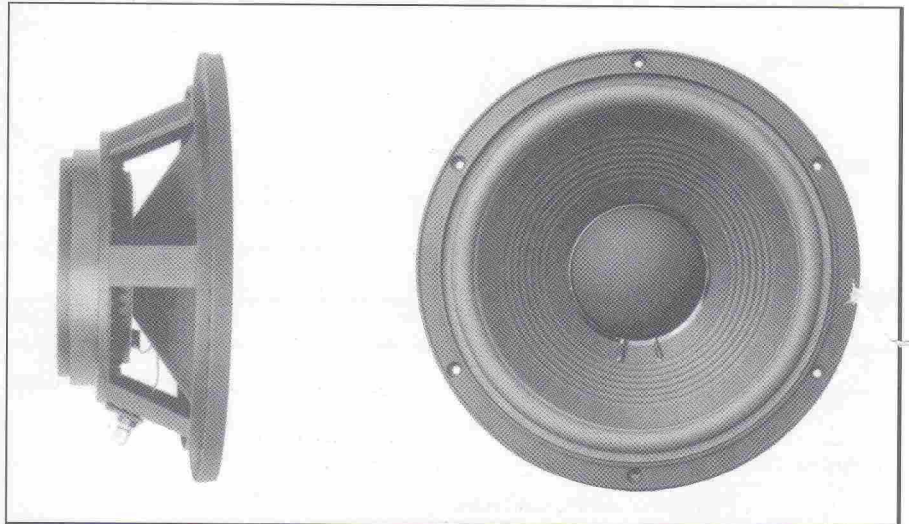


13" - PAPER CONE DRIVER - 330 mm

PROFESSIONAL LINE

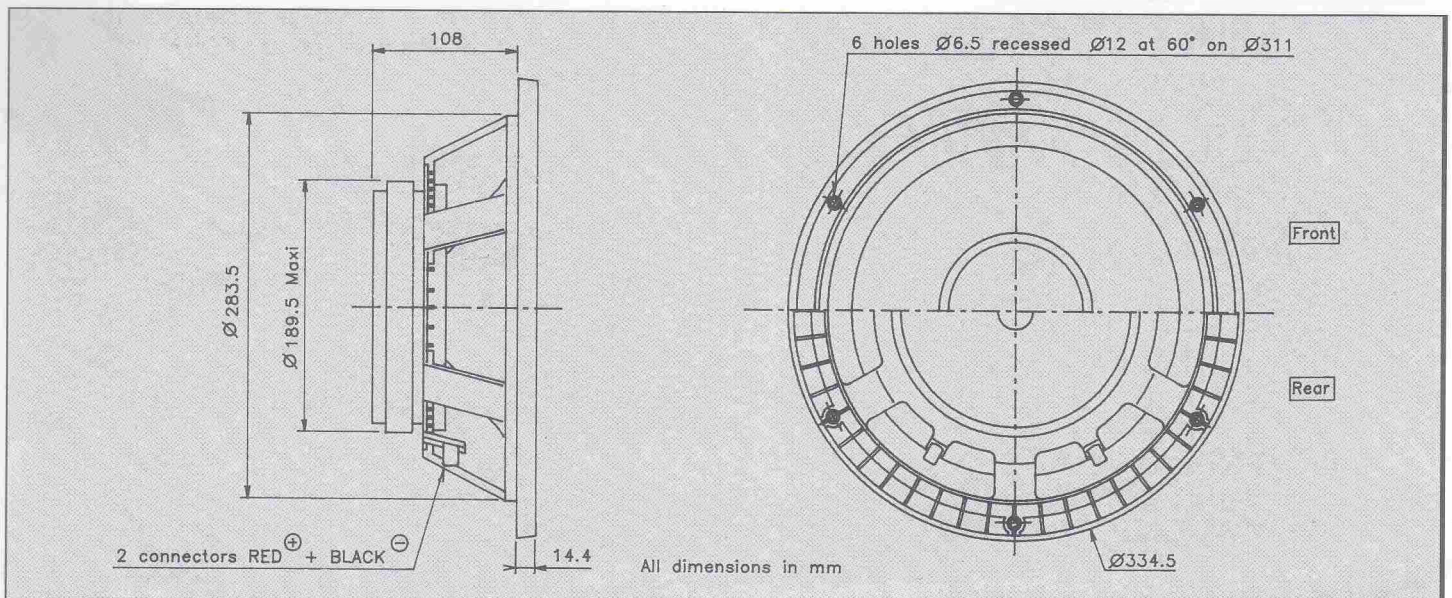
High efficiency - 98 dB - High power 150 W
 Foam suspension
 Ultra stiff die cast chassis
 Heat sink design
 Vented pole piece
 Kapton voice coil former (70 mm Ø)
 Flat copper wire
 Gold plated binding post

Haut rendement - 98 dB - Puissance élevée 150 W
 Suspension mousse
 Châssis moulé ultra-rigide
 Ailettes de refroidissement
 Noyau ventilé
 Bobine sur support Kapton (Ø 70 mm)
 Fil cuivre plat sur chant
 Bornes plaquées or



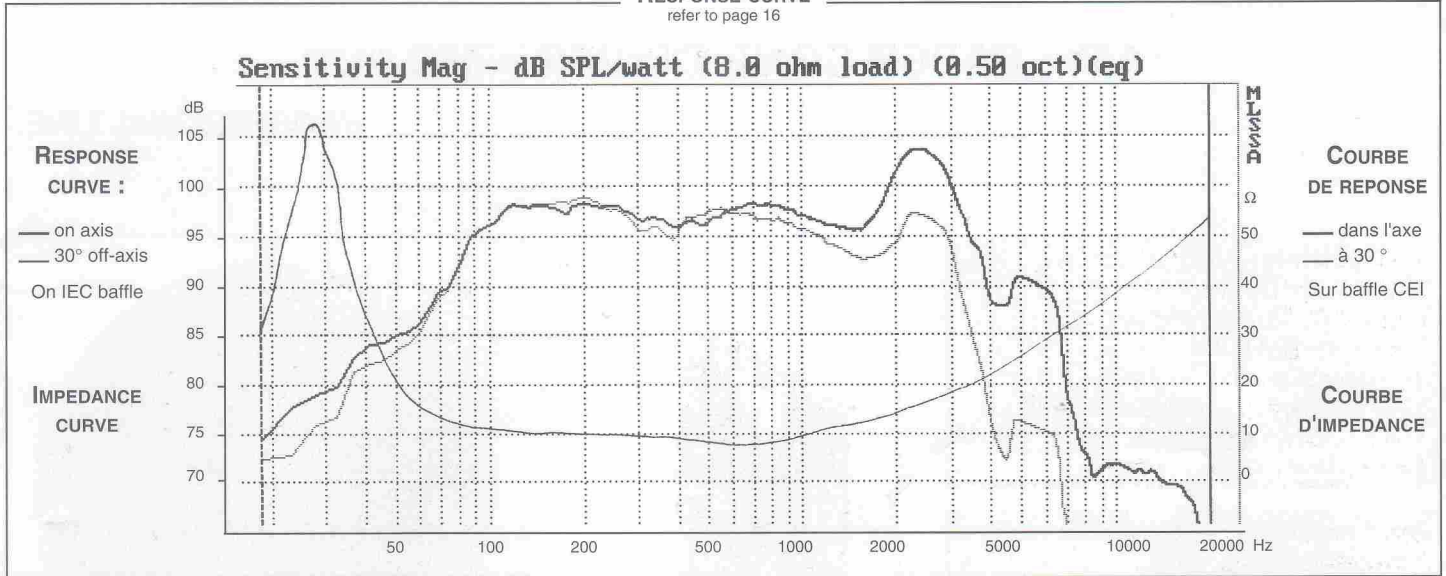
This 13" woofer offers Hi-Fi quality along with Professional characteristics. High efficiency (98 dB). Large Magnet with a Vented Pole Piece. High Heat Dissipation. Heatsink Designed Zamak Basket. The flat copper wire voice coil is wound onto a fiberglass reinforced Kapton former for exceptional power handling (150 W). Ideally suited for strong bass response down to 40 Hz using a C4 alignment. Gold plated binding posts fitted onto the Ultra stiff die cast chassis are designed to accept large diameter cables. The "suggested applications" charts indicate various driver loads. The response curves shown on the diagram indicate the predicted low end response of the driver in the suggested box volume (Vb) with suggested port (Dp-Lp).

Ce haut-parleur de 330 mm combine qualité de son Haute Fidélité et caractéristiques professionnelles. Son très haut rendement (98 dB) résulte de l'association d'un large système magnétique (180 mm) associé à une bobine sur support Kapton renforcé fibre de verre en fil de cuivre plat sur chant. Particulièrement destiné à des systèmes reflex accordés, le grave est reproduit sans distorsion jusqu'à 40 Hz avec un alignement de type C4. Son châssis ultra rigide à ailettes de refroidissement pour une dissipation optimale de la chaleur est équipé de borniers plaqués or permettant l'utilisation de câbles de forte section. Le tableau "Suggested applications" indique différents types de charge. Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Dp-Lp).



RESPONSE CURVE

refer to page 16



SPECIFICATIONS

| Technical Characteristics | Symbol | Value | Units |
|---------------------------|--------|-------|-------|
|---------------------------|--------|-------|-------|

PRIMARY APPLICATION

| | | | |
|------------------------|----|-----|----|
| Nominal Impedance | Z | 8 | Ω |
| Resonance Frequency | Fs | 28 | Hz |
| Nominal Power Handling | P | 150 | W |
| Sensitivity | E | 98 | dB |

VOICE COIL

| | | | |
|-----------------------|------|--------|----|
| Voice coil diameter | ∅ | 70 | mm |
| Minimum Impedance | Zmin | 6,3 | Ω |
| DC Resistance | Re | 5,8 | Ω |
| Voice Coil Inductance | Lbm | 0,38 | mH |
| Voice coil Length | h | 15 | mm |
| Former | - | Kapton | - |
| Number of layers | n | 1 | - |

MAGNET

| | | | |
|------------------------|-------|----------|------------------|
| Magnet dimensions | ∅ x h | 184 x 20 | mm |
| Magnet weight | m | 1,91 | kg |
| Flux density | B | 1,2 | T |
| Force factor | BL | 13,5 | NA ⁻¹ |
| Height of magnetic gap | He | 7 | mm |
| Stray flux | Fmag | - | Am ⁻¹ |
| Linear excursion | Xmax | ±4 | mm |

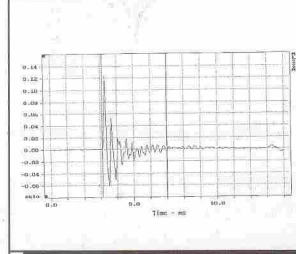
PARAMETERS

| | | | |
|---------------------------------|-----|-----------------------|--------------------|
| Suspension Compliance | Cms | 0,65.10 ⁻³ | mN ⁻¹ |
| Mechanical Q Factor | Qms | 6,69 | - |
| Electrical Q Factor | Qes | 0,28 | - |
| Total Q Factor | Qts | 0,27 | - |
| Mechanical Resistance | Rms | 1,34 | kg s ⁻¹ |
| Moving Mass | Mms | 52.10 ⁻³ | kg |
| Effective Piston Area | S | 5,38.10 ⁻² | m ² |
| Volume Equivalent of Air at Cas | Vas | 264.10 ⁻³ | m ³ |
| Mass of speaker | M | 8 | kg |

APPLICATION PARAMETERS

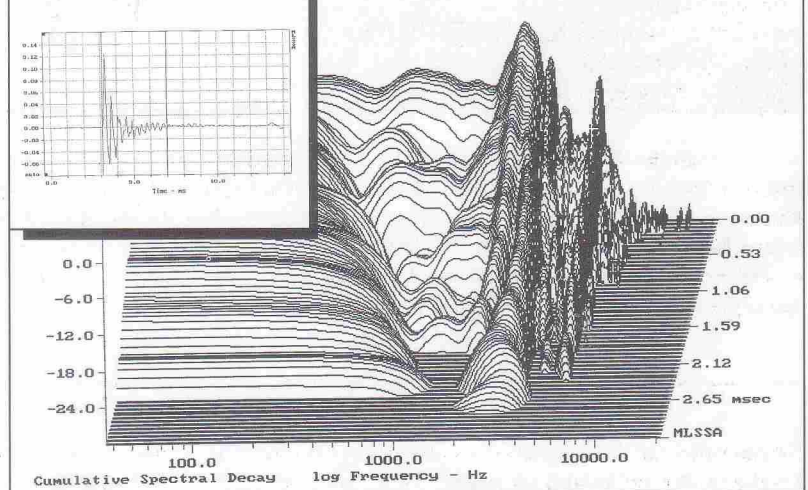
| | | |
|----|------------------|-----------------|
| Vb | Box volume | dm ³ |
| Fb | Tuning frequency | Hz |
| Dp | Port diameter | cm |
| Lp | Port length | cm |

IMPULSE RESPONSE



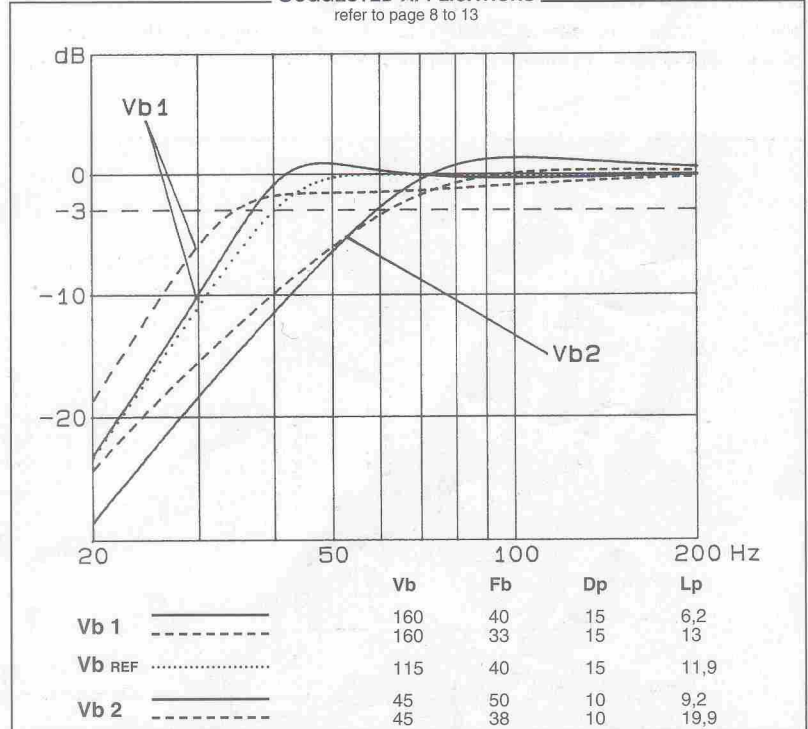
WATERFALL

refer to page 16



SUGGESTED APPLICATIONS

refer to page 8 to 13



Please refer to method of measurement and measurement conditions pages 15 to 19.

Audax may, without prior notification modify the specifications on its products further to research and development requirements.