

KEY FEATURES

- Very high efficiency mid-range driver
- Carbon fiber cone for optimum loading behaviour and low distortion
- Extremely linear frequency response
- 2" aluminium voice coil
- 400 W Program Power
- High efficiency and sensitivity
- Shorting cap for extended response
- FEA optimized neodymium magnet structure
- Sealed cast aluminium frame
- Designed for high performance mid-frequency line array



TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		7 Ω
Power capacity ¹	200 W _{AES}	
Program power ²	400 W	
Sensitivity	97 dB	1W / 1m @ Z _N
Frequency range	400 - 12.000 Hz	
Voice coil diameter	50,8 mm	2 in
Bl factor	18,1 N/A	
Moving mass	0,015 kg	
Voice coil length	9,2 mm	
Air gap height	9 mm	

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	406 Hz
D.C. Voice coil resistance, R _e	6,2 Ω
Mechanical Quality Factor, Q _{ms}	10,3
Electrical Quality Factor, Q _{es}	0,77
Total Quality Factor, Q _{ts}	0,72
Equivalent Air Volume to C _{ms} , V _{as}	0,27 l
Mechanical Compliance, C _{ms}	10 μ m / N
Mechanical Resistance, R _{ms}	3,9 kg / s
Efficiency, η_0	2,3 %
Effective Surface Area, S _d	0,014 m ²
Maximum Displacement, X _{max} ⁴	2,5 mm
Displacement Volume, V _d	35 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,1 mH

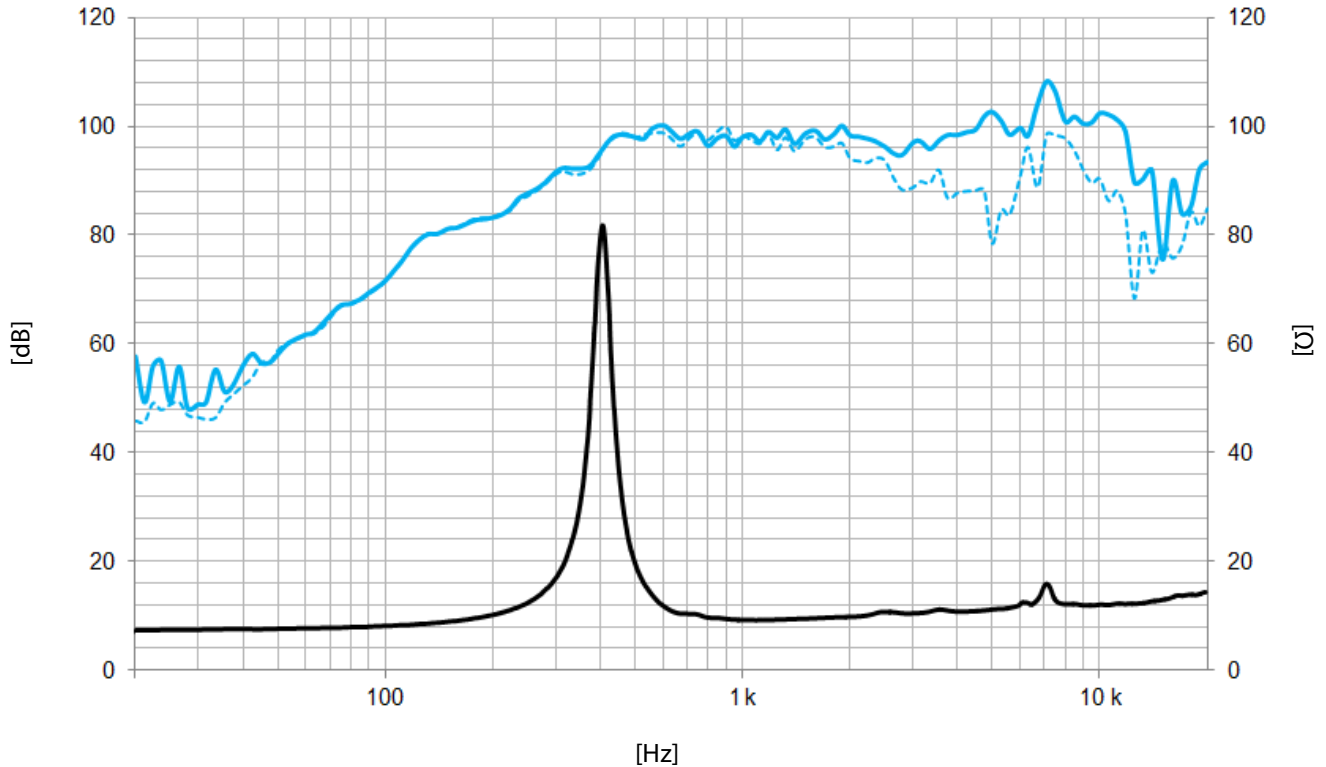
Notes:

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

³ 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).

⁴ 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.



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

— Frequency response on axis
- - - Frequency response 45° off axis

MOUNTING INFORMATION

Overall diameter	174 mm	6,8 in
Bolt circle diameter	158 mm	6,2 in
Baffle cutout diameter:		
- Front mount	146 mm	5,7 in
Depth	75 mm	2,9 in
Net weight	2,3 kg	5,1 lb
Shipping weight	2,7 kg	5,9 lb

DIMENSION DRAWING

