



Woofer

ARN-150-73/8

A direct - radiator electrodynamic loudspeaker with the shielded magnetic circuit to radiate the lower and medium frequencies mainly in loudspeaker systems which are expected to be operated near TV sets or monitors.

ACOUSTICAL DATA

Rated noise power ¹⁾	50 W
Short term maximum power ²⁾	100 W
Rated impedance	8 Ohm
Resonance frequency F_s ⁴⁾	50.960 Hz
Rated frequency range	80 - 5000 Hz
Sensitivity ³⁾	84 dB

TS PARAMETERS

Acquired by MLSSA 10.0.D	
Effective piston area S_d	72.380 cm ²
DC resistance of voice coil R_e	7.773 Ohm
Mechanical Q factor Q_{ms}	2.121
Electrical Q factor Q_{es}	0.571
Total Q factor Q_{ts}	0.450
Voice coil inductance L_e	0.559
Equivalent volume V_{as}	8.558 l
Moving mass (including air load) M_{ms}	8.387 g
Suspension compliance C_{ms}	1163.029 μ m/Newton
Force factor Bl	6.048 Tm
Maximum linear displacement X_{max} ⁵⁾	8.5 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	72 mm
Magnet internal diameter	32 mm
Magnet height	15 mm
Compensating magnet external diameter	72 mm
Compensating magnet internal diameter	32 mm
Compensating magnet height	10 mm
Weight	0.8 kg

TEST CONDITIONS

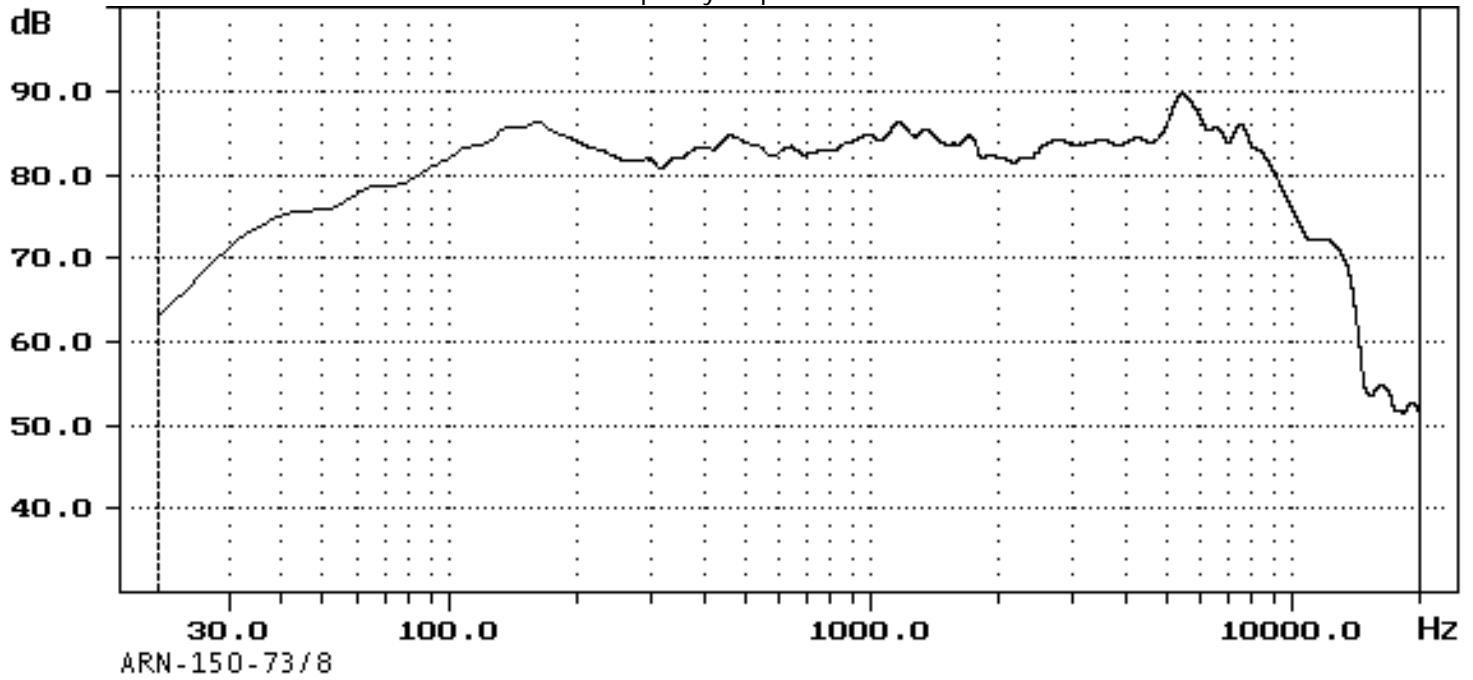
Sweep voltage	6.3 V
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Frequency range

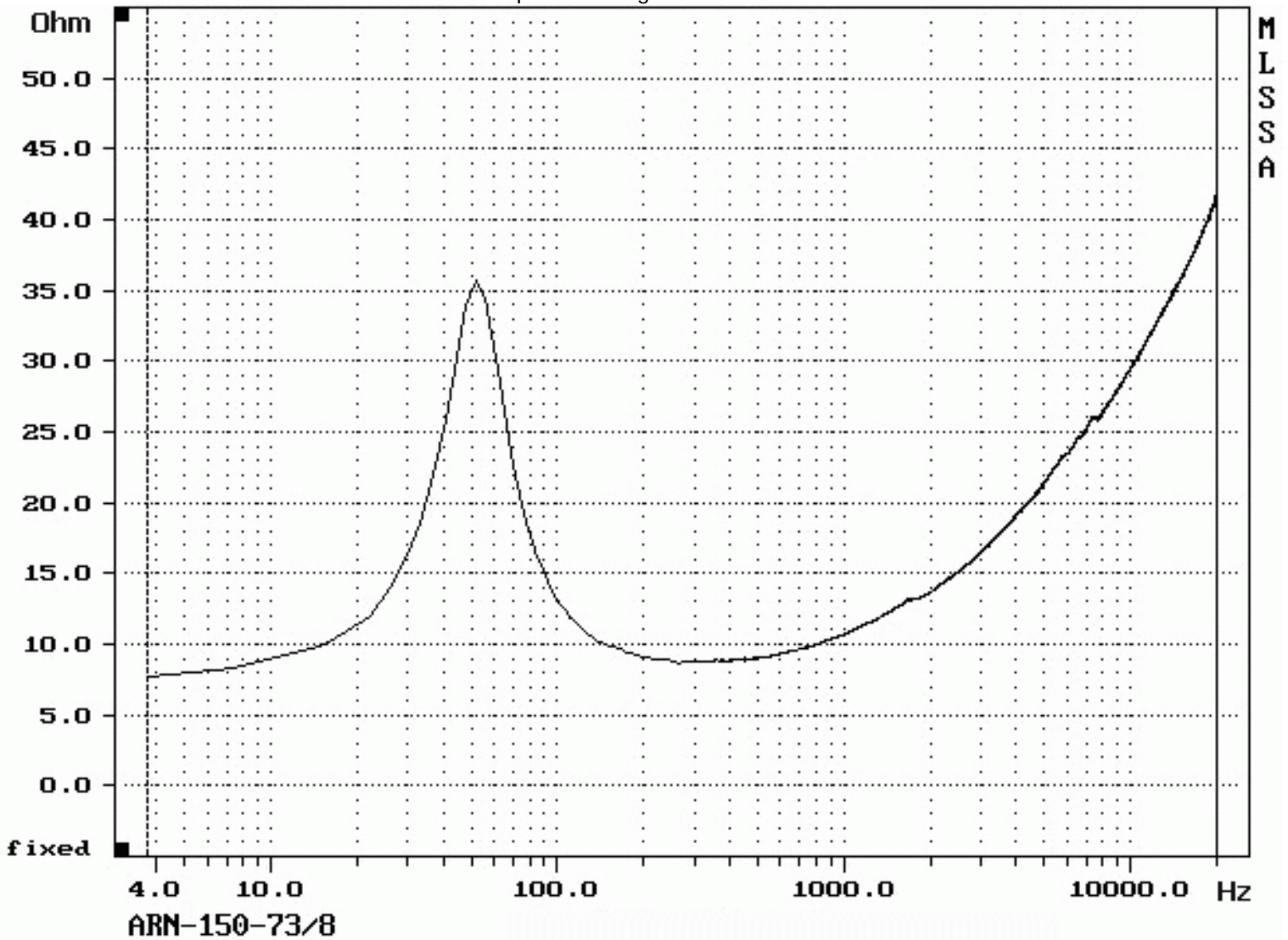
80 - 5000 Hz

- 1) CSN IEC 268-5, closed box 5 dm³
- 2) CSN IEC 268-5, closed box 5 dm³
- 3) CSN IEC 268-5, standard baffle, 1 w, 1 m, 80 - 5000 Hz
- 4) $\pm 15\%$
- 5) Peak - peak

Frequency response



Impedance Magnitude - Ohms



Drawing

