



Woofer ARN-100-60/4

Woofer with shielded magnetic circuit for use mainly in loudspeaker systems which are expected to be operated near TV sets or monitors.

ACOUSTICAL DATA

Rated noise power ¹⁾	25	W
Short term maximum power ²⁾	50	W
Rated impedance	4	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	3.628	Ohm
Mechanical Q factor Q_{ms}	2.438	
Electrical Q factor Q_{es}	0.830	
Total Q factor Q_{ts}	0.619	
Voice coil inductance L_e	0.131	
Equivalent volume V_{as}	4.712	l
Moving mass (including air load) M_{ms}	3.169	g
Suspension compliance C_{ms}	1547.275	uM/Newton
Force factor Bl	2.501	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	55	mm
Magnet internal diameter	24	mm
Magnet height	14	mm
Compensating magnet external diameter	55	mm
Compensating magnet internal diameter	24	mm
Compensating magnet height	8.1	mm
Weight	0.6	kg

1) DIN IEC 268-5, closed box 2,5 dm³, intermittent signal, 1 minute work, 2 minute pause, 300 hours.

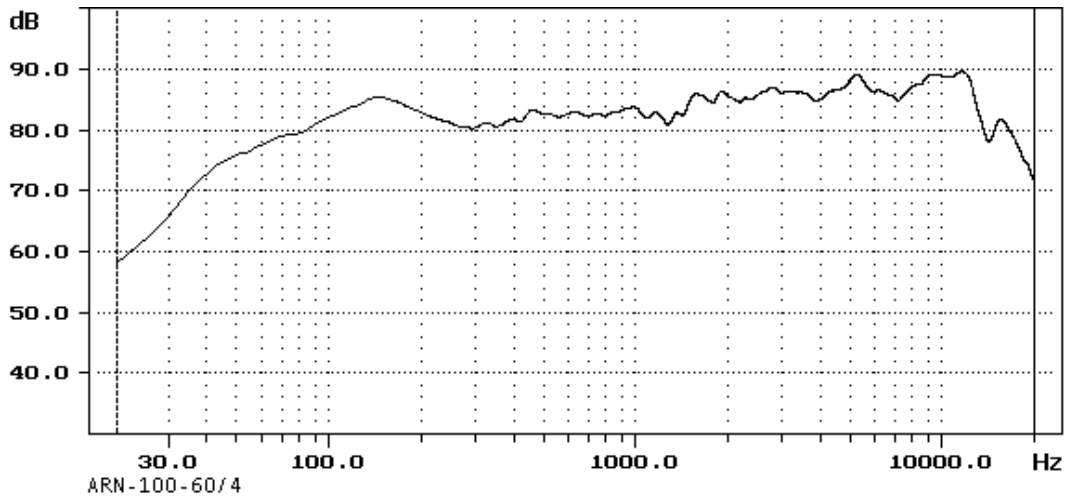
2) CSN IEC 268-5, closed box 2,5 dm³

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

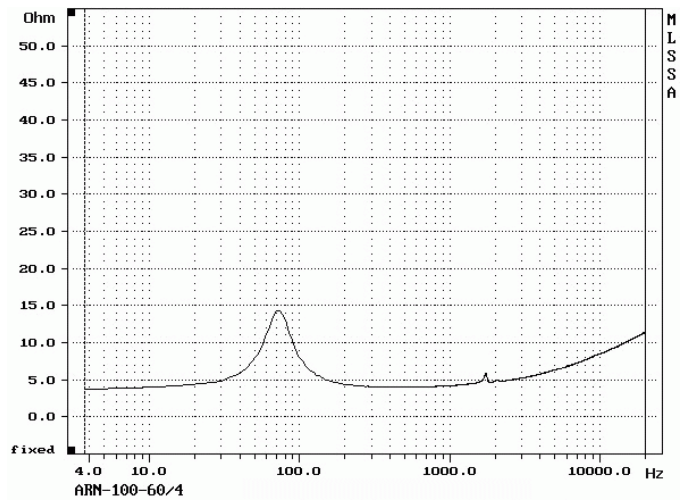
4) ±10 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

