**APPLICATIONS**

- 1 3/16" (28 mm) soft dome tweeter ideal for 2-way systems and for 3-way combinations.
- All the advantages of the well-known DYNADAC D-28 are built in this system type with the extended dome even the aerodynamic damped double chamber. The result is slightly less efficient, but the same good resolution, wide dispersion and good imaging.
- Years of research and practice have lead to the conviction that measurements and considerations should be made on dynamic and not static basis. This is the key to further development of the principles of the most successful system, the dynamic speaker.

**FEATURES**

- Soft roll off
- Anodised damped cones
- Hexafoil technique
- Very low distortions
- High power handling
- No phase shifts
- Magnetically liquid cooled
- Wide dynamic range
- Noise compression of SPL

The STEP—FUNCTION of this tweeter shows the advantages of the extremely light weight of the moving system. The time constant is calculated here to be a function of the damping of the D-28 AF to be one of the fastest tweeters of its size. Besides this, no ringing or overshoot can be seen, thanks to the excellent damping by magnetic strength, aerodynamic construction and MAGNAFLEX magnetic fluid.

Tone bursts are the best way to obtain an accurate picture of overall acoustic performance. Regrettably they are mostly used only to test rise-time and ringing—which shows much more clearly with a step function test. With a tone burst, all moving parts of a speaker can be loaded without burning the voice coil. With a given frequency the SPL should be 30 dB higher at 1000 W input when compared with a 1 W input. The test shows the driver's ability to reproduce the transients without compression. The right picture shows that even a 1000 W input is not the limit, the dynamic response is absolutely linear. Data given in catalogues (and even test reports) normally are calculated figures and not measured values.

This compression effect is either under-rated or ignored very often. That is why many speakers do not produce SPL’s above 100 dBA, in spite of higher theoretical specifications. However this test exposes such anomalies between calculations and actual measurements.

**Parameters**

- Compliance: 0.005 cm³
- Acoustic power handling: 300 W
- Cone material: Fiberglass
- Impedance: 8 Ohms
- Frequency response: 40 Hz – 20 kHz
- Intermodulation distortion: 0.1% at 28 kHz

**Compliance**

- Compliance: 0.005 cm³
- Acoustic power handling: 300 W
- Cone material: Fiberglass
- Impedance: 8 Ohms
- Frequency response: 40 Hz – 20 kHz
- Intermodulation distortion: 0.1% at 28 kHz