



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⁾	45.000	Hz
Rated frequency range	80 - 5000	Hz
Sensitivity ³⁾	84	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
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	uM/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

1) CSN IEC 268-5, closed box 5 dm³

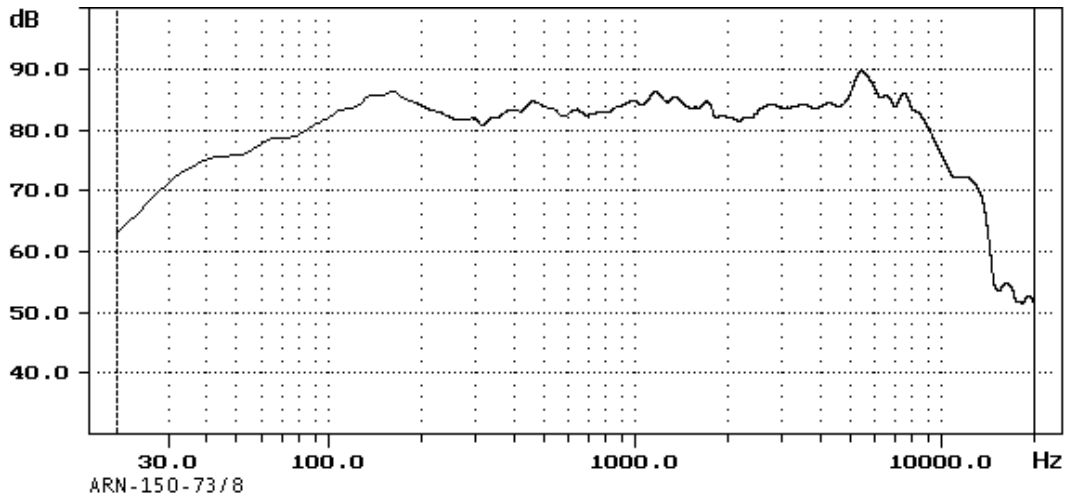
2) CSN IEC 268-5, closed box 5 dm³

3) CSN IEC 268-5, standard baffle, 1 w, 1 m, 80 - 5000 Hz

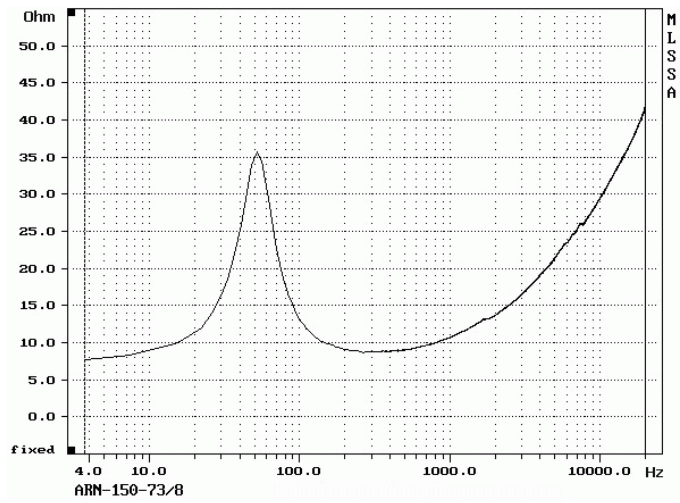
4) ±15%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

