

#### TECHNICAL SPECIFICATIONS

Nominal diameter	165 mm	6,5 in
Rated impedance		4 Ω
Minimum impedance		3,9 Ω
Power capacity *		200 W <sub>AES</sub>
Program power		400 W
Sensitivity	92 dB	1W @ 1m @ Z <sub>n</sub>
Frequency range		60 - 6.000 Hz
Voice coil diameter	50,8 mm	2 in
Air gap height		7 mm
Voice coil length		14 mm
BL factor		9,3 N/A
Moving mass		0,019 kg
Winding material		Aluminum
Spider material		Conex
Magnet material		Neodymium
Cone material		Paper
Frame material		Die cast aluminum

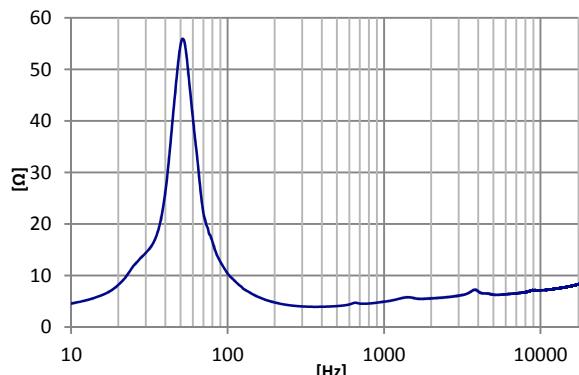
#### MOUNTING INFORMATION

Overall diameter	162,5 mm	6,4 in
Bolt circle diameter	172 mm	6,8 in
Baffle cutout diameter	146 mm	5,7 in
Depth	78 mm	3,1 in
Net weight	1,9 kg	4,2 lb

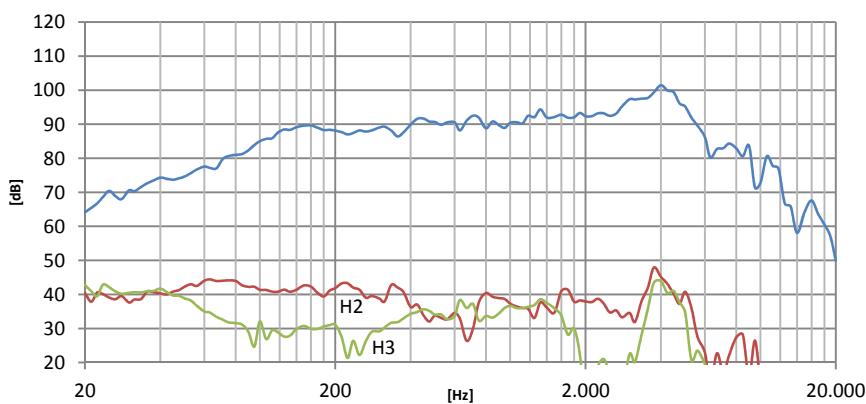
#### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, f <sub>s</sub>	56 Hz
D.C. Voice coil resistance, R <sub>e</sub>	3 Ω
Mechanical Quality Factor, Q <sub>ms</sub>	5,1
Electrical Quality Factor, Q <sub>es</sub>	0,23
Total Quality Factor, Q <sub>ts</sub>	0,22
Equivalent Air Volume to Cms, V <sub>as</sub>	11,1 l
Mechanical Compliance, C <sub>ms</sub>	430 μm/N
Mechanical Resistance, R <sub>ms</sub>	1,3 kg/s
Efficiency, η <sub>0</sub>	0,8 %
Effective Surface Area, S <sub>D</sub>	0,014 m <sup>2</sup>
Maximum Displacement, X <sub>max</sub> ***	5,5 mm
Voice Coil Inductance, L <sub>e</sub>	0,2 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.

\*\* 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 Xmax is calculated as (Lvc - Hag)/2 + (Hag/3,5), where Lvc is the voice coil length and Hag is the air gap height.