



## Widerange ARX-150-25/4

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 <sup>1)</sup>	25	W
Short term maximum power <sup>2)</sup>	75	W
Rated impedance	4	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	105.000	Hz
Rated frequency range	75 - 15000	Hz
Sensitivity <sup>3)</sup>	88	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	72.380	cm <sup>2</sup>
DC resistance of voice coil $R_e$	3.594	Ohm
Mechanical Q factor $Q_{ms}$	4.405	
Electrical Q factor $Q_{es}$	1.270	
Total Q factor $Q_{ts}$	0.986	
Voice coil inductance $L_e$	0.13	
Equivalent volume $V_{as}$	3.451	l
Moving mass (including air load) $M_{ms}$	5.272	g
Suspension compliance $C_{ms}$	468.979	uM/Newton
Force factor $Bl$	3.08	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	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

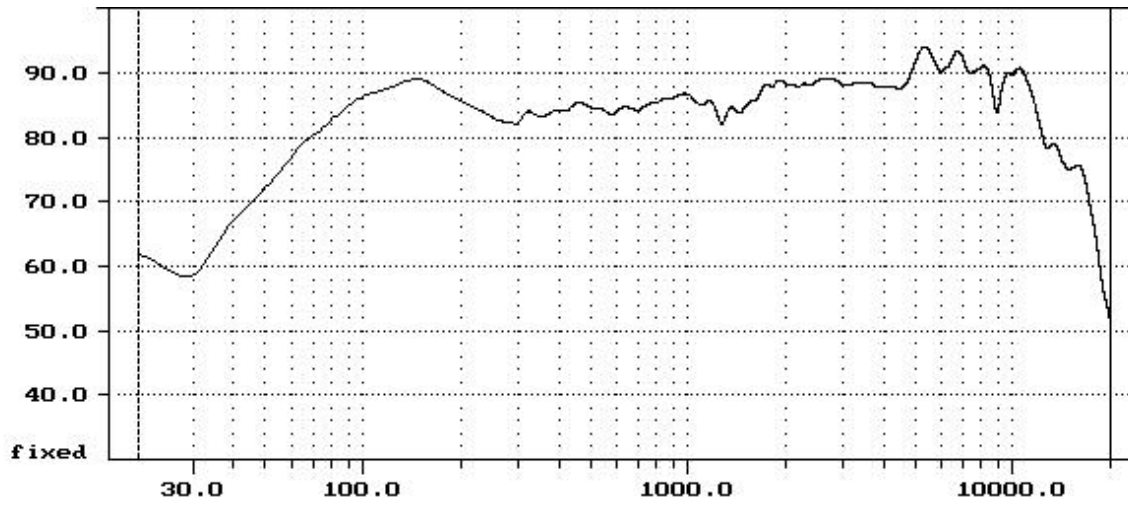
2) CSN IEC 268-5, closed box

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

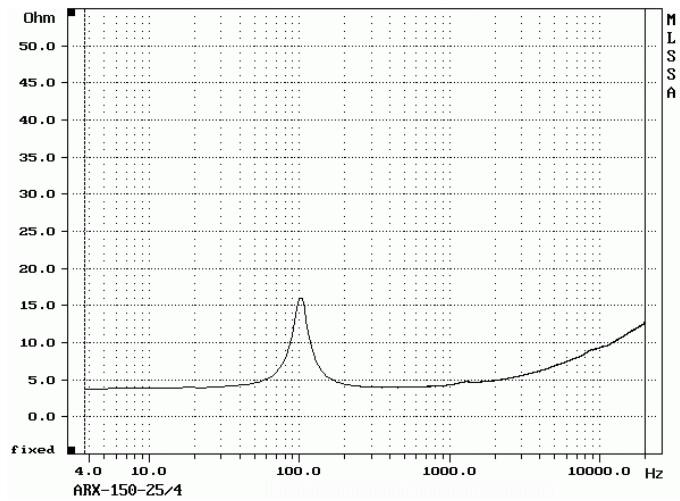
4)  $\pm 25$  Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

