



Widerange ARX-150-25/8

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

ACOUSTICAL DATA

Rated noise power ¹⁾	25	W
Short term maximum power ²⁾	75	W
Rated impedance	8	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	6.542	Ohm
Mechanical Q factor Q_{ms}	3.726	
Electrical Q factor Q_{es}	1.565	
Total Q factor Q_{ts}	1.102	
Voice coil inductance L_e	0.204	
Equivalent volume V_{as}	2.809	l
Moving mass (including air load) M_{ms}	5.249	g
Suspension compliance C_{ms}	381.690	uM/Newton
Force factor Bl	3.937	Tm
Maximum linear displacement X_{max} ⁵⁾	1.5	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	4.3	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

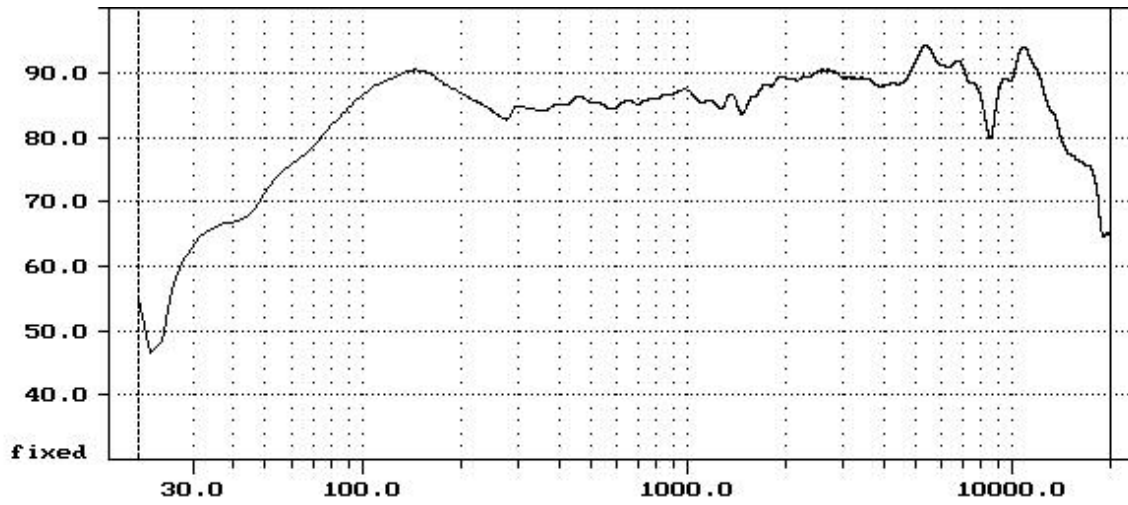
2) CSN IEC 268-5, closed box

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

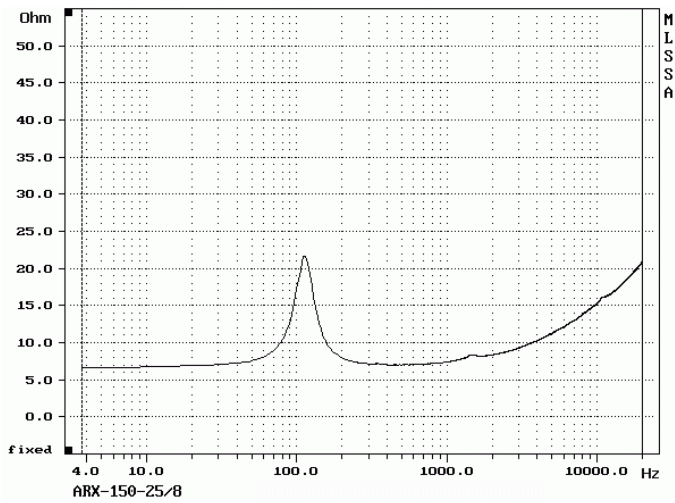
4) ± 25 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

