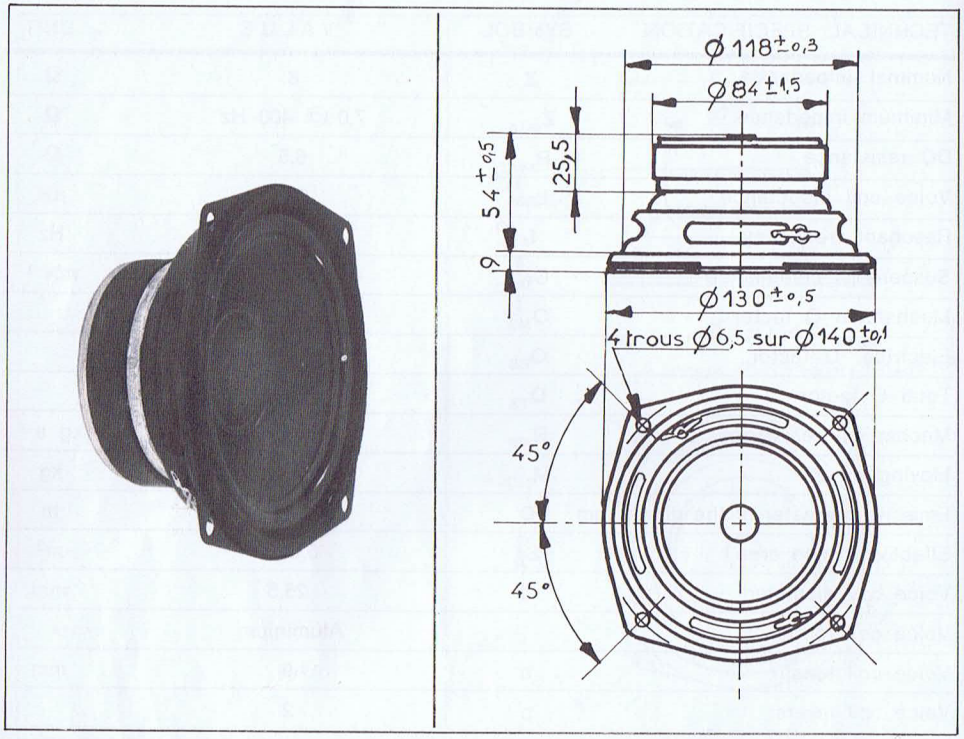
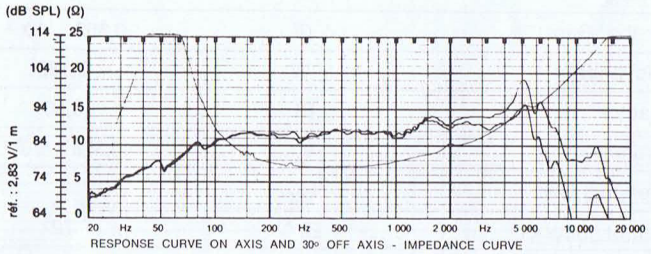
# HIF 13 JSC

## 13 cm - 5”

BASS MIDRANGE

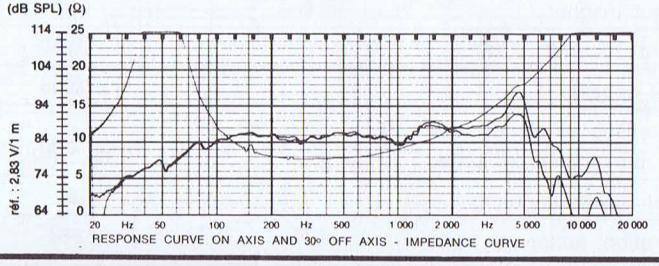



**2 CA 9**




Variable voice coil

**2 CA 12**






Rubber edge variant of HIF 13 J.
Also available with cosmetic ring. Reference:
HIF 13 JSC.

HIF 13 JSC

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| TECHNICAL SPECIFICATION | SYMBOL | VALUE | | UNIT |
|---|---|---|---|---|
| Nominal impedance | | **2 CA 9** | **2 CA 12** | |
| Minimum impedance | Z | 8 | | Ω |
| DC resistance | $Z_{min}$ | 7,0 @ 350 Hz | 7,8 @ 300 Hz | Ω |
| Voice coil inductance | $R_{scc}$ | 6,5 | 6,6 | Ω |
| Resonant frequency | $L_{BM}$ | 520 | 750 | µH |
| Suspension compliance | $f_s$ | 46,5 ± 6 | 44,3 ± 6 | Hz |
| Mechanical Q factor | $C_{MS}$ | $1,42 \cdot 10^{-3}$ | | $mN^{-1}$ |
| Electrical Q factor | $Q_{MS}$ | 1,94 | 1,86 | |
| Total Q factor | $Q_{ES}$ | 0,34 | 0,36 | |
| Mechanical resistance | $Q_{TS}$ | 0,29 | 0,30 | |
| Moving mass | $R_{MS}$ | 1,22 | 1,36 | $kg\ s^{-1}$ |
| Emissive diameter of the diaphragm | $M_{MD}$ | $8,25 \cdot 10^{-3}$ | $9,1 \cdot 10^{-3}$ | kg |
| Effective piston area | Ɗ | 0,108 | | m |
| Voice coil diameter | $S_D$ | 0,0091 | | $m^2$ |
| Voice coil former | d | 25,5 | | mm |
| Voice coil length | | Aluminium | | |
| Voice coil layers | h | 9 | 12 | mm |
| Flux density | n | 2 | | |
| Flux in the Gap | B | 1,28 | | T |
| Magnetic energy | Ø | $0,512 \cdot 10^{-3}$ | | Wb |
| Force factor | W | 0,310 | | Ws |
| Gap volume | BL | 7,00 | | $NA^{-1}$ |
| Height of the Gap | $V_E$ | $0,473 \cdot 10^{-6}$ | | $m^3$ |
| Diameter of magnet | $H_E$ | 5 | | mm |
| Height of magnet | Ø A | 84 | | mm |
| Weight of magnet | B | 15 | | mm |
| Mass of speaker | | 0,348 | | kg |
| Characteristic efficiency level : | | 0,91 | | kg |
| 1 W, pink noise, weighted | η | 88 (W) | 86,2 (W) | dB SPL |
| Nominal power handling | | 30 | 30 | W |
| Acceleration factor | Γ | 848 | 769 | $ms^{-2}\ A^{-1}$ |