

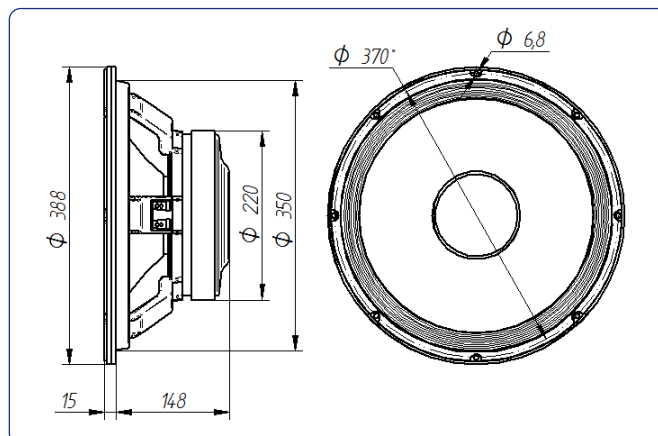
KEY FEATURES

- 1.600 W program power
- High sensitivity: 101 dB (1W / 1m)
- FEA optimized magnetic circuit
- Forced air convection circuit for low power compression
- CONEX spider for higher resistance and consistency
- Waterproof treatment for both sides of the cone
- 4" duo technology voice coil
- Designed with MMS technology for high control, linearity and low harmonic distortion
- Extended controlled displacement: $X_{max} \pm 7,5$ mm
- Massive mechanical displacement capability: $X_{damage} \pm 52$ mm
- Excellent response in high efficiency and horn loading systems

TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		6,3 Ω
Power capacity*	800 W _{AES}	
Program power	1600 W	
Sensitivity	101 dB	1W @ 1m @ Z _N
Frequency range	30 - 4.000 Hz	
Recom. enclosure vol.	40 / 150 l	1,41 / 5,3 ft ³
Voice coil diameter	101,6 mm	4 in
Bl factor		22,1 N/A
Moving mass		0,088 kg
Voice coil length		20 mm
Air gap height		12 mm
X _{damage} (peak to peak)		52 mm

DIMENSION DRAWINGS



THIELE-SMALL PARAMETERS**

Resonant frequency, f_s	32 Hz
D.C. Voice coil resistance, R_e	5,3 Ω
Mechanical Quality Factor, Q_{ms}	5,5
Electrical Quality Factor, Q_{es}	0,19
Total Quality Factor, Q_{ts}	0,18
Equivalent Air Volume to C_{ms} , V_{as}	305 l
Mechanical Compliance, C_{ms}	279 μ m / N
Mechanical Resistance, R_{ms}	3,2 kg / s
Efficiency, η_0	5 %
Effective Surface Area, S_d	0,088 m ²
Maximum Displacement, X_{max} ***	7,5 mm
Displacement Volume, V_d	660 cm ³
Voice Coil Inductance, L_e @ 1 kHz	1,2 mH

MOUNTING INFORMATION

Overall diameter	388 mm	15,28 in
Bolt circle diameter	370 mm	14,57 in
Baffle cutout diameter:		
- Front mount	349,5 mm	13,76 in
Depth	163 mm	6,42 in
Net weight	12,5 kg	27,56 lb
Shipping weight	13,5 kg	29,76 lb

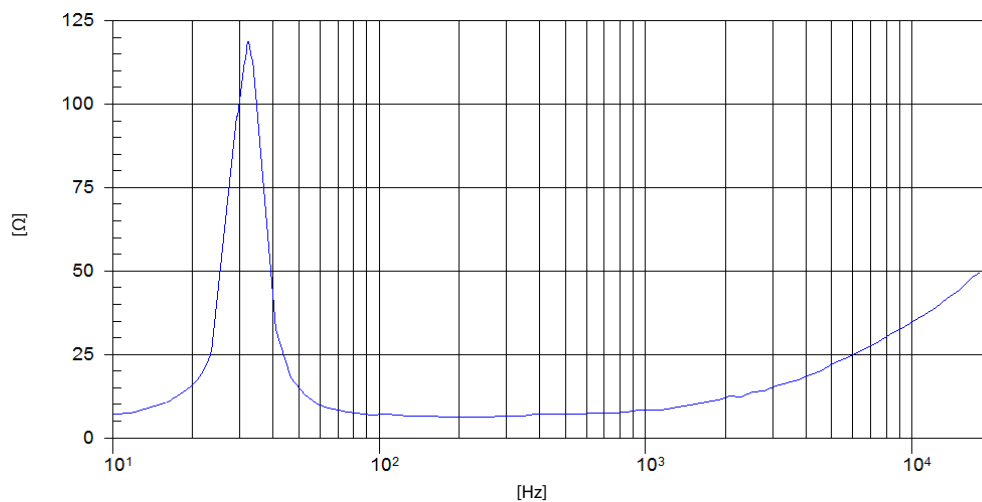
Notes:

* 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.

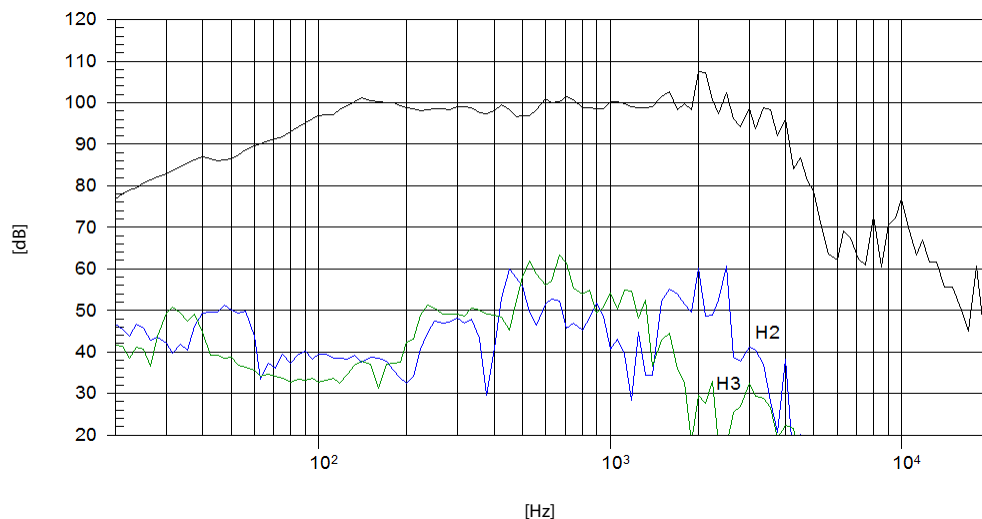
** T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

*** The 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.

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE AND DISTORTION



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