

### 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 <sup>1</sup>	150 W <sub>AES</sub>	
Program power <sup>2</sup>	300 W	
Sensitivity	92 dB	1W / 1m @ $Z_N$
Frequency range		80 - 10.000 Hz
Recom. enclosure (Bass-reflex design)		$V_b = 3,5$ l $F_b = 95$ Hz
Voice coil diameter	38,1 mm	1,5 in
BL factor		9,9 N/A
Moving mass		0,011 kg
Voice coil length		14 mm
Air gap height		6 mm
$X_{\text{damage}}$ (peak to peak)		16 mm

Notes:

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

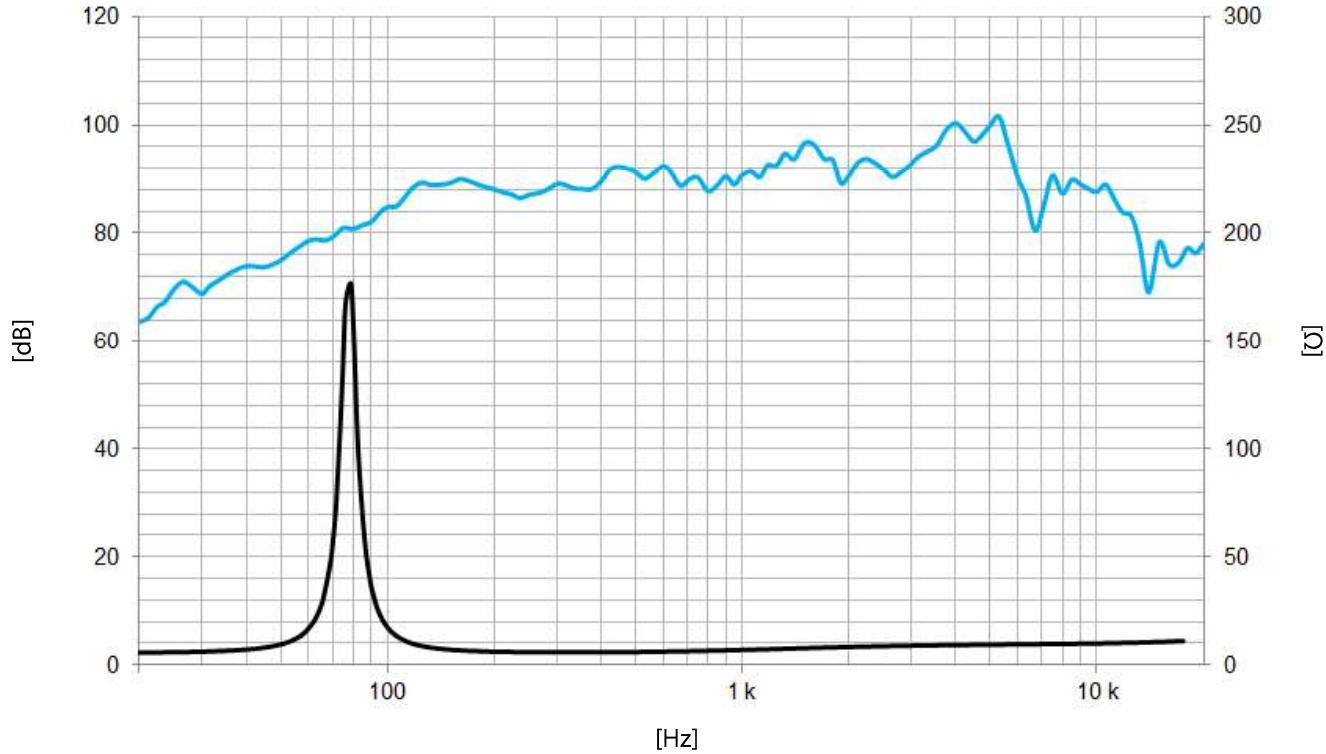
<sup>2</sup> Program power is defined as power capacity + 3 dB.

<sup>3</sup> 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).

<sup>4</sup> 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 PARAMETERS<sup>3</sup>

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 μm / N
Mechanical Resistance, $R_{ms}$	0,5 kg / s
Efficiency, $\eta_0$	0,7 %
Effective Surface Area, $S_d$	0,0095 m <sup>2</sup>
Maximum Displacement, $X_{\max}$ <sup>4</sup>	5,7 mm
Displacement Volume, $V_d$	54,1 cm <sup>3</sup>
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

