

KEY FEATURES



- High power handling: 1.000 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 98 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Optimized non-linear behaviour
- 2,5" DUO double layer in/out copper voice coil

- Aluminium demodulating ring
- Waterproof cone with treatment for both sides
- Extended controlled displacement: $X_{max} \pm 5$ mm
- 42 mm peak-to-peak excursion before damage
- Weight 2,8 kg
- Optimized for bass or mid-bass high performance audio systems



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		7,2 Ω
Power capacity ¹		500 W _{AES}
Program power ²		1.000 W
Sensitivity	98 dB	1W / 1m @ Z _N
Frequency range		80 - 6.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 12 l F _b = 90 Hz
Voice coil diameter	63,5 mm	2,5 in
Bl factor		17,5 N/A
Moving mass		0,024 kg
Voice coil length		14 mm
Air gap height		8 mm
X _{damage} (peak to peak)		42 mm

Notes:

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

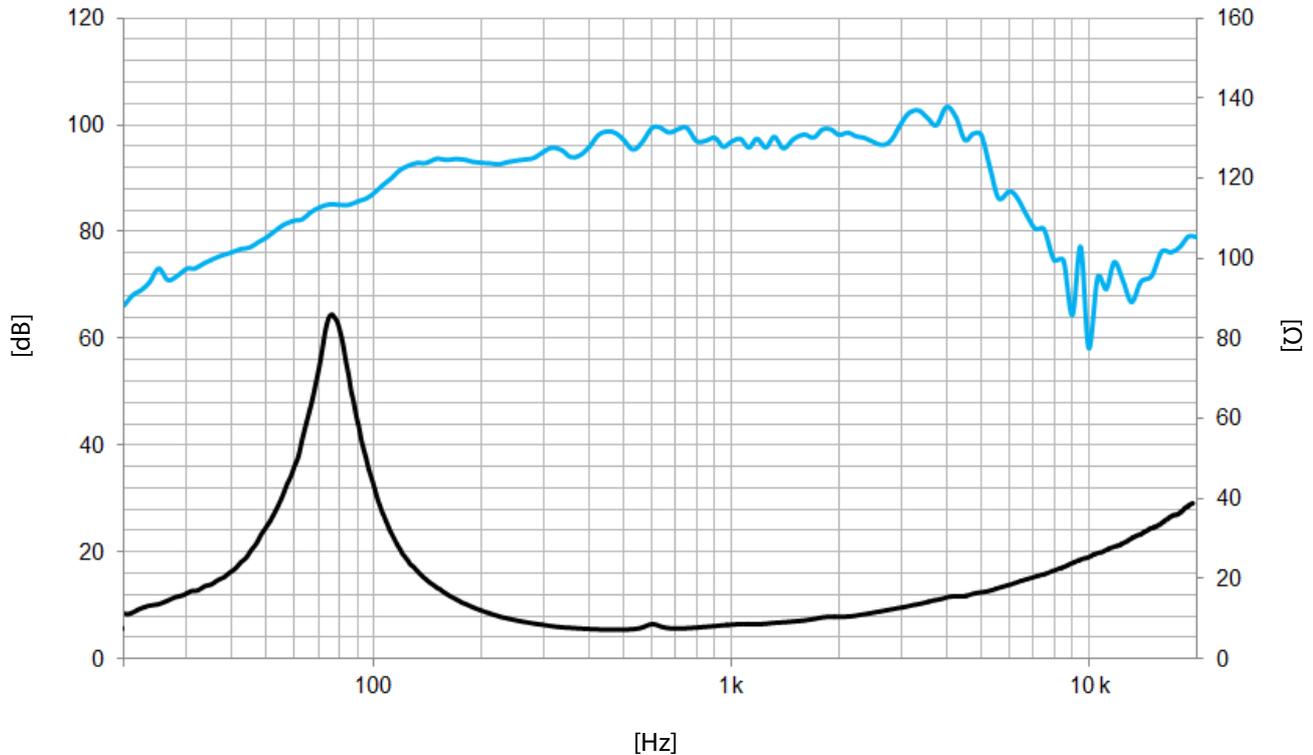
² Program power is defined as power capacity + 3 dB.

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	75 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	3
Electrical Quality Factor, Q _{es}	0,20
Total Quality Factor, Q _{ts}	0,19
Equivalent Air Volume to C _{ms} , V _{as}	12,2 l
Mechanical Compliance, C _{ms}	179 μ m / N
Mechanical Resistance, R _{ms}	3,9 kg / s
Efficiency, η_0	2,5 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ⁴	5 mm
Displacement Volume, V _d	110 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,5 mH



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

MOUNTING INFORMATION

Overall diameter	212 mm	8,3 in
Bolt circle diameter	195 mm	7,7 in
Baffle cutout diameter:		
- Front mount	182 mm	7,2 in
Depth	100 mm	3,9 in
Net weight	2,8 kg	6,2 lb
Shipping weight	3,1 kg	6,8 lb

DIMENSION DRAWING

