

KEY FEATURES

- High power handling: 800 W program power
- 3" copper wire voice coil
- High sensitivity: 98 dB (1W / 1m)
- Optimized pressed steel frame
- FEA optimized ceramic magnetic circuit
- Waterproof cone treatment for both sides of the cone
- Low harmonic distortion and linear response
- Wide range of applications of low and mid-low frequencies



TECHNICAL SPECIFICATIONS

Nominal diameter	380 mm	15 in
Rated impedance		8 Ω
Minimum impedance		7 Ω
Power capacity ¹	400 W _{AES}	
Program power ²	800 W	
Sensitivity	98 dB	1W / 1m @ Z _N
Frequency range	40 - 4.000 Hz	
Recom. enclosure vol.	70 / 150 l	2,5 / 5,2 ft ³
Voice coil diameter	76,2 mm	3 in
Bl factor		18,7 N/A
Moving mass		0,096 kg
Voice coil length		16 mm
Air gap height		8 mm
X _{damage} (peak to peak)		30 mm

Notes:

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

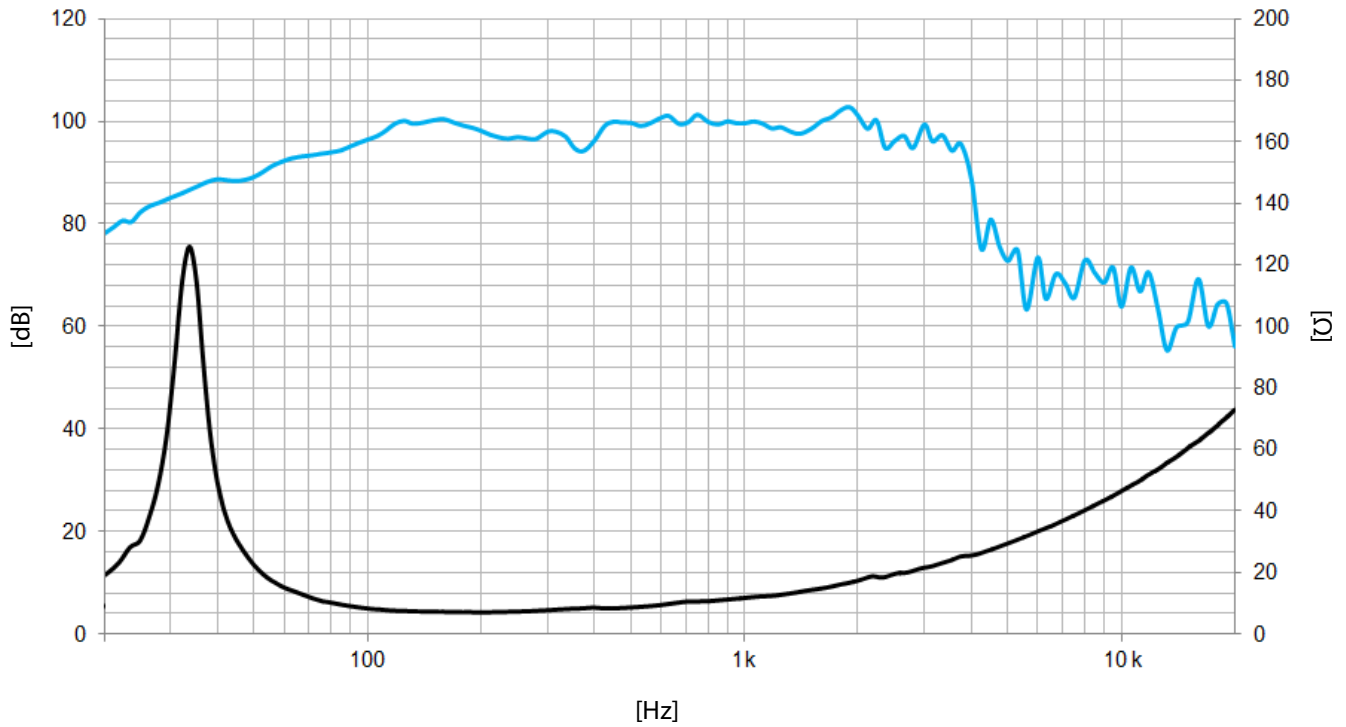
² Program power is defined as power capacity + 3 dB.

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	35 Hz
D.C. Voice coil resistance, R _e	5,6 Ω
Mechanical Quality Factor, Q _{ms}	9,1
Electrical Quality Factor, Q _{es}	0,34
Total Quality Factor, Q _{ts}	0,33
Equivalent Air Volume to C _{ms} , V _{as}	233 l
Mechanical Compliance, C _{ms}	213 μm / N
Mechanical Resistance, R _{ms}	2,3 kg / s
Efficiency, η ₀	2,8 %
Effective Surface Area, S _d	0,088 m ²
Maximum Displacement, X _{max} ⁴	6,3 mm
Displacement Volume, V _d	555 cm ³
Voice Coil Inductance, L _e @ 1 kHz	1,1 mH



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

MOUNTING INFORMATION

Overall diameter	385 mm	15,2 in
Bolt circle diameter	367 mm	14,4 in
Baffle cutout diameter:		
- Front mount	353 mm	13,9 in
Depth	163 mm	6,4 in
Net weight	6,2 kg	13,7 lb
Shipping weight	7,2 kg	15,9 lb

DIMENSION DRAWING

