

#### KEY FEATURES

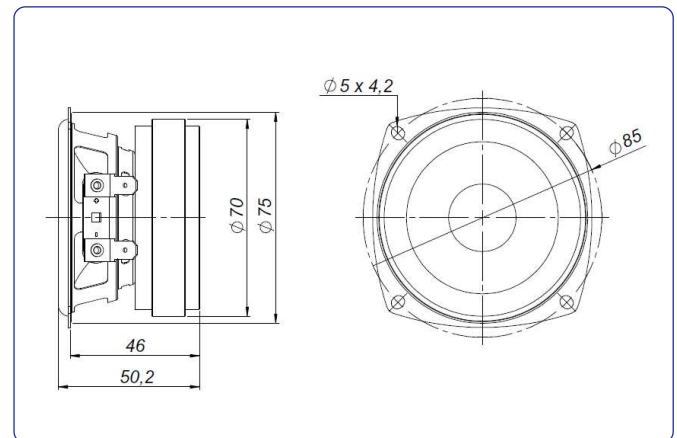
- 3" full-range compact ferrite loudspeaker
- 60 W program power
- Extended response and low distortion
- Paper cone and treated cloth surround
- Steel basket
- Ideal for beam-steering application (columns), portable array and compact applications

#### TECHNICAL SPECIFICATIONS

Nominal diameter	77 mm	3 in
Rated impedance		8 $\Omega$
Minimum impedance		6,5 $\Omega$
Power capacity*		30 W <sub>AES</sub>
Program power		60 W
Sensitivity	91 dB	1W / 1m @ Z <sub>N</sub>
Frequency range		160 - 20.000 Hz
Voice coil diameter	20,3 mm	0,8 in
BI factor		4,9 N/A
Moving mass		0,0022 kg
Voice coil length		10,5 mm
Air gap height		3 mm



#### DIMENSION DRAWINGS



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

Resonant frequency, $f_s$	160 Hz
D.C. Voice coil resistance, $R_e$	5,6 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	8
Electrical Quality Factor, $Q_{es}$	0,52
Total Quality Factor, $Q_{ts}$	0,49
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	0,67 l
Mechanical Compliance, $C_{ms}$	430 $\mu\text{m} / \text{N}$
Mechanical Resistance, $R_{ms}$	0,28 kg / s
Efficiency, $\eta_0$	0,5 %
Effective Surface Area, $S_d$	0,003 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	4,5 mm
Displacement Volume, $V_d$	13,5 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	0,25 mH

#### MOUNTING INFORMATION

Overall diameter	93,5 mm	3,68 in
Bolt circle diameter	85 mm	3,35 in
Baffle cutout diameter:		
- Front mount	75,9 mm	2,98 in
Depth	46 mm	1,81 in
Net weight	0,57 kg	1,25 lb
Shipping weight	0,70 kg	1,54 lb

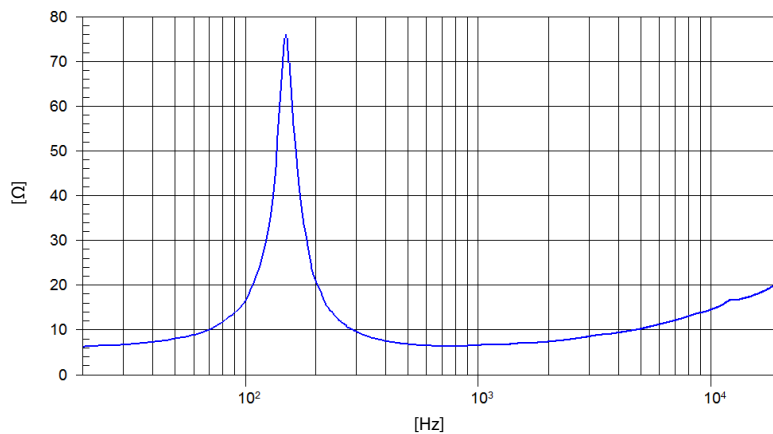
#### Notes:

\* 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.

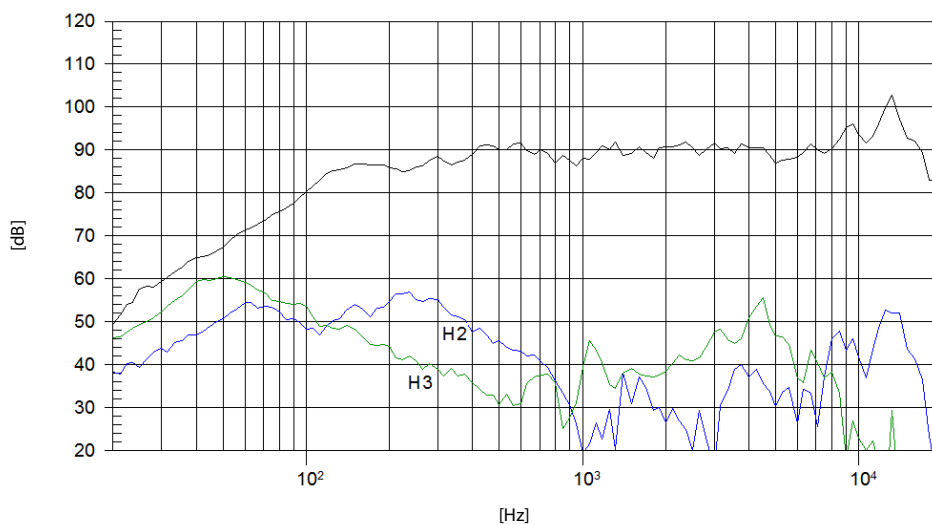
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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



#### FREQUENCY RESPONSE AND DISTORTION



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