

KEY FEATURES

- 400 W program power
- Sensitivity: 93 dB (1W / 1m)
- Extended controlled displacement: $X_{max} \pm 4$ 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		16 Ω
Minimum impedance		11,8 Ω
Power capacity ¹		200 W _{AES}
Program power ²		400 W
Sensitivity	93 dB	1W / 1m @ Z _N
Frequency range		70 - 9.000 Hz
Voice coil diameter	50,8 mm	2 in
BI factor		13,6 N/A
Moving mass		0,016 kg
Voice coil length		12 mm
Air gap height		9 mm
X _{damage} (peak to peak)		20 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	66 Hz
D.C. Voice coil resistance, R _e	9,9 Ω
Mechanical Quality Factor, Q _{ms}	4,3
Electrical Quality Factor, Q _{es}	0,38
Total Quality Factor, Q _{ts}	0,35
Equivalent Air Volume to C _{ms} , V _{as}	8,8 l
Mechanical Compliance, C _{ms}	343 μm / N
Mechanical Resistance, R _{ms}	1,6 kg / s
Efficiency, η ₀	0,7 %
Effective Surface Area, S _d	0,0135 m ²
Maximum Displacement, X _{max} ⁴	4 mm
Displacement Volume, V _d	54 cm ³
Voice Coil Inductance, L _e	0,3 mH

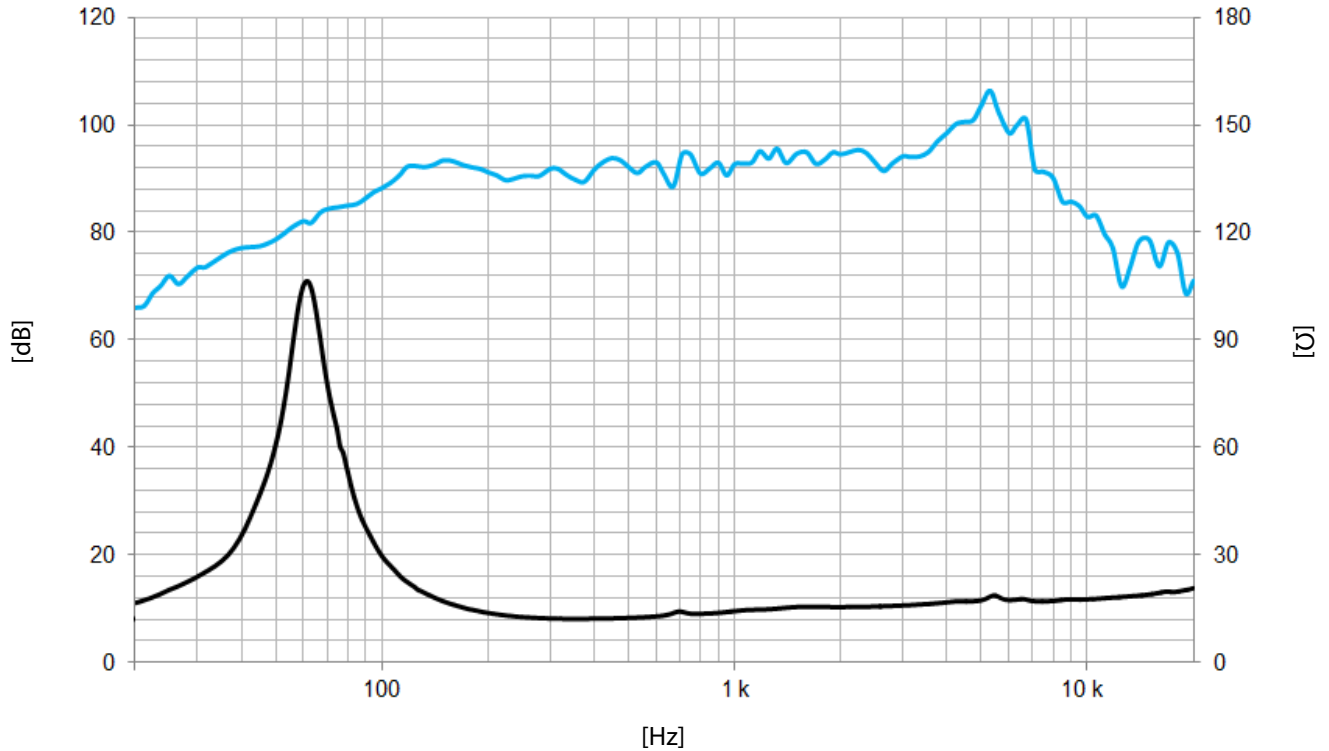
Notes:

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.



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	146 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

