

8" - PAPER CONE DRIVER - 210 mm

CLASSIC SERIES

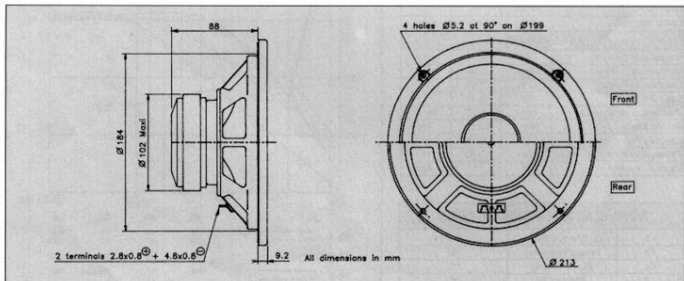
Extended bass response (Fs : 36 Hz)
 Paper cone
 Foam suspension
 Long excursion
 High temperature voice coil - 37 mm
 High efficiency (92 dB)
 Stamped steel chassis

Réponse étendue dans le grave (Fs : 36 Hz)
 Cône papier
 Suspension mousse
 Grande excursion
 Bobine haute température - 37 mm
 Haut rendement (92 dB)
 Châssis acier embouti



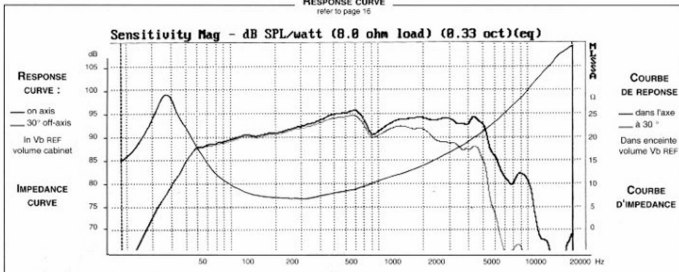
The paper cone foam surround of this 8" bass midrange offers a combination of extended frequency response, low resonance and high sensitivity. Ideally suited for 2-way and 3-way systems, the high temperature 11/2" voice coil ensures superior power handling capacity. The thiele and small parameters make this driver ideally suited for bass-reflex application (FS/QTS : 100). The "Suggested applications" charts indicate various driver loads, including the box alignment used to measure the response curve (Vb REF). 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).

Equipé d'un cône en papier et d'une suspension mousse, ce haut-parleur de 210 mm est idéal pour une enceinte 2 voies ou 3 voies de qualité et de bon rendement. Sa bobine haute température de 37 mm sur support aluminium lui confère une excellente tenue en puissance. Ses paramètres le destinent particulièrement à l'utilisation en bass-reflex (FS/QTS : 100). Le tableau "Suggested applications" indique différents types de charge dont celui utilisé pour la mesure de la courbe de réponse (Vb REF). Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Vp-Lp).



RESPONSE CURVE

refer to page 15


SPECIFICATIONS

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

PRIMARY APPLICATION

| | | | |
|------------------------|----|----|----------|
| Nominal Impedance | Z | 8 | Ω |
| Resonance Frequency | Fs | 36 | Hz |
| Nominal Power Handling | P | 80 | W |
| Sensitivity | E | 92 | dB |

VOICE COIL

| | | | |
|-----------------------|------|-----------|----------|
| Voice coil diameter | O | 37 | mm |
| Minimum Impedance | Zmin | 7,7 | Ω |
| DC Resistance | Re | 6,3 | Ω |
| Voice Coil Inductance | Lbm | 0,51 | mH |
| Voice coil Length | h | 15 | mm |
| Former | - | Aluminium | - |
| Number of layers | n | 2 | - |

MAGNET

| | | | |
|------------------------|-------|----------|-----------------|
| Magnet dimensions | O x h | 100 x 18 | mm |
| Magnet weight | m | 0,55 | kg |
| Flux density | B | 1 | T |
| Force factor | BL | 6,9 | NA ¹ |
| Height of magnetic gap | He | 6 | mm |
| Stray flux | Fmag | - | Am ¹ |
| Linear excursion | Xmax | ±4,5 | mm |

PARAMETERS

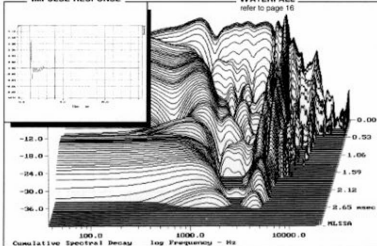
| | | | |
|---------------------------------|-----|------------------------|--------------------|
| Suspension Compliance | Cms | 1,3 · 10 ³ | mN |
| Mechanical Q Factor | Cms | 1,70 | - |
| Electrical Q Factor | Qes | 0,44 | - |
| Total Q Factor | Qts | 0,35 | - |
| Mechanical Resistance | Rms | 2 | kg s ⁻¹ |
| Moving Mass | Mms | 15 · 10 ⁻³ | kg |
| Effective Piston Area | S | 2,52 · 10 ² | m ² |
| Volume Equivalent of Air at Cas | Vas | 103 · 10 ³ | m ³ |
| Mass of speaker | M | 1,75 | kg |

APPLICATION PARAMETERS

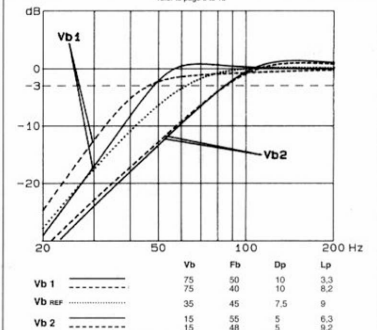
| | | |
|----|------------------|-----------------|
| Vb | Box volume | dm ³ |
| Fb | Tuning frequency | Hz |
| Dp | Port diameter | cm |
| Lp | Port length | cm |

IMPULSE RESPONSE
WATERFALL

refer to page 16


SUGGESTED APPLICATIONS

refer to page 6 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.