

# Visaton DL18

## Assessment

The DL18 can, understandably, produce a far more powerful acoustic output than its tiny brother, the DL5, thanks to its 6.5" diameter. It provides full-range output above 80 Hz and attains an average sensitivity of 87.5 dB. The maximum level graph shows that its performance is only restricted by the presence of the 6 watt transformer, without which this impregnated, UV resistant speaker would doubtless produce a few more dB's. The transformer is cleverly mounted on the side of the basket rather than on the back of the magnet, as with several competitors. The result is that the fitting depth is kept to a mere 8 cm. The lively up and down motion of the curve above 3 kHz, which is common

to many of the candidates we tested, is in all probability due to reflections off the perforated cover grille. These fluctuations are, however, completely irrelevant in terms of acoustic properties because they are within such a narrow range.

Fitting of this elegantly designed and beautifully finished speaker is simple using two powerful spring-loaded "mouse-trap" clips which click firmly in place once the speaker is in situ and the springs have been released from their retainers. But mind your fingers – these springs would support far greater weights than this!

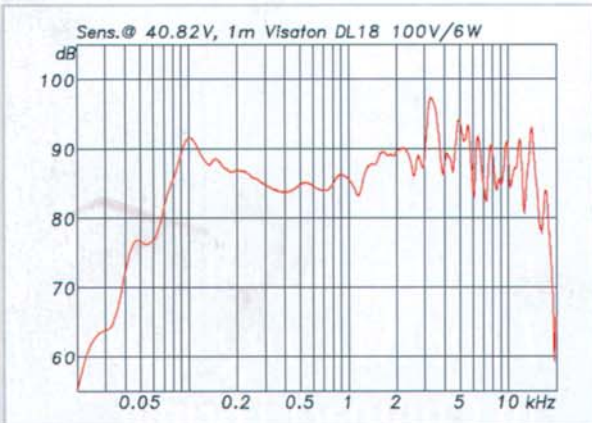
A fire-proof housing can also be supplied for the DL18 (FD18). A further manufacturer is also able to supply a surface-mounting housing for this speaker.

## Specifications

Speaker type	100 V/6 W, one way
Cut-out size	20 cm
Weight	1.15 kg
Option	fire-proof housing, surface-mounting housing
Price	approx. DM 83.50

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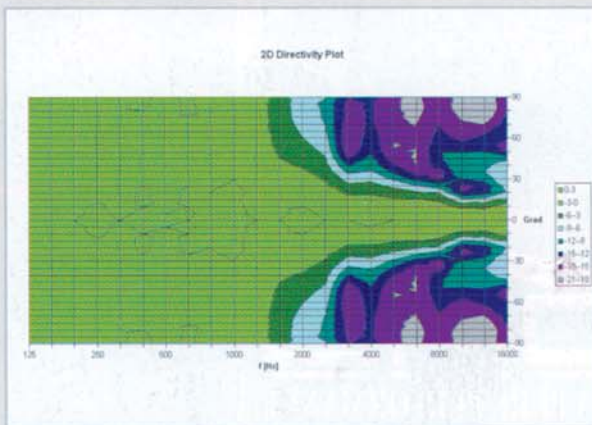
Sensitivity 100 Hz to 10 kHz 1W/1m	87.5 dB
Sensitivity 200 Hz to 3 kHz 1W/1m	86.1 dB
Frequency response 100 Hz to 10 kHz	11.3 dB
Frequency response 200 Hz to 3 kHz	9.4 dB
Max. SPL 100 Hz to 10 kHz	95.4 dB
Max. SPL 200 Hz to 3 kHz	94.1 dB
Radiation angle -6 dB (up to 10 kHz)	±15°
Radiation angle -6 dB (up to 3 kHz)	±45°



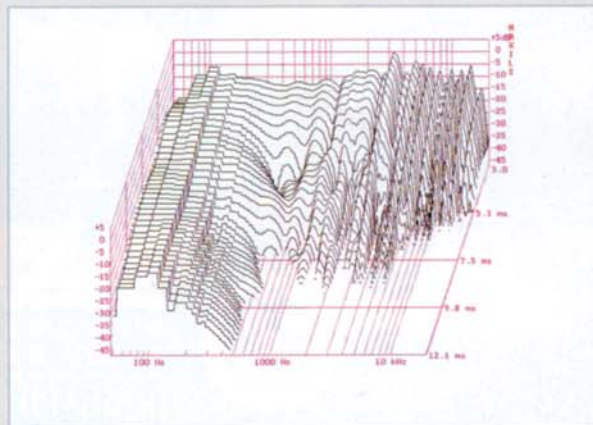
Frequency response DL18



Maximum level DL 18



Directivity DL 18



Fall-off spectrum DL 18