

KEY FEATURES

- High power handling: 2400 W program power
- 4" voice coil
- High sensitivity: 98 dB
- FEA optimized magnetic circuit
- Designed with MMSS technology for high control, linearity and low harmonic distortion
- Low power compression losses
- Waterproof cone with treatment for both sides of the cone
- CONEX spider
- High excursion capabilities
- Clean sound (reduced noises) and high control

TECHNICAL SPECIFICATIONS

Nominal diameter	460 mm	18 in
Rated impedance		8 Ω
Minimum impedance		5,2 Ω
Power capacity*	1200 W _{AES}	
Program power		2400 W
Sensitivity	98 dB @ 1W @ 1m @ Z _N	
Frequency range		25 - 2.000 Hz
Voice coil diameter	101,6 mm	4 in
BI factor		27,6 N/A
Moving mass		0,230 kg
Voice coil length		21 mm
Air gap height		12 mm
X _{damage} (peak to peak)		52 mm

THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	33 Hz
D.C. Voice coil resistance, R _e	5,1 Ω
Mechanical Quality Factor, Q _{ms}	7,75
Electrical Quality Factor, Q _{es}	0,32
Total Quality Factor, Q _{ts}	0,30
Equivalent Air Volume to C _{ms} , V _{as}	223 l
Mechanical Compliance, C _{ms}	101 μm / N
Mechanical Resistance, R _{ms}	6,2 kg / s
Efficiency, η ₀	2,4 %
Effective Surface Area, S _d	0,125 m ²
Maximum Displacement, X _{max} ***	8 mm
Displacement Volume, V _d	1000 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1,75 mH

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).

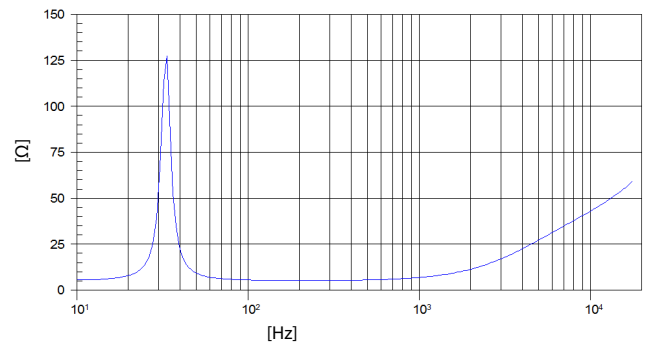
*** The X_{max} is calculated as (L_{vc} · H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.



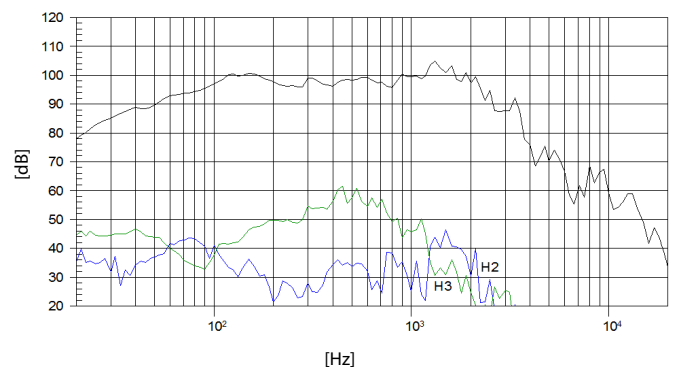
MOUNTING INFORMATION

Overall diameter	462 mm	18,2 in
Bolt circle diameter	438 mm	17,3 in
Baffle cutout diameter:		
- Front mount	413 mm	16,3 in
Depth	215 mm	8,4 in
Net weight	13,8 kg	30,4 lb
Shipping weight	15,3 kg	33,7 lb

FREE AIR IMPEDANCE CURVE



FREQUENCY RESPONSE



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