

KEY FEATURES



- High power handling and low distortion 14" woofer/ mid-bass
- Exclusive Malt Cross® Technology Cooling System
- Low power compression losses
- High sensitivity: 99 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Ultra low air noise
- Optimized linear behaviour

- Weatherproof cone with treatment for both sides
- Conex spider
- 4" DUO double layer in/out copper voice coil
- Aluminium demodulating ring
- Extended controlled displacement: $X_{max} \pm 11$ mm
- 60 mm peak-to-peak excursion before damage
- Optimized for high performance bass or mid-bass applications



TECHNICAL SPECIFICATIONS

Nominal diameter	350 mm	14 in
Rated impedance		8 Ω
Minimum impedance		7,1 Ω
Power capacity ¹		1.000 W _{AES}
Program power ²		2.000 W
Sensitivity	99 dB	1W / 1m @ Z _N
Frequency range		50 - 4.500 Hz

Voice coil diameter	101,6 mm	4 in
BI factor		26,5 N/A
Moving mass		107 g
Voice coil length		28 mm
Air gap height		14 mm
X _{damage} (peak to peak)		60 mm

Notes:

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

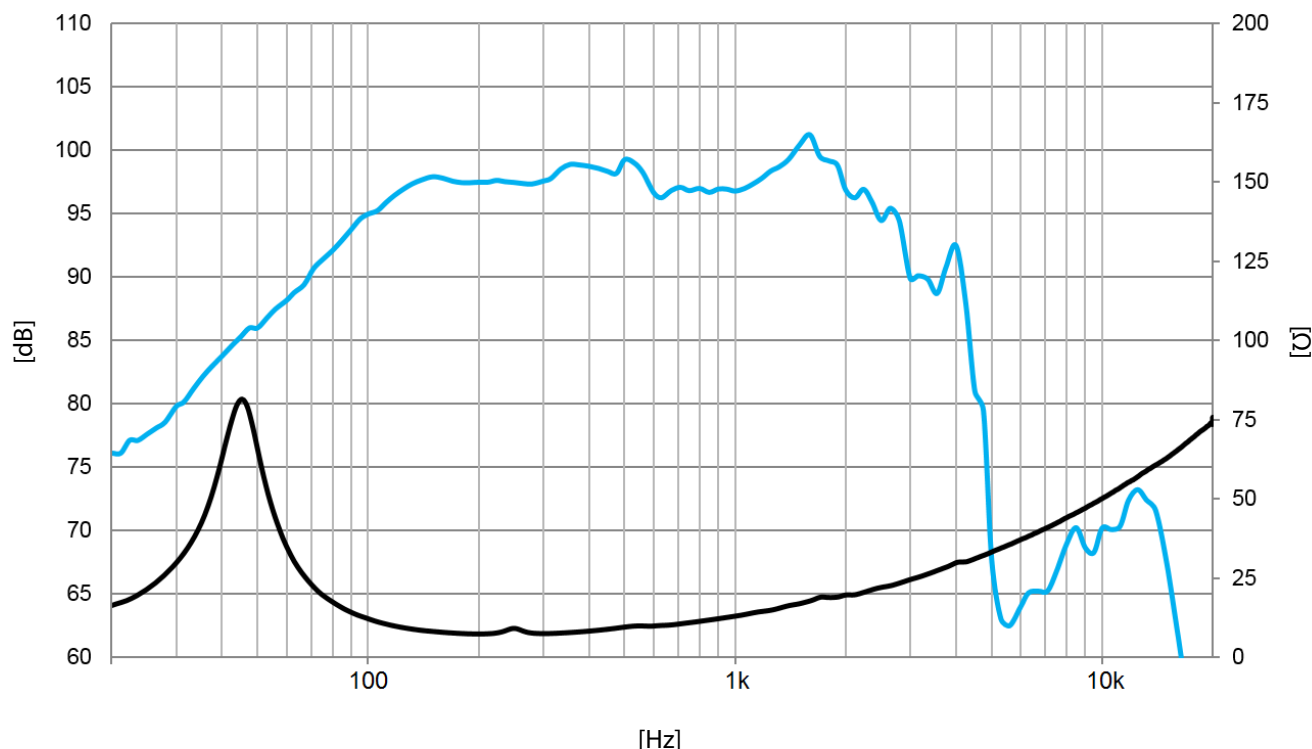
² Program power is defined as power capacity + 3 dB.

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	47 Hz
D.C. Voice coil resistance, R _e	5,1 Ω
Mechanical Quality Factor, Q _{ms}	4
Electrical Quality Factor, Q _{es}	0,23
Total Quality Factor, Q _{ts}	0,22
Equivalent Air Volume to C _{ms} , V _{as}	75 l
Mechanical Compliance, C _{ms}	0,106 mm/N
Mechanical Resistance, R _{ms}	8 kg/s
Efficiency, η_0	3,3 %
Effective Surface Area, S _d	707 cm ²
Maximum Displacement, X _{max} ⁴	11 mm
Displacement Volume, V _d	0,78 l
Voice Coil Inductance, L _e	1,22 mH



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

MOUNTING INFORMATION

Overall diameter	359 mm	14,1 in
Bolt circle diameter	340 mm	13,4 in
Baffle cutout diameter:		
- Front mount	323 mm	12,7 in
Depth	191 mm	7,52 in
Net weight	9,2 kg	20,3 lb
Shipping weight	9,5 kg	20,9 lb

DIMENSION DRAWING

