

KEY FEATURES

- Program power: 500 W
- Sensitivity: 94 dB (1W / 1m)
- 2" aluminum voice coil
- Die cast aluminum basket
- Shorting cap for extended response and low harmonic distortion
- Designed for high quality mid-frequency reproduction



TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		6,8 Ω
Power capacity*	250 W _{AES}	
Program power		500 W
Sensitivity	94 dB	1W / 1m @ Z _N
Frequency range		100 - 8.000 Hz
Voice coil diameter	50,8 mm	2 in
BI factor		10,8 N/A
Moving mass		0,014 kg
Voice coil length		9 mm
Air gap height		7 mm

THIELE-SMALL PARAMETERS**

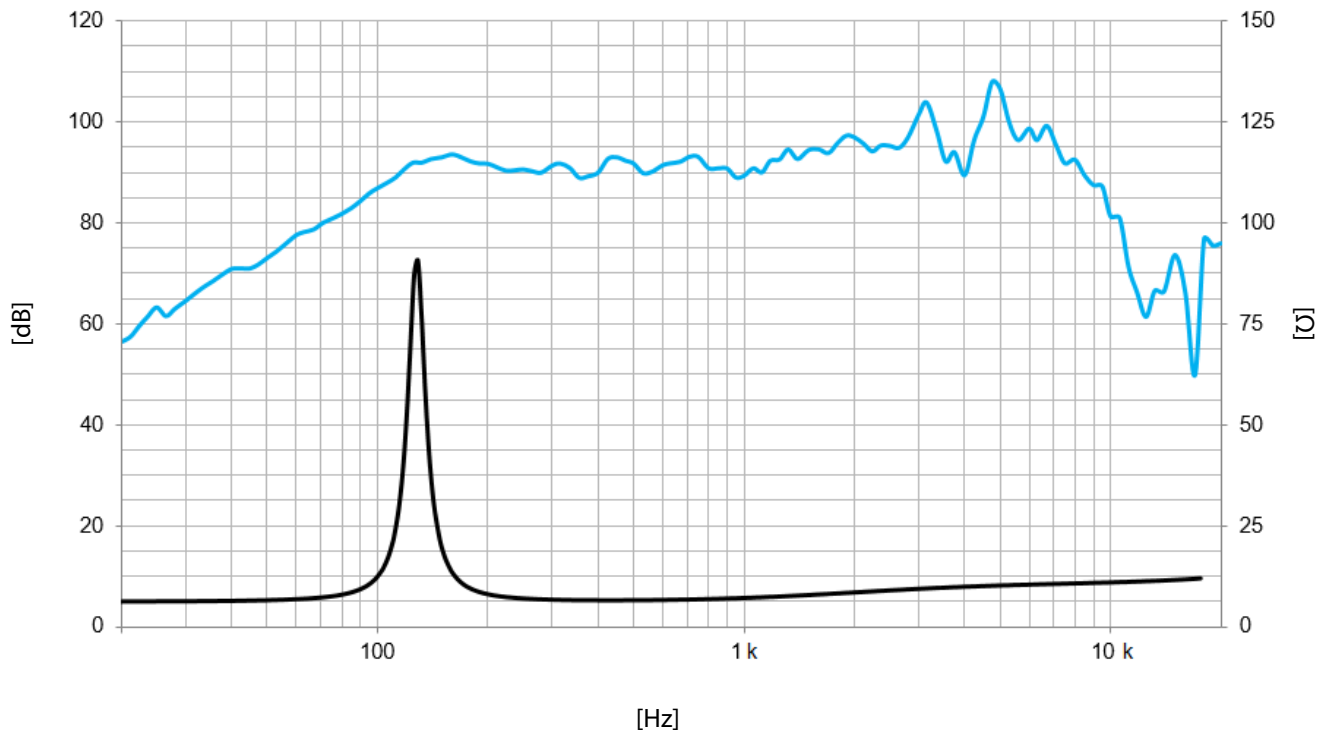
Resonant frequency, f _s		128 Hz
D.C. Voice coil resistance, R _e		6 Ω
Mechanical Quality Factor, Q _{ms}		8,6
Electrical Quality Factor, Q _{es}		0,55
Total Quality Factor, Q _{ts}		0,51
Equivalent Air Volume to C _{ms} , V _{as}		3,1 l
Mechanical Compliance, C _{ms}		119 μm / N
Mechanical Resistance, R _{ms}		1,2 kg / s
Efficiency, η ₀		1,2 %
Effective Surface Area, S _d		0,014 m ²
Maximum Displacement, X _{max} ***		3 mm
Displacement Volume, V _d		42 cm ³
Voice Coil Inductance, L _e @ 1 kHz		0,2 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: On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

MOUNTING INFORMATION

Overall diameter	174 mm	6,9 in
Bolt circle diameter	158 mm	6,2 in
Baffle cutout diameter:		
- Front mount	146 mm	5,8 in
Depth	85 mm	3,3 in
Volume displaced by driver	0,75 l	0,03 ft ³
Net weight	3,0 kg	6,6 lb
Shipping weight	3,1 kg	6,8 lb

DIMENSION DRAWING

