

KEY FEATURES



- High power handling and low distortion 8" woofer
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High force factor design for top performance applications
- FEA optimized ceramic magnetic circuit and suspensions
- Ultra low air noise
- Carbon fiber cone and dustcap

- Enhanced linear behaviour
- Double BIMAX spider and NBR surround
- 2" QUATTRO in/out aluminium voice coil
- Optimized triple aluminum and copper demodulating circuit
- Extended controlled displacement: $X_{\max} \pm 9$ mm
- 43 mm peak-to-peak excursion before damage



TECHNICAL SPECIFICATIONS

Nominal diameter	200 mm	8 in
Rated impedance		8 Ω
Minimum impedance		7,4 Ω
Power capacity ¹	200 W _{AES}	
Program power ²	400 W	
Long term max. power ³	600 W	
Sensitivity	90 dB	1W / 1m @ Z _N
Frequency range	30 - 2.500 Hz	

Voice coil diameter	50,8 mm	2 in
BI factor		13,4 N/A
Moving mass	0,048 kg	
Voice coil length	20 mm	
Air gap height	6 mm	
X_{damage} (peak to peak)	43 mm	

Notes:

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

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

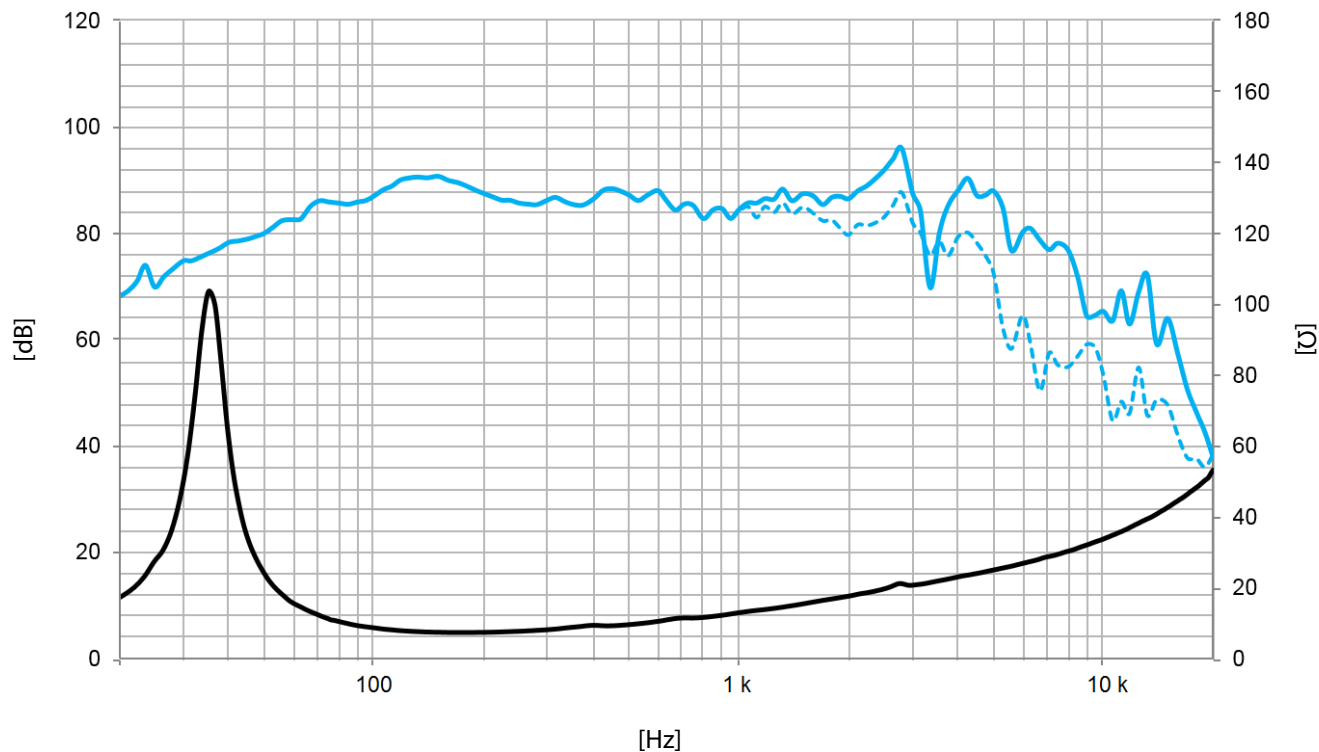
³ Long term maximum power according to IEC268-5 18.2.

⁴ 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).

⁵ 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 PARAMETERS⁴

Resonant frequency, f_s	37 Hz
D.C. Voice coil resistance, R_e	5,7 Ω
Mechanical Quality Factor, Q_{ms}	7,6
Electrical Quality Factor, Q_{es}	0,36
Total Quality Factor, Q_{ts}	0,34
Equivalent Air Volume to C_{ms} , V_{as}	27 l
Mechanical Compliance, C_{ms}	376 $\mu\text{m} / \text{N}$
Mechanical Resistance, R_{ms}	1,5 kg / s
Efficiency, η_0	0,4 %
Effective Surface Area, S_d	0,0227 m ²
Maximum Displacement, X_{\max} ⁵	9 mm
Displacement Volume, V_d	204 cm ³
Voice Coil Inductance, L_e	1,1 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	227 mm	8,94 in
Bolt circle diameter	210 mm	8,27 in
Baffle cutout diameter:		
- Front mount	181 mm	7,12 in
Depth	137 mm	5,4 in
Net weight	3,7 kg	8,15 lb
Shipping weight	4,4 kg	9,7 lb

DIMENSION DRAWING

