



Woofer ARN-150-05/8

Woofer for HiFi loudspeaker systems. It differs from type ARN-150-03 in coating of cone.

ACOUSTICAL DATA

Rated noise power ¹⁾	60	W
Short term maximum power ²⁾	100	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	45.000	Hz
Rated frequency range	45 - 5000	Hz
Sensitivity ³⁾	84	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	72.380	cm ²
DC resistance of voice coil R_e	7.654	Ohm
Mechanical Q factor Q_{ms}	2.353	
Electrical Q factor Q_{es}	0.533	
Total Q factor Q_{ts}	0.435	
Voice coil inductance L_e	0.487	
Equivalent volume V_{as}	8.523	l
Moving mass (including air load) M_{ms}	8.505	g
Suspension compliance C_{ms}	1158.256	uM/Newton
Force factor Bl	6.238	Tm
Maximum linear displacement X_{max} ⁵⁾	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 dm³

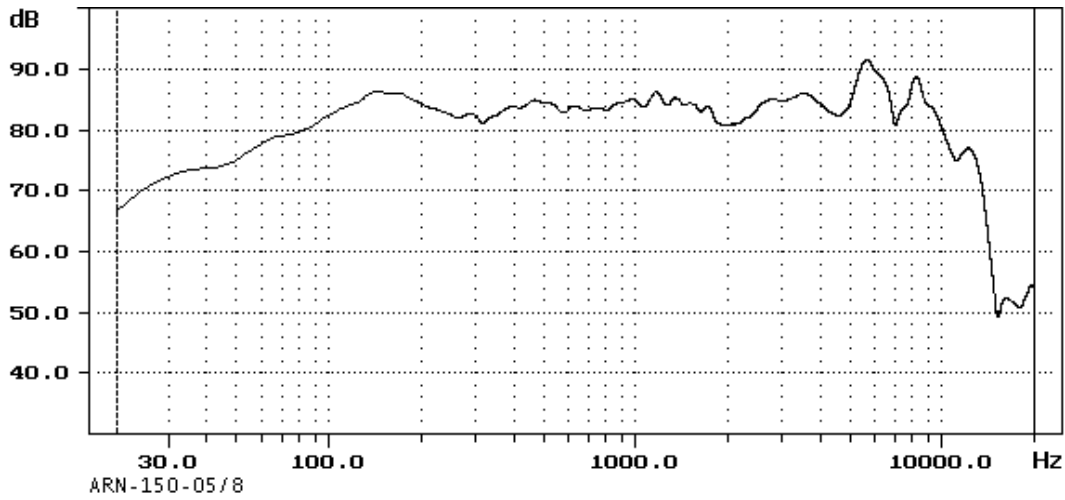
2) CSN IEC 268-5, closed box 5 dm³

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

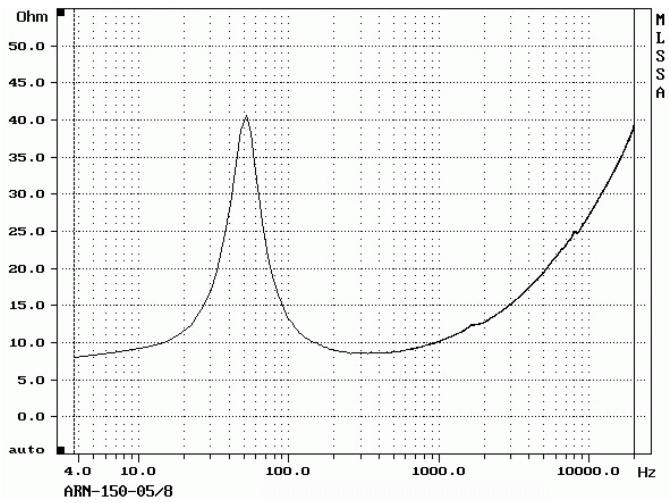
4) ±20%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

