

### KEY FEATURES

- Very high efficiency mid-range driver
- Carbon fiber cone for optimum loading behaviour and low distortion
- Extremely linear frequency response
- 4" edgewound aluminium voice coil
- 800 W program power
- High efficiency and sensitivity
- FEA optimized neodymium magnet structure
- Sealed cast aluminium frame
- Designed for high performance mid-frequency line array and horn loading applications



### TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		8,5 Ω
Power capacity <sup>1</sup>	400 W <sub>AES</sub>	
Program power <sup>2</sup>	800 W	
Sensitivity	102 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	300 - 5.000 Hz	
Voice coil diameter	101,6 mm	4 in
Bl factor	28,8 N/A	
Moving mass	0,040 kg	
Voice coil length	11,5 mm	
Air gap height	10 mm	

### THIELE-SMALL PARAMETERS<sup>3</sup>

Resonant frequency, f <sub>s</sub>	260 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,8 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	22
Electrical Quality Factor, Q <sub>es</sub>	0,45
Total Quality Factor, Q <sub>ts</sub>	0,44
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	2 l
Mechanical Compliance, C <sub>ms</sub>	10 μm / N
Mechanical Resistance, R <sub>ms</sub>	3 kg / s
Efficiency, η <sub>0</sub>	7,2 %
Effective Surface Area, S <sub>d</sub>	0,038 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	3,5 mm
Displacement Volume, V <sub>d</sub>	133 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,5 mH

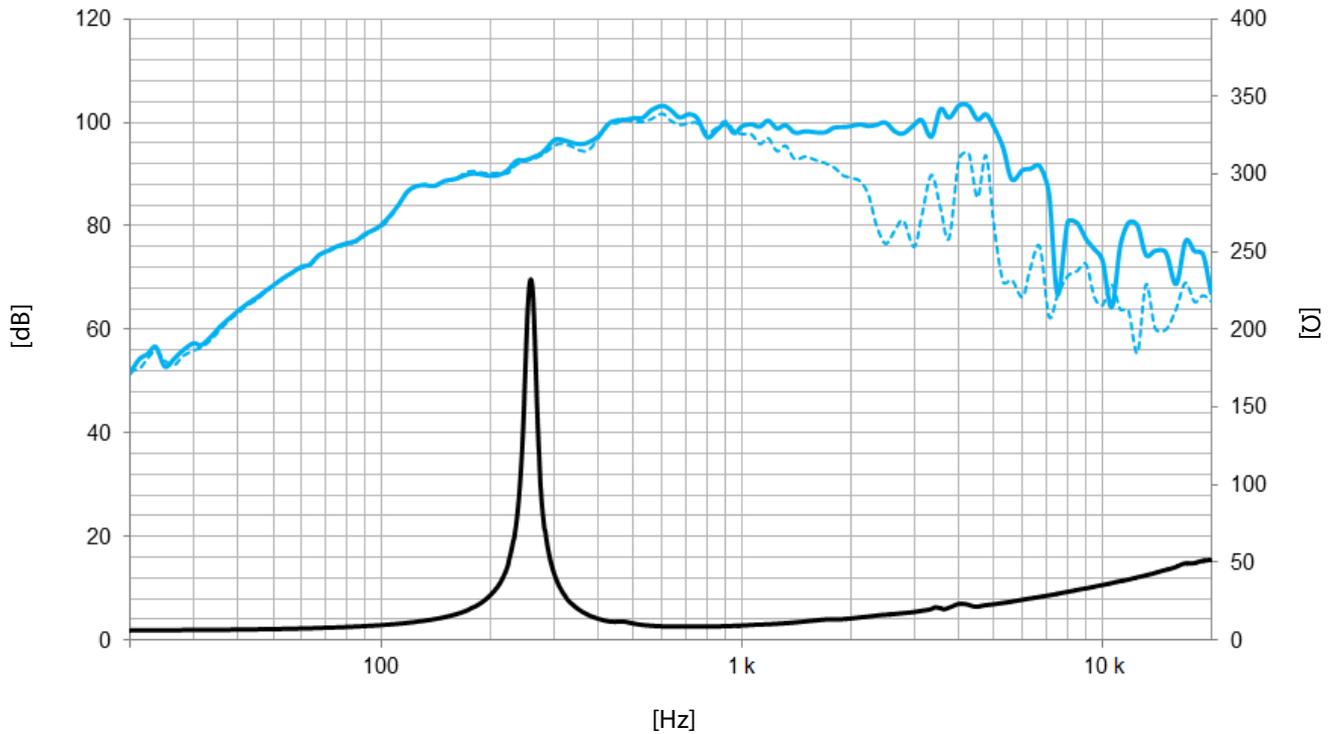
Notes:

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

<sup>2</sup> Program power is defined as power capacity + 3 dB.

<sup>3</sup> 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).

<sup>4</sup> 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.



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	270 mm	10,6 in
Bolt circle diameter	248 mm	9,8 in
Baffle cutout diameter:		
- Front mount	227 mm	8,9 in
Depth	103 mm	4,1 in
Net weight	6,2 kg	13,7 lb
Shipping weight	6,6 kg	14,5 lb

### DIMENSION DRAWING

