

KEY FEATURES

- High power handling: 500 W program power
- 2" copper wire voice coil
- High sensitivity: 95 dB (1W / 1m)
- FEA optimized ceramic magnetic circuit
- Designed with MMSS technology
- Low harmonic distortion and linear response
- Waterproof cone with treatment on both sides of the cone
- Optimized pressed steel frame
- Extended controlled displacement: $X_{max} \pm 6$ mm
- 32 mm peak-to-peak excursion before damage
- Wide range of applications of low and mid-low frequencies



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		7,6 Ω
Power capacity*	250 W _{AES}	
Program power		500 W
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range		70 - 4.000 Hz
Voice coil diameter	50,8 mm	2 in
Bl factor		15,5 N/A
Moving mass		0,028 kg
Voice coil length		15 mm
Air gap height		8 mm
X _{damage} (peak to peak)		32 mm

THIELE-SMALL PARAMETERS**

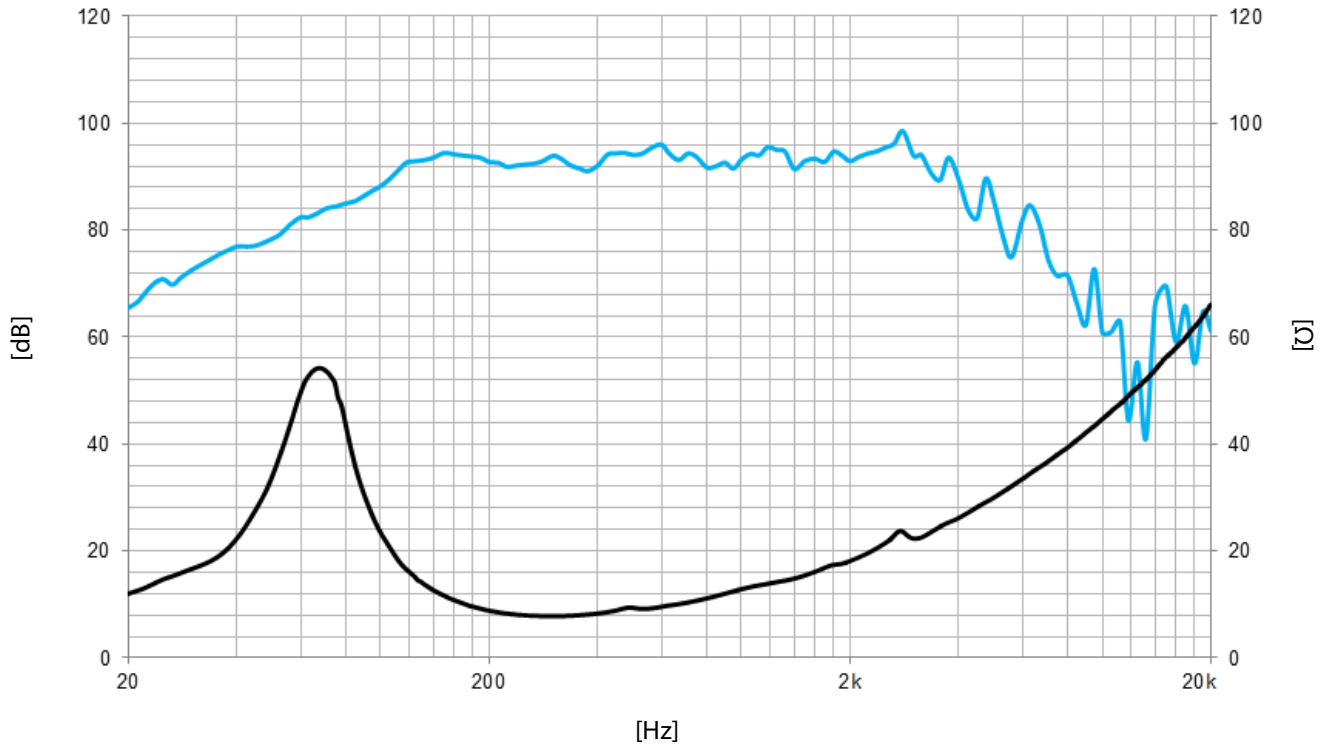
Resonant frequency, f _s	68 Hz
D.C. Voice coil resistance, R _e	5,9 Ω
Mechanical Quality Factor, Q _{ms}	2,8
Electrical Quality Factor, Q _{es}	0,30
Total Quality Factor, Q _{ts}	0,27
Equivalent Air Volume to C _{ms} , V _{as}	12,5 l
Mechanical Compliance, C _{ms}	184 μ m / N
Mechanical Resistance, R _{ms}	4,5 kg / s
Efficiency, η_0	1,3 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ***	6 mm
Displacement Volume, V _d	132 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,9 mH

Notes:

* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

** 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).

*** 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: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

MOUNTING INFORMATION

Overall diameter	210 mm	8,27 in
Bolt circle diameter	195,5 mm	7,69 in
Baffle cutout diameter:		
- Front mount	180 mm	7,08 in
Depth	95 mm	3,74 in
Net weight	3,25 kg	7,2 lb
Shipping weight	3,55 kg	7,8 lb

DIMENSION DRAWING

