

**6<sup>1/2</sup>" - PAPER CONE DRIVER - 170 mm****CLASSIC SERIES**

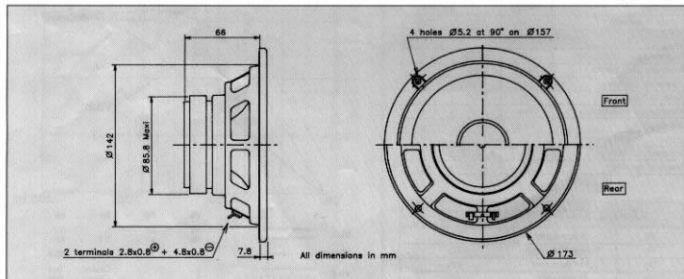
Extended bass response (Fs : 50 Hz)  
 Paper cone  
 Foam suspension  
 Long excursion  
 High temperature voice coil  
 Stamped steel chassis

Réponse étendue dans le grave (Fs : 50 Hz)  
 Cône papier  
 Suspension mousse  
 Grande excursion  
 Bobine haute température  
 Châssis acier embouti



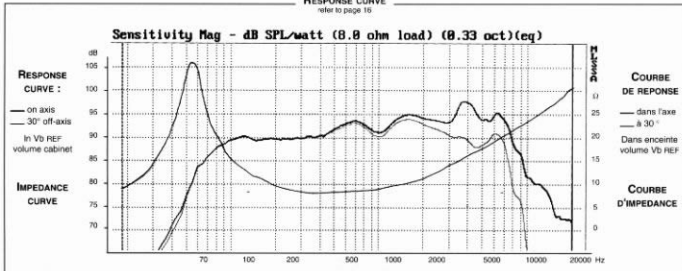
The paper cone foam surround 6<sup>1/2</sup>" bass midrange offers a combination of extended frequency response, low resonance and high sensitivity. Ideally suited for 2-way bookshelf systems. The high temperature 1" voice coil ensures excellent power handling capacity. The "Suggested applications" charts indicate various driver loads, included 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).

Équipé d'un cône en papier et d'une suspension mousse, ce haut-parleur de 170 mm est idéal pour une enceinte 2 voies de qualité et de bon rendement. Sa bobine haute température sur support aluminium lui confère une bonne tenue en puissance. 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

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### SPECIFICATIONS

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

#### PRIMARY APPLICATION

|                        |    |    |          |
|------------------------|----|----|----------|
| Nominal Impedance      | Z  | 8  | $\Omega$ |
| Resonance Frequency    | Fs | 50 | Hz       |
| Nominal Power Handling | P  | 50 | W        |
| Sensitivity            | E  | 90 | dB       |

#### VOICE COIL

|                       |        |           |          |
|-----------------------|--------|-----------|----------|
| Voice coil diameter   | $\phi$ | 25        | mm       |
| Minimum Impedance     | Zmin   | 7.7       | $\Omega$ |
| DC Resistance         | Re     | 6.8       | $\Omega$ |
| Voice Coil Inductance | Lbm    | 0.08      | mH       |
| Voice coil Length     | h      | 11        | mm       |
| Former                | -      | Aluminium | -        |
| Number of layers      | n      | 2         | -        |

#### MAGNET

|                        |                 |         |                  |
|------------------------|-----------------|---------|------------------|
| Magnet dimensions      | $\phi \times h$ | 84 x 15 | mm               |
| Magnet weight          | m               | 0.35    | kg               |
| Flux density           | B               | 1.1     | T                |
| Force factor           | BL              | 5.8     | NA <sup>-1</sup> |
| Height of magnetic gap | He              | 5       | mm               |
| Stray flux             | Fmag            | -       | Am <sup>-1</sup> |
| Linear excursion       | Xmax            | $\pm 3$ | mm               |

#### PARAMETERS

|                                 |     |                      |                    |
|---------------------------------|-----|----------------------|--------------------|
| Suspension Compliance           | Cms | $1.24 \cdot 10^{-3}$ | mN <sup>-1</sup>   |
| Mechanical Q Factor             | Qms | 2.46                 | -                  |
| Electrical Q Factor             | Qes | 0.52                 | -                  |
| Total Q Factor                  | Qts | 0.43                 | -                  |
| Mechanical Resistance           | Rms | 1.06                 | kg s <sup>-1</sup> |
| Moving Mass                     | Mms | $8.3 \cdot 10^{-3}$  | kg                 |
| Effective Piston Area           | S   | $1.4 \cdot 10^{-3}$  | m <sup>2</sup>     |
| Volume Equivalent of Air at Cas | Vas | $34.7 \cdot 10^{-3}$ | m <sup>3</sup>     |
| Mass of speaker                 | M   | 0.95                 | kg                 |

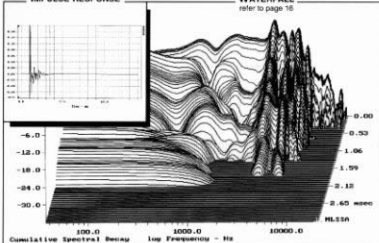
### APPLICATION PARAMETERS

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

### IMPULSE RESPONSE

### WATERFALL

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### SUGGESTED APPLICATIONS

refer to page 8 to 13

