

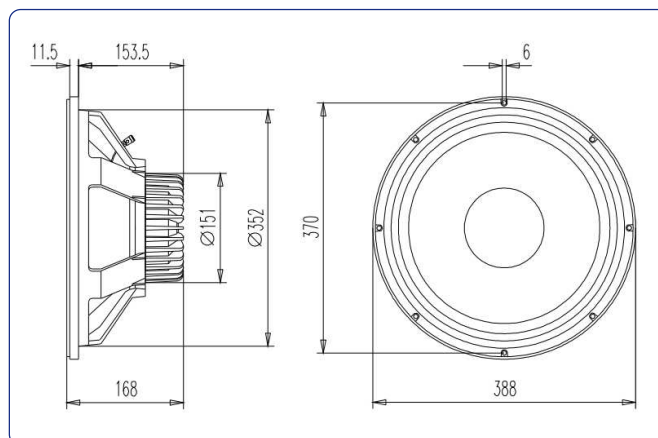
## KEY FEATURES

- Low weight: 4,5 kg
- 3" copper voice coil
- High power handling: 500 W<sub>AES</sub>
- High sensitivity: 98 dB
- High performance neodymium magnet system
- Extremely controlled displacement X<sub>MAX</sub> ± 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 <sub>AES</sub>
Program power		1.000 W
Sensitivity	98 dB	1W @ 1m @ Z <sub>N</sub>
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 <sub>damage</sub> (peak to peak)		30 mm

## DIMENSION DRAWINGS



## THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	34 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,2Ω
Mechanical Quality Factor, Q <sub>ms</sub>	4,5
Electrical Quality Factor, Q <sub>es</sub>	0,35
Total Quality Factor, Q <sub>ts</sub>	0,33
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	251 l
Mechanical Compliance, C <sub>ms</sub>	228 μm / N
Mechanical Resistance, R <sub>ms</sub>	4,5 kg / s
Efficiency, η <sub>0</sub>	2,7 %
Effective Surface Area, S <sub>d</sub>	0,088 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	7 mm
Displacement Volume, V <sub>d</sub>	616 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 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

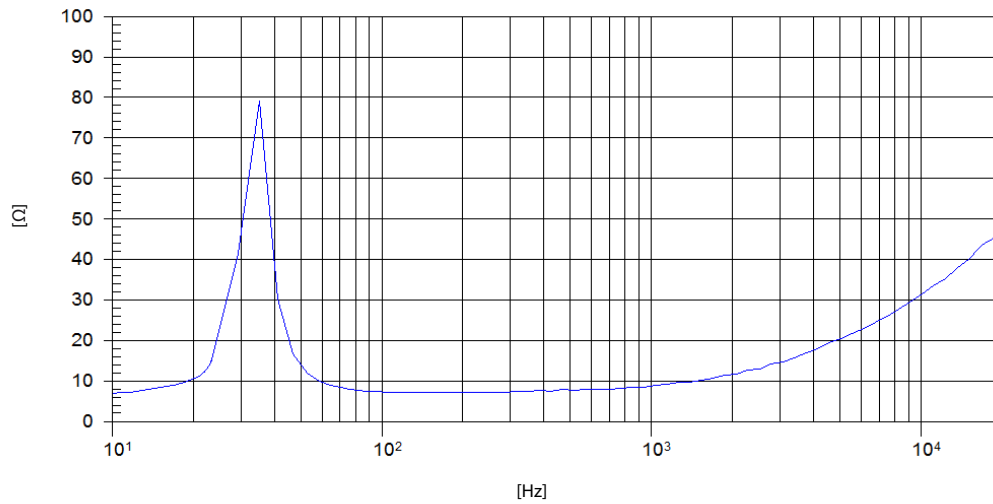
### Notes:

\* 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.

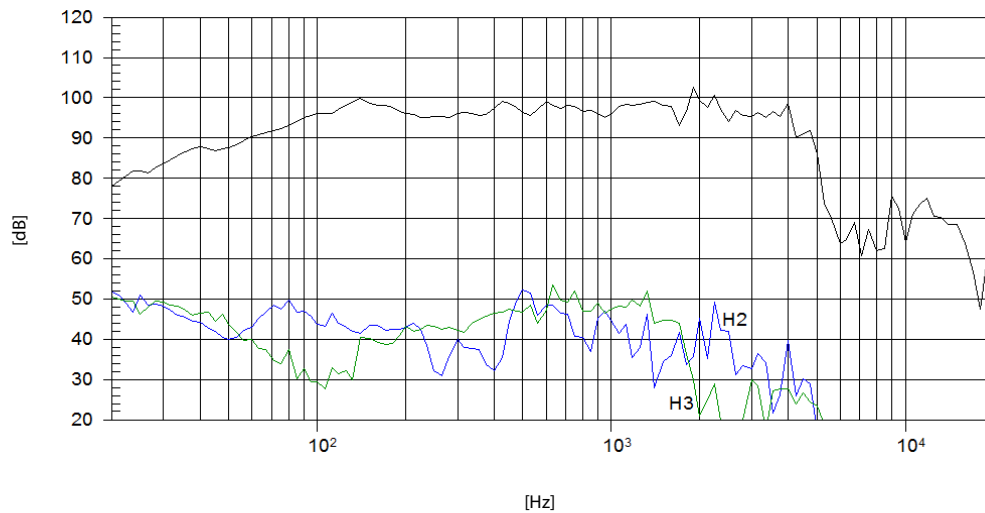
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* The X<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