

### TECHNICAL SPECIFICATIONS

<b>Nominal diameter</b>	200 mm	8 in
<b>Rated impedance</b> (LF/HF)	8 / 8 Ω	
<b>Minimum impedance</b> (LF/HF)	7,3 / 6,8 Ω	
<b>Power capacity<sup>1</sup></b> (LF/HF)	250 / 60 W <sub>AES</sub>	
<b>Program power<sup>2</sup></b> (LF/HF)	500 / 120 W	
<b>Sensitivity</b> (LF/HF)	97 / 105 dB	1W / 1m @ Z <sub>N</sub>
<b>Frequency range</b>		120 - 20.000 Hz
<b>Voice coil diameter</b> (LF/HF)	63,5 mm	2,5 in
	72,4 mm	2,85 in
<b>BL factor</b>		14,5 N/A
<b>Moving mass</b>		0,023 kg
<b>Voice coil length</b>		15 mm
<b>Air gap height</b>		7 mm



### THIELE-SMALL PARAMETERS<sup>3</sup>

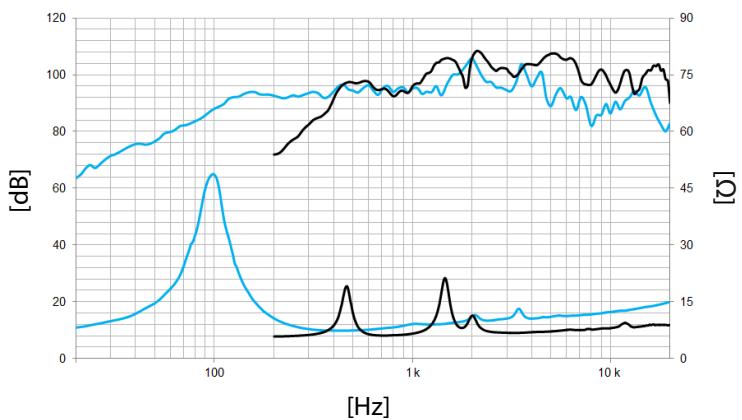
<b>Resonant frequency, f<sub>s</sub></b>	100 Hz
<b>D.C. Voice coil resistance, R<sub>e</sub></b>	5,2 Ω
<b>Mechanical Quality Factor, Q<sub>ms</sub></b>	3,4
<b>Electrical Quality Factor, Q<sub>es</sub></b>	0,36
<b>Total Quality Factor, Q<sub>ts</sub></b>	0,33
<b>Equivalent Air Volume to C<sub>ms</sub>, V<sub>as</sub></b>	7,4 l
<b>Mechanical Compliance, C<sub>ms</sub></b>	108 μm / N
<b>Mechanical Resistance, R<sub>ms</sub></b>	4,3 kg / s
<b>Efficiency, η<sub>0</sub></b>	2 %
<b>Effective Surface Area, S<sub>d</sub></b>	0,022 m <sup>2</sup>
<b>Maximum Displacement, X<sub>max</sub><sup>4</sup></b>	6 mm
<b>Displacement Volume, V<sub>d</sub></b>	132 cm <sup>3</sup>
<b>Voice Coil Inductance, L<sub>e</sub></b>	0,3 mH

### MATERIALS

<b>Voice coil winding</b>	Aluminum
<b>Spider</b>	Conex
<b>Magnet</b>	Neodymium
<b>Cone</b>	Carbon fiber
<b>Frame</b>	Die cast aluminum

### MOUNTING INFORMATION

<b>Overall diameter</b>	212 mm	8,3 in
<b>Bolt circle diameter</b>	195 mm	7,7 in
<b>Baffle cutout diameter:</b>		
- <b>Front mount</b>	182 mm	7,2 in
<b>Depth</b>	135 mm	5,3 in
<b>Net weight</b>	4,9 kg	10,8 lb
<b>Shipping weight</b>	5,2 kg	11,5 lb



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

#### Notes:

This datasheet is done with the measurement of a laboratory prototype. Small differences may appear when the driver is transferred to the production line and manufactured in big quantities.

<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<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.