

### KEY FEATURES

- Power handling 170 W<sub>AES</sub>
- High sensitivity: 94,3 dB (1W / 1m)
- FEA optimized magnetic circuit
- Waterproof treatment for both sides of the cone
- 2" aluminum voice coil
- Demodulating ring for low harmonic distortion
- Excellent for line array applications (weight 3 kg)



### TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		7,9 Ω
Power capacity <sup>1</sup>		170 W <sub>AES</sub>
Program power <sup>2</sup>		340 W
Sensitivity	94,3 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		110 - 9.000 Hz
Recom. enclosure vol.	10 / 30 l	0,35 / 1,06 ft <sup>3</sup>
Voice coil diameter	51,7 mm	2 in
BI factor		11 N/A
Moving mass		0,013 kg
Voice coil length		9,2 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		38 mm

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

Resonant frequency, f <sub>s</sub>	102 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	9,2
Electrical Quality Factor, Q <sub>es</sub>	0,42
Total Quality Factor, Q <sub>ts</sub>	0,40
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	5 l
Mechanical Compliance, C <sub>ms</sub>	184 μm / N
Mechanical Resistance, R <sub>ms</sub>	0,9 kg / s
Efficiency, η <sub>0</sub>	1,2 %
Effective Surface Area, S <sub>d</sub>	0,014 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	3,1 mm
Displacement Volume, V <sub>d</sub>	14 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub>	0,5 mH

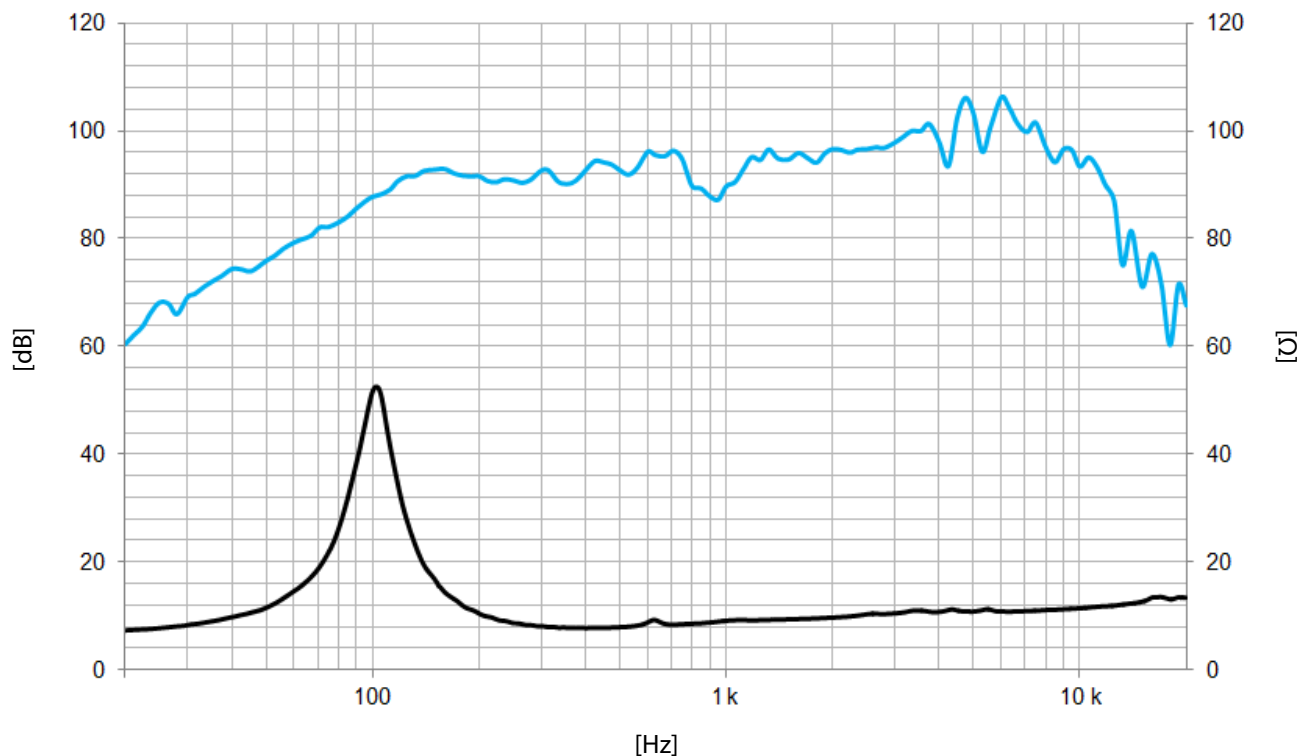
Notes:

<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

### MOUNTING INFORMATION

<b>Overall diameter</b>	187,5 mm	7,4 in
<b>Bolt circle diameter</b>	172 mm	6,8 in
<b>Baffle cutout diameter:</b>		
- Front mount	146 mm	5,8 in
<b>Depth</b>	82 mm	3,2 in
<b>Net weight</b>	3 kg	6,7 lb
<b>Shipping weight</b>	3,1 kg	6,9 lb

### DIMENSION DRAWING

