

KEY FEATURES

- 100 W_{RMS} program power
- Sensitivity: 92 dB (1W / 1m)
- 2" copper voice coil
- Ferrite magnet
- Extended controlled displacement: $X_{max} \pm 6,5$ mm
- 31 mm peak-to-peak excursion before damage
- Designed for low frequency reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		7,5 Ω
Power capacity ¹		100 W _{RMS}
Program power ²		200 W
Sensitivity	92 dB	1W / 1m @ Z _N
Frequency range		30 - 5.000 Hz
Recom. enclosure vol.	30 / 100 l	1,1 / 3,5 ft ³
Voice coil diameter	50,8 mm	2 in
BI factor		10,9 N/A
Moving mass		0,044 kg
Voice coil length		16 mm
Air gap height		7 mm
X _{damage} (peak to peak)		31 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	29 Hz
D.C. Voice coil resistance, R _e	6,5 Ω
Mechanical Quality Factor, Q _{ms}	3,3
Electrical Quality Factor, Q _{es}	0,44
Total Quality Factor, Q _{ts}	0,39
Equivalent Air Volume to C _{ms} , V _{as}	142 l
Mechanical Compliance, C _{ms}	693 μ m / N
Mechanical Resistance, R _{ms}	2,4 kg / s
Efficiency, η_0	0,75 %
Effective Surface Area, S _d	0,038 m ²
Maximum Displacement, X _{max} ⁴	6,5 mm
Displacement Volume, V _d	247 cm ³
Voice Coil Inductance, L _e	1,14 mH

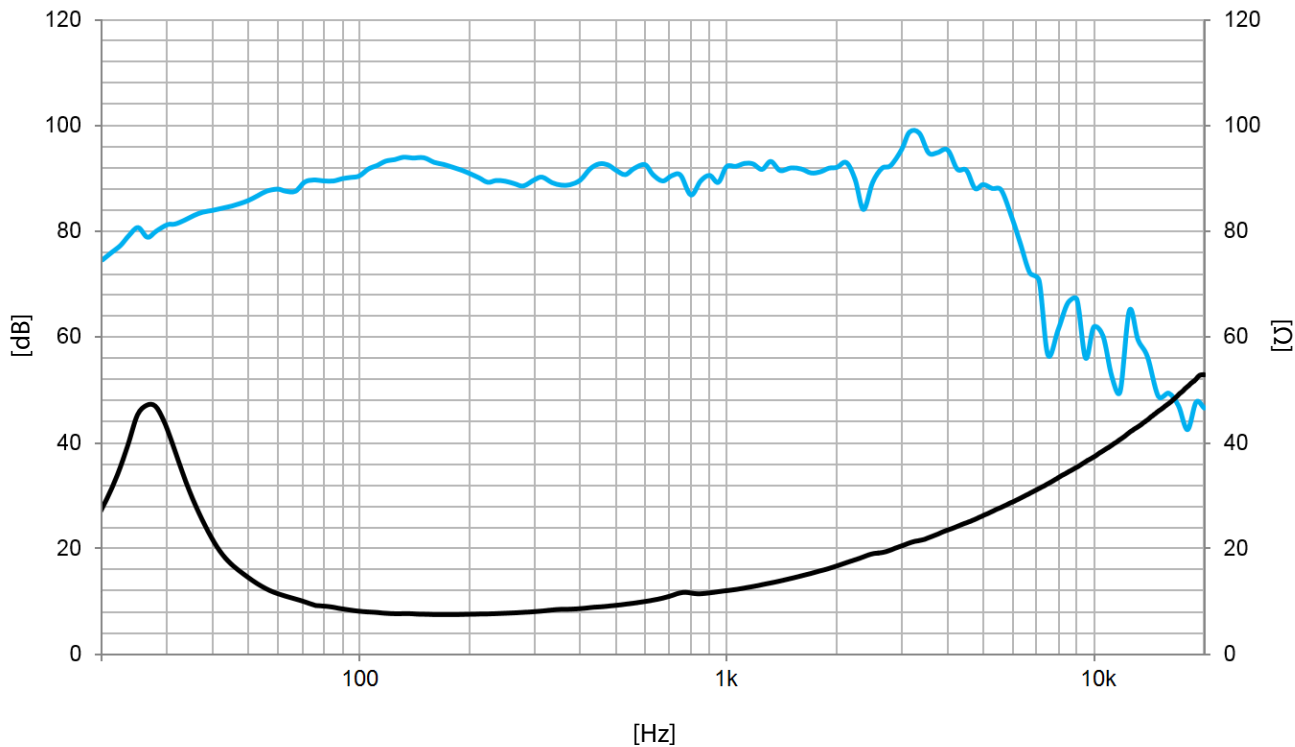
Notes:

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.



Note: Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

MOUNTING INFORMATION

Overall diameter	260,5 mm	10,3 in
Bolt circle diameter	243,5 mm	9,6 in
Baffle cutout diameter:		
- Front mount	228 mm	9,0 in
Depth	117 mm	4,7 in
Net weight	2,9 kg	6,3 lb
Shipping weight	3,3 kg	7,2 lb

DIMENSION DRAWING

