DYNABO "24 W-75"

**APPLICATIONS**

- 9" (238 mm) woofer for 20 to 60 liter cabinets to be employed in sealed, aerodynamically damped, transmission line or bassreflex designs. Together with D-28 will give a very homogenous 2-way design for mobile hi-fi TV - monitors.

**FEATURES**

- Rigid all-aluminum Hexaconix technique large vi. diameter 3" shallow construction high power handling very low distortion wide dispersion pattern phase linearity vented magnet system tropic proof PHA-cone material center-magnet system very low magnetic flux leakage soft roll off at both ends.

The venting of the magnet system is not just a hole in the middle of the magnet ring but a carefully calculated opening including air brake, edge softenings and reflexion damps. It's part of the details leading to a sophisticated product. The result is evident i.e. with the step function as shown to the right. A peak impulse has been applied to the voice coil, and released. The spurious response shown on the scope is of negligible size, non-audible and non-colouring.

Tone bursts are the best way to obtain an accurate picture of overall acoustic performance. Regrettably they are mostly used only at a test rise-time and ringing - which is shown much more clearly with a step function test!

With a tone burst all the 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, if the output is linear. This test shows the driver's ability to reproduce the transients without compression. The picture to the right shows that even a 1000 W peak 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.

**Compliance**

- Subsonic: 1,25 - 10,0 m/s²
- Acoustic: 0,63 - 10,0 m/s²
- Equivalent volume: 220 cm³
- Q: 0,37
- Sensitivity: 90 dB
- Impedance: 8 Ohm
- Frequency response: 35 - 5000 Hz

**Overall dimensions**: 240 x 75 mm

**Power handling**: 120 W

**Dimensions**

- Diameter: 25 cm
- Height: 75 cm
- Weight: 920 g

**Note**: Small parameters are measured not statically but dynamically.