

#### KEY FEATURES

- 4" full-range compact ferrite loudspeaker
- 80 W program power
- Extended response and low distortion
- Paper cone and Santoprene™ surround
- Pressed steel basket
- Ceramic magnet
- Ideal for beam-steering application (columns), portable array and compact applications



#### TECHNICAL SPECIFICATIONS

Nominal diameter	100 mm	4 in
Rated impedance		8 Ω
Minimum impedance		7,3 Ω
Power capacity <sup>1</sup>		40 W <sub>AES</sub>
Program power <sup>2</sup>		80 W
Sensitivity	87 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		100 - 20.000 Hz
Voice coil diameter	20,3 mm	0,8 in
BI factor		4,2 N/A
Moving mass		0,0044 kg
Voice coil length		7,7 mm
Air gap height		5 mm

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

Resonant frequency, f <sub>s</sub>	92 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,4 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	11,3
Electrical Quality Factor, Q <sub>es</sub>	0,96
Total Quality Factor, Q <sub>ts</sub>	0,88
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	2,8 l
Mechanical Compliance, C <sub>ms</sub>	668 μm / N
Mechanical Resistance, R <sub>ms</sub>	0,23 kg / s
Efficiency, η <sub>0</sub>	0,22 %
Effective Surface Area, S <sub>d</sub>	0,0055 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	3 mm
Displacement Volume, V <sub>d</sub>	11 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,2 mH

#### Notes:

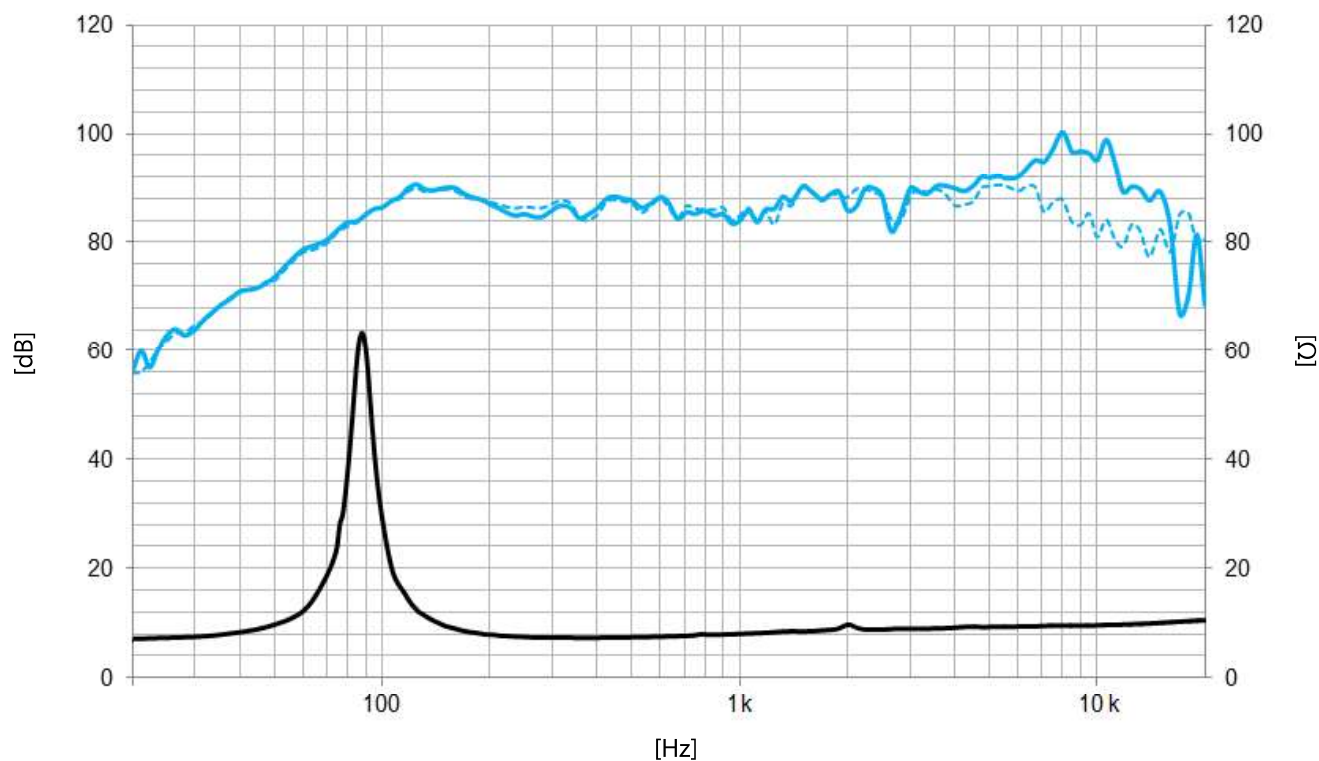
<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

<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.

<sup>5</sup> Product designed by Acústica Beyma S.L.



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	118,2 mm	4,6 in
Bolt circle diameter	108,2 mm	4,3 in
Baffle cutout diameter:		
- Front mount	92 mm	3,6 in
Depth	60 mm	2,4 in
Net weight	0,55 kg	1,2 lb
Shipping weight	0,75 kg	1,6 lb

#### DIMENSION DRAWING

