

KEY FEATURES

- 400 W program power
- Sensitivity: 94 dB (1W / 1m)
- Extended controlled displacement: $X_{max} \pm 5$ mm
- 20 mm peak-to-peak excursion before damage
- Copper shorting cap for low harmonic distortion
- CONEX spider
- Waterproof paper cone with rubber surround
- Designed for for small / compact designs



TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		5,9 Ω
Power capacity ¹		200 W _{AES}
Program power ²		400 W
Sensitivity	93 dB	1W / 1m @ Z _N
Frequency range		60 - 9.000 Hz
Recom. enclosure		V _b = 9 l
(Bass-reflex design)		F _b = 74 Hz
Voice coil diameter	50,8 mm	2 in
BI factor		10,5 N/A
Moving mass		0,017 kg
Voice coil length		14 mm
Air gap height		9 mm
X _{damage} (peak to peak)		20 mm

Notes:

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

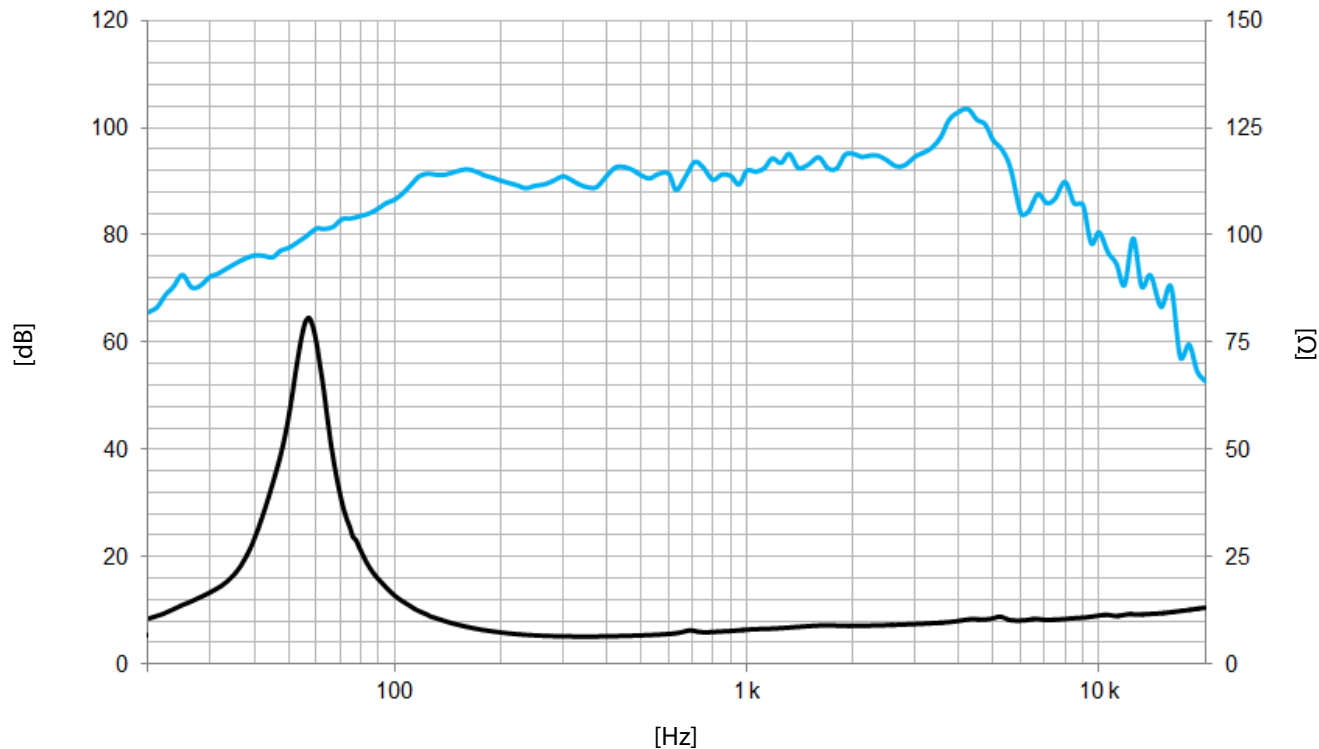
² Program power is defined as power capacity + 3 dB.

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	58 Hz
D.C. Voice coil resistance, R _e	4,9 Ω
Mechanical Quality Factor, Q _{ms}	4,6
Electrical Quality Factor, Q _{es}	0,27
Total Quality Factor, Q _{ts}	0,26
Equivalent Air Volume to C _{ms} , V _{as}	11,1 l
Mechanical Compliance, C _{ms}	429 μ m / N
Mechanical Resistance, R _{ms}	1,4 kg / s
Efficiency, η_0	0,75 %
Effective Surface Area, S _d	0,0135 m ²
Maximum Displacement, X _{max} ⁴	5 mm
Displacement Volume, V _d	68 cm ³
Voice Coil Inductance, L _e	0,3 mH



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

MOUNTING INFORMATION

Overall diameter	187,5 mm	7,4 in
Bolt circle diameter	172 mm	6,8 in
Baffle cutout diameter:		
- Front mount	145,3 mm	5,7 in
Depth	87 mm	3,4 in
Net weight	3,1 kg	6,8 lb
Shipping weight	3,5 kg	7,8 lb

DIMENSION DRAWING

