

### KEY FEATURES

- High power handling: 600 / 100 W program power
- 2,5" / 1,75" voice coil (LF/HF)
- High sensitivity: 96,5 / 104 dB
- FEA optimized common magnet circuit
- Designed with MMSS technology
- Shorting cap for extended response
- Waterproof cone with treatment for both sides of the cone
- PM4 diaphragm for natural sound
- 70° conical coverage horn

### TECHNICAL SPECIFICATIONS

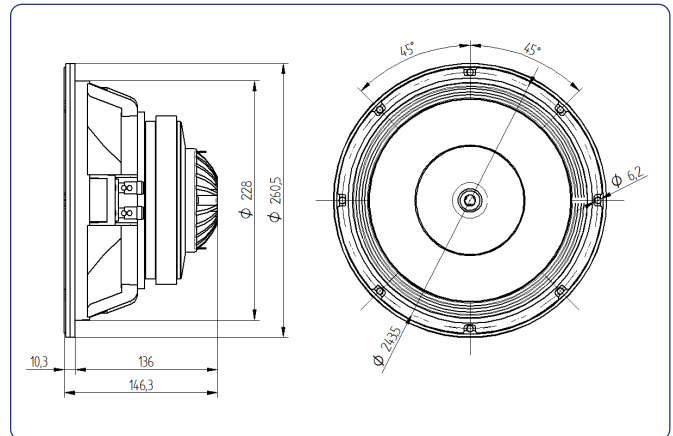
<b>Nominal diameter</b>	250 mm	10 in
<b>Rated impedance (LF/HF)</b>	8 / 16 $\Omega$	
<b>Minimum impedance (LF/HF)</b>	5,7 / 10,1 $\Omega$	
<b>Power capacity* (LF/HF)</b>	300 / 50 W <sub>AES</sub>	
<b>Program power (LF/HF)</b>	600 / 100 W	
<b>Sensitivity (LF/HF**)</b>	96,5 dB 1W / 1m @ Z <sub>N</sub>	
	104 dB 1W / 1m @ Z <sub>N</sub>	
<b>Frequency range</b>	50 - 20.000 Hz	
<b>Recom. HF crossover</b>	2 kHz or higher	
	(12 dB/oct min slope)	
<b>Voice coil diameter (LF/HF)</b>	63,5 mm	2,5 in
	44,45 mm	1,75 in
<b>BL factor</b>	11,65 N/A	
<b>Moving mass</b>	0,035 kg	
<b>Voice coil length</b>	17,5 mm	
<b>Air gap height</b>	10 mm	
<b>X<sub>damage</sub> (peak to peak)</b>	30 mm	

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

<b>Resonant frequency, f<sub>s</sub></b>	48 Hz
<b>D.C. Voice coil resistance, R<sub>e</sub></b>	5,2 $\Omega$
<b>Mechanical Quality Factor, Q<sub>ms</sub></b>	5,3
<b>Electrical Quality Factor, Q<sub>es</sub></b>	0,41
<b>Total Quality Factor, Q<sub>ts</sub></b>	0,38
<b>Equivalent Air Volume to C<sub>ms</sub>, V<sub>as</sub></b>	62,7 l
<b>Mechanical Compliance, C<sub>ms</sub></b>	307 $\mu$ m / N
<b>Mechanical Resistance, R<sub>ms</sub></b>	2,05 kg / s
<b>Efficiency, <math>\eta_0</math></b>	1,65 %
<b>Effective Surface Area, S<sub>d</sub></b>	0,038 m <sup>2</sup>
<b>Maximum Displacement, X<sub>max</sub>****</b>	6,75 mm
<b>Displacement Volume, V<sub>d</sub></b>	256 cm <sup>3</sup>
<b>Voice Coil Inductance, L<sub>e</sub> @ 1 kHz</b>	0,4 mH



### DIMENSION DRAWINGS



### MOUNTING INFORMATION

<b>Overall diameter</b>	260,5 mm	10,26 in
<b>Bolt circle diameter</b>	243,5 mm	9,59 in
<b>Baffle cutout diameter:</b>		
- Front mount	228 mm	8,98 in
<b>Depth</b>	153 mm	6,02 in
<b>Net weight</b>	5,1 kg	11,24 lb
<b>Shipping weight</b>	5,5 kg	12,13 lb

#### Notes:

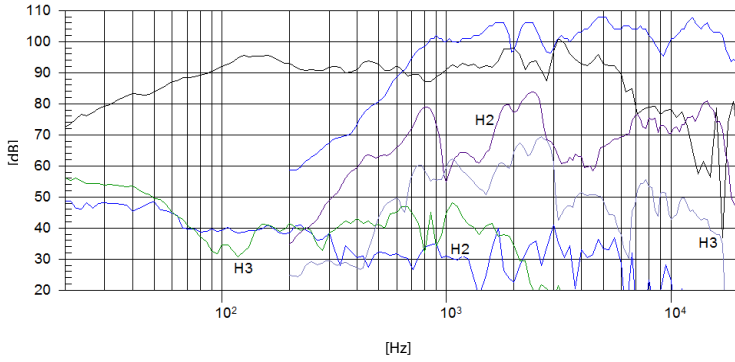
\* The power capacity is determined according to AES2-1984 (r2003) standard. Program power is defined as the transducer's ability to handle normal music program material.

\*\* Sensitivity was measured at 1m distance, on axis, with 1W input, averaged in the range 1 - 8 kHz.

\*\*\* 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).

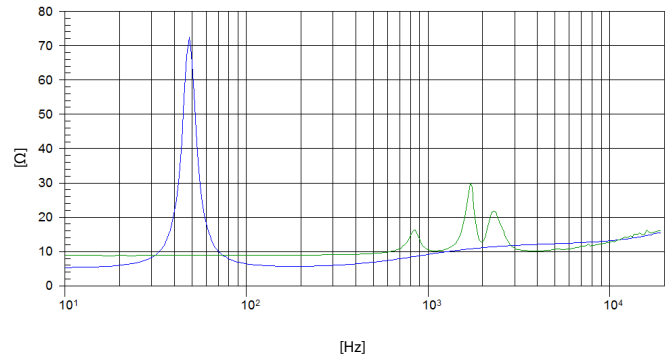
\*\*\*\* The X<sub>max</sub> is calculated as (L<sub>vc</sub> - H<sub>ag</sub>)/2 + (H<sub>ag</sub>/3,5), where L<sub>vc</sub> is the voice coil length and H<sub>ag</sub> is the air gap height.

### FREQUENCY RESPONSE

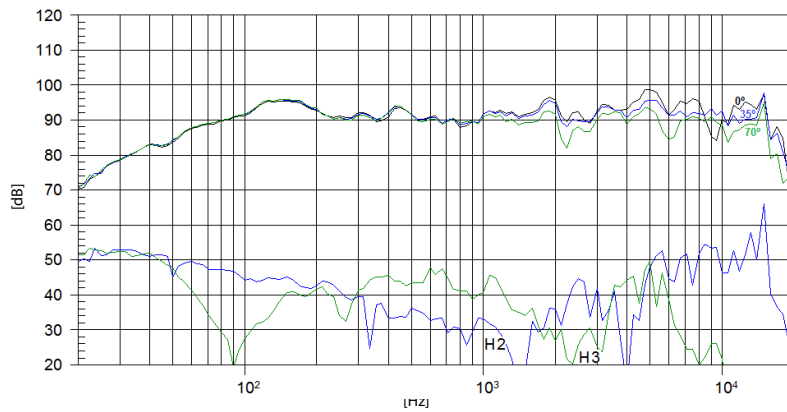


**Note:** On axis frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m

### FREE AIR IMPEDANCE CURVE



### FILTERED FREQUENCY RESPONSE



**Note:** Filtered frequency response measured with loudspeaker standing on infinite baffle in anechoic chamber, 1W @ 1m using an active filter with the following specifications:  
LF cut-off freq: 2.2 kHz, HF cut-off freq: 3.5 kHz,  
Crossover: 3.4 kHz, HF attenuation: 7 dB

### POLAR PATTERN

