

KEY FEATURES

- 500 W program power
- Sensitivity: 101 dB @ 2,83 V @ 1 m
- Low harmonic distortion
- Neodymium magnet
- Designed for high quality mid-frequency reproduction

TECHNICAL SPECIFICATIONS

Nominal diameter	250 mm	10 in
Rated impedance	4 Ω	
Minimum impedance	4,5 Ω	
Power capacity*	250 W _{AES}	
Program power	500 W	
Sensitivity	101 dB 2,83v @ 1m @ 2π	
Frequency range	100 - 8.000 Hz	
Recom. enclosure vol.	20 / 70 l	0,7 / 2,6 ft ³
Voice coil diameter	63,5 mm	2,5 in
Magnetic assembly weight	2,4 kg	5,29 lb
BL factor	10,4 N/A	
Moving mass	0,033 kg	
Voice coil length	10 mm	
Air gap height	10 mm	

THIELE-SMALL PARAMETERS**

Resonant frequency, f _s	66 Hz
D.C. Voice coil resistance, R _e	2,8 Ω
Mechanical Quality Factor, Q _{ms}	14,35
Electrical Quality Factor, Q _{es}	0,36
Total Quality Factor, Q _{ts}	0,35
Equivalent Air Volume to C _{ms} , V _{as}	34,28 l
Mechanical Compliance, C _{ms}	170 μm / N
Mechanical Resistance, R _{ms}	0,98 kg / s
Efficiency, η ₀	2,69 %
Effective Surface Area, S _d	0,038 m ²
Maximum Displacement, X _{max} ***	2,8 mm
Displacement Volume, V _d	227 cm ³
Voice Coil Inductance, L _e @ 1 kHz	0,5 mH

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.

** 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).

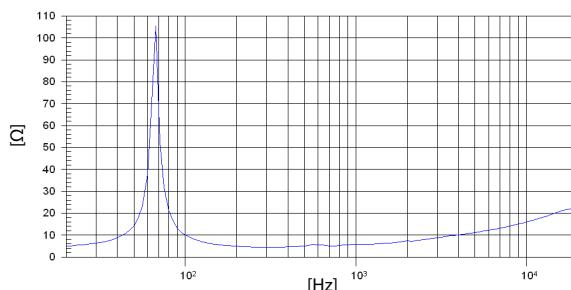
*** The X_{max} is calculated as (L_{vc} - H_{ag})/2 + (H_{ag}/3,5), where L_{vc} is the voice coil length and H_{ag} is the air gap height.



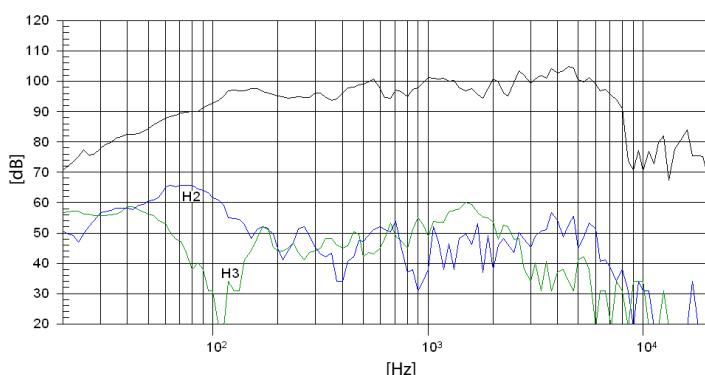
MOUNTING INFORMATION

Overall diameter	257 mm	10,12 in
Bolt circle diameter	244 mm	9,61 in
Baffle cutout diameter:		
- Front mount	237 mm	9,33 in
- Rear mount	235 mm	9,25 in
Depth	120,4 mm	4,74 in
Volume displaced by driver	3 l	0,11 ft ³
Net weight	3,34 kg	7,36 lb
Shipping weight	2,95 kg	6,50 lb

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