

KEY FEATURES



- High power handling: 1.400 W program power
- Exclusive Malt Cross[®] Technology Cooling System
- Low power compression losses
- High sensitivity: 96 dB (1W / 1m)
- FEA optimized magnetic circuit
- Optimized non-linear behaviour

- Waterproof 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	250 mm	10 in
Rated impedance		8 Ω
Minimum impedance		7,1 Ω
Power capacity ¹		700 W _{AES}
Program power ²		1.400 W
Sensitivity	96 dB	1W / 1m @ Z _N
Frequency range		80 - 4.000 Hz
Recom. enclosure (Bass-reflex design)		V _b = 14 l F _b = 76 Hz
Voice coil diameter	76,2 mm	3 in
Bl factor		20,1 N/A
Moving mass		0,055 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.

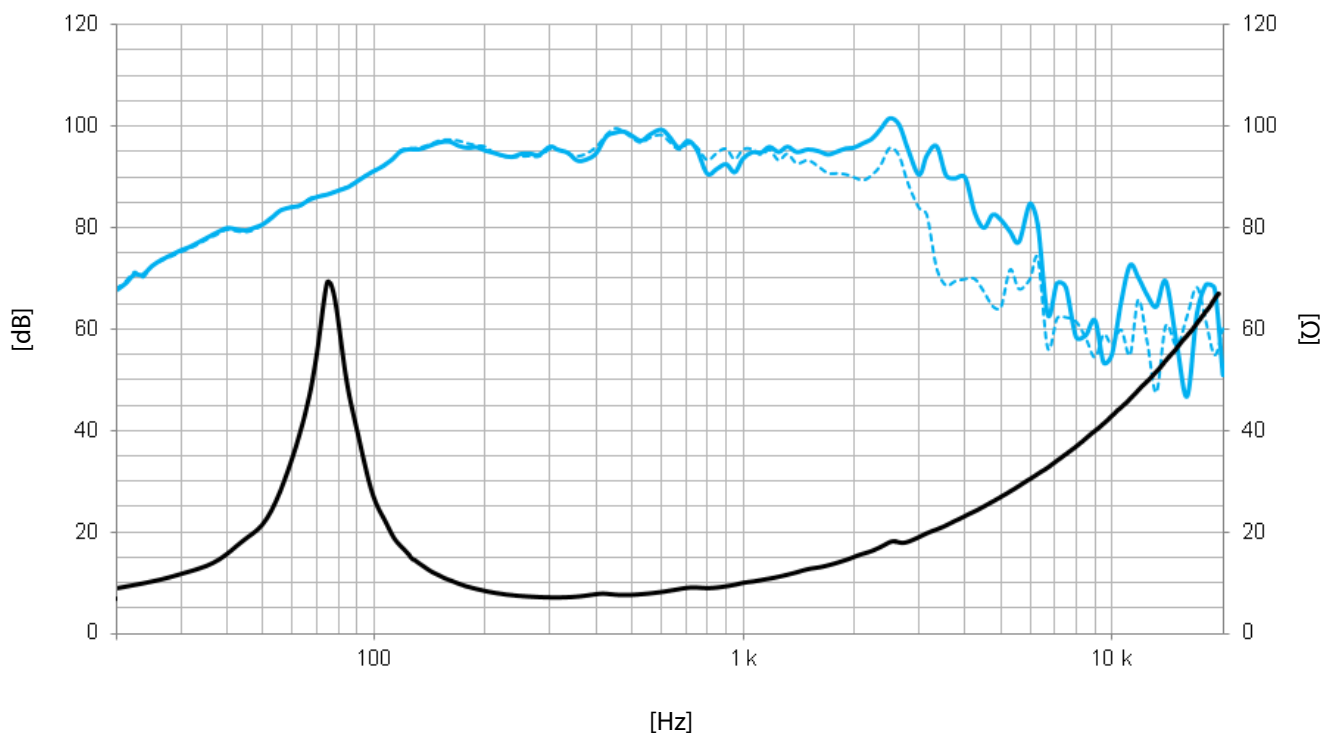
² Program power is defined as power capacity + 3 dB.

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	75 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	4,9
Electrical Quality Factor, Q _{es}	0,35
Total Quality Factor, Q _{ts}	0,33
Equivalent Air Volume to C _{ms} , V _{as}	13,2 l
Mechanical Compliance, C _{ms}	76 μ m / N
Mechanical Resistance, R _{ms}	5,5 kg / s
Efficiency, η_0	1,7 %
Effective Surface Area, S _d	0,035 m ²
Maximum Displacement, X _{max} ⁴	7 mm
Displacement Volume, V _d	245 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	261 mm	10,3 in
Bolt circle diameter	243,5 mm	9,6 in
Baffle cutout diameter:		
- Front mount	228 mm	9,0 in
Depth	129 mm	5,1 in
Net weight	7,6 kg	16,7 lb
Shipping weight	8,1 kg	17,8 lb

DIMENSION DRAWING

