

All your senses
are related



Description

18W/8546-00 is a 6" mid/woofer designed with the patented SD-1 magnet system which almost eliminates modulation and dynamic distortion and reduces clipping distortion generated as the drive unit exceeds its maximum linear excursion. Two different types of coating have been used on the Kevlar cone to obtain a perfect combination of stiffness and internal damping. The low loss linear suspension, especially the rubber surround, combines dynamic linearity with low coloration. This driver reproduces music in a very open and live way.

Technical data:

Characteristic sensitivity (2.83V / 1m)	: 88 dB
Recommended frequency range	: 22 - 4000 Hz
Free air resonance frequency, f_s	: 22 Hz
DC resistance, R_e	: 5.5 Ω
Voice coil inductance, L_e	: 0.4 mH
Effective piston area, S_e	: 145 cm ²
Moving mass incl. air, m_e	: 18.5 g
Mechanical loss, R_{ms}	: 1.5 Ns/m
Force factor, BL	: 8.0 Tm
Equivalent volume, V_{as}	: 84 ltr.
Mechanical Q-factor, Q_{ms}	: 1.7
Electrical Q-factor, Q_{es}	: 0.22
Total Q-factor, Q_{ts}	: 0.19
Excursion, lin./max.	: $\pm 6.5 / \pm 10$ mm
Voice coil diameter	: 42 mm
Rated power handling	: 100 W
Net weight	: 2.4 kg

