



Woofer

ARN-100-60/8

Woofer with shielded magnetic circuit for use mainly in loudspeaker systems which are expected to be operated near TV sets or monitors.

ACOUSTICAL DATA

Rated noise power ¹⁾	25 W
Short term maximum power ²⁾	50 W
Rated impedance	8 Ohm
Resonance frequency F_s ⁴⁾	71.113 Hz
Rated frequency range	100 - 6000 Hz
Sensitivity ³⁾	84 dB

TS PARAMETERS

Acquired by MLSSA 10.0.D	
Effective piston area S_d	46.570 cm ²
DC resistance of voice coil R_e	7.452 Ohm
Mechanical Q factor Q_{ms}	1.966
Electrical Q factor Q_{es}	0.927
Total Q factor Q_{ts}	0.630
Voice coil inductance L_e	0.21
Equivalent volume V_{as}	5.052 l
Moving mass (including air load) M_{ms}	3.020 g
Suspension compliance C_{ms}	1658.825 μ M/Newton
Force factor Bl	3.294 Tm
Maximum linear displacement X_{max} ⁵⁾	0.5 mm

MECHANICAL DATA

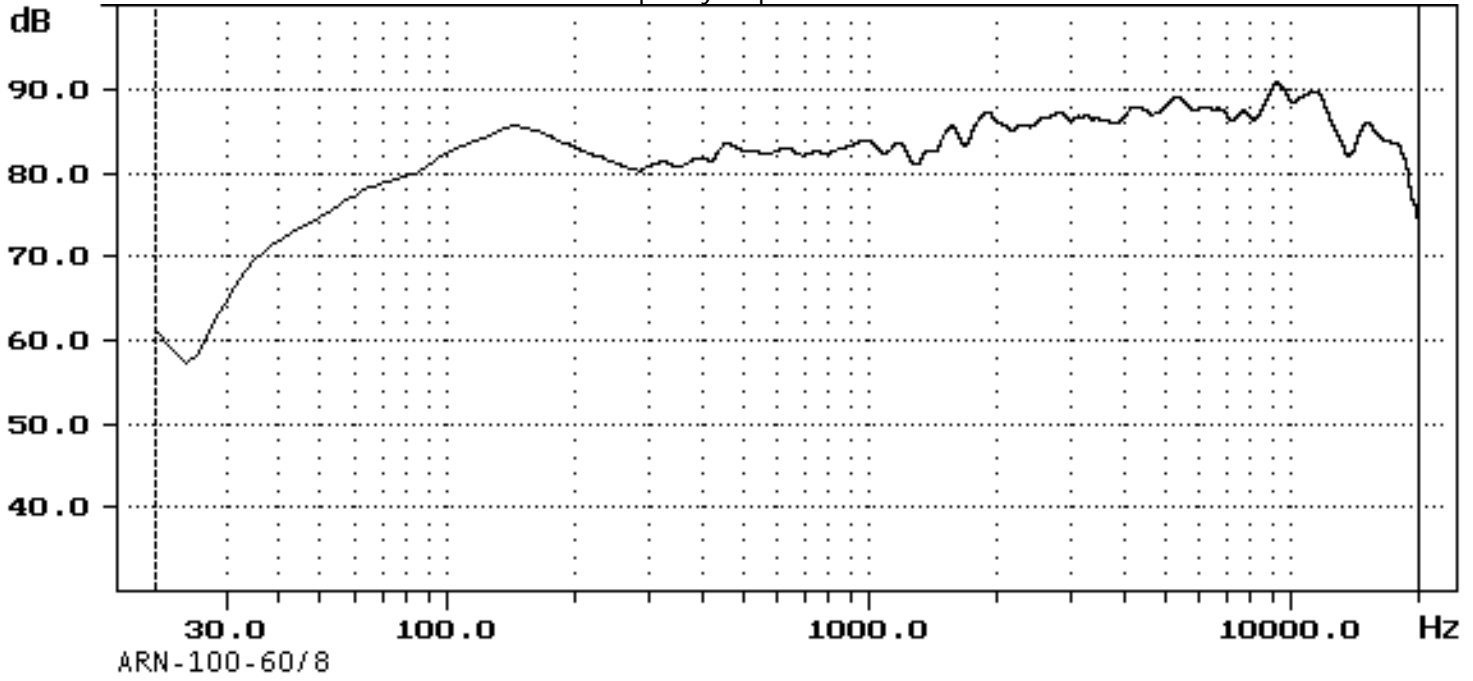
Voice coil carrier material	aluminium
Voice coil diameter	18.4 mm
Winding height of voice coil	4.5 mm
Yoke diameter	18 mm
Air gap height	4 mm
Magnet external diameter	55 mm
Magnet internal diameter	24 mm
Magnet height	14 mm
Compensating magnet external diameter	55 mm
Compensating magnet internal diameter	24 mm
Compensating magnet height	8.1 mm
Weight	0.6 kg

TEST CONDITIONS

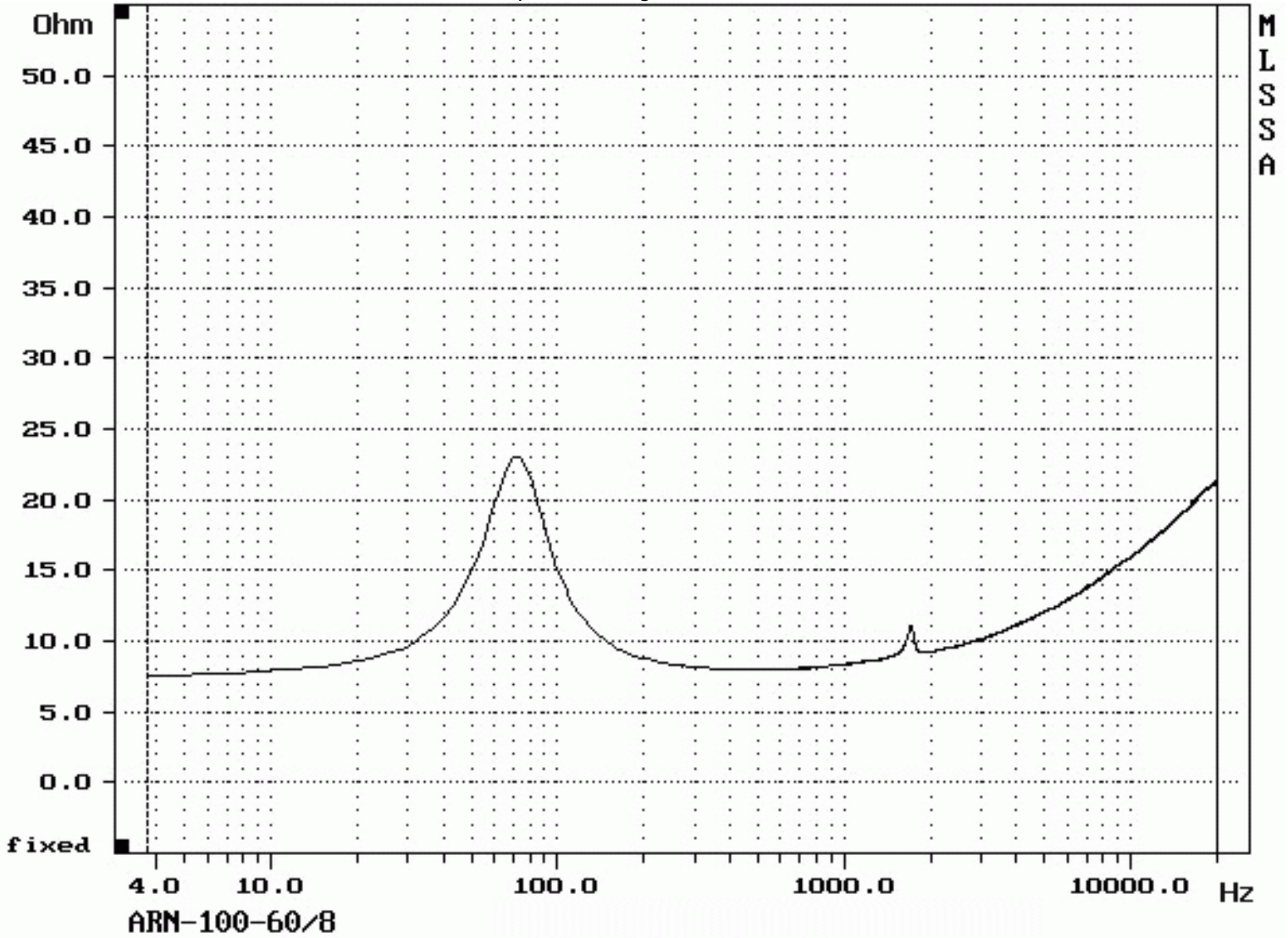
Sweep voltage	4.2 V
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- 1) DIN IEC 268-5, closed box 2,5 dm³, intermittent signal, 1 minute work, 2 minute pause, 300 hours.
- 2) CSN IEC 268-5, closed box 2,5 dm³
- 3) CSN IEC 268-5, standard baffle. 1W, 1 m, 100 - 6000 Hz
- 4) ±10 Hz
- 5) Peak - peak

Frequency response



Impedance Magnitude - Ohms



Drawing

