



Woofer XW-165-1394

Paper cone woofer with spiral coating designed for use in HiFi applications. The speaker's tightly cut basket makes a convenient fit even in slim baffles.

ACOUSTICAL DATA

| | | |
|---|-----------|-----|
| Rated noise power ¹⁾ | 60 | W |
| Short term maximum power ²⁾ | 100 | W |
| Rated impedance | 4 | Ohm |
| Resonance frequency F_s ⁴⁾ | 44.000 | Hz |
| Rated frequency range | 50 - 4000 | Hz |
| Sensitivity ³⁾ | 86 | dB |

TS PARAMETERS

| | | |
|---|----------|-----------------|
| Acquired by MLSSA | D-0-10 | |
| Effective piston area S_d | 134.780 | cm ² |
| DC resistance of voice coil R_e | 3.423 | Ohm |
| Mechanical Q factor Q_{ms} | 4.288 | |
| Electrical Q factor Q_{es} | 0.541 | |
| Total Q factor Q_{ts} | 0.481 | |
| Voice coil inductance L_e | 0.329 | |
| Equivalent volume V_{as} | 28.239 | l |
| Moving mass (including air load) M_{ms} | 11.360 | g |
| Suspension compliance C_{ms} | 1106.789 | uM/Newton |
| Force factor Bl | 4.502 | Tm |
| Maximum linear displacement X_{max} ⁵⁾ | 7 | mm |

MECHANICAL DATA

| | | |
|---------------------------------------|-----------|----|
| Voice coil carrier material | aluminium | |
| Voice coil diameter | 26.3 | mm |
| Winding height of voice coil | 12 | mm |
| Yoke diameter | 25 | mm |
| Air gap height | 5 | mm |
| Magnet external diameter | 82 | mm |
| Magnet internal diameter | 32 | mm |
| Magnet height | 17 | mm |
| Compensating magnet external diameter | - | mm |
| Compensating magnet internal diameter | - | mm |
| Compensating magnet height | - | mm |
| Weight | 0.9 | kg |

1) DIN IEC 268-5, closed box 20 dm³

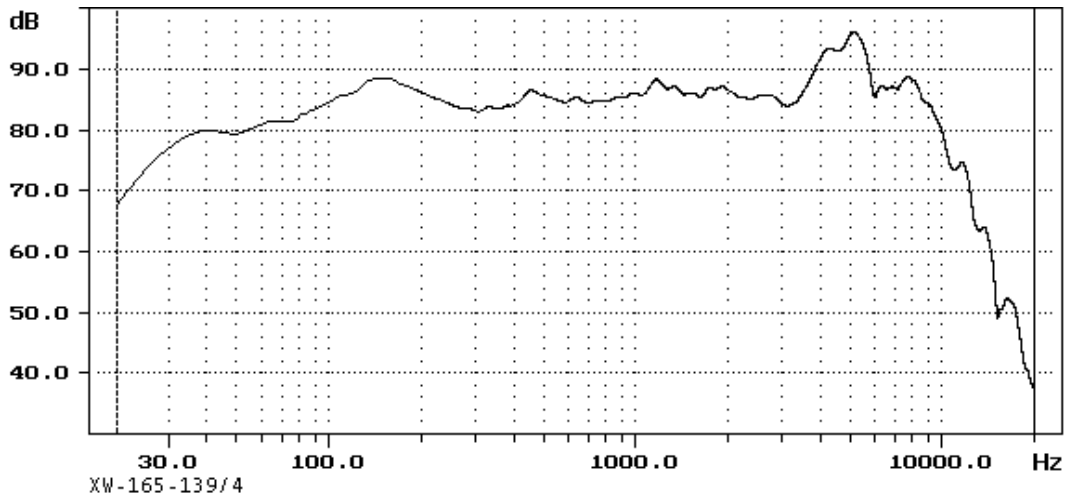
2) CSN IEC 268-5, closed box 20 dm³

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 200 - 3000 Hz

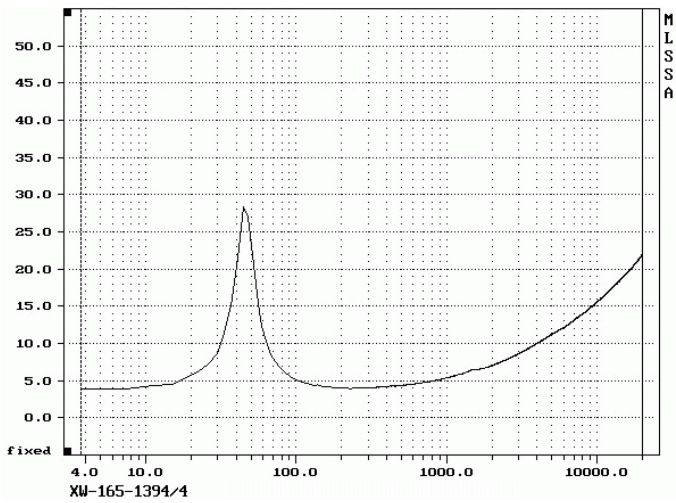
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

