

### TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6.5 in
Rated impedance (LF/HF)	16 / 16 Ω	
Minimum impedance (LF/HF)	11.7 / 9.7 Ω	
Power capacity * (LF/HF)	200 / 40 W <sub>AES</sub>	
Program power (LF/HF)	400 / 80 W	
Sensitivity (LF/HF**) 93 / 105 dB	1W / 1m @ Z <sub>n</sub>	
Frequency range	60 - 20.000 Hz	
Recommended crossover	2.5 kHz or higher	(12 dB/oct min slope)
Voice coil diameter (LF/HF)	50.8 mm	2 in
	44.45 mm	1.75 in
Air gap height		7 mm
Voice coil length		14 mm
Bl factor		11.7 N/A
Moving mass		0.013 kg

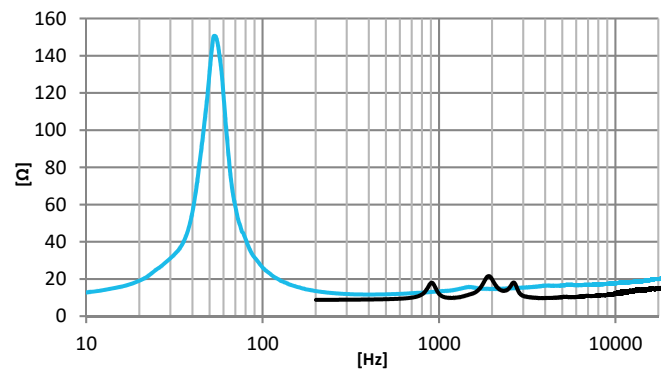
### MOUNTING INFORMATION

Overall diameter	187.5 mm	7.4 in
Bolt circle diameter	172 mm	6.8 in
Baffle cutout diameter	145 mm	5.7 in
Depth	103 mm	4.1 in
Net weight	2.0 kg	4.4 lb

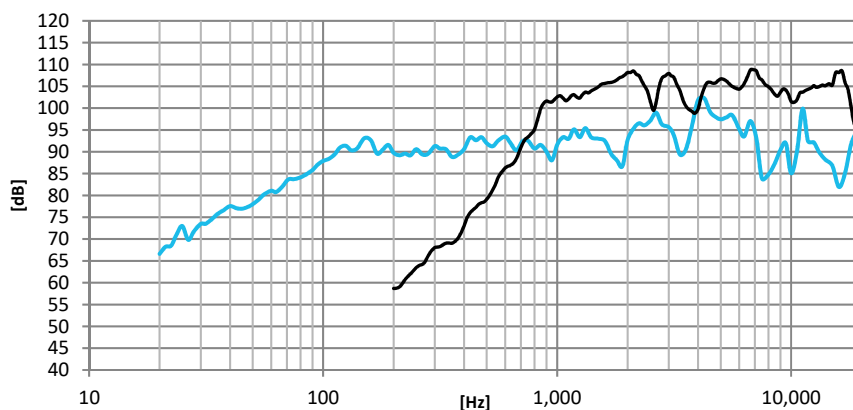
### THIELE-SMALL PARAMETERS\*\*\*

Resonant frequency, f <sub>s</sub>	57 Hz
D.C. Voice coil resistance, R <sub>e</sub>	9.9 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	6.3
Electrical Quality Factor, Q <sub>es</sub>	0.33
Total Quality Factor, Q <sub>ts</sub>	0.32
Equivalent Air Volume to Cms, V <sub>as</sub>	15.6 l
Mechanical Compliance, C <sub>ms</sub>	603 μm/N
Mechanical Resistance, R <sub>ms</sub>	0.7 kg/s
Efficiency, η <sub>0</sub>	0.8 %
Effective Surface Area, S <sub>D</sub>	0.0135 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ****	5.5 mm
Voice Coil Inductance, L <sub>e</sub>	0.4 mH

### 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.

#### Notes:

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

Please refer to the serial datasheet for the definitive information of the average production.

\* Power capacity (AES2-1984 (r2003)) has been estimated in this particular case for the present sample. 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 2 - 7 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> - Hag)/2 + (Hag/3.5), where L<sub>vc</sub> is the voice coil length and Hag is the air gap height.