

## KEY FEATURES

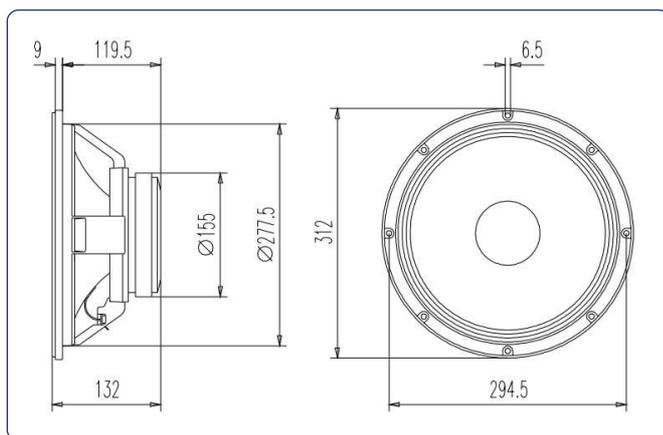
- High power handling (350 W<sub>AES</sub>)
- High sensitivity: 97 dB
- 2,5" copper voice coil
- Optimum winding length for increased linear excursion
- Lightweight curvilinear cone
- Designed for low and mid frequencies reproduction



## TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		6,5 Ω
Power capacity*	350 W <sub>AES</sub>	
Program power	700 W	
Sensitivity	97 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		45 - 4.000 Hz
Recom. enclosure vol.	30 / 100 l	1,06 / 3,53 ft <sup>3</sup>
Voice coil diameter	63,5 mm	2,5 in
Bl factor		14,4 N/A
Moving mass		0,057 kg
Voice coil length		19,5 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		27 mm

## DIMENSION DRAWINGS



## THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	43 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,5 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	5,3
Electrical Quality Factor, Q <sub>es</sub>	0,41
Total Quality Factor, Q <sub>ts</sub>	0,38
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	103 l
Mechanical Compliance, C <sub>ms</sub>	240 μm / N
Mechanical Resistance, R <sub>ms</sub>	2,9 kg / s
Efficiency, η <sub>0</sub>	1,9 %
Effective Surface Area, S <sub>d</sub>	0,055 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	8,25 mm
Displacement Volume, V <sub>d</sub>	453 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ Z <sub>min</sub>	0,6 mH

## MOUNTING INFORMATION

Overall diameter	312 mm	12,28 in
Bolt circle diameter	294,5 mm	11,59 in
Baffle cutout diameter:		
- Front mount	277,5 mm	10,93 in
Depth	132 mm	5,20 in
Net weight	4,6 kg	10,14 lb
Shipping weight	5,3 kg	11,69 lb

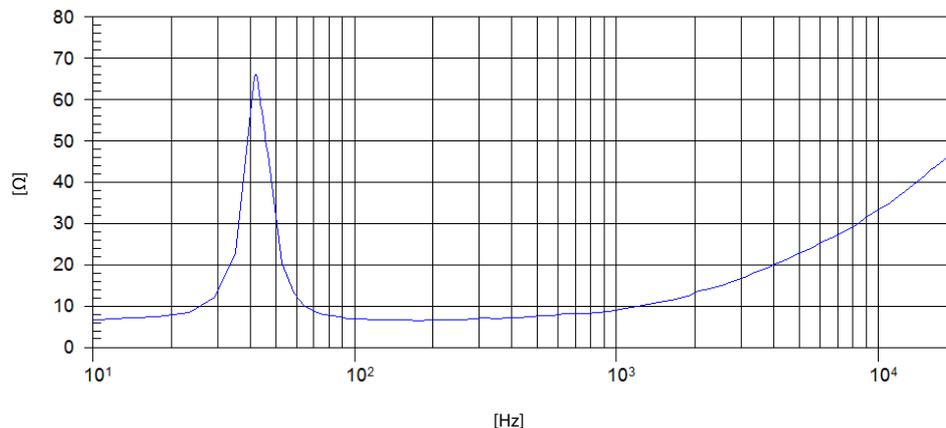
### Notes:

\* 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.

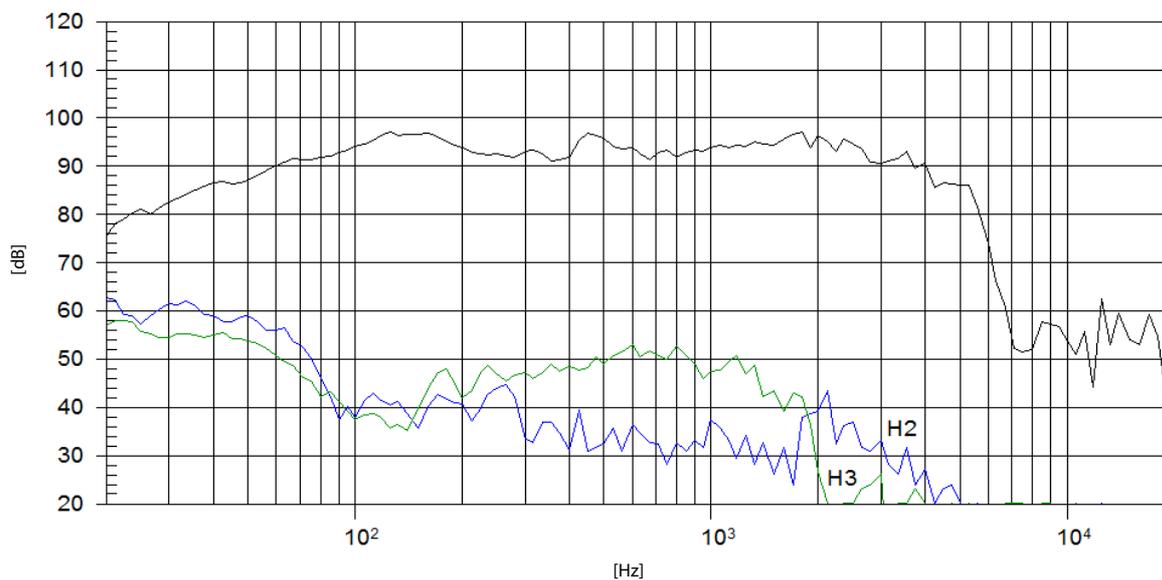
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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