

KEY FEATURES

- High power handling: 700 W program power
- 3" copper wire voice coil
- High sensitivity: 97 dB (1W / 1m)
- Extremely linear 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	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		7,5 Ω
Power capacity*		350 W _{AES}
Program power		700 W
Sensitivity	97 dB	1W / 1m @ Z _N
Frequency range		50 - 4.000 Hz
Recom. enclosure		V _b = 75 l
(Bass-reflex design)		F _b = 50 Hz
Voice coil diameter	76,2 mm	3 in
Bl factor		18,8 N/A
Moving mass		0,106 kg
Voice coil length		17,5 mm
Air gap height		7 mm
X _{damage} (peak to peak)		35 mm

THIELE-SMALL PARAMETERS**

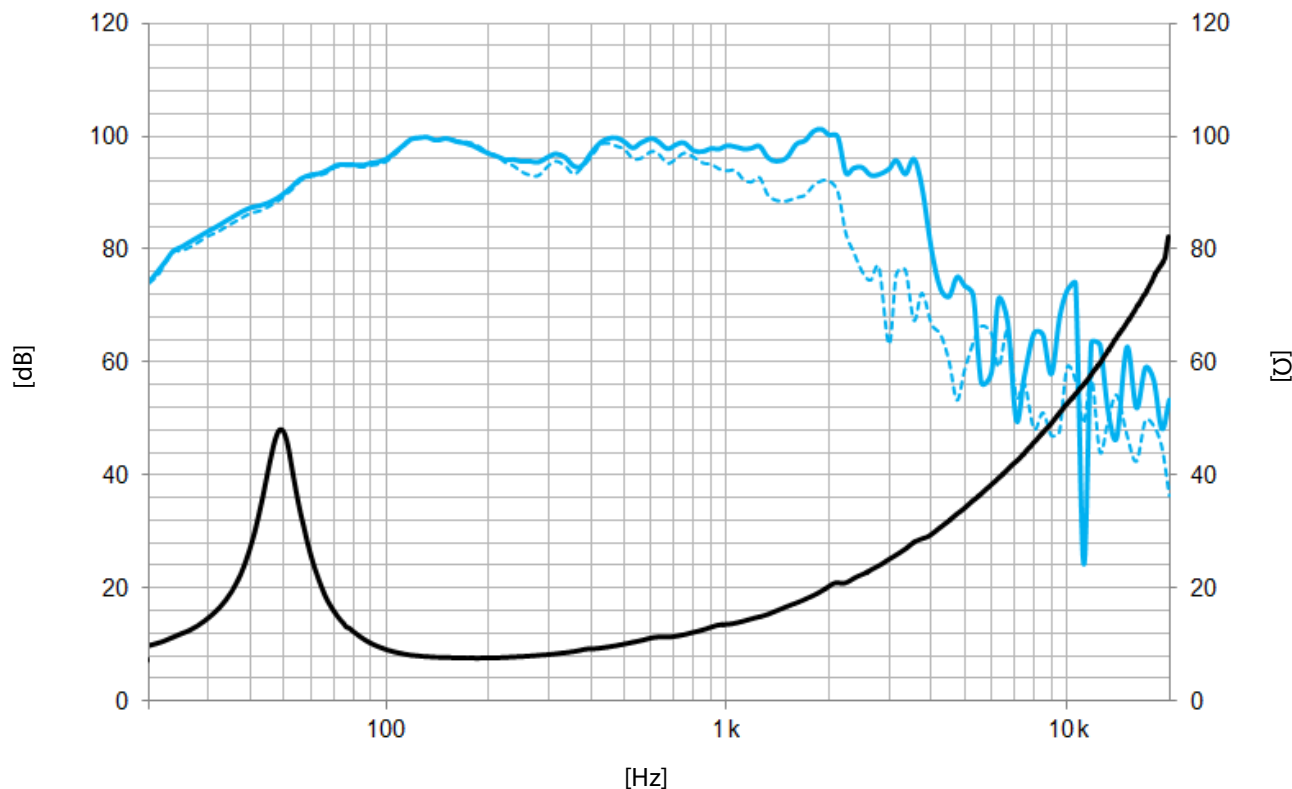
Resonant frequency, f _s	49 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	4,1
Electrical Quality Factor, Q _{es}	0,55
Total Quality Factor, Q _{ts}	0,49
Equivalent Air Volume to C _{ms} , V _{as}	104 l
Mechanical Compliance, C _{ms}	95 μ m / N
Mechanical Resistance, R _{ms}	8,1 kg / s
Efficiency, η_0	2,3 %
Effective Surface Area, S _d	0,088 m ²
Maximum Displacement, X _{max} ***	7 mm
Displacement Volume, V _d	616 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1,2 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: 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	385 mm	15,1 in
Bolt circle diameter	367 mm	14,4 in
Baffle cutout diameter:		
- Front mount	353 mm	13,9 in
Depth	165 mm	6,5 in
Net weight	6 kg	13,2 lb
Shipping weight	7 kg	15,4 lb

DIMENSION DRAWING

