

KEY FEATURES

- High power handling: 600 W program power
- 2" copper wire voice coil
- High sensitivity: 95 dB (1W / 1m)
- Pressed steel frame
- FEA optimized ceramic magnetic circuit
- Designed with MMSS technology for high control, linearity and low harmonic distortion
- Waterproof cone treatment on both sides of the cone
- Low harmonic distortion and linear response
- Wide range of applications of low and mid-low frequencies

TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		7,5 Ω
Power capacity*	300 W _{AES}	
Program power	600 W	
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range	45 - 4.000 Hz	
Voice coil diameter	51,7 mm	2 in
BI factor		14,2 N/A
Moving mass	0,039 kg	
Voice coil length	15 mm	
Air gap height	8 mm	
X _{damage} (peak to peak)	30 mm	

THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	41 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	3,5
Electrical Quality Factor, Q _{es}	0,30
Total Quality Factor, Q _{ts}	0,27
Equivalent Air Volume to C _{ms} , V _{as}	66,5 l
Mechanical Compliance, C _{ms}	384 μm / N
Mechanical Resistance, R _{ms}	2,8 kg / s
Efficiency, η ₀	1,5 %
Effective Surface Area, S _d	0,038 m ²
Maximum Displacement, X _{max} ***	5,8 mm
Displacement Volume, V _d	220 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1 mH

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).

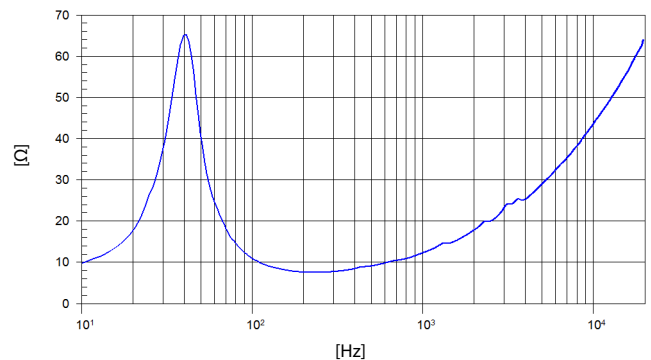
*** The X_{max} is calculated as (L_{vc} - H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.



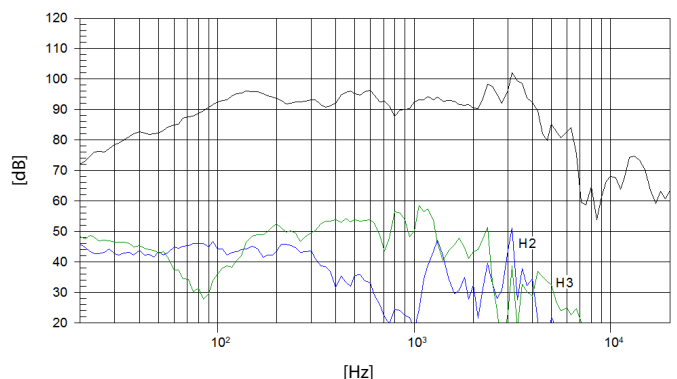
MOUNTING INFORMATION

Overall diameter	254 mm	10 in
Bolt circle diameter	241 mm	9,49 in
Baffle cutout diameter:		
- Front mount	230 mm	9,05 in
Depth	118 mm	4,65 in
Net weight	3,5 kg	7,71 lb
Shipping weight	3,9 kg	8,60 lb

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE & DISTORTION



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