

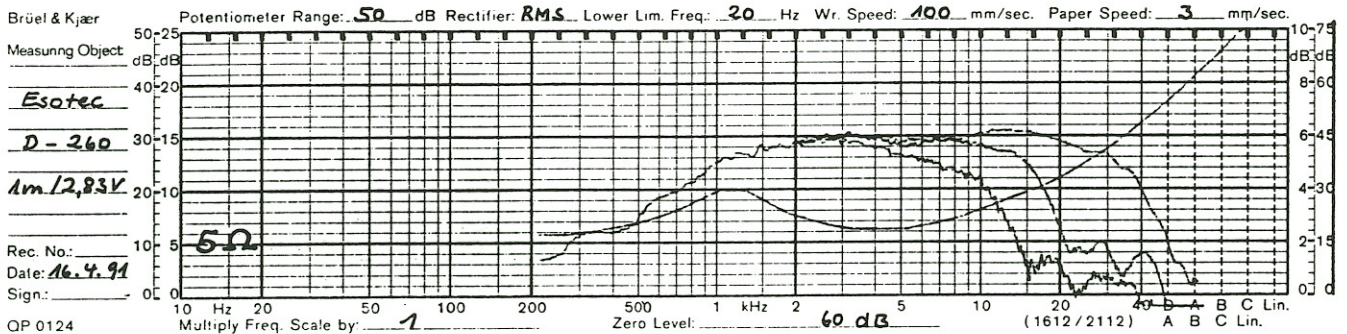
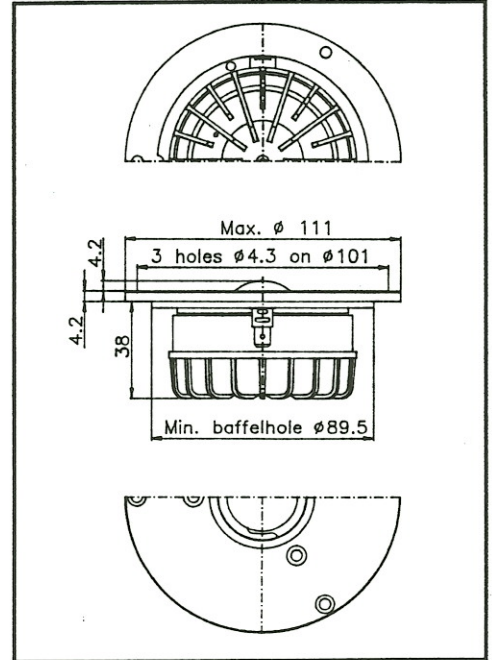
## Tweeter ESOTEC® D-260

The design of the ESOTEC® D-260 has capitalized on the experience and the numerous features which helped the famous ESOTAR® T-330 D acquire its legendary reputation.

The D-260 is equipped with a new Softdome for which a new coating process has been developed, too. Further improved damping characteristics are the result.

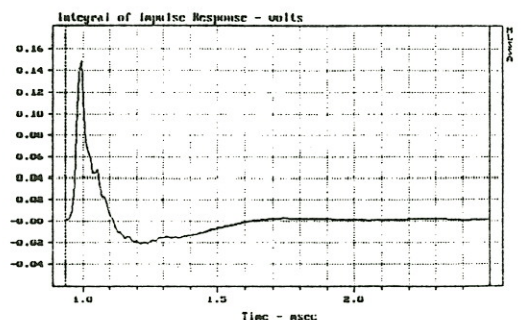
The design of the magnet system resembles a kind of transmission line enclosure. A special material reducing internal reflections has been used for any surface in the back of the diaphragm. Due to the well-defined densities of different kind of damping material a gradual absorption of the energy directed to the rear into the cone-shaped chamber is provided. The heavily ribbed rear chamber absorbs extraordinarily reliably any vibration attack from outside.

The front plate is made of cast aluminium (4 mm thick) featuring rugged bracings.

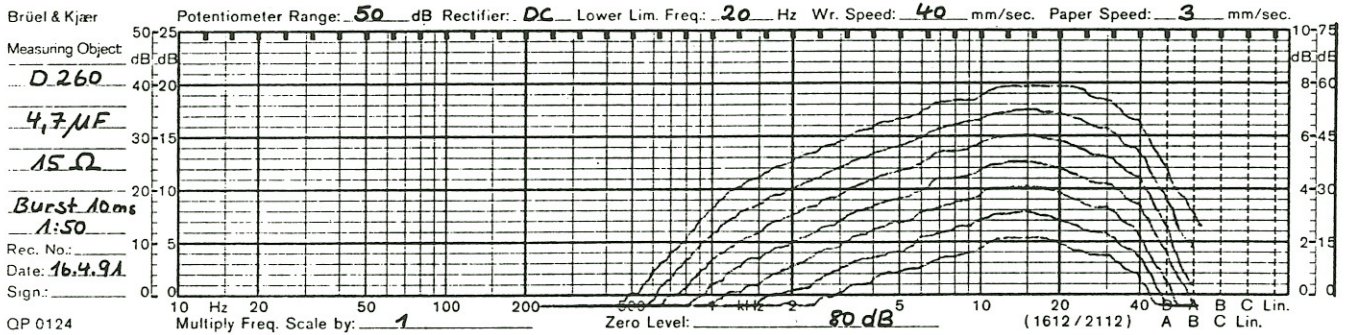


Frequency response and impedance curve ESOTEC® D-260, distance: 1 m, on-axis, 30° and 60°.

The MLSSA measurements show the pulse response of the ESOTEC® D-260. The ideal mechanical damping of the voice coil and the sophisticated acoustic damping of the rear chamber provide excellent decay characteristics.



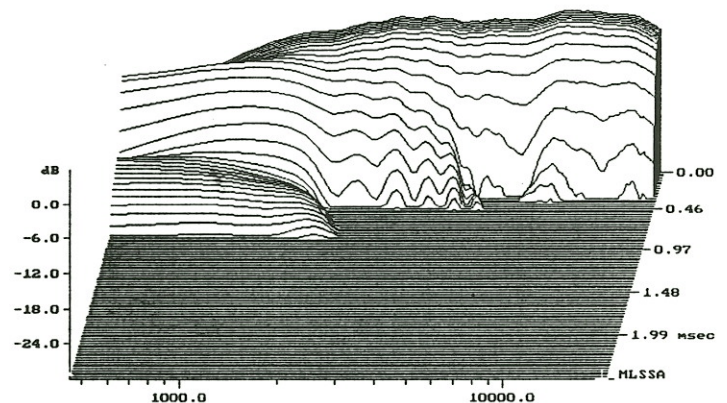
# Dynamic Measurements



Levels of 1, 3, 10, 30, 100, 300 and 1,000 watts were applied while recording the curves. The parallel arrangement of the curves indicates that even fast 1,000-W-peaks do not produce any compression.

# MLSSA Waterfall Plot

The MLSSA cumulative spectral decay (waterfall) plot shows the energy/time response of the ESOTEC® D-260. These fairly outstanding results clearly show that time delayed reflections have been reduced to a minimum.



# Specifications

## Thiele-Small Parameter:

Q, mechanical	$Q_{ms}$	0.83
Q, electrical	$Q_{es}$	1.14
Q, total	$Q_{ts}$	0.48
Resonance free air	$f_s$	1,000 Hz
force factor	$B \times L$	3.9 Tm
eff. cone area	$S_D$	7.7 cm <sup>2</sup>
moving mass	$M_{ms}$	0.51 g
lin. excursion (p-p)	$X_{max}$	0.3 mm
max. excursion (p-p)		3.2 mm

<b>Voice coil:</b>	
diameter	d 28 mm
length	h 2.8 mm
layers	n 2
inductance(1KHz)	$L_e$ 0.063
nom. impedance	$Z_{vc}$ 8 ohms
DC resistance	$R_e$ 5.2 ohms

**Sensitivity** 2.83 V see curve

<b>Power handling,</b>	
depending on filter:	
nominal (long term)	IEC 130 W
transient	10ms 1000 W

**Net weight** 640 g  
**Overall dimensions** Ø 111 x 46 mm