



Woofer ARN-100-10/8

Woofer for small loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	25	W
Short term maximum power ²⁾	50	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	70.000	Hz
Rated frequency range	100 - 6000	Hz
Sensitivity ³⁾	84	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	46.570	cm ²
DC resistance of voice coil R_e	7.361	Ohm
Mechanical Q factor Q_{ms}	1.796	
Electrical Q factor Q_{es}	0.766	
Total Q factor Q_{ts}	0.537	
Voice coil inductance L_e	0.234	
Equivalent volume V_{as}	4.495	l
Moving mass (including air load) M_{ms}	3.150	g
Suspension compliance C_{ms}	1476.038	uM/Newton
Force factor Bl	3.746	Tm
Maximum linear displacement X_{max} ⁵⁾	0.5	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	4.5	mm
Yoke diameter	18	mm
Air gap height	4	mm
Magnet external diameter	72	mm
Magnet internal diameter	32	mm
Magnet height	15	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	0.6	kg

1) DIN IEC 268-5, closed box 2,5 dm³.

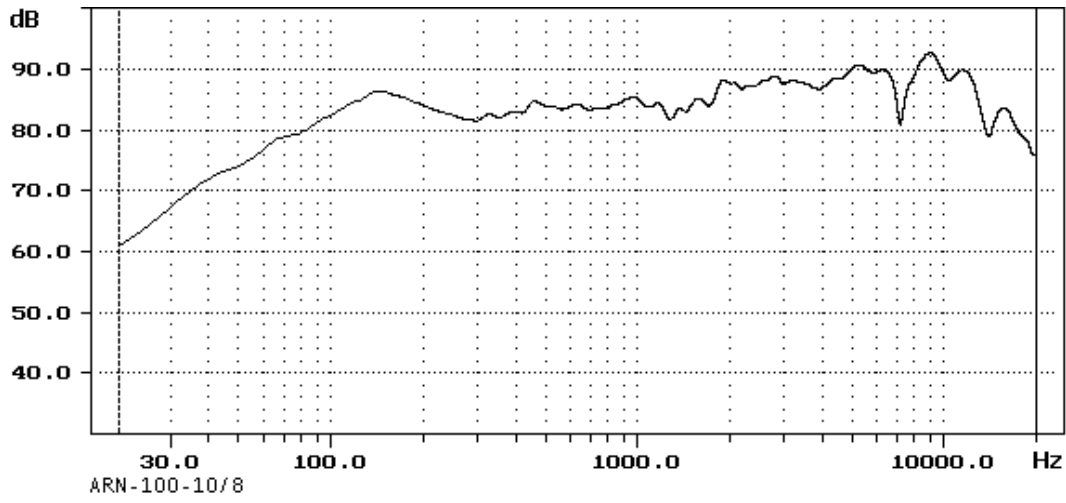
2) CSN IEC 268-5, closed 2,5 dm³.

3) ČSN IEC 268-5, standard baffle, 1W, 1 m, 100 - 6000 Hz

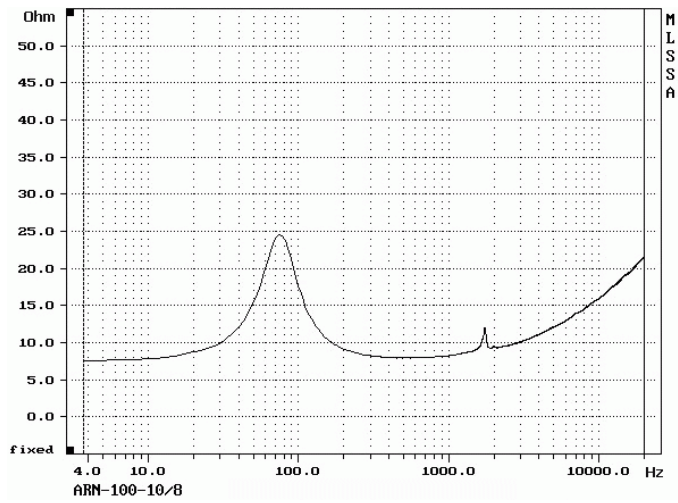
4) ±10 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

