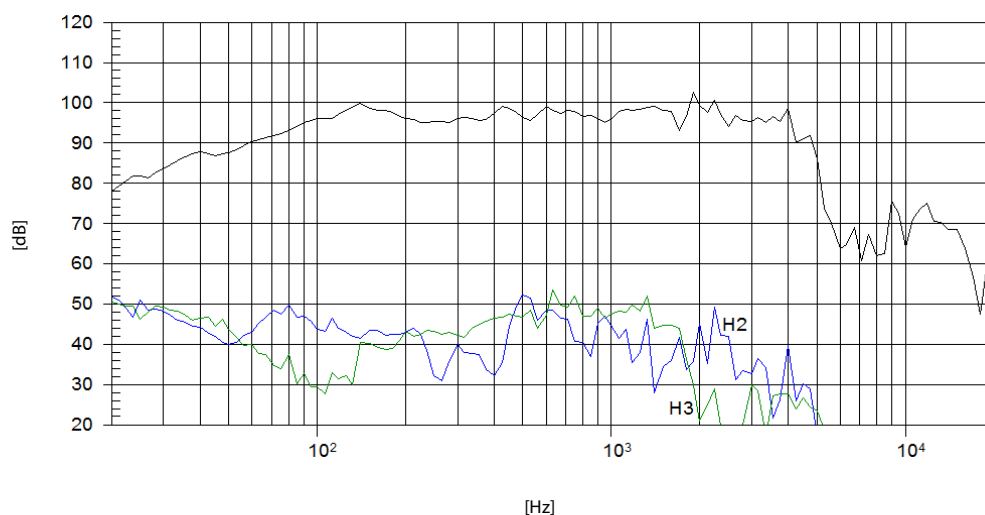
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** The X_{max} is calculated as $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$, where L_{vc} is the voice coil length and H_{ag} 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