

KEY FEATURES

- High power handling: 640 W program power
- 2.5" CCAW wire voice coil
- High sensitivity: 96 dB (1W / 1m)
- Very linear extended response and low distortion
- Treated triple roll cloth surround
- Optimized pressed steel frame
- Ferrite magnet
- Designed for bass and midbass applications in small vented cabinets



TECHNICAL SPECIFICATIONS

Nominal diameter	300 mm	12 in
Rated impedance		8 Ω
Minimum impedance		7,2 Ω
Power capacity*	320 W _{AES}	
Program power	640 W	
Sensitivity	96 dB	1W / 1m @ Z _N
Frequency range	50 - 6.000 Hz	
Recom. enclosure	V _b = 50 l	
(Bass-reflex design)	F _b = 54 Hz	
Voice coil diameter	63,5 mm	2,5 in
Bl factor	13,7 N/A	
Moving mass	0,054 kg	
Voice coil length	17 mm	
Air gap height	7 mm	
X _{damage} (peak to peak)	29 mm	

Notes:

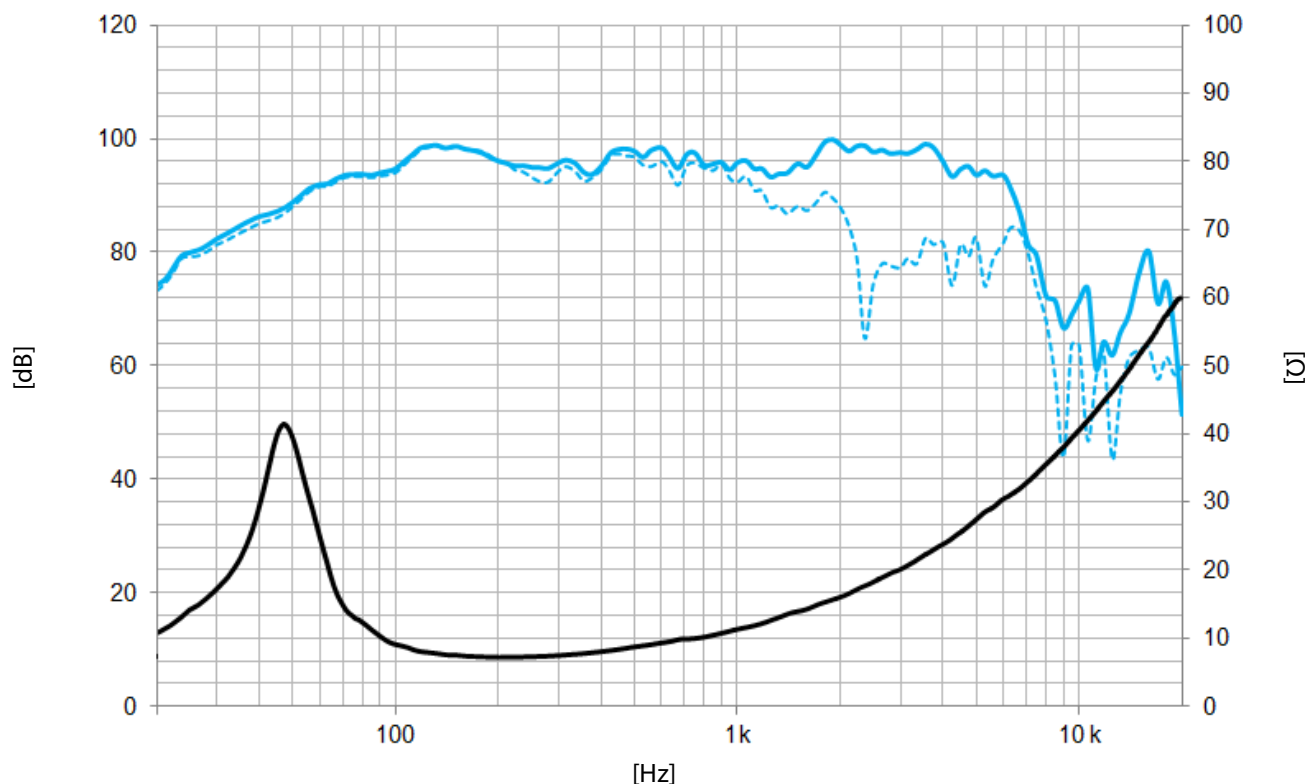
* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

** 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	49 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	3,9
Electrical Quality Factor, Q _{es}	0,54
Total Quality Factor, Q _{ts}	0,47
Equivalent Air Volume to C _{ms} , V _{as}	76 l
Mechanical Compliance, C _{ms}	193 μ m / N
Mechanical Resistance, R _{ms}	4,2 kg / s
Efficiency, η_0	1,7 %
Effective Surface Area, S _d	0,053 m ²
Maximum Displacement, X _{max} ***	7 mm
Displacement Volume, V _d	371 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1 mH



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

— Frequency response on axis
- - - Frequency response 45° off axis

MOUNTING INFORMATION

Overall diameter	310 mm	12,2 in
Bolt circle diameter	292 mm	11,5 in
Baffle cutout diameter:		
- Front mount	280 mm	11,0 in
Depth	130 mm	5,1 in
Net weight	4,6 kg	10,1 lb
Shipping weight	5,3 kg	11,7 lb

DIMENSION DRAWING

