

Eton UG VAG 180: 18 cm woofer

# Woofers for VW & Co.



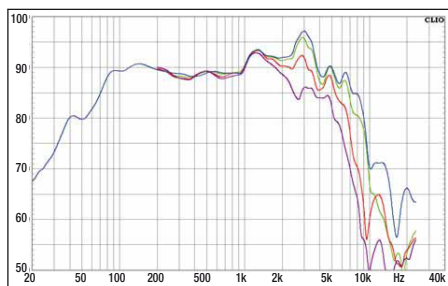
► **Compatible with many VW, Seat and Skoda models, Eton now offers the 18 cm mid/woofer VAG 180. We have just put it through the lab test.**

For some time Eton has been designing its upgrade speakers for VAG vehicles no longer as sets but as modules. This means you search for a pair of tweeters and a pair of woofers compatible with the vehicle model and you get two boxes instead of one component system. For VW & Co. these include the VW 28 T6.1 tweeters and the universal VAG 25 tweeters, plus the door speakers VAG 150 and now the VAG 180. For example, our new 18 cm unit is designed for use in the Alhambra, Octavia, Superb, Beetle, Passat and Tiguan—those models mostly manufactured from the 2000s to the 2010s. As always, we have a precisely fitting injection molded basket of fiber reinforced plastic. As is often the case from Eton, it features a paper cone, very similar to that used in the PRA series with DIN baskets. Our VAG 180 also

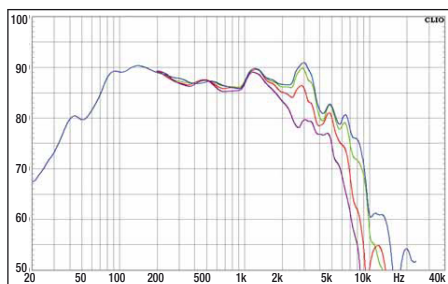
**Speaker basket and mounting ring form a single unit for the VAG 180**



features a well-dimensioned driver with 25 mm voice coil, and comes with VAG vehicle connectors and a cable crossover, which can be switched in as necessary. The lab tests show that we have



**The large 18 cm speaker doesn't however begin to noticeably peak until after 1.5 kHz—perfect behavior even for less than ideal installation situations**



**Using the crossover, consisting of a low pass filter for a 6 dB cut-off, results in a smooth roll-off at high frequencies amounting to approx. 6 dB at 2 kHz**



**The 18 cm unit is set forward so as to be flush with the door panel.**

a solid design, as is always the case from Eton. The 18 cm speaker exhibits very well balanced frequency response with or without crossover. At 85 dB the sound pressure is not particularly impressive for a large 3 ohm woofer. The distortion figures are extremely low at a civilized volume. In the mid-range these become somewhat higher, but always remain in the green zone. In return you get rich, full-bodied sound reproduction, even at low frequencies, and a decent peak SPL level.

### Summary

With the VAG 180 Eton closes a gap in the coverage of VAG vehicles, providing a well made companion for the 25 mm tweeter VAG 25.

### ► Eton UG VAG 180

Price	about 170 Euro
Distributor	ACR, CH-5330 Zurzach
Hotline	info@eton-caraudio.com
Internet	www.eton-audio.com

### ► Technical Data

Diameter	180 mm
Mounting depth	28 mm
Magnet diameter	85 mm
Cone	paper / fiberglass
Voice-coil	copper
Voice-coil former	aluminum
Magnet	ferrite
Max. cut off frequency	—
Min. cut off frequency	—
Fits in:	VW, Audi, Seat, Skoda and other
Other	6 dB inline-crossover

Nominal impedance	3 ohms
DC resistance R <sub>dc</sub>	2,76 ohms
Coil inductivity L <sub>e</sub>	0,25 mH
Coil diameter	25 mm
Cone surface S <sub>d</sub>	186 cm <sup>2</sup>
Resonance frequency F <sub>s</sub>	68,0 Hz
Mechanical quality Q <sub>ms</sub>	3,83
Electrical quality Q <sub>es</sub>	0,94
Total quality Q <sub>ts</sub>	0,75
Equivalent volume V <sub>as</sub>	15,1 l
Moving mass M <sub>ms</sub>	19,4 g
R <sub>ms</sub>	2,06 kg/s
C <sub>ms</sub>	0,31 mm/N
B*l	4,82 Tm
Sensitivity 2 V, 1 m	85dB