

KEY FEATURES

- 3" full-range compact neodymium loudspeaker
- 60 W program power
- Extended response and low distortion
- Paper cone and treated cloth surround
- Steel basket
- Ideal for beam-steering application (columns), portable array and compact applications



TECHNICAL SPECIFICATIONS

Nominal diameter	77 mm	3 in
Rated impedance		8 Ω
Minimum impedance		6,4 Ω
Power capacity ¹		30 W _{AES}
Program power ²		60 W
Sensitivity	91 dB	1W / 1m @ Z _N
Frequency range		180 - 20.000 Hz
Voice coil diameter	20,3 mm	0,8 in
Bl factor		4,8 N/A
Moving mass		0,002 kg
Voice coil length		10,5 mm
Air gap height		3 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	180 Hz
D.C. Voice coil resistance, R _e	5,5 Ω
Mechanical Quality Factor, Q _{ms}	9,5
Electrical Quality Factor, Q _{es}	0,60
Total Quality Factor, Q _{ts}	0,55
Equivalent Air Volume to C _{ms} , V _{as}	0,55 l
Mechanical Compliance, C _{ms}	357 $\mu\text{m} / \text{N}$
Mechanical Resistance, R _{ms}	0,26 kg / s
Efficiency, η_0	0,52 %
Effective Surface Area, S _d	0,003 m ²
Maximum Displacement, X _{max} ⁴	4,5 mm
Displacement Volume, V _d	13,5 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,3 mH

Notes:

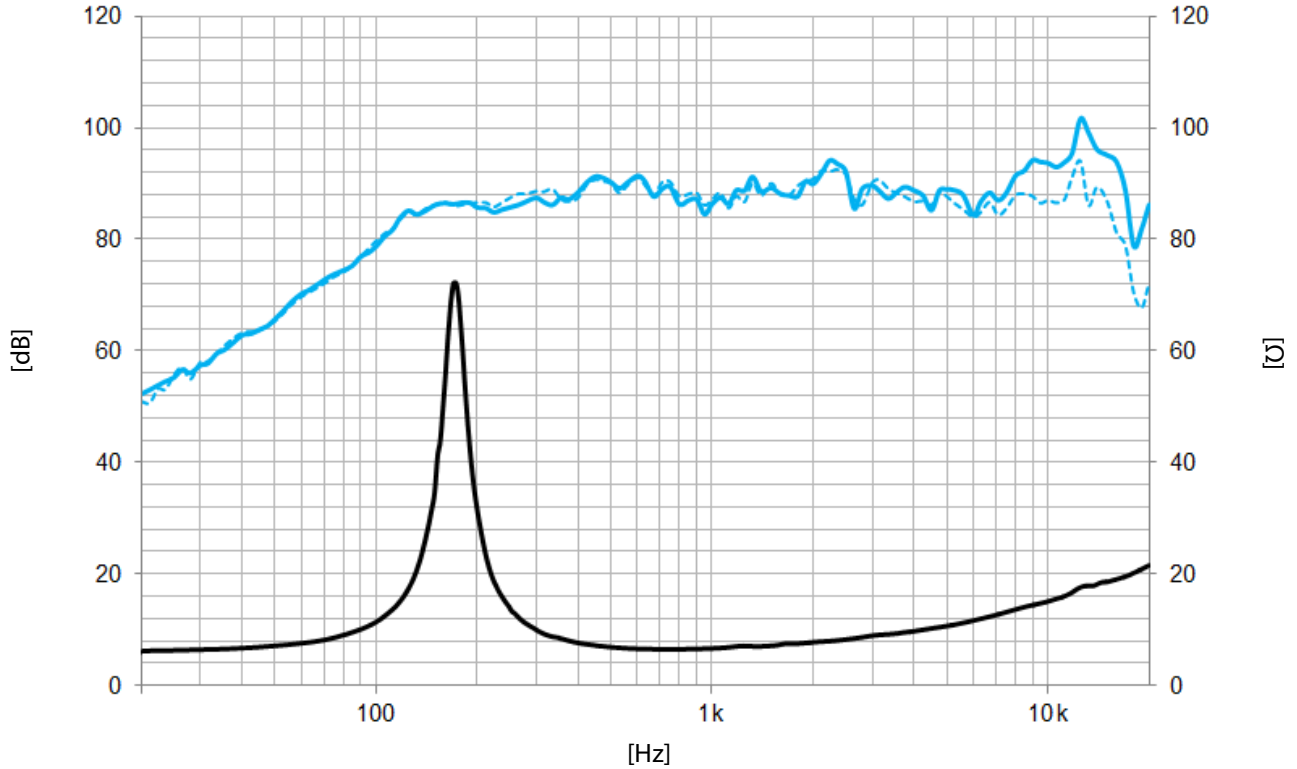
¹ The power capacity is determined according to AES2-1984 (r2003) standard.

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.

⁵ 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	3,3 in
Baffle cutout diameter:		
- Front mount	75 mm	2,9 in
Depth	41 mm	1,6 in
Net weight	0,25 kg	0,5 lb
Shipping weight	0,40 kg	0,9 lb

DIMENSION DRAWING

