

KEY FEATURES

- High power handling: 800 W program power
- 3" copper wire voice coil
- High sensitivity: 99 dB (1W / 1m)
- FEA optimized ceramic magnetic circuit
- Waterproof cone treatment for both sides of the cone
- Extended controlled displacement: $X_{\max} \pm 6,3$ mm
- 30 mm peak-to-peak excursion before damage
- Low harmonic distortion and linear response
- Wide range of applications of low and mid-low frequencies



TECHNICAL SPECIFICATIONS

| | | |
|------------------------------------|------------|-----------------------------|
| Nominal diameter | 380 mm | 15 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 6,4 Ω |
| Power capacity ¹ | | 400 W _{AES} |
| Program power ² | | 800 W |
| Sensitivity | 99 dB | 1W / 1m @ Z _N |
| Frequency range | | 40 - 4.000 Hz |
| Recom. enclosure vol. | 70 / 150 l | 2,45 / 5,25 ft ³ |
| Voice coil diameter | 76,2 mm | 3 in |
| Bl factor | | 19,2 N/A |
| Moving mass | | 0,091 kg |
| Voice coil length | | 16 mm |
| Air gap height | | 8 mm |
| X _{damage} (peak to peak) | | 30 mm |

THIELE-SMALL PARAMETERS³

| | |
|--|----------------------|
| Resonant frequency, f _s | 36 Hz |
| D.C. Voice coil resistance, R _e | 5,6 Ω |
| Mechanical Quality Factor, Q _{ms} | 8,2 |
| Electrical Quality Factor, Q _{es} | 0,31 |
| Total Quality Factor, Q _{ts} | 0,30 |
| Equivalent Air Volume to C _{ms} , V _{as} | 236 l |
| Mechanical Compliance, C _{ms} | 215 μ m / N |
| Mechanical Resistance, R _{ms} | 2,5 kg / s |
| Efficiency, η_0 | 3,4 % |
| Effective Surface Area, S _d | 0,088 m ² |
| Maximum Displacement, X _{max} ⁴ | 6,3 mm |
| Displacement Volume, V _d | 555 cm ³ |
| Voice Coil Inductance, L _e | 1 mH |

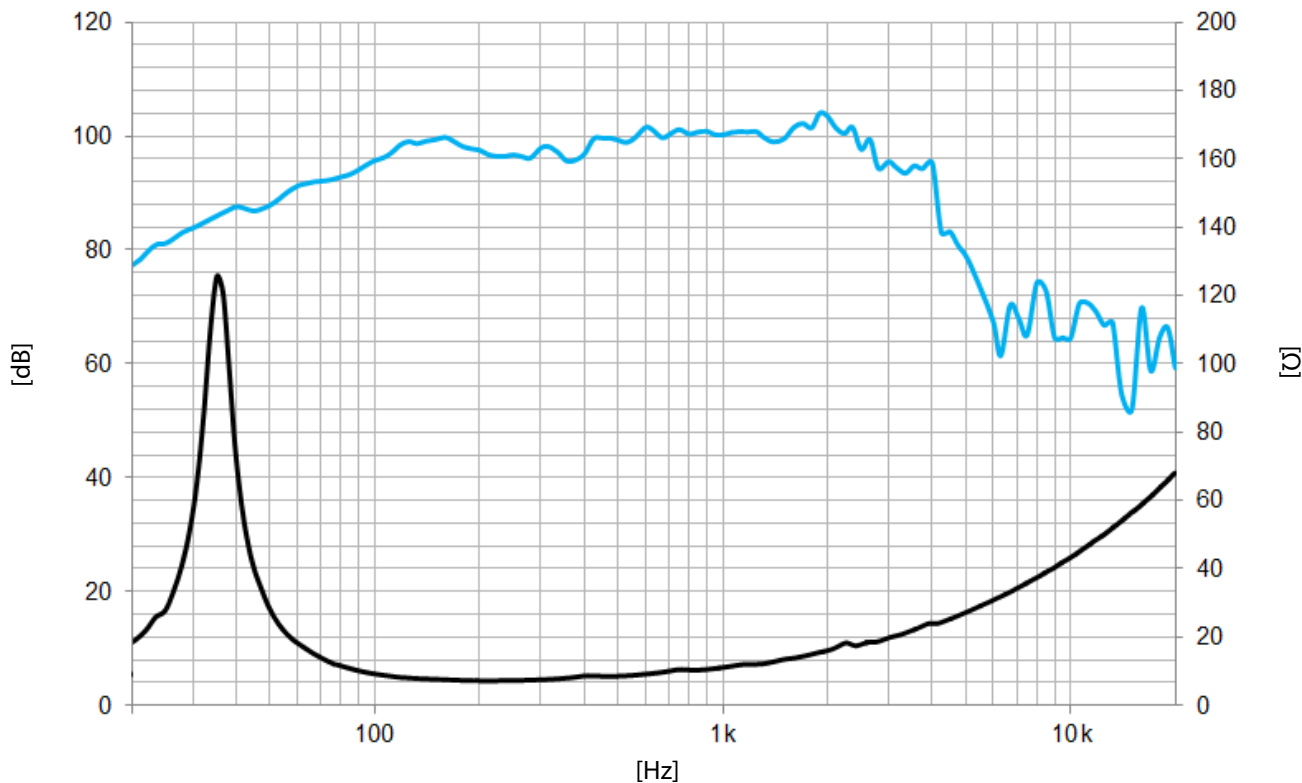
Notes:

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

³ 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).

⁴ 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 | 388 mm | 15,3 in |
| Bolt circle diameter | 370 mm | 14,6 in |
| Baffle cutout diameter: | | |
| - Front mount | 349,5 mm | 13,8 in |
| Depth | 162 mm | 6,4 in |
| Net weight | 6,1 kg | 13,4 lb |
| Shipping weight | 7,1 kg | 15,6 lb |

DIMENSION DRAWING

