

KEY FEATURES

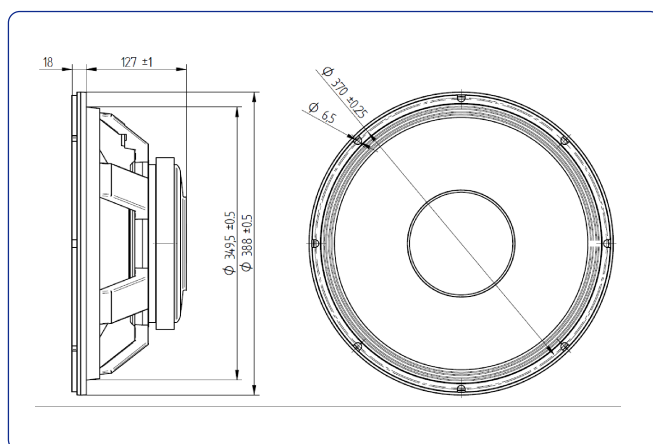
- High power handling: 700 w AES
- High sensitivity: 98 dB
- FEA optimized magnetic circuit
- Designed with MMSS technology for high control, linearity and low harmonic distortion
- CONEX spider for higher resistance and consistency
- Waterproof treatment for both sides of the cone
- 4" DUO double layer inner/outer voice coil
- Extended controlled displacement: $X_{max} \pm 9$ mm
- Massive mechanical displacement capability: $X_{damage} \pm 58$ mm



TECHNICAL SPECIFICATIONS

Nominal diameter	380mm. 15 in.
Rated impedance	8 ohms
Minimum impedance	7.2 ohms
Power capacity*	700 w AES
Program power	1400 w
Sensitivity	98 dB 2.83v @ 1m @ 2π
Frequency range	30 - 1500 Hz
Recom. enclosure vol.	60 / 150 l 2.24 / 6 ft. ³
Voice coil diameter	100 mm. 4 in.
Magnetic assembly weight	9 kg. 19.84 lb.
BL factor	21,1 N / A
Moving mass	0.147 kg.
Voice coil length	20 mm
Air gap height	10 mm
X damage (peak to peak)	58 mm

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

Resonant frequency, fs	42 Hz
D.C. Voice coil resistance, Re	5.1 ohms
Mechanical Quality Factor, Qms	21.23
Electrical Quality Factor, Qes	0.45
Total Quality Factor, Qts	0.44
Equivalent Air Volume to Cms, Vas	105.53l
Mechanical Compliance, Cms	92.4 μm / N
Mechanical Resistance, Rms	1.9 kg / s
Efficiency, ηo (%)	1.67
Effective Surface Area, Sd (m ²)	0.091 m ²
Maximum Displacement, Xmax***	9 mm
Displacement Volume, Vd	812 cm ³
Voice Coil Inductance, Le @ Zmin	2.1 mH

MOUNTING INFORMATION

Overall diameter	388 mm.	15.28 in.
Bolt circle diameter	370 mm.	14.56 in.
Baffle cutout diameter:		
- Front mount	352 mm.	13.86 in.
- Rear mount	355 mm.	13.98 in.
Depth	145 mm.	5.70 in.
Volume displaced by driver	7 l.	0.14 ft. ³
Net weight	10.2kg.	21.39 lb.
Shipping weight	11.3 kg.	22.92 lb.

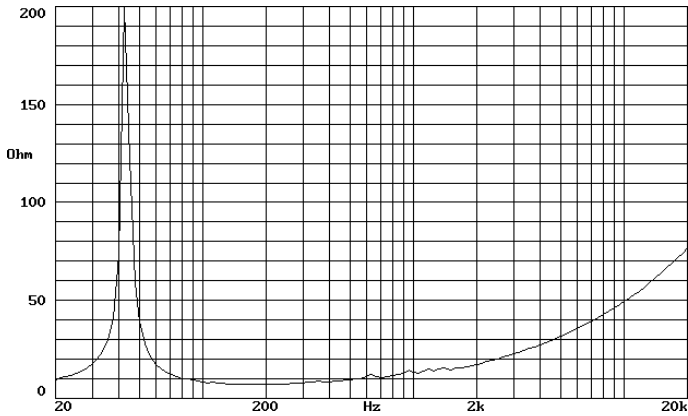
Notes:

*The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

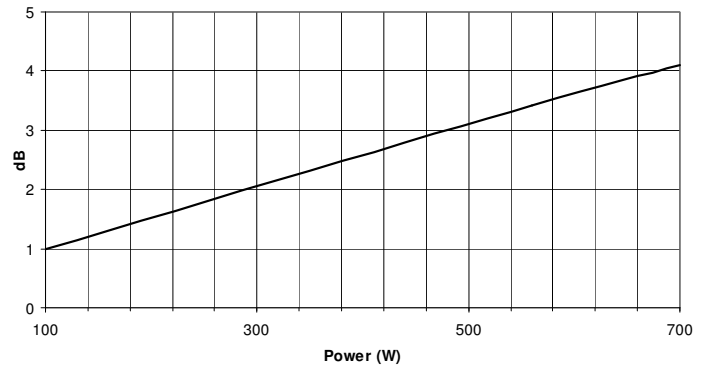
**T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

***The Xmax is calculated as $(Lvc - Hag)/2 + Hag/3.5$, where Lvc is the voice coil length and Hag is the air gap height.

FREE AIR IMPEDANCE CURVE

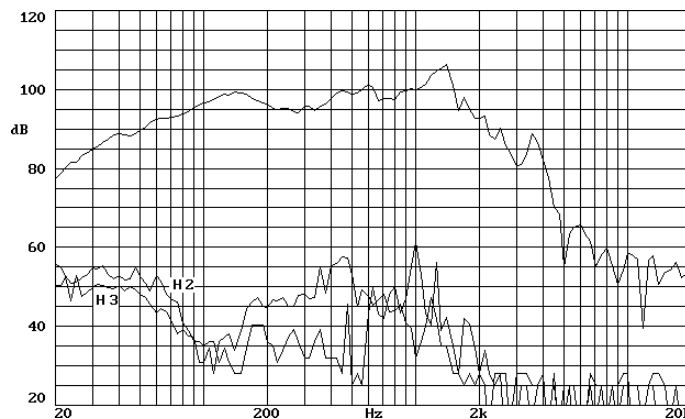


POWER COMPRESSION LOSSES



Note: Power Compression Losses were calculated after 5 minutes period applying a pink noise signal filtered between 50 and 500 Hz.

FREQUENCY RESPONSE AND DISTORTION



Note: on axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 2.83V @ 1m.