

### KEY FEATURES

- Excellent sensitivity (92 dB)
- 200 W program power
- 1,5" (38,5 mm) aluminum voice coil
- Designed for mid-bass applications
- Low weight due to the neodymium magnet system
- Optimized for the use in line array systems

### TECHNICAL SPECIFICATIONS

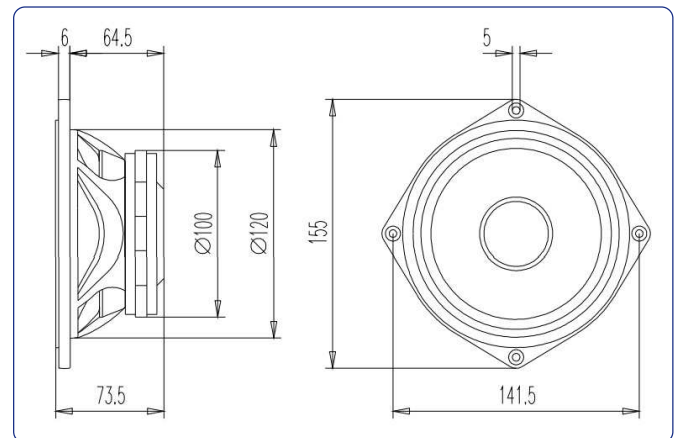
Nominal diameter	125 mm	5 in
Rated impedance		8 $\Omega$
Minimum impedance		6,9 $\Omega$
Power capacity*	100 W <sub>AES</sub>	
Program power	200 W	
Sensitivity	92 dB @ 1W @ 1m @ Z <sub>N</sub>	
Frequency range	150 - 17.000 Hz	
Recom. enclosure vol.	10 / 20 l	0,35 / 0,7 ft <sup>3</sup>
Voice coil diameter	38,5 mm	1,5 in
BI factor		10 N/A
Moving mass		0,009 kg
Voice coil length		9 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		20 mm

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	140 Hz
D.C. Voice coil resistance, R <sub>e</sub>	6,6 $\Omega$
Mechanical Quality Factor, Q <sub>ms</sub>	2,8
Electrical Quality Factor, Q <sub>es</sub>	0,53
Total Quality Factor, Q <sub>ts</sub>	0,45
Equivalent Air Volume to C <sub>ms</sub> , V <sub>as</sub>	1,45 l
Mechanical Compliance, C <sub>ms</sub>	143 $\mu$ m / N
Mechanical Resistance, R <sub>ms</sub>	2,9 kg / s
Efficiency, $\eta_0$	0,72 %
Effective Surface Area, S <sub>d</sub>	0,0085 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	3 mm
Displacement Volume, V <sub>d</sub>	26 cm <sup>3</sup>
Voice Coil Inductance, L <sub>e</sub> @ 1 kHz	0,2 mH



### DIMENSION DRAWINGS



### MOUNTING INFORMATION

Overall diameter	155 mm	6,10 in
Bolt circle diameter	141,5 mm	5,57 in
Baffle cutout diameter:		
- Front mount	120 mm	4,72 in
Depth	73,5 mm	2,89 in
Net weight	1,3 kg	2,86 lb
Shipping weight	1,8 kg	3,96 lb

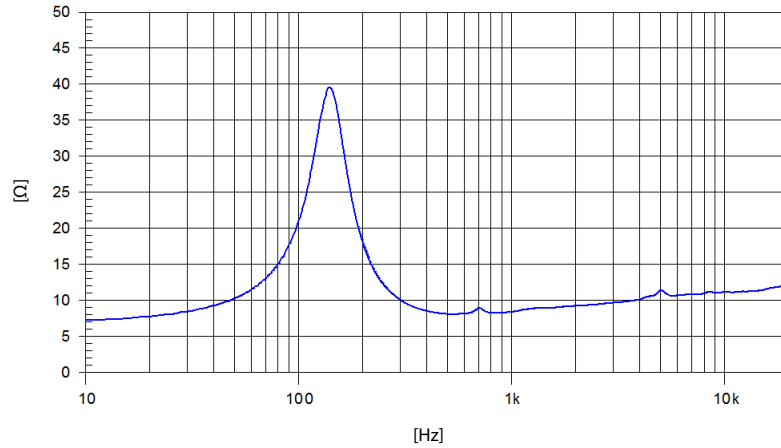
#### Notes:

\* 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.

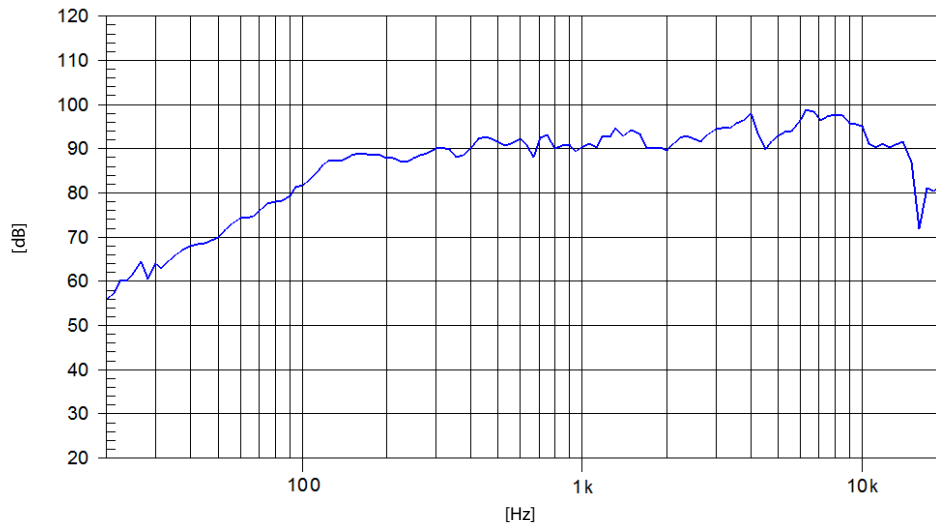
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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.

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE AND DISTORTION



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