

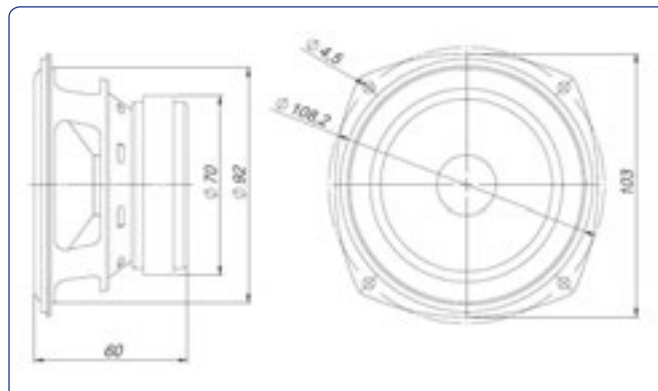
#### KEY FEATURES

- 4" full-range compact ferrite loudspeaker
- 80 W program power
- Extended response and low distortion
- Paper cone and Santoprene™ surround
- Pressed steel basket
- Ceramic magnet
- Ideal for beam-steering application (columns), portable array and compact applications

#### TECHNICAL SPECIFICATIONS

Nominal diameter	100 mm	4 in
Rated impedance		8 $\Omega$
Minimum impedance		7,3 $\Omega$
Power capacity*	40 W <sub>AES</sub>	
Program power	80 W	
Sensitivity	87 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	100 - 20.000 Hz	
Voice coil diameter	20,3 mm	0,8 in
BI factor		4,2 N/A
Moving mass	0,0044 kg	
Voice coil length	7,7 mm	
Air gap height	5 mm	

#### DIMENSION DRAWINGS



#### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	92 Hz
D.C. Voice coil resistance, $R_e$	6,4 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	11,3
Electrical Quality Factor, $Q_{es}$	0,96
Total Quality Factor, $Q_{ts}$	0,88
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	2,8 l
Mechanical Compliance, $C_{ms}$	668 $\mu m / N$
Mechanical Resistance, $R_{ms}$	0,23 kg / s
Efficiency, $\eta_0$	0,22 %
Effective Surface Area, $S_d$	0,0055 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	3 mm
Displacement Volume, $V_d$	11 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	0,2 mH

#### MOUNTING INFORMATION

Overall diameter	118,2 mm	4,65 in
Bolt circle diameter	108,2 mm	4,26 in
Baffle cutout diameter:		
- Front mount	92 mm	3,62 in
Depth	60 mm	2,36 in
Net weight	0,55 kg	1,21 lb
Shipping weight	0,75 kg	1,65 lb

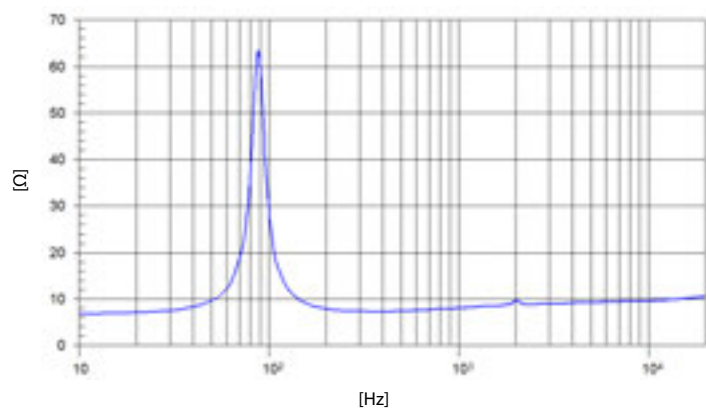
#### Notes:

\* 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.

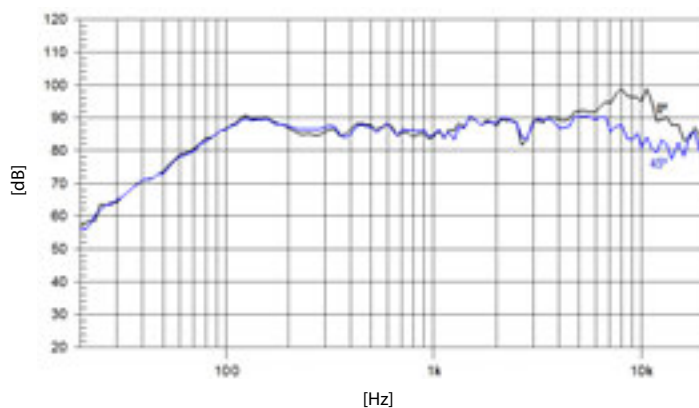
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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.

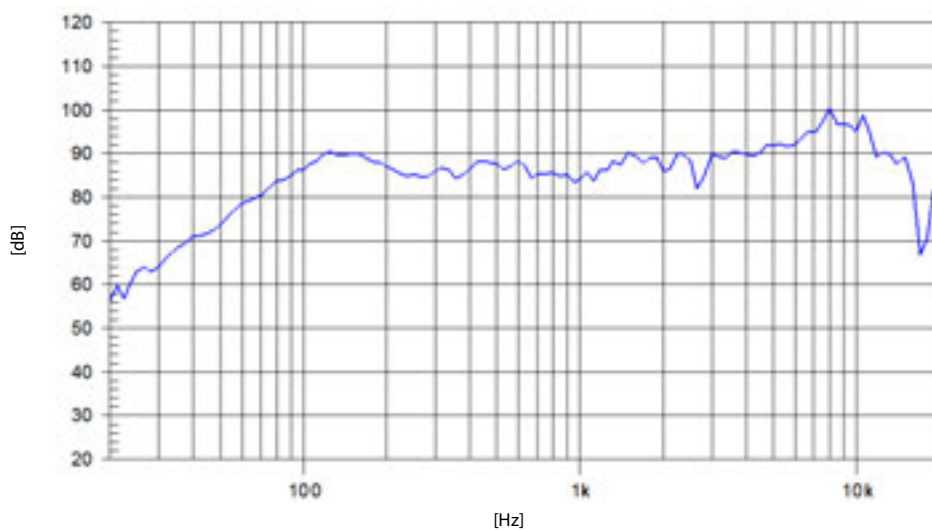
#### FREE AIR IMPEDANCE CURVE



#### OFF-AXIS FREQUENCY RESPONSE



#### FREQUENCY RESPONSE CURVE



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