

KEY FEATURES

- 100 W program power
- Sensitivity: 88 dB (1W / 1m)
- Smooth, flat and wide frequency response
- Copper shorting-cup for reduced harmonic distortion
- Extended controlled displacement: $X_{max} \pm 5,5$ mm
- 20 mm peak-to-peak excursion before damage
- Especially well suited for small bass-reflex cabinets for high quality monitor applications



TECHNICAL SPECIFICATIONS

Nominal diameter	125 mm	5 in
Rated impedance		8 Ω
Minimum impedance		5,5 Ω
Power capacity ¹		50 W _{RMS}
Program power ²		100 W
Sensitivity	88 dB	1W / 1m @ Z _N
Frequency range		65 - 12.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 8 l F _b = 54 Hz
Voice coil diameter	25,4 mm	1 in
Bl factor		6,4 N/A
Moving mass		0,011 kg
Voice coil length		14 mm
Air gap height		6 mm
X _{damage} (peak to peak)		20 mm

Notes:

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

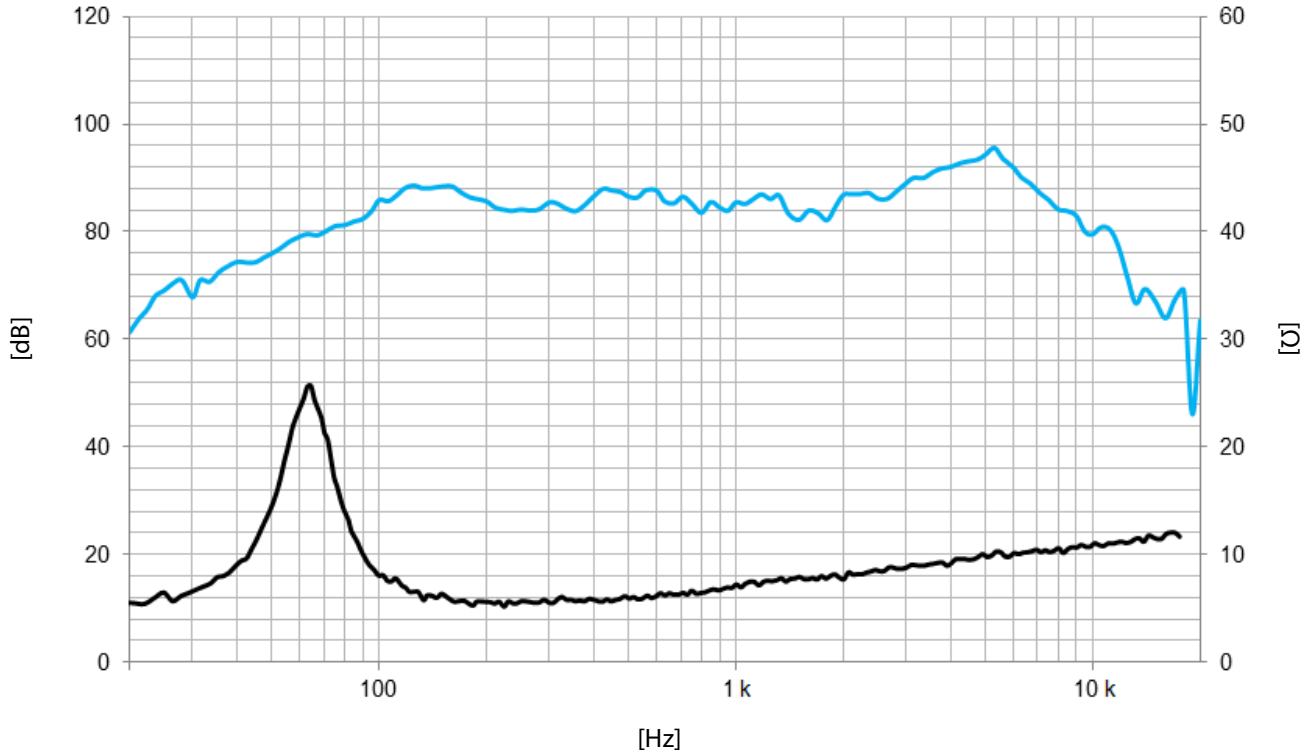
² Program power is defined as power capacity + 3 dB.

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.

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	63 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	2,3
Electrical Quality Factor, Q _{es}	0,58
Total Quality Factor, Q _{ts}	0,46
Equivalent Air Volume to C _{ms} , V _{as}	5,8 l
Mechanical Compliance, C _{ms}	564 μ m / N
Mechanical Resistance, R _{ms}	2 kg / s
Efficiency, η_0	0,25 %
Effective Surface Area, S _d	0,0085 m ²
Maximum Displacement, X _{max} ⁴	5,5 mm
Displacement Volume, V _d	46 cm ³
Voice Coil Inductance, L _e	0,2 mH



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

MOUNTING INFORMATION

Overall diameter	150 mm	5,9 in
Bolt circle diameter	137 mm	5,4 in
Baffle cutout diameter:		
- Front mount	120 mm	4,7 in
Depth	68 mm	2,7 in
Net weight	1,2 kg	2,6 lb
Shipping weight	1,3 kg	2,8 lb

DIMENSION DRAWING

