

### KEY FEATURES

- 3" full-range compact ferrite loudspeaker
- 60 W program power
- FEA optimized magnetic circuit
- Shorting cup for extended response and very low distortion
- Optimized surround design for minimal resonance behaviour
- Optimized linearity and dispersion pattern
- Weatherproof paper cone and extreme resistance elastomer surround
- Pressed Steel Frame
- Ideal for beam-steering application, portable array, columns and compact applications



### TECHNICAL SPECIFICATIONS

Nominal diameter	77 mm	3 in
Rated impedance		8 Ω
Minimum impedance		7 Ω
Power capacity <sup>1</sup>		30 W <sub>AES</sub>
Program power <sup>2</sup>		60 W
Sensitivity	90,5 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		135 - 20.000 Hz
Voice coil diameter	20,3 mm	0,8 in
BI factor		4,5 N/A
Moving mass		0,0023 kg
Voice coil length		6 mm
Air gap height		5 mm

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

Resonant frequency, f <sub>s</sub>	133 Hz
D.C. Voice coil resistance, R <sub>e</sub>	5,8 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	5,9
Electrical Quality Factor, Q <sub>es</sub>	0,56
Total Quality Factor, Q <sub>ts</sub>	0,51
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	1,0 l
Mechanical Compliance, C <sub>ms</sub>	624 μm / N
Mechanical Resistance, R <sub>ms</sub>	0,32 kg / s
Efficiency, η <sub>0</sub>	0,4 %
Effective Surface Area, S <sub>d</sub>	0,003 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> <sup>4</sup>	2 mm
Displacement Volume, V <sub>d</sub>	5 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,16 mH

Notes:

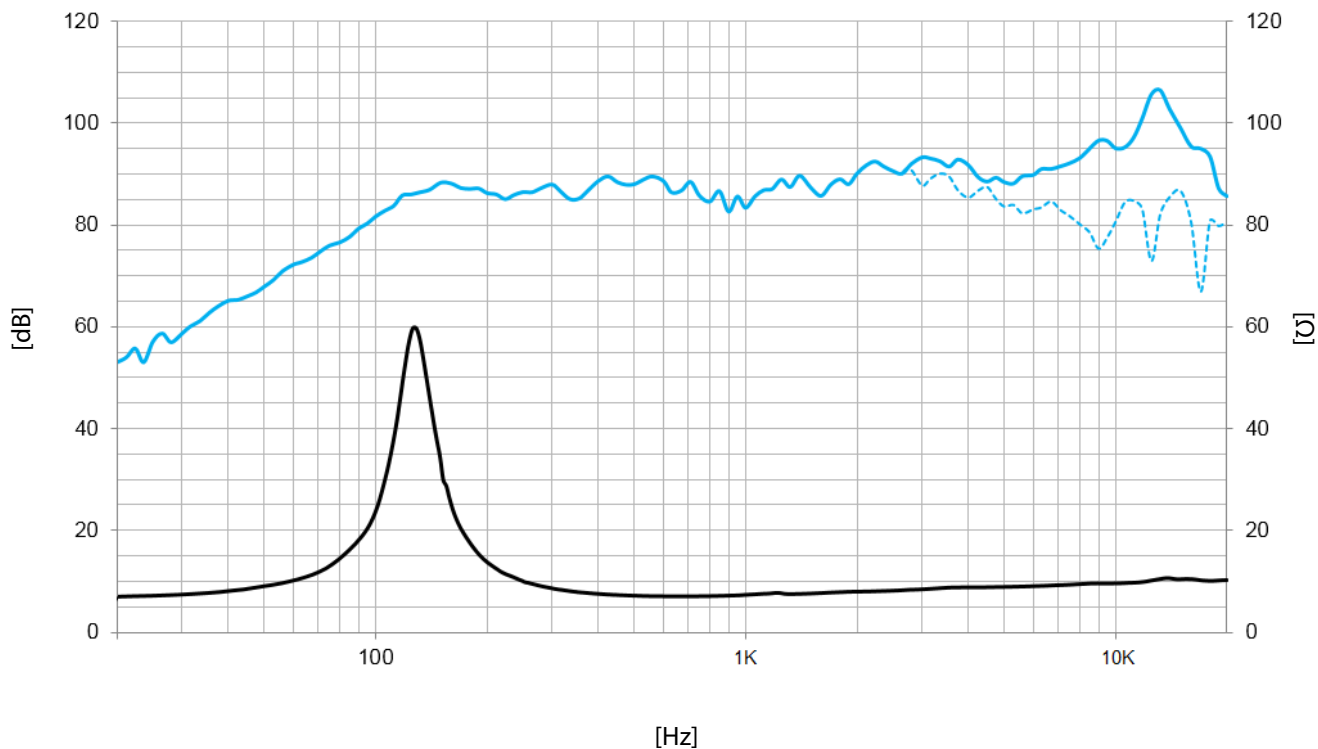
<sup>1</sup> The power capacity is determined according to AES2-1984 (r2003) standard.

<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	93,5 mm	3,7 in
Bolt circle diameter	85 mm	3,4 in
Baffle cutout diameter:		
- Front mount	75 mm	3,9 in
Depth	52 mm	2 in
Net weight	0,57 kg	1,2 lb
Shipping weight	0,70 kg	1,5 lb

### DIMENSION DRAWING

