

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

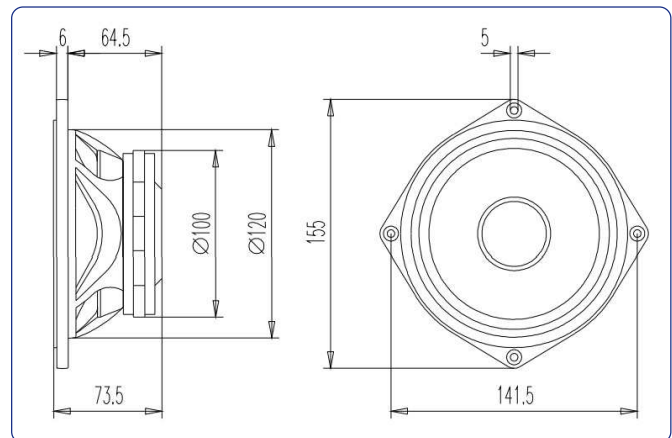
| | | |
|------------------------------------|----------------------------------|----------------------------|
| Nominal diameter | 125 mm | 5 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 6,9 Ω |
| Power capacity* | 100 W _{AES} | |
| Program power | 200 W | |
| Sensitivity | 92 dB @ 1W @ 1m @ Z _N | |
| Frequency range | 150 - 17.000 Hz | |
| Recom. enclosure vol. | 10 / 20 l | 0,35 / 0,7 ft ³ |
| 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 _{damage} (peak to peak) | | 20 mm |

THIELE-SMALL PARAMETERS**

| | |
|--|-----------------------|
| Resonant frequency, f _s | 140 Hz |
| D.C. Voice coil resistance, R _e | 6,6 Ω |
| Mechanical Quality Factor, Q _{ms} | 2,8 |
| Electrical Quality Factor, Q _{es} | 0,53 |
| Total Quality Factor, Q _{ts} | 0,45 |
| Equivalent Air Volume to C _{ms} , V _{as} | 1,45 l |
| Mechanical Compliance, C _{ms} | 143 μ m / N |
| Mechanical Resistance, R _{ms} | 2,9 kg / s |
| Efficiency, η_0 | 0,72 % |
| Effective Surface Area, S _d | 0,0085 m ² |
| Maximum Displacement, X _{max} *** | 3 mm |
| Displacement Volume, V _d | 26 cm ³ |
| Voice Coil Inductance, L _e @ 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 |

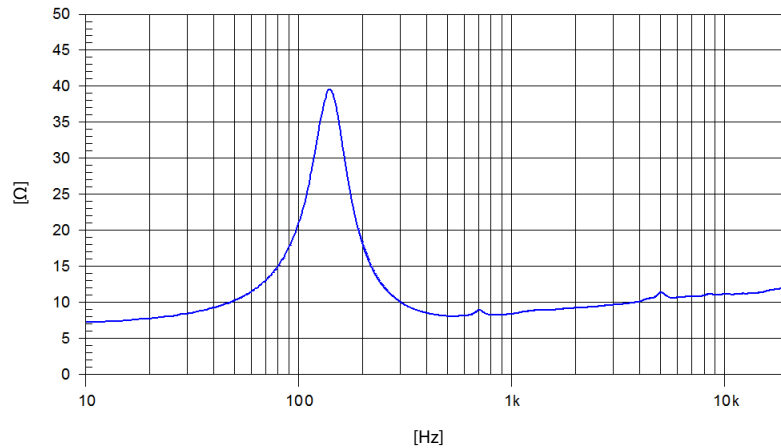
Notes:

* 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.

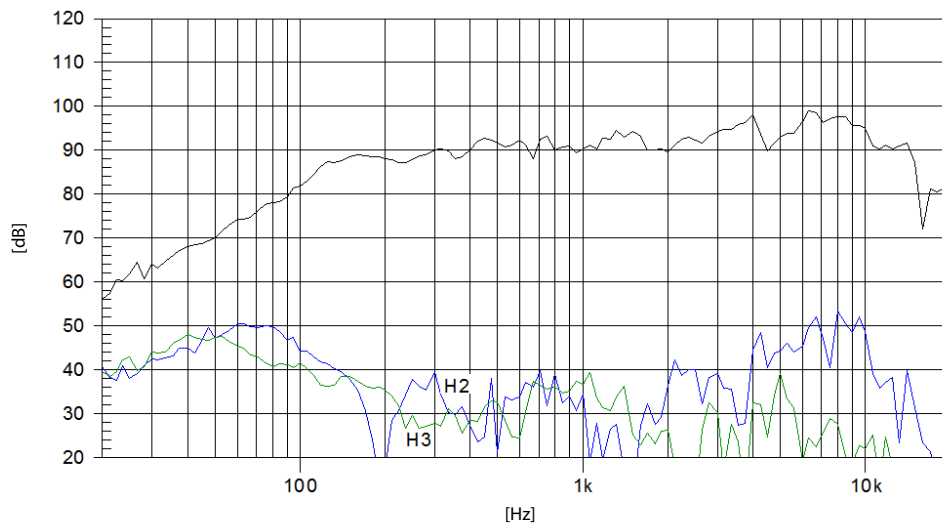
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** The X_{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.

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