

KEY FEATURES



- High power handling: 1.400 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 99 dB (1W / 1m)
- FEA optimized magnetic circuit
- Optimized non-linear behaviour

- Weatherproof cone treatment on both sides of the cone
- 3" DUO double layer in/out copper voice coil
- Aluminium demodulating ring
- Extended controlled displacement: $X_{max} \pm 7$ mm
- 45 mm peak-to-peak excursion before damage
- Optimized for low frequency and mid-bass applications



TECHNICAL SPECIFICATIONS

| | | |
|--|---|--------------------------|
| Nominal diameter | 380 mm | 15 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 7 Ω |
| Power capacity ¹ | 700 W _{AES} | |
| Program power ² | 1.400 W | |
| Sensitivity | 99 dB | 1W / 1m @ Z _N |
| Frequency range | 45 - 4.000 Hz | |
| Recom. enclosure (Bass-reflex design) | V _b = 60 l F _b = 60 Hz | |
| Voice coil diameter | 76,2 mm | 3 in |
| BI factor | | 20 N/A |
| Moving mass | 0,096 kg | |
| Voice coil length | 18 mm | |
| Air gap height | 9,5 mm | |
| X _{damage} (peak to peak) | 45 mm | |

Notes:

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

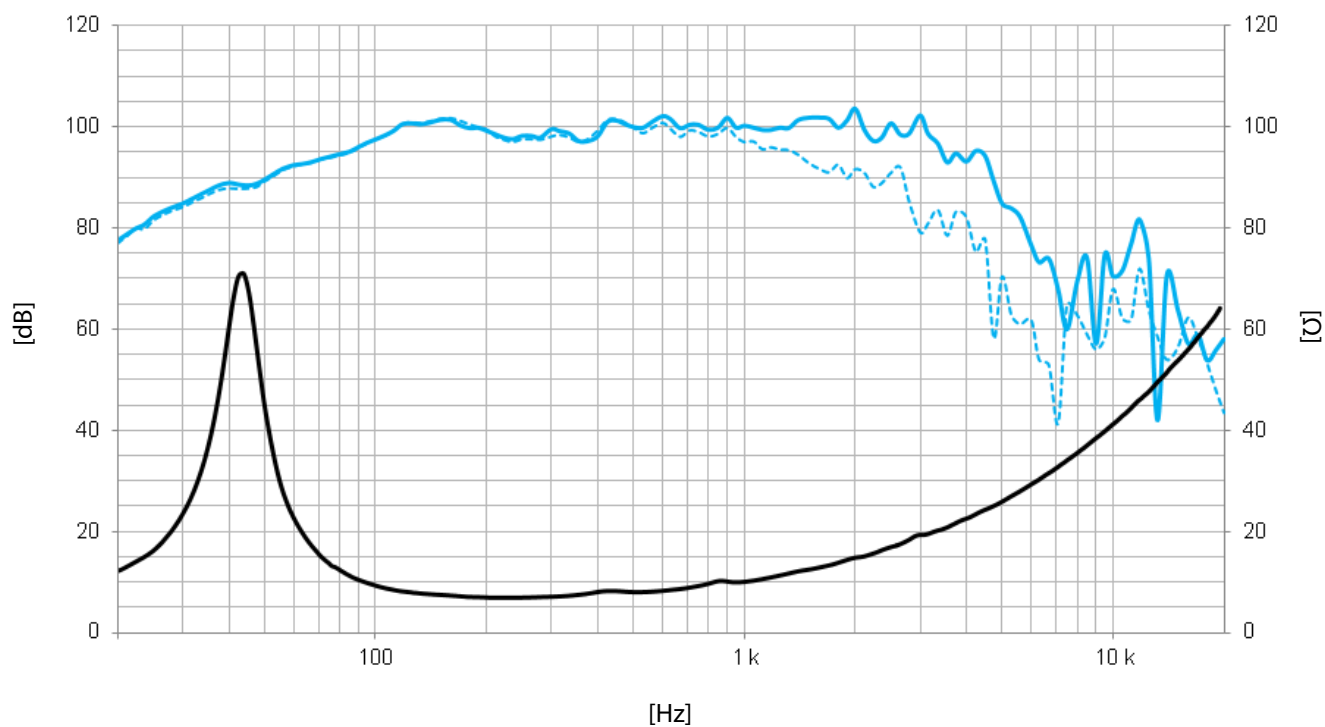
² Program power is defined as power capacity + 3 dB.

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.

THIELE-SMALL PARAMETERS³

| | |
|--|----------------------|
| Resonant frequency, f _s | 44 Hz |
| D.C. Voice coil resistance, R _e | 5,3 Ω |
| Mechanical Quality Factor, Q _{ms} | 5,4 |
| Electrical Quality Factor, Q _{es} | 0,36 |
| Total Quality Factor, Q _{ts} | 0,34 |
| Equivalent Air Volume to C _{ms} , V _{as} | 148 l |
| Mechanical Compliance, C _{ms} | 135 μ m / N |
| Mechanical Resistance, R _{ms} | 4,9 kg / s |
| Efficiency, η_0 | 3,4 % |
| Effective Surface Area, S _d | 0,088 m ² |
| Maximum Displacement, X _{max} ⁴ | 7 mm |
| Displacement Volume, V _d | 385 cm ³ |
| Voice Coil Inductance, L _e | 0,9 mH |



Note: Frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

— Frequency response on axis
- - - Frequency response 45° off axis

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 | 177 mm | 7,0 in |
| Net weight | 8,0 kg | 17,6 lb |
| Shipping weight | 9,0 kg | 19,8 lb |

DIMENSION DRAWING

