

### 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 $\Omega$
Minimum impedance		4,5 $\Omega$
Power capacity*	250 W <sub>AES</sub>	
Program power	500 W	
Sensitivity	101 dB	2,83v @ 1m @ 2 $\pi$
Frequency range	100 - 8.000 Hz	
Recom. enclosure vol.	20 / 70 l	0,7 / 2,6 ft <sup>3</sup>
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 $\Omega$
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 $\mu$ m / N
Mechanical Resistance, $R_{ms}$	0,98 kg / s
Efficiency, $\eta_0$	2,69 %
Effective Surface Area, $S_d$	0,038 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	2,8 mm
Displacement Volume, $V_d$	227 cm <sup>3</sup>
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).

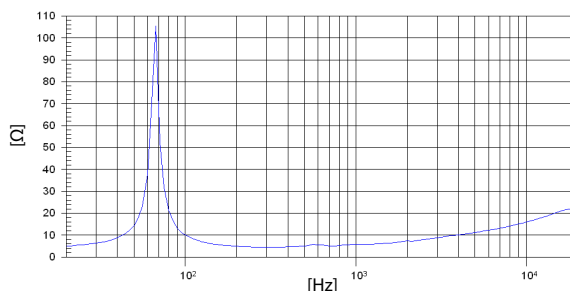
\*\*\* The  $X_{max}$  is calculated as  $(L_{vc} - H_{ag})/2 + (H_{ag}/3,5)$ , where  $L_{vc}$  is the voice coil length and  $H_{ag}$  is the air gap height.



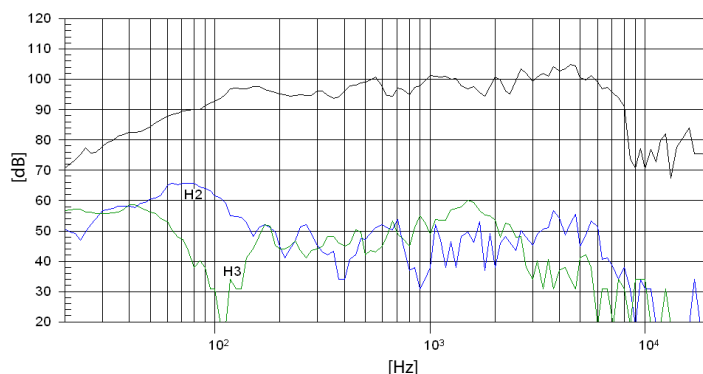
### MOUNTING INFORMATION

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 <sup>3</sup>
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