

KEY FEATURES



- High power handling: 1.400 W program power
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 98 dB (1W / 1m)
- FEA optimized magnetic circuit
- Optimized non-linear behavior

- Waterproof cone treatment on both sides of the cone
- 3" DUO double layer in/out copper voice coil
- Aluminum demodulating ring
- Extended controlled displacement: $X_{max} \pm 9,8$ mm
- 40 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		7,4 Ω
Power capacity ¹		700 W _{AES}
Program power ²		1.400 W
Sensitivity	98 dB	1W / 1m @ Z _N
Frequency range		45 - 4.000 Hz
Voice coil diameter	76,2 mm	3 in
Bl factor		19,8 N/A
Moving mass		0,094 kg
Voice coil length		23 mm
Air gap height		8 mm
X _{damage} (peak to peak)		40 mm

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	44 Hz
D.C. Voice coil resistance, R _e	6 Ω
Mechanical Quality Factor, Q _{ms}	5,3
Electrical Quality Factor, Q _{es}	0,40
Total Quality Factor, Q _{ts}	0,37
Equivalent Air Volume to C _{ms} , V _{as}	148 l
Mechanical Compliance, C _{ms}	136 μ m / N
Mechanical Resistance, R _{ms}	4,9 kg / s
Efficiency, η_0	3,1 %
Effective Surface Area, S _d	0,088 m ²
Maximum Displacement, X _{max} ⁴	9,8 mm
Displacement Volume, V _d	880 cm ³
Voice Coil Inductance, L _e	1 mH

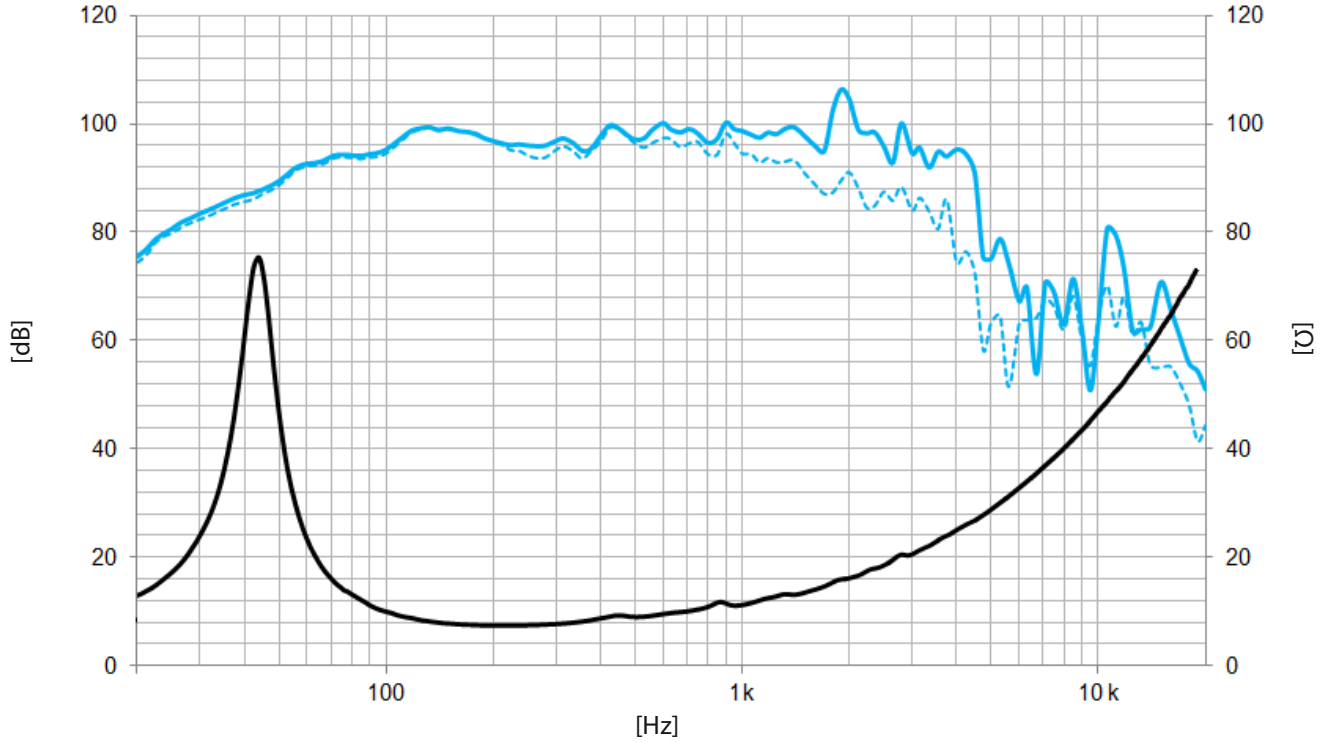
Notes:

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.



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	15,27 in
Bolt circle diameter	370 mm	14,56 in
Baffle cutout diameter:		
- Front mount	349,5 mm	13,76 in
Depth	175 mm	6,89 in
Net weight	7,5 kg	16,5 lb
Shipping weight	8,5kg	18,7 lb

DIMENSION DRAWING

