

KEY FEATURES

- High power handling: 2.000 W program power
- 4" copper voice coil
- High sensitivity: 98 dB (1W / 1m)
- FEA optimized magnetic circuit
- Low power compression losses
- Waterproof cone treatment for both sides of the cone
- CONEX spider
- 52 mm peak-to-peak excursion before damage
- High excursion capabilities: $X_{max} \pm 8$ mm
- Low frequency extension and high control



TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		6,8 Ω
Power capacity ¹		1.000 W _{AES}
Program power ²		2.000 W
Sensitivity	98 dB	1W / 1m @ Z _N
Frequency range		45 - 2.000 Hz
Recom. enclosure vol.	30 / 120 l	1,06 / 4,24 ft ³
Voice coil diameter	101,6 mm	4 in
Bl factor		27,4 N/A
Moving mass		0,157 kg
Voice coil length		20 mm
Air gap height		12 mm
X _{damage} (peak to peak)		52 mm

Notes:

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

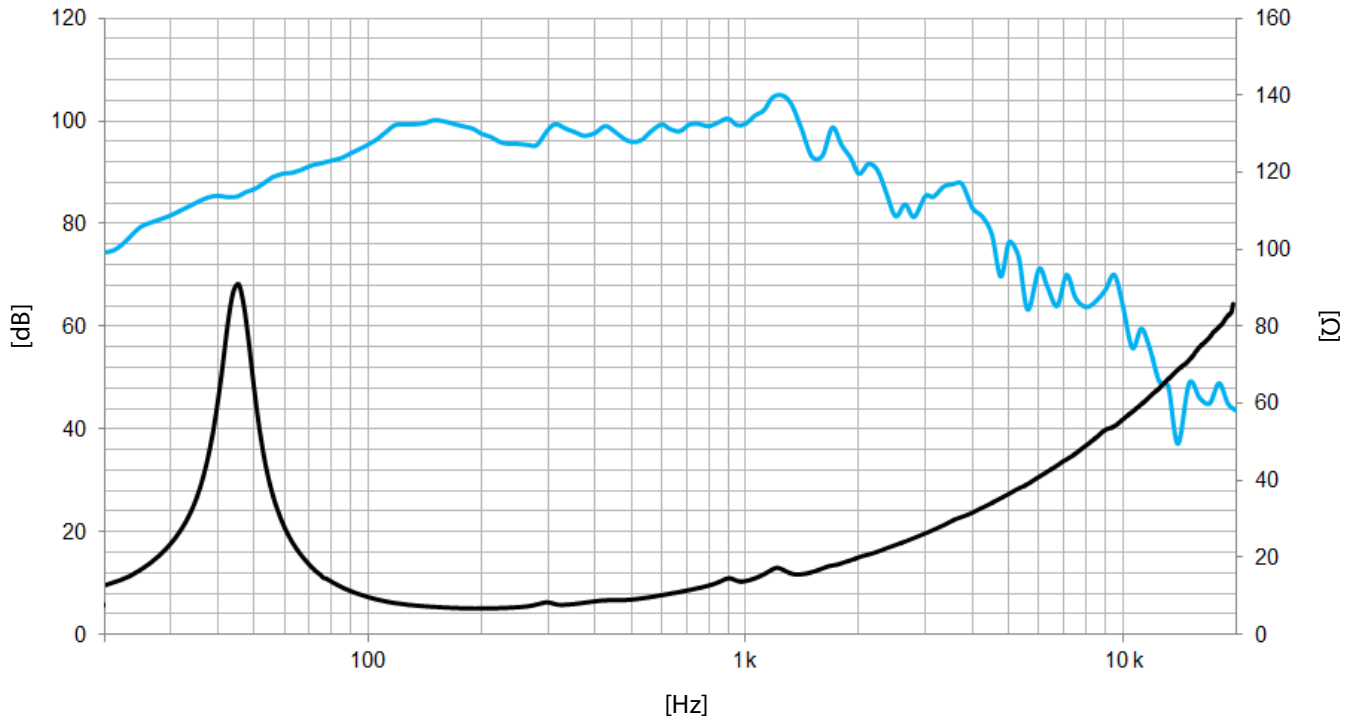
² Program power is defined as power capacity + 3 dB.

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	45 Hz
D.C. Voice coil resistance, R _e	5,2 Ω
Mechanical Quality Factor, Q _{ms}	5,9
Electrical Quality Factor, Q _{es}	0,31
Total Quality Factor, Q _{ts}	0,30
Equivalent Air Volume to C _{ms} , V _{as}	80,7 l
Mechanical Compliance, C _{ms}	78 μ m / N
Mechanical Resistance, R _{ms}	7,6 kg / s
Efficiency, η_0	2,4 %
Effective Surface Area, S _d	0,0855 m ²
Maximum Displacement, X _{max} ⁴	8 mm
Displacement Volume, V _d	684 cm ³
Voice Coil Inductance, L _e	1,5 mH



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

MOUNTING INFORMATION

Overall diameter	388 mm	15,3 in
Bolt circle diameter	370 mm	14,6 in
Baffle cutout diameter:		
- Front mount	352 mm	13,9 in
Depth	170 mm	6,7 in
Net weight	13,1 kg	28,9 lb
Shipping weight	14,1 kg	31,1 lb

DIMENSION DRAWING

