



Midrange

13M/8640-00



All your senses
are related



Description

The 13M/8640-00 mid-range driver has extended frequency response and wide dispersion. It uses our Symmetric Drive magnet system and a light paper cone which has been coated for optimum damping of resonance. A low loss rubber surround ensures high resolution combined with very low and controlled distortion figures. A textile dome is used as dust cap. It is mounted on top of the voice coil former for the best sound transformation through the entire moving system. The sound is detailed and clean and has a very natural balance.

Technical data:

Characteristic sensitivity (2.83V / 1m)	: 87.5dB
Recommended frequency range	: 300 - 8000 Hz
Free air resonance frequency, f_s	: 64 Hz
DC resistance, R_e	: 5.8 Ω
Voice coil inductance, L_e	: 0.1 mH
Effective piston area, S_d	: 48 cm ²
Moving mass incl. air, m_d	: 4.1 g
Mechanical loss, R_m	: 0.6 Ns/m
Force factor, BL	: 6.0 Tm
Equivalent volume, V_{as}	: 5 ltr.
Mechanical Q-factor, Q_{ms}	: 2.7
Electrical Q-factor, Q_{es}	: 0.27
Total Q-factor, Q_{ts}	: 0.24
Excursion, lin./max.	: $\pm 1.5 / \pm 5$ mm
Voice coil diameter	: 38 mm
Rated power handling	: 100 W (12 dB/oct. cross-over at 300 Hz)
Net weight	: 1.2 kg

