

KEY FEATURES

- High power handling 200 W_{AES}
- High sensitivity: 92 dB (1W / 1m)
- 2" aluminum voice coil
- Weatherproof treatment for both sides of the cone
- Forced air convection circuit for low power compression
- Extended controlled displacement: X_{max} ± 5,5 mm
- Optimized for small and compact designs



TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		5,8 Ω
Power capacity ¹		200 W _{AES}
Program power ²		400 W
Sensitivity	92 dB	1W / 1m @ Z _N
Frequency range		60 - 9.000 Hz
Recom. enclosure vol.	10 / 40 l	0,35 / 1,4 ft ³
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		7 mm
X _{damage} (peak to peak)		20 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	56 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	3,7
Electrical Quality Factor, Q _{es}	0,32
Total Quality Factor, Q _{ts}	0,29
Equivalent Air Volume to C _{ms} , V _{as}	11,9 l
Mechanical Compliance, C _{ms}	468 μm / N
Mechanical Resistance, R _{ms}	1,6 kg / s
Efficiency, η ₀	0,65 %
Effective Surface Area, S _d	0,0135 m ²
Maximum Displacement, X _{max} ⁴	5,5 mm
Displacement Volume, V _d	74,2 cm ³
Voice Coil Inductance, L _e	0,6 mH

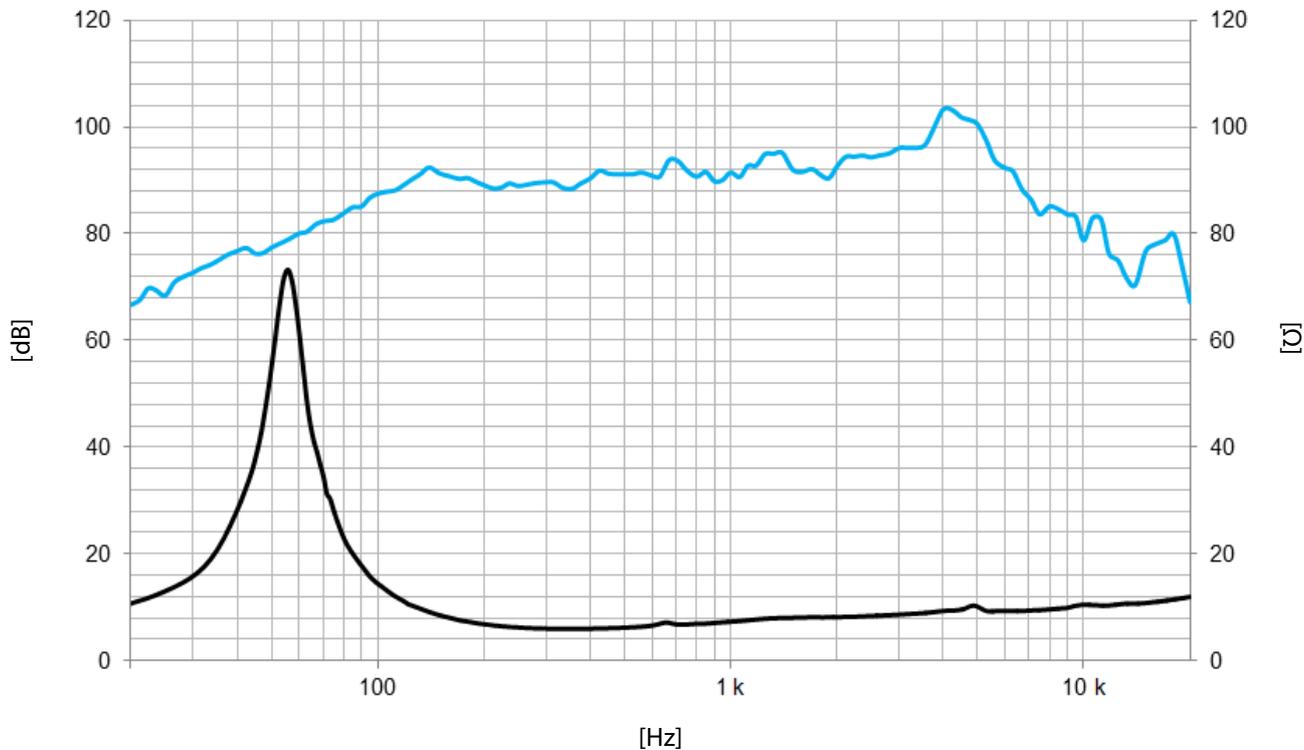
Notes:

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	145,3 mm	5,7 in
Depth	90 mm	3,5 in
Net weight	1,9 kg	4,2 lb
Shipping weight	2 kg	4,4 lb

DIMENSION DRAWING

