

KEY FEATURES



- High power handling: 600 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 96 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Designed with MMSS technology
- Optimized non-linear behaviour
- Waterproof cone with treatment for both sides
- 2" copper voice coil
- Aluminium demodulating ring
- Extended controlled displacement: $X_{max} \pm 6$ mm
- 35 mm peak-to-peak excursion before damage
- Optimized for 2 or 3 way PA systems and line array for ultimate professional applications



TECHNICAL SPECIFICATIONS

| | | |
|------------------------------------|---------|--------------------------|
| Nominal diameter | 200 mm | 8 in |
| Rated impedance | | 8 Ω |
| Minimum impedance | | 7,5 Ω |
| Power capacity* | | 300 W _{AES} |
| Program power | | 600 W |
| Sensitivity | 96 dB | 1W / 1m @ Z _N |
| Frequency range | | 80 - 4.000 Hz |
| Voice coil diameter | 50,8 mm | 2 in |
| Bl factor | | 16 N/A |
| Moving mass | | 0,025 kg |
| Voice coil length | | 15 mm |
| Air gap height | | 7 mm |
| X _{damage} (peak to peak) | | 35 mm |

THIELE-SMALL PARAMETERS**

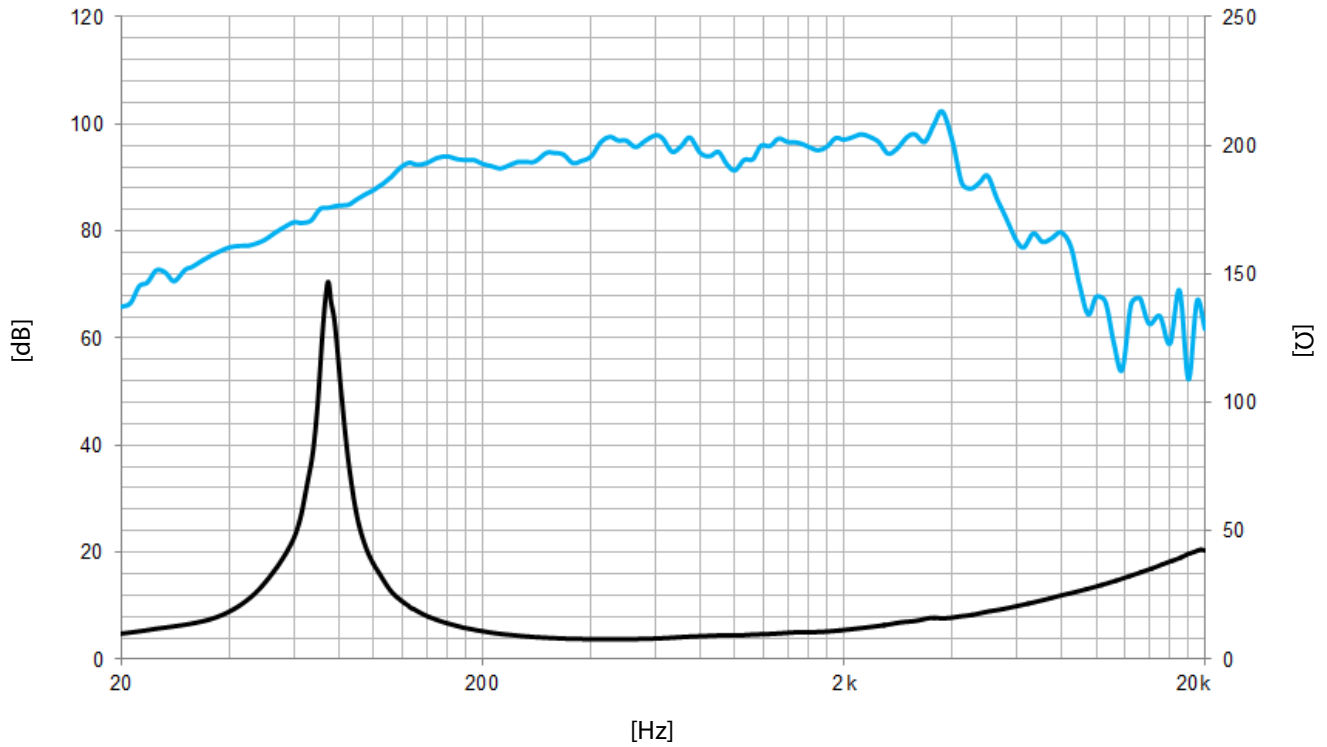
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|--|----------------------|
| Resonant frequency, f_s | 76 Hz |
| D.C. Voice coil resistance, R_e | 6,2 Ω |
| Mechanical Quality Factor, Q_{ms} | 6,2 |
| Electrical Quality Factor, Q_{es} | 0,29 |
| Total Quality Factor, Q_{ts} | 0,28 |
| Equivalent Air Volume to C_{ms} , V_{as} | 11,6 l |
| Mechanical Compliance, C_{ms} | 171 μ m / N |
| Mechanical Resistance, R_{ms} | 2 kg / s |
| Efficiency, η_0 | 1,7 % |
| Effective Surface Area, S_d | 0,022 m ² |
| Maximum Displacement, X_{max} *** | 6 mm |
| Displacement Volume, V_d | 132 cm ³ |
| Voice Coil Inductance, L_e @ 1 kHz | 0,5 mH |

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.



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

MOUNTING INFORMATION

| | | |
|-------------------------|--------|---------|
| Overall diameter | 212 mm | 8,34 in |
| Bolt circle diameter | 195 mm | 7,68 in |
| Baffle cutout diameter: | | |
| - Front mount | 182 mm | 7,16 in |
| Depth | 96 mm | 3,78 in |
| Net weight | 1,9 kg | 4,2 lb |
| Shipping weight | 2,2 kg | 4,9 lb |

DIMENSION DRAWING

