

### KEY FEATURES

- Very high efficiency mid-range driver
- Carbon fiber cone for optimum loading behaviour and low distortion
- Extremely linear frequency response
- 2" aluminium voice coil
- 400 W Program Power
- High efficiency and sensitivity
- Shorting cap for extended response
- FEA optimized neodymium motor structure
- Sealed cast aluminium frame
- Designed for high performance mid-frequency line array

### TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		8 Ω
Minimum impedance		8 Ω
Power capacity*	200 W <sub>AES</sub>	
Program power	400 W	
Sensitivity	97 dB	1W / 1m @ Z <sub>N</sub>
Frequency range	400 - 12.000 Hz	
Voice coil diameter	51,7 mm	2 in
BI factor		19,2 N/A
Moving mass		0,016 kg
Voice coil length		9,2 mm
Air gap height		9 mm

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	410 Hz
D.C. Voice coil resistance, $R_e$	6,3 Ω
Mechanical Quality Factor, $Q_{ms}$	5,9
Electrical Quality Factor, $Q_{es}$	0,72
Total Quality Factor, $Q_{ts}$	0,64
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	0,25 l
Mechanical Compliance, $C_{ms}$	9 μm / N
Mechanical Resistance, $R_{ms}$	7,1 kg / s
Efficiency, $\eta_0$	2,4 %
Effective Surface Area, $S_d$	0,014 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	2,5 mm
Displacement Volume, $V_d$	35 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	0,25 mH

#### 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).

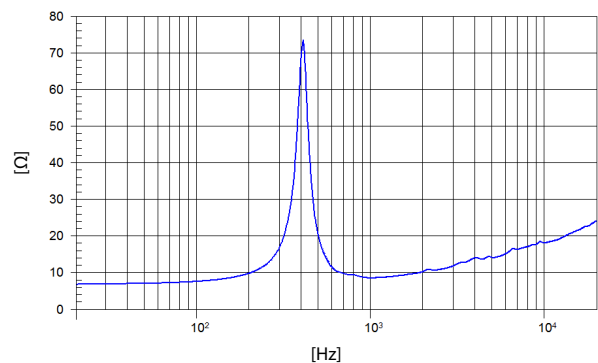
\*\*\* The  $X_{max}$  is calculated as  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , where  $L_{vc}$  is the voice coil length and  $H_{ag}$  is the air gap height.



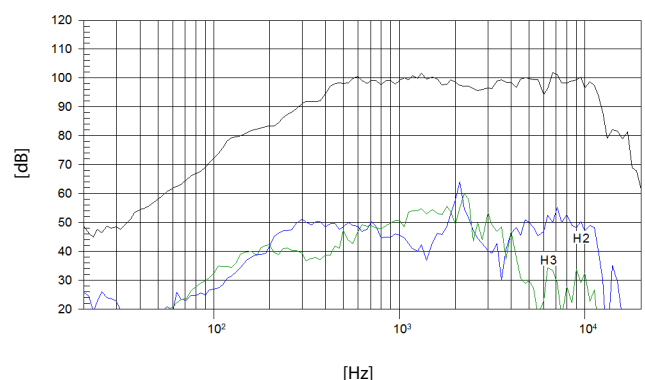
### MOUNTING INFORMATION

Overall diameter	174 mm	6,85 in
Bolt circle diameter	158 mm	6,22 in
Baffle cutout diameter:		
- Front mount	146 mm	5,75 in
Depth	75 mm	2,95 in
Net weight	2,3 kg	5,07 lb
Shipping weight	2,7 kg	5,95 lb

### FREE AIR IMPEDANCE CURVE



### FREQUENCY RESPONSE & DISTORTION



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