

KEY FEATURES

- High power handling: 500 W program power
- 1.5" copper wire voice coil
- High sensitivity: 95 dB (1W / 1m)
- Very linear extended response and low distortion
- Treated double roll cloth surround
- Optimized pressed steel frame
- Ferrite magnet
- Designed for bass and midbass applications in small vented cabinets



TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		7,3 Ω
Power capacity*		250 W _{AES}
Program power		500 W
Sensitivity	95 dB	1W / 1m @ Z _N
Frequency range		60 - 5.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 30 l F _b = 54 Hz
Voice coil diameter	38,1 mm	1,5 in
Bl factor		13,6 N/A
Moving mass		0,041 kg
Voice coil length		16 mm
Air gap height		7 mm
X _{damage} (peak to peak)		30 mm

Notes:

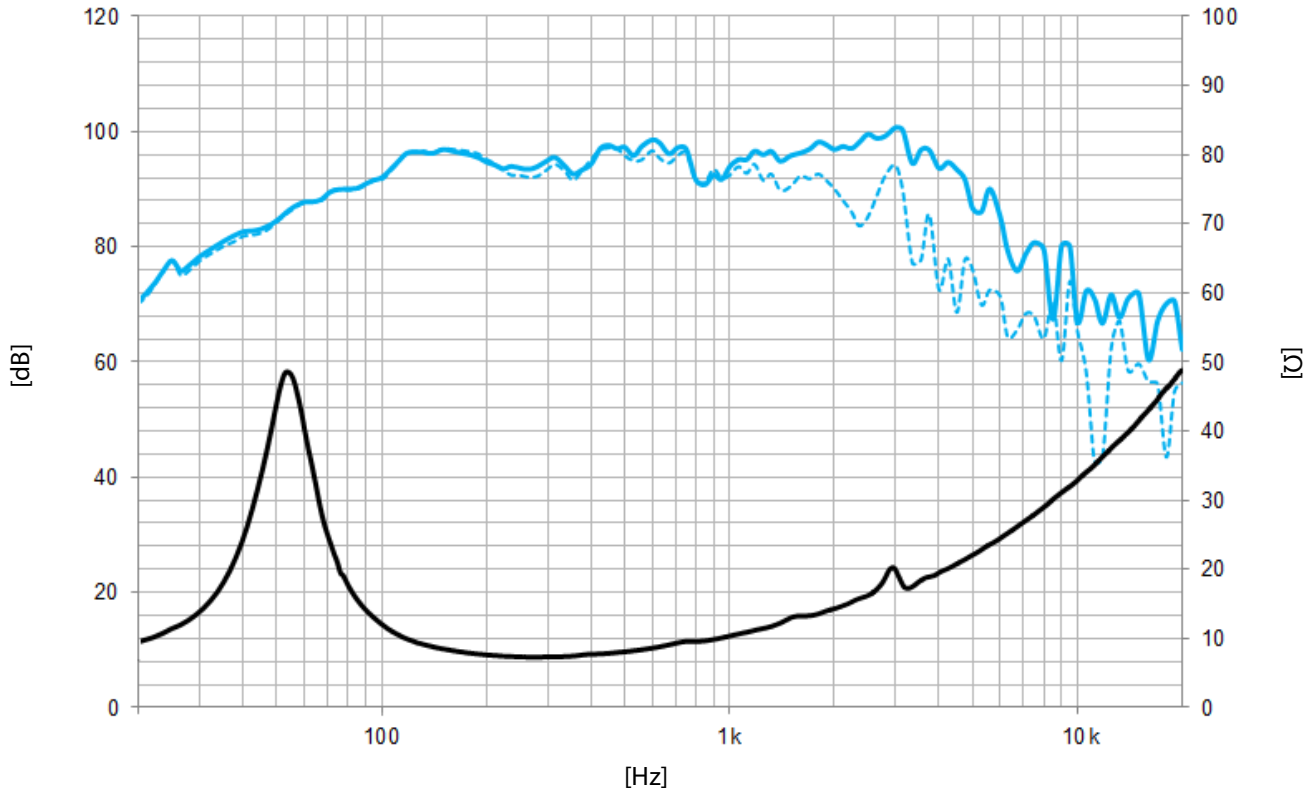
* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

** 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.

THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	55 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	4
Electrical Quality Factor, Q _{es}	0,47
Total Quality Factor, Q _{ts}	0,42
Equivalent Air Volume to C _{ms} , V _{as}	40,3 l
Mechanical Compliance, C _{ms}	197 μm / N
Mechanical Resistance, R _{ms}	3,6 kg / s
Efficiency, η ₀	1,4 %
Effective Surface Area, S _d	0,038 m ²
Maximum Displacement, X _{max} ***	6,5 mm
Displacement Volume, V _d	247 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,8 mH



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

MOUNTING INFORMATION

Overall diameter	258 mm	10,2 in
Bolt circle diameter	241 mm	9,5 in
Baffle cutout diameter:		
- Front mount	230 mm	9,1 in
Depth	115 mm	4,5 in
Net weight	3,1 kg	6,8 lb
Shipping weight	3,5 kg	7,7 lb

DIMENSION DRAWING

