

KEY FEATURES

- Program power: 300 W
- Sensitivity: 92 dB (1W / 1m)
- FEA optimized neodymium magnetic circuit
- Waterproof paper cone and Santoprene™ surround
- Shorting cap for extended response and low harmonic distortion
- Extended controlled displacement: $X_{\max} \pm 5,7$ mm
- 16 mm peak-to-peak excursion before damage



TECHNICAL SPECIFICATIONS

Nominal diameter	125 mm	5 in
Rated impedance		8 Ω
Minimum impedance		6,7 Ω
Power capacity ¹		150 W _{AES}
Program power ²		300 W
Sensitivity	92 dB	1W / 1m @ Z _N
Frequency range		80 - 10.000 Hz
Recom. enclosure		V _b = 3,5 l
(Bass-reflex design)		F _b = 95 Hz
Voice coil diameter	38,1 mm	1,5 in
BI factor		9,9 N/A
Moving mass		0,011 kg
Voice coil length		14 mm
Air gap height		6 mm
X _{damage} (peak to peak)		16 mm

Notes:

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

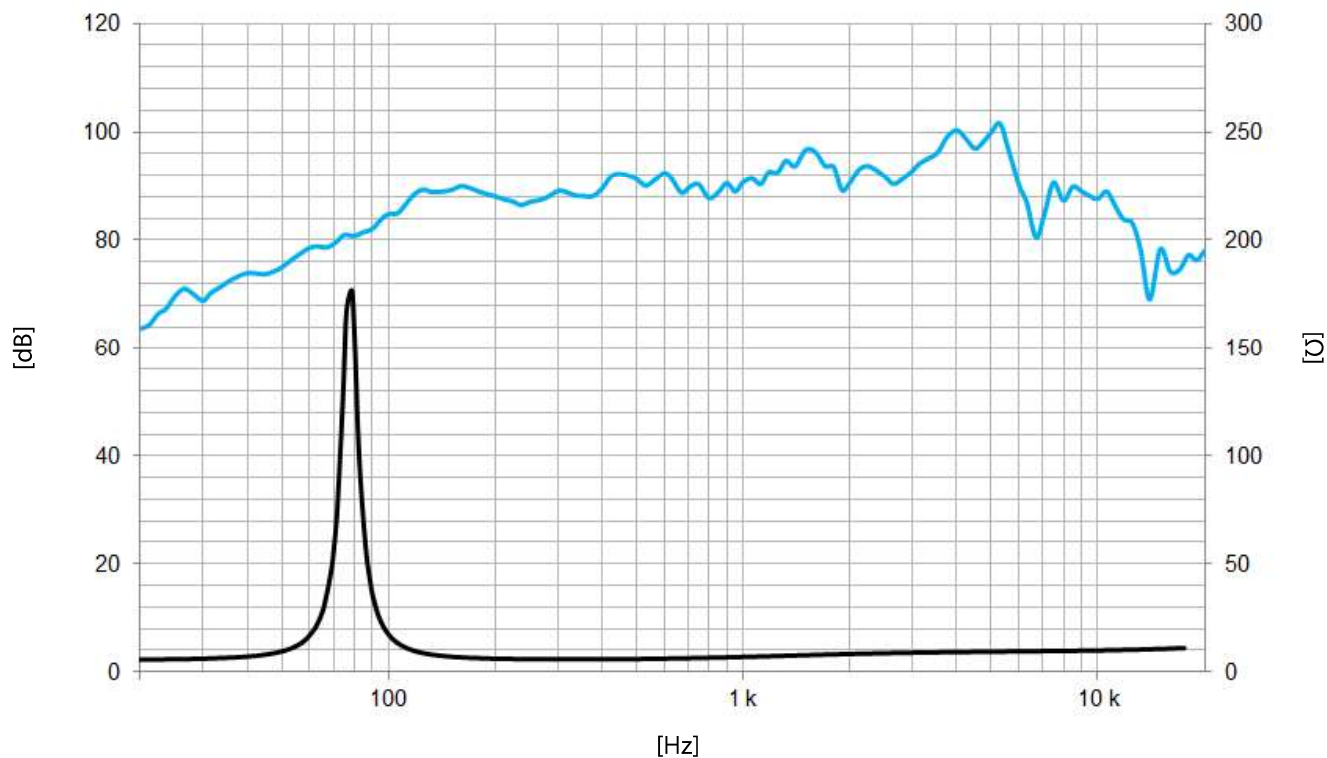
² Program power is defined as power capacity + 3 dB.

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	78 Hz
D.C. Voice coil resistance, R _e	5,3 Ω
Mechanical Quality Factor, Q _{ms}	10,7
Electrical Quality Factor, Q _{es}	0,31
Total Quality Factor, Q _{ts}	0,30
Equivalent Air Volume to C _{ms} , V _{as}	4,5 l
Mechanical Compliance, C _{ms}	355 μ m / N
Mechanical Resistance, R _{ms}	0,5 kg / s
Efficiency, η_0	0,7 %
Effective Surface Area, S _d	0,0095 m ²
Maximum Displacement, X _{max} ⁴	5,7 mm
Displacement Volume, V _d	54,1 cm ³
Voice Coil Inductance, L _e	0,3 mH



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

MOUNTING INFORMATION

Overall diameter	155 mm	6,1 in
Bolt circle diameter	141,5 mm	5,6 in
Baffle cutout diameter:		
- Front mount	120 mm	4,7 in
Depth	72 mm	2,8 in
Net weight	1,2 kg	2,8 lb
Shipping weight	1,5 kg	3,3 lb

DIMENSION DRAWING

