

KEY FEATURES



- High power handling: 1.400 W program power
- Exclusive Malt Cross[®] Technology Cooling System
- Low power compression losses
- High sensitivity: 100 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Optimized non-linear behaviour
- 3" DUO double layer in/out copper voice coil

- Aluminium demodulating ring
- Weatherproof cone with treatment for both sides
- Extended controlled displacement: $X_{max} \pm 7$ mm
- 48 mm peak-to-peak excursion before damage
- Weight 4,2 kg
- Optimized for bass or mid-bass high performance audio systems



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 | 100 dB | 1W / 1m @ Z _N |
| Frequency range | | 50 - 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 | | 22,6 N/A |
| Moving mass | | 0,107 kg |
| Voice coil length | | 18 mm |
| Air gap height | | 10 mm |
| X _{damage} (peak to peak) | | 48 mm |

Notes:

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

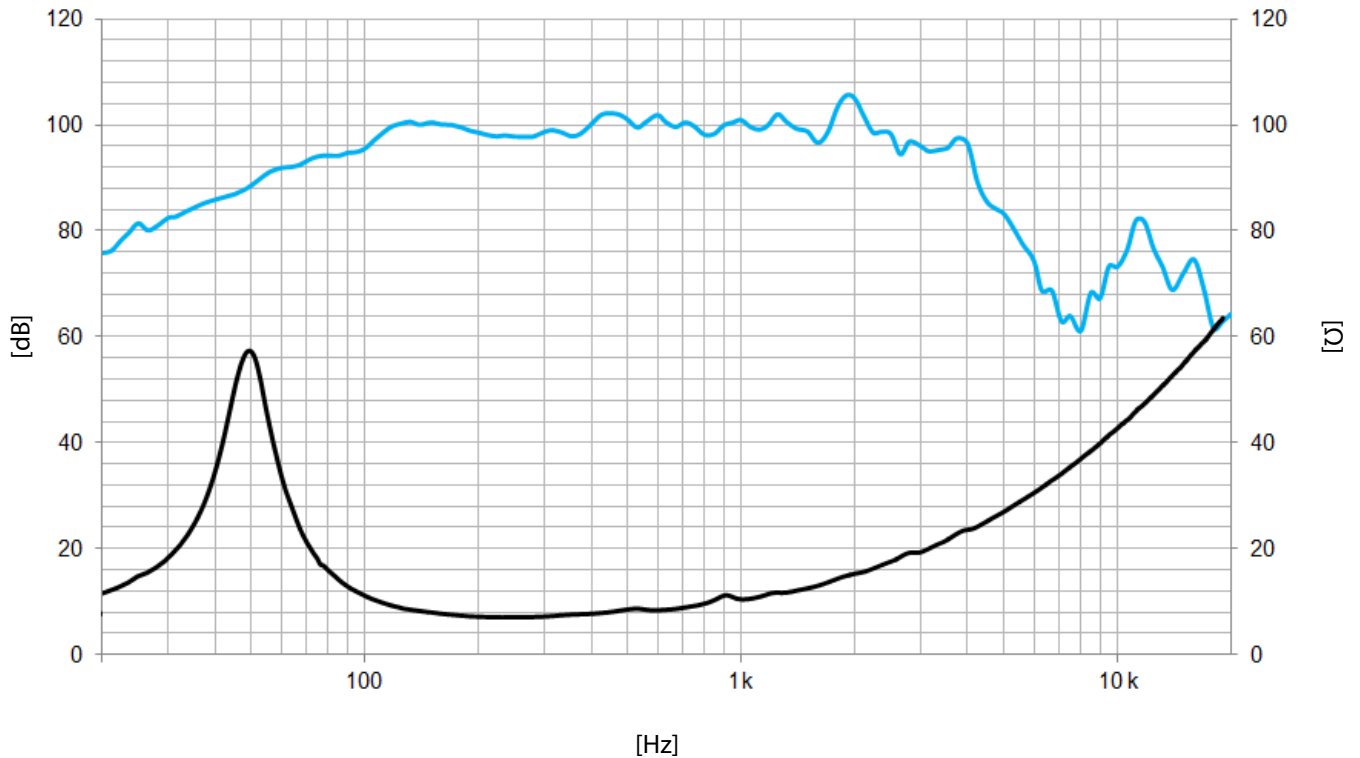
² Program power is defined as power capacity + 3 dB.

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 | 49 Hz |
| D.C. Voice coil resistance, R _e | 5,2 Ω |
| Mechanical Quality Factor, Q _{ms} | 3,6 |
| Electrical Quality Factor, Q _{es} | 0,34 |
| Total Quality Factor, Q _{ts} | 0,31 |
| Equivalent Air Volume to C _{ms} , V _{as} | 105 l |
| Mechanical Compliance, C _{ms} | 96 μ m / N |
| Mechanical Resistance, R _{ms} | 9,2 kg / s |
| Efficiency, η_0 | 3,7 % |
| Effective Surface Area, S _d | 0,088 m ² |
| Maximum Displacement, X _{max} ⁴ | 7 mm |
| Displacement Volume, V _d | 616 cm ³ |
| Voice Coil Inductance, L _e @ 1 kHz | 0,8 mH |



Note: 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 | 175 mm | 6,9 in |
| Net weight | 4,2 kg | 9,2 lb |
| Shipping weight | 5,2 kg | 11,5 lb |

DIMENSION DRAWING

