

### 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 $\Omega$
Minimum impedance		6,8 $\Omega$
Power capacity*	250 W <sub>AES</sub>	
Program power		500 W
Sensitivity	94 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		100 - 8.000 Hz
Voice coil diameter	50,8 mm	2 in
Bl factor		10,8 N/A
Moving mass		0,014 kg
Voice coil length		9 mm
Air gap height		7 mm

### THIELE-SMALL PARAMETERS\*\*

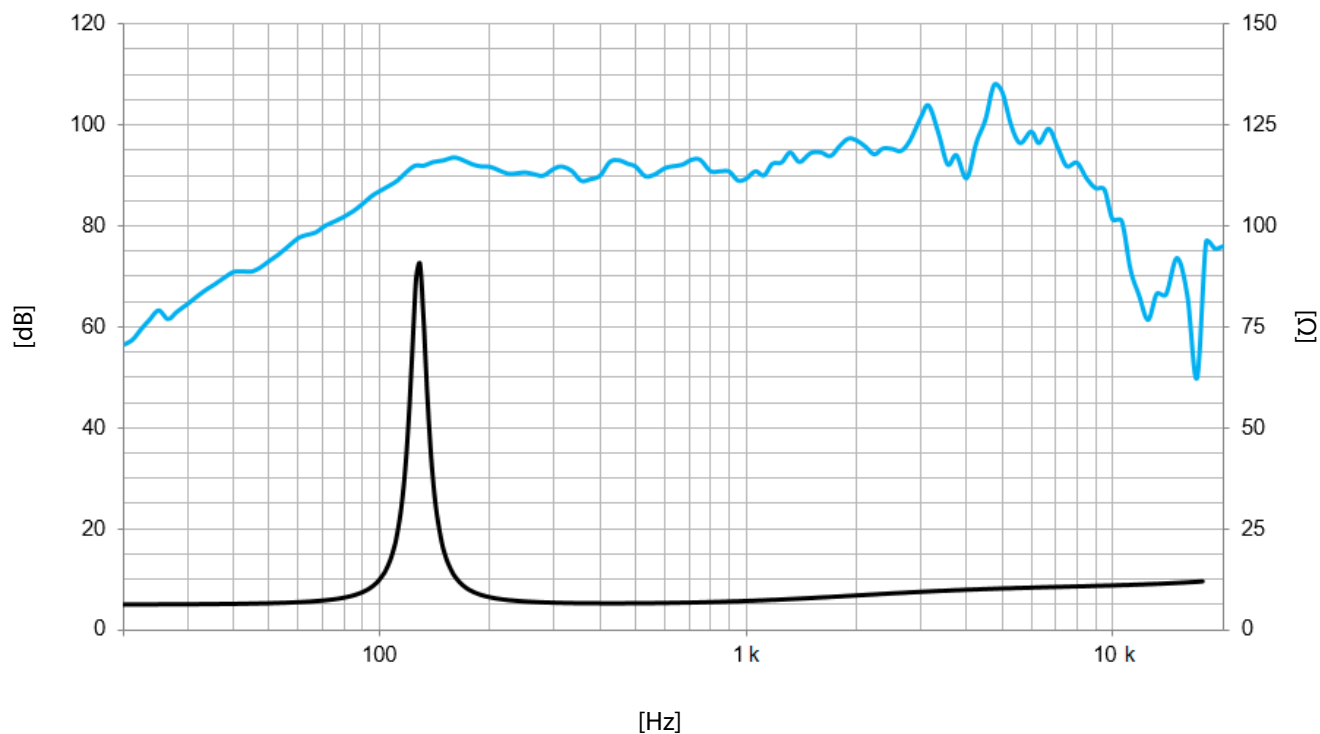
Resonant frequency, f <sub>s</sub>		128 Hz
D.C. Voice coil resistance, R <sub>e</sub>		6 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>		8,6
Electrical Quality Factor, Q <sub>es</sub>		0,55
Total Quality Factor, Q <sub>ts</sub>		0,51
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>		3,1 l
Mechanical Compliance, C <sub>ms</sub>		119 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>		1,2 kg / s
Efficiency, $\eta_0$		1,2 %
Effective Surface Area, S <sub>d</sub>		0,014 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***		3 mm
Displacement Volume, V <sub>d</sub>		42 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 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<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.



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

## MOUNTING INFORMATION

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

## DIMENSION DRAWING

