

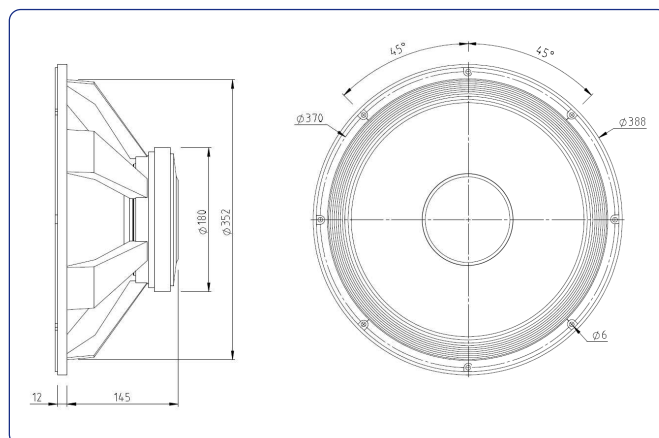
KEY FEATURES

- High sensitivity: 98 dB
- High power handling: 400 W_{AES}
- 3" copper voice coil
- Optimum winding length for increased linear excursion
- Extremely linear frequency response
- Extended response in the medium frequency range
- Low harmonic distortion
- High power woofer and midbass applications

TECHNICAL SPECIFICATIONS

| | | |
|------------------------------------|----------------------|--------------------------|
| Nominal diameter | 380 mm | 15 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 7,2 Ω |
| Power capacity* | 400 W _{AES} | |
| Program power | 800 W | |
| Sensitivity | 98 dB | 1W @ 1m @ Z _N |
| Frequency range | 35 - 3.000 Hz | |
| Voice coil diameter | 77 mm | 3 in |
| BI factor | | 17,4 N/A |
| Moving mass | | 0,086 kg |
| Voice coil length | | 17,5 mm |
| Air gap height | | 7 mm |
| X _{damage} (peak to peak) | | 30 mm |

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

| | |
|--|----------------------|
| Resonant frequency, f _s | 35 Hz |
| D.C. Voice coil resistance, R _e | 6,4Ω |
| Mechanical Quality Factor, Q _{ms} | 8,5 |
| Electrical Quality Factor, Q _{es} | 0,40 |
| Total Quality Factor, Q _{ts} | 0,38 |
| Equivalent Air Volume to C _{ms} , V _{as} | 267 l |
| Mechanical Compliance, C _{ms} | 243 μm / N |
| Mechanical Resistance, R _{ms} | 2,2 kg / s |
| Efficiency, η ₀ | 2,7 % |
| Effective Surface Area, S _d | 0,088 m ² |
| Maximum Displacement, X _{max} *** | 7,25 mm |
| Displacement Volume, V _d | 638 cm ³ |
| Voice Coil Inductance, L _e @ 1 kHz | 1,2 mH |

MOUNTING INFORMATION

| | | |
|----------------------------|--------|----------------------|
| Overall diameter | 388 mm | 15,28 in |
| Bolt circle diameter | 370 mm | 14,57 in |
| Baffle cutout diameter: | | |
| - Front mount | 352 mm | 13,86 in |
| Depth | 160 mm | 6,3 in |
| Volume displaced by driver | 6 l | 0,22 ft ³ |
| Net weight | 6,5 kg | 14,33 lb |
| Shipping weight | 7,4 kg | 16,31 lb |

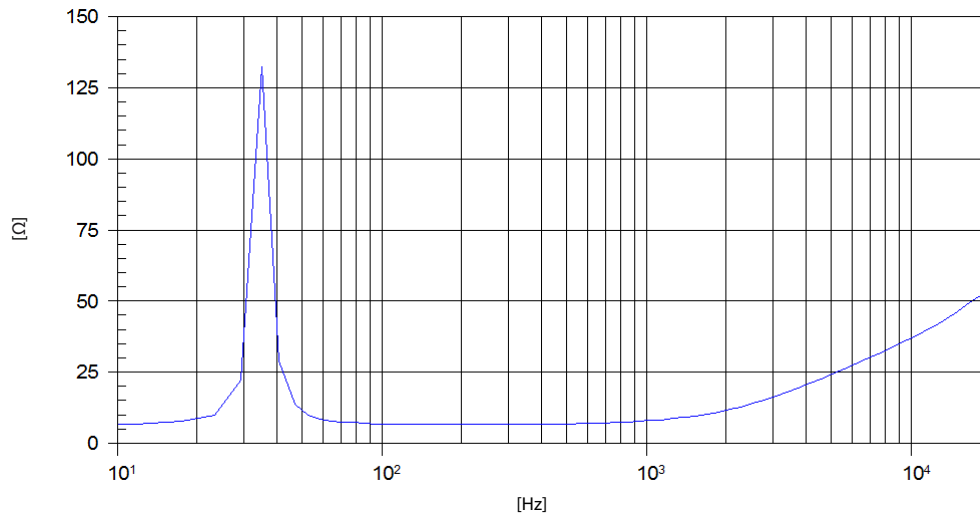
Notes:

* 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.

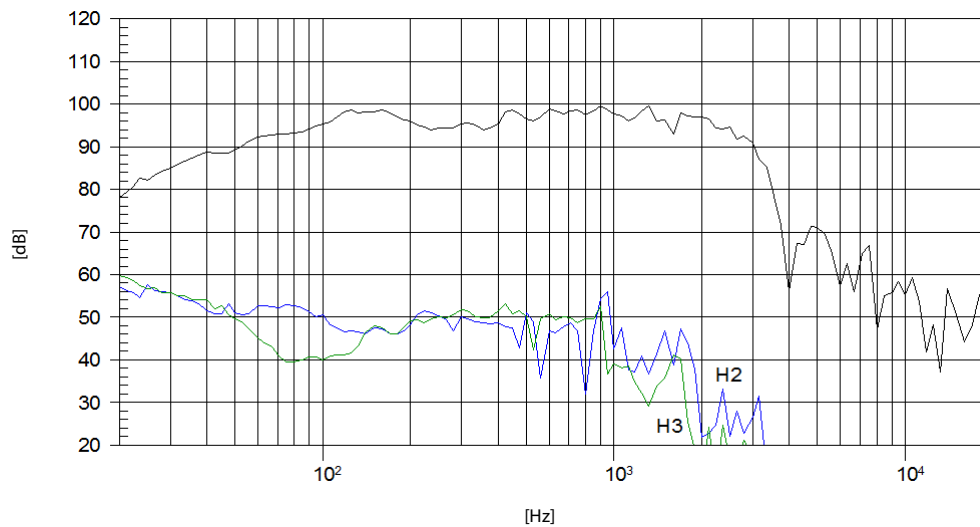
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** 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