

### KEY FEATURES

- 100 W<sub>RMS</sub> program handling
- Sensitivity: 90,6 dB @ 2,83 V @ 1 m
- 2" voice coil.
- Extended controlled displacement:  $X_{max} \pm 6,5$  mm
- Low frequency driver
- Ferrite magnet

### TECHNICAL SPECIFICATIONS

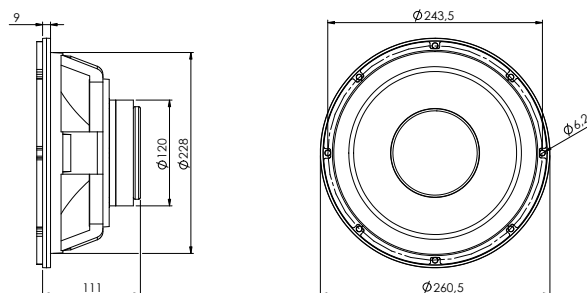
Nominal diameter	250 mm	10 in
Rated impedance		8 $\Omega$
Minimum impedance		8,3 $\Omega$
Power capacity*		100 W <sub>RMS</sub>
Program power		200 W
Sensitivity	90,6 dB	2,83v @ 1m @ 2 $\pi$
Frequency range		30 - 5.000 Hz
Recom. enclosure vol.	30 / 100 l	1,06 / 3,53 ft <sup>3</sup>
Voice coil diameter	51,7 mm	2 in
Magnetic assembly weight	2,75 kg	6,06 lb
Bl factor		10,6 N/A
Moving mass		0,048 kg
Voice coil length		16 mm
Air gap height		7 mm
X <sub>damage</sub> (peak to peak)		31 mm

### THIELE-SMALL PARAMETERS\*\*

Resonant frequency, $f_s$	31 Hz
D.C. Voice coil resistance, $R_e$	6,5 $\Omega$
Mechanical Quality Factor, $Q_{ms}$	3,29
Electrical Quality Factor, $Q_{es}$	0,55
Total Quality Factor, $Q_{ts}$	0,47
Equivalent Air Volume to $C_{ms}$ , $V_{as}$	108,2 l
Mechanical Compliance, $C_{ms}$	536 $\mu$ m / N
Mechanical Resistance, $R_{ms}$	2,89 kg / s
Efficiency, $\eta_0$	0,57 %
Effective Surface Area, $S_d$	0,038 m <sup>2</sup>
Maximum Displacement, $X_{max}$ ***	6,5 mm
Displacement Volume, $V_d$	240 cm <sup>3</sup>
Voice Coil Inductance, $L_e$ @ 1 kHz	1,5 mH



### DIMENSION DRAWINGS



### MOUNTING INFORMATION

Overall diameter	260,5 mm	10,26 in
Bolt circle diameter	243,5 mm	9,59 in
Baffle cutout diameter:		
- Front mount	228 mm	8,98 in
- Rear mount	232 mm	9,13 in
Depth	120 mm	4,72 in
Volume displaced by driver	2,5 l	0,08 ft <sup>3</sup>
Net weight	2,87 kg	6,33 lb
Shipping weight	3,25 kg	7,17 lb

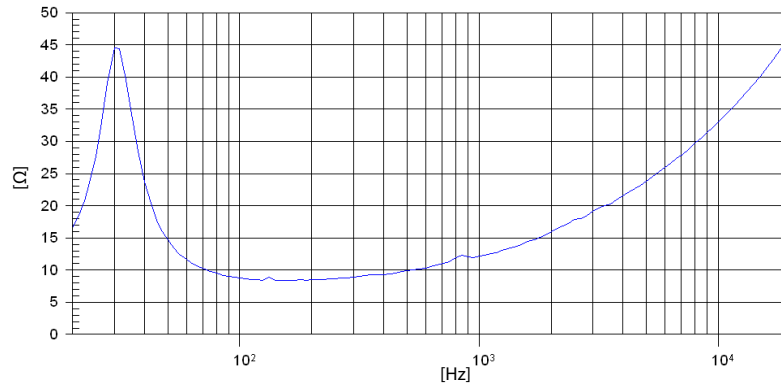
#### Notes:

\* 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.

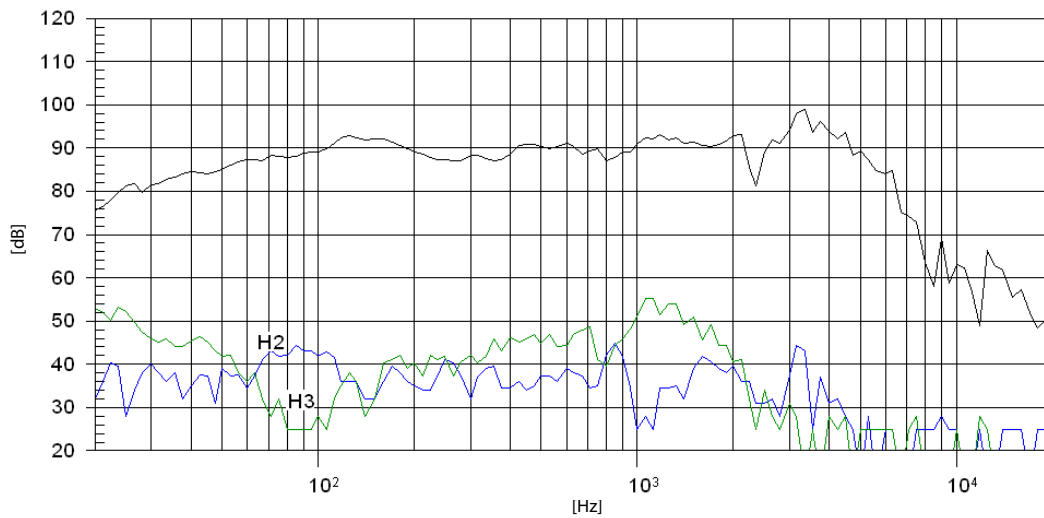
\*\* T-S parameters are measured after an exercise period using a preconditioning power test. The measurements are carried out with a velocity-current laser transducer and will reflect the long term parameters (once the loudspeaker has been working for a short period of time).

\*\*\* 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.

### 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