

TECHNICAL SPECIFICATIONS

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

THIELE-SMALL PARAMETERS³

Resonant frequency, f _s	100 Hz
D.C. Voice coil resistance, R _e	5,2 Ω
Mechanical Quality Factor, Q _{ms}	3,4
Electrical Quality Factor, Q _{es}	0,36
Total Quality Factor, Q _{ts}	0,33
Equivalent Air Volume to C _{ms} , V _{as}	7,4 l
Mechanical Compliance, C _{ms}	108 μ m / N
Mechanical Resistance, R _{ms}	4,3 kg / s
Efficiency, η_0	2 %
Effective Surface Area, S _d	0,022 m ²
Maximum Displacement, X _{max} ⁴	6 mm
Displacement Volume, V _d	132 cm ³
Voice Coil Inductance, L _e	0,3 mH

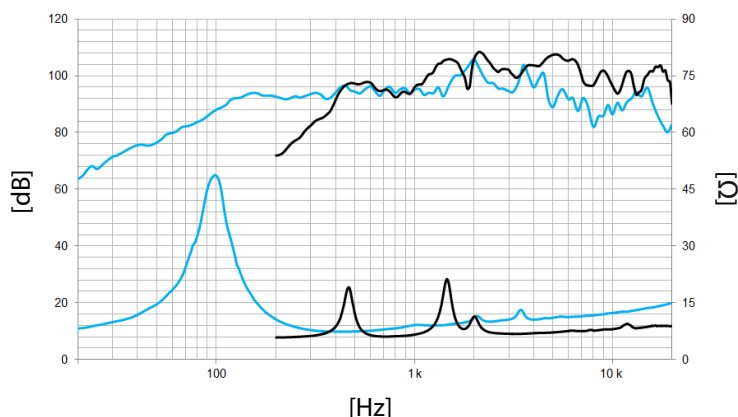
MATERIALS

Voice coil winding	Aluminum
Spider	Conex
Magnet	Neodymium
Cone	Carbon fiber
Frame	Die cast aluminum



MOUNTING INFORMATION

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

¹ The power capacity is determined according to AES2-1984 (r2003) standard.

² Program power is defined as power capacity + 3 dB.

³ 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).

⁴ 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.