



Woofer ARN-200-09/8

Woofer with dual voice coil for HiFi loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	2x 30	W
Short term maximum power ²⁾	2x 90	W
Rated impedance	2x 8	Ohm
Resonance frequency F_s ⁴⁾	30.000	Hz
Rated frequency range	30 - 3000	Hz
Sensitivity ³⁾	85	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	216.420	cm ²
DC resistance of voice coil R_e	7.440	Ohm
Mechanical Q factor Q_{ms}	5.016	
Electrical Q factor Q_{es}	1.022	
Total Q factor Q_{ts}	0.849	
Voice coil inductance L_e	0.836	
Equivalent volume V_{as}	75.176	l
Moving mass (including air load) M_{ms}	20.778	g
Suspension compliance C_{ms}	1142.732	uM/Newton
Force factor Bl	5.572	Tm
Maximum linear displacement X_{max} ⁵⁾	7	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	12	mm
Yoke diameter	25	mm
Air gap height	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	1.1	kg

1) DIN IEC 268-5, closed box 30 dm³, intermittent signal 300 hours

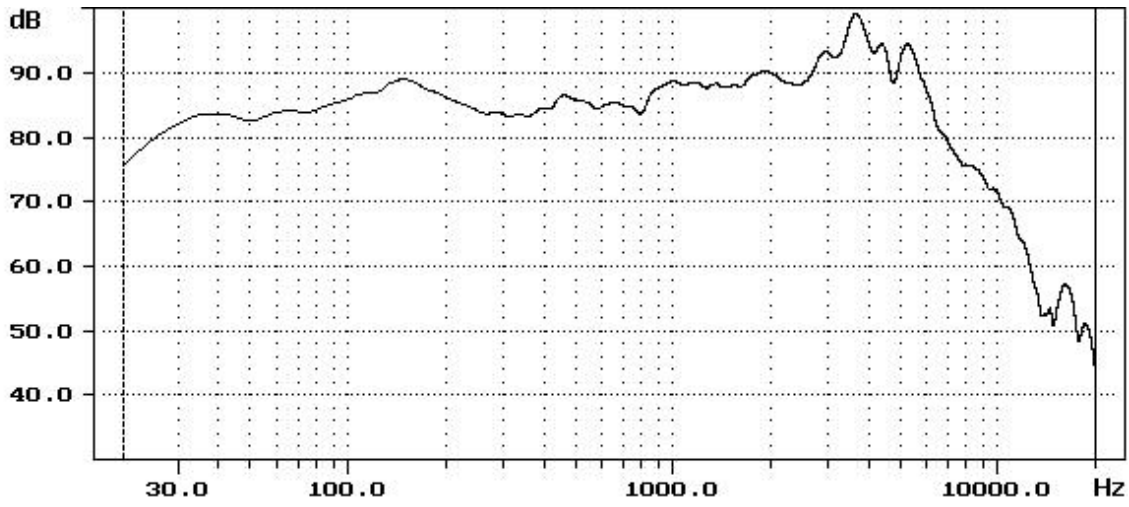
2) CSN IEC 268-5, closed box 30 dm³

3) CSN IEC 268-5, standard baffle. 1W, 1 m, 80 - 2000 Hz

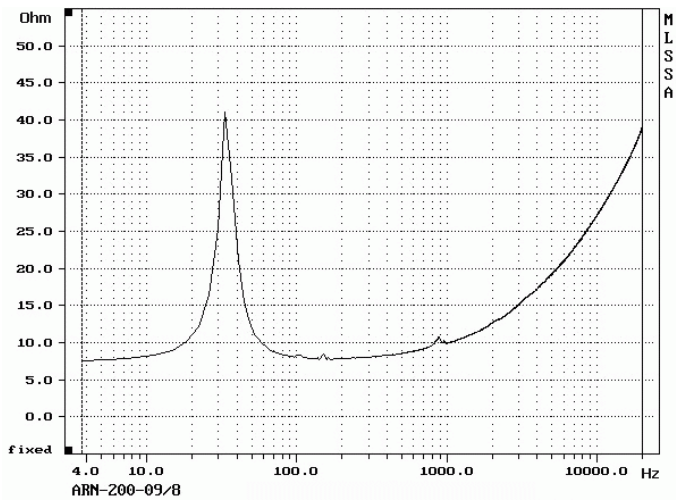
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

