



## Woofer ARN-150-03/4

Woofer for HiFi loudspeaker systems. It differs from type ARN-150-02 in coating of cone.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	60	W
Short term maximum power <sup>2)</sup>	100	W
Rated impedance	4	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	45.000	Hz
Rated frequency range	45 - 5000	Hz
Sensitivity <sup>3)</sup>	84	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 $R_e$	3.915	Ohm
Mechanical Q factor $Q_{ms}$	2.160	
Electrical Q factor $Q_{es}$	0.437	
Total Q factor $Q_{ts}$	0.364	
Voice coil inductance $L_e$	0.382	
Equivalent volume $V_{as}$	8.222	l
Moving mass (including air load) $M_{ms}$	8.896	g
Suspension compliance $C_{ms}$	1117.398	uM/Newton
Force factor $Bl$	5.027	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	8.5	mm

### MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	13	mm
Yoke diameter	25	mm
Air gap height	4.5	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	0.8	kg

1) DIN IEC 268-5, closed box 5 dm<sup>3</sup>.

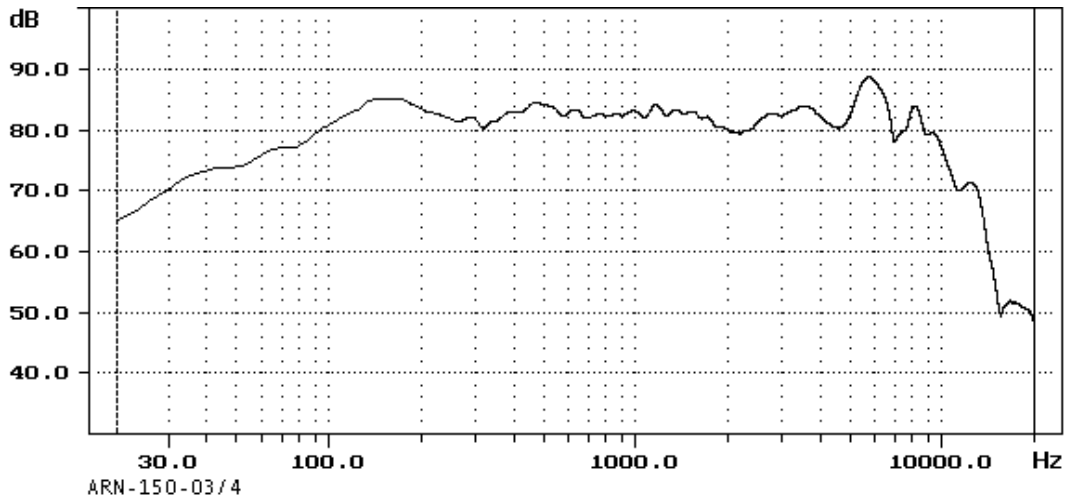
2) CSN IEC 268-5, closed box 5 dm<sup>3</sup>.

3) CSN IEC 268-5, standard baffle. 1W, 1 m, 200 - 4000 Hz

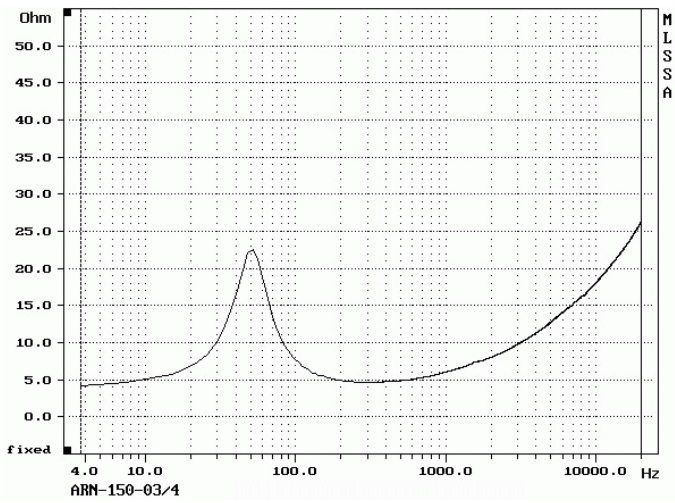
4) ±20%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

