

KEY FEATURES

- 100 W_{RMS} program power
- Sensitivity: 93 dB (1W / 1m)
- 2" copper voice coil
- Ferrite magnet
- Extended controlled displacement: $X_{max} \pm 8$ mm
- 26 mm peak-to-peak excursion before damage
- Designed for low frequency reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		6,6 Ω
Power capacity ¹		125 W _{RMS}
Program power ²		250 W
Sensitivity	93 dB	1W / 1m @ Z _N
Frequency range		35 - 4.000 Hz
Recom. enclosure vol.	50 / 120 l	1,8 / 4,2 ft ³
Voice coil diameter	50,8 mm	2 in
BI factor		12,1 N/A
Moving mass		0,074 kg
Voice coil length		19 mm
Air gap height		7 mm
X _{damage} (peak to peak)		26 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	31 Hz
D.C. Voice coil resistance, R _e	5,6 Ω
Mechanical Quality Factor, Q _{ms}	4,4
Electrical Quality Factor, Q _{es}	0,56
Total Quality Factor, Q _{ts}	0,50
Equivalent Air Volume to C _{ms} , V _{as}	142 l
Mechanical Compliance, C _{ms}	345 μ m / N
Mechanical Resistance, R _{ms}	3,3 kg / s
Efficiency, η_0	0,8 %
Effective Surface Area, S _d	0,054 m ²
Maximum Displacement, X _{max} ⁴	8 mm
Displacement Volume, V _d	340 cm ³
Voice Coil Inductance, L _e	0,8 mH

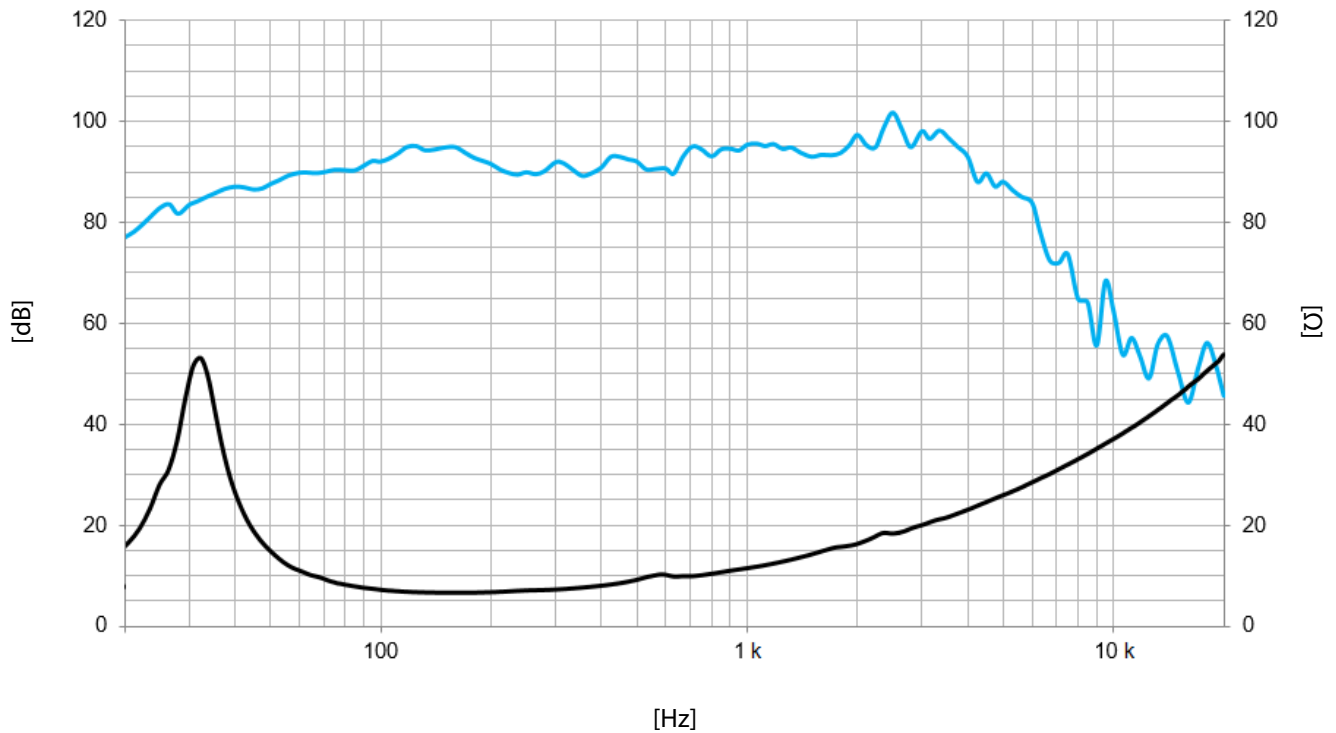
Notes:

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	312 mm	12,3 in
Bolt circle diameter	294,5 mm	11,6 in
Baffle cutout diameter:		
- Front mount	278 mm	10,9 in
Depth	134 mm	5,3 in
Net weight	3,6 kg	7,9 lb
Shipping weight	4,3 kg	9,5 lb

DIMENSION DRAWING

