



Widerange ARX-150-23/4

A direct-radiator electrodynamic loudspeaker with a paper-made lacquer-coated membrane for use in products of consumer electronics, in car, etc. to radiate the lower and medium, possibly also the whole band of audible frequencies.

ACOUSTICAL DATA

Rated noise power ¹⁾	25	W
Short term maximum power ²⁾	75	W
Rated impedance	4	Ohm
Resonance frequency F_s ⁴⁾	105.000	Hz
Rated frequency range	75-15000	Hz
Sensitivity ³⁾	88	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	3.531	Ohm
Mechanical Q factor Q_{ms}	3.461	
Electrical Q factor Q_{es}	1.424	
Total Q factor Q_{ts}	1.009	
Voice coil inductance L_e	0.13	
Equivalent volume V_{as}	2.747	l
Moving mass (including air load) M_{ms}	4.950	g
Suspension compliance C_{ms}	373.310	uM/Newton
Force factor Bl	3.004	Tm
Maximum linear displacement X_{max} ⁵⁾	1.2	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	5.2	mm
Yoke diameter	18	mm
Air gap height	4	mm
Magnet external diameter	82	mm
Magnet internal diameter	33	mm
Magnet height	17	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	0.85	kg

1) DIN IEC 268-5, closed box 5 dm³

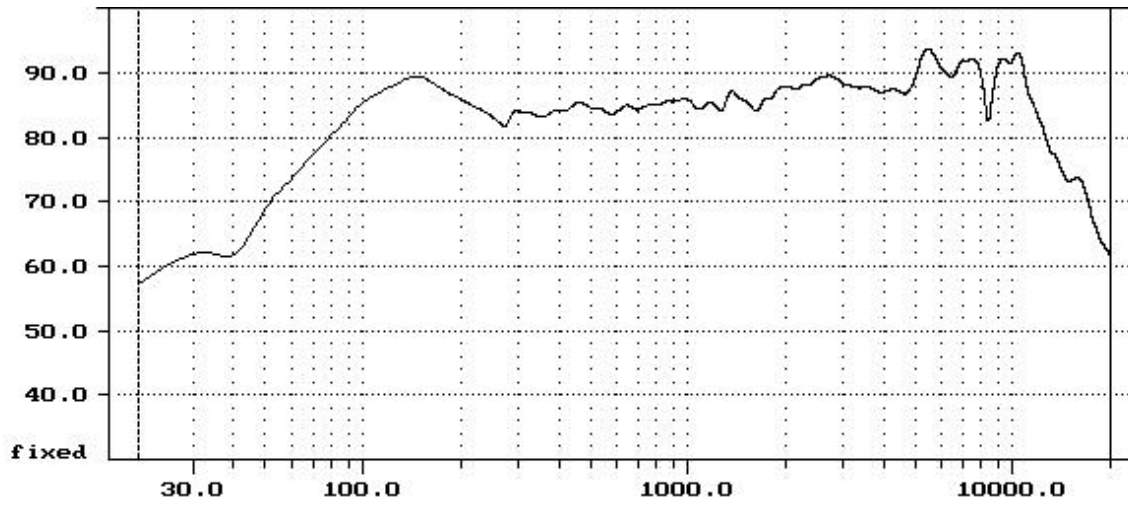
2) CSN IEC 268-5, closed box 5 dm³

3) CSN IEC 268-5, standard baffle. 1W, 1 m, 200 - 10000 Hz

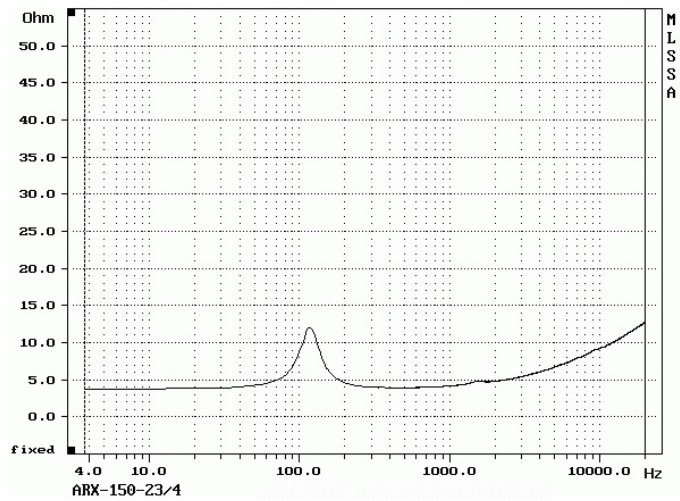
4) ±25 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

