ideato,
progettato,
ingegnerizzato
in Italia

THESIS

# TH 1.5 II
## Violino

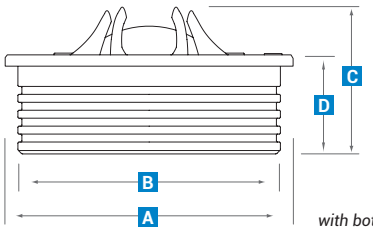

eid PROGRAM

| TECHNICAL SPECIFICATIONS | | |
|---|---|---|
| **Component** | | Tweeter |
| **Tweeter diaphragm** | mm (in.) | 38 (1.5) |
| **Voice Coil Ø** | | 34 (1.34) |
| **Power Handling** | W peak | 200 (Hi-Pass filtered @ 1,8kHz - 12 dB Oct.) |
| **Impedance** | Ω | 6 |
| **Frequency Response** | Hz | 800 ÷ 26k |
| **Magnet size D x d x h** | mm (in.) | 60 x 36 x 5 (2.36 x 1.42 x 0.2) |
| **Weight of one speaker** | kg (lb.) | 0.355 (0.78) |
| **Magnet** | | Neodymium |
| **Dome/Cone** | | Tetolon |

| ELECTRO-ACOUSTIC PARAMETERS | | | |
|---|---|---|---|
| | | Bottom case | Bottom disk |
| **D** | mm | 38 | 38 |
| **Re** | Ω | 6,1 | 6,1 |
| **Fs** | Hz | 780 | 980 |
| **Le** | mH | 0,025 | 0,025 |
| **Vas** | l | 0,019 | 0,013 |
| **Mms** | g | 0,43 | 0,43 |
| **Cms** | mm/N | 0,09 | 0,062 |
| **BL** | T•m | 3,32 | 3,44 |
| **Qts** | | 0,83 | 0,97 |
| **Qes** | | 1,2 | 1,3 |
| **Qms** | | 2,9 | 3,5 |
| **Spl** | dB | 92,5 | 93 |

From R&D to final product
KLIPPEL since 2005

1. 34 mm CCAW single layer voice coil combining light weight, stability at lower frequencies and total absence of musical transients compression.
2. Extremely powerful custom N38 "H-grade" Neodymium magnet providing 1.67 T•m in the magnetic gap for superb dynamic response and very low distortion in the whole frequency range.
3. Exclusive air-loading system resulting in a resonance frequency below 800 Hz, for filter set-up starting as low as 1.5 kHz - 12dB/Oct.
4. 38 mm natural silk dome optimized with extensive material characterization, laser vibrometer scanning and Finite Element Analysis methods for a smooth and extended response.
5. Frequency response up to 26 kHz optimized for off-axis installation.
6. TH 1.5 II Violino Tuning System featuring two types of electro-acoustic load: bottom case or bottom disk according to targets of highest performance as well as flexibility of in-car integration.
7. Full solid metal construction structure with each part exclusively designed and produced for the Audison TH 1.5 II.
8. FEM (Finite Element Method) optimized faceplate and front spokes for an improved dispersion pattern.
9. eID technology providing TH 1.5 II traceability starting from the manufacturing stage up to the owner.




*with bottom case*

| | | |
|---|---|---|
| A | 71,8 mm | 2.83 in. |
| B | 66 mm | 2.6 in. |
| C | 37,4 mm | 1.47 in. |
| D | 22,4 mm | 0.88 in. |

All specifications subject to change without notice_17.A

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audison