HDS 134
134 WR 26 90 SD AL CU PH 8 ohm - Order ID: 850489

A High End mid-woofer with rigid aerodynamic cast aluminium basket profile, and ventilated spider. The phaseplug eliminates compression under the dust cap and serves as heat sink for the coil to reduce power compression. The three or five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range, creating a more "musical" driver. The doublebonded dustcap ensures that the dustcap will respond to every coil movement in a way never seen before. Another feature of the driver is its very low distortion magnet system with aluminium shortening ring and copper capped pole piece which both contribute as heatsinks for the voice coil, reducing power compression.

HDS 134
Thiele Small parameters:
Nominal impedance Zn (ohm) Free air 8
Minimum impedance Zmin (ohm/Hz) 8.6635
Maximum impedance Zmax (ohm) 42.9
DC resistance Re (ohm) 5.8
Voice coil inductance Le (mH) 1.0
Capacitor in series with 8 ohm Cc (μF) 8
(For impedance compensation)
Resonance Frequency fs (Hz) 53.2
Mechanical Q factor Qms Free air 2.83
Electrical Q factor Qes Free air 2.88
Total Q factor Qts Free air 0.45
F (Ratio Hs/QL) F (Hz) 0.38
0.39
Mechanical resistance Rms (kg/s) 133
Moving mass Mms (g) 10.4
Suspension compliance Cms (mm/N) 1.23
Effective cone diameter D (cm) 10.8
Effective piston area Sd (cm²) 0.86
Equivalent volume VAS (ltrs) 105
Force factor Br (N/A) 86
Reference voltage sensitivity Re 2.83V 1m at 335 Hz (Measured) 6.8
87.9

Magnet and voice coil parameters:
Voice coil diameter d (mm) 26
Voice coil length h (mm) 4
Voice coil layers n 13
Flux density in gap B (T) 2
Total useful flux (mWb) -
Height of the gap hg (mm) 6
Diameter of magnet dm (mm) 90
Height of magnet hm (mm) 15
Weight of magnet - 0.4

Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM)