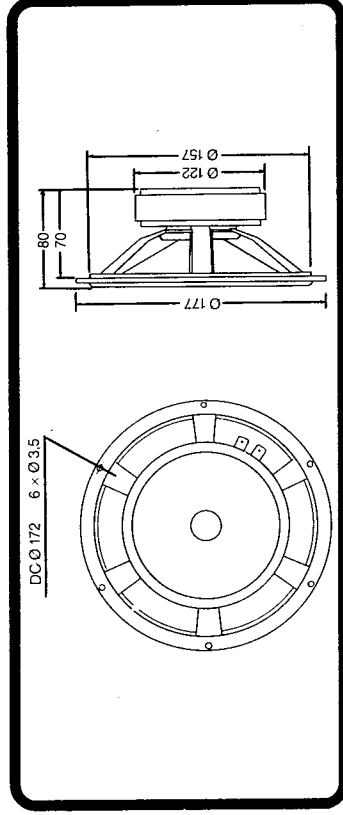
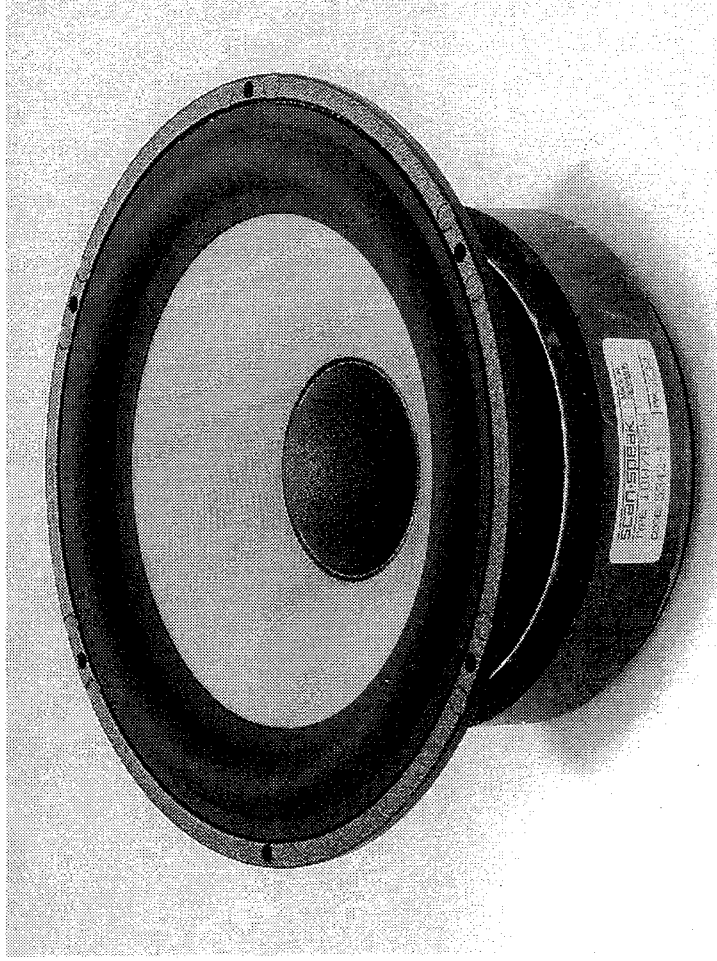


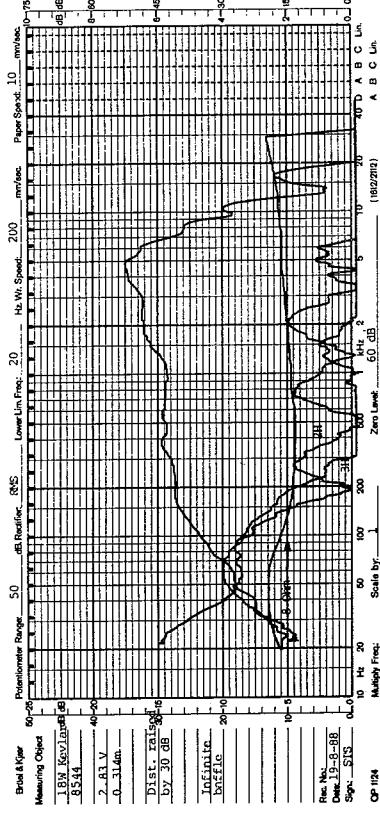
18W/8544

# Kevlar Bass Midrange Unit



### TECHNICAL DATA

Characteristic sensitivity (2,83V/1m)	89 db	Rated power handling	100 W
Recommended frequency range	29 - 5,000 Hz	V.C. diameter	42,5 mm
Free air resonance fo	29 Hz	V.C. height	19 mm
Moving mass incl. air	17 g	Air gap height	6 mm
DC resistance of V.C.	5,5 ohm	V <sub>as</sub>	50 l
V.C. inductance	0,1 mH	Q <sub>ms</sub>	1,48
Effective cone area	143 cm <sup>2</sup>	Q <sub>es</sub>	0,27
Force factor (B*L Product)	8,0 Tm	C <sub>ts</sub>	0,23
Rm	2,1 Ns/m	Recommended enclosure volume	10-20 L
Air gap flux density	1,16 T	Net weight	2,05 kg
Lin. & max. excursion	±6,5/±10 mm		



\*Thiele/Small parameters are measured dynamically in series with 0.20 ohm resistance. Frequency range and power handling capacity are dependent on cabinet construction.

### APPLICATION

This 7" bass/mid driver is an upgraded version of our 7" polypropylene driver. 18W/8544 uses a cast Kevlar cone material which reduces the distortion figures to extremely low levels. The driver delivers extremely detailed and clean reproduction, a few more »curtains« have been taken away.

The driver is intended for use in state-of-art systems only, and the design of the network should take the natural peak of the Kevlar cone into consideration. Because of the rigidity of the cone, the transient reproduction is extremely convincing even at very high sound pressure levels, and further the compression is minimized resulting in very much headroom.

### DESCRIPTION

Very powerful magnet systems with symmetric polepiece and the Symmetric Drive copper cap. Very rigid and resonance free magnesium diecast basket. Very rigid cast and hand-coated Kevlar cone joined to a resonance free rubber/PVC surround. Long-throw voice coil with aluminium wire and aluminium former. Linear spider for lowest compression and distortion. Coated textile dust cap.

Kevlar is a registered trademark of DuPont Inc.

# SCAN-SPEAK

Scan-Speak A/S  
Brogårdsvej 18  
DK-6920 Videbæk - Denmark  
Phone 97 17 36 00 - Int. + 45 97 17 36 00  
FAX 97 17 36 36

All specifications subject to change without notice.