



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⁾	50.708 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

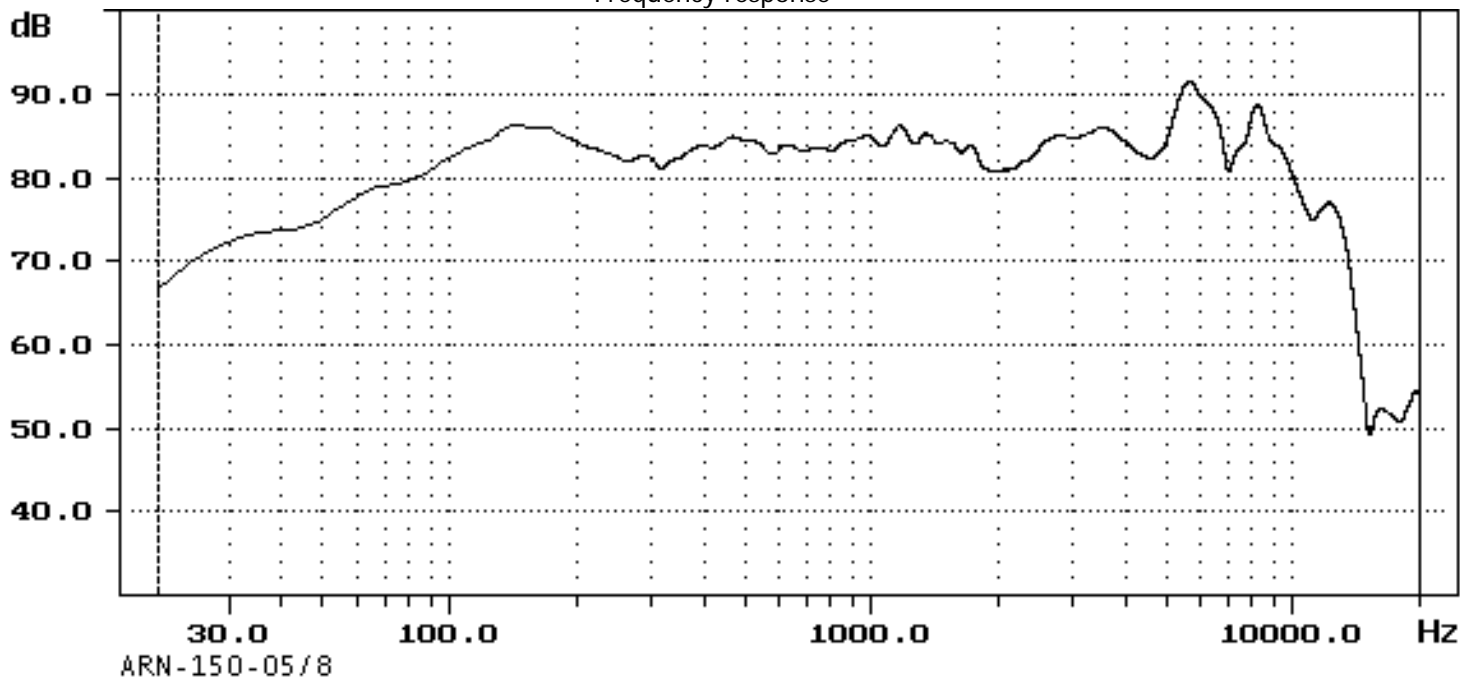
Voice coil carrier material	aluminium
Voice coil diameter	25.4 mm
Winding height of voice coil	13 mm
Yoke diameter	25 mm
Air gap height	4.5 mm
Magnet external diameter	82 mm
Magnet internal diameter	33 mm
Magnet height	17 mm
Compensating magnet external diameter	- mm
Compensating magnet internal diameter	- mm
Compensating magnet height	- mm
Weight	0.8 kg

TEST CONDITIONS

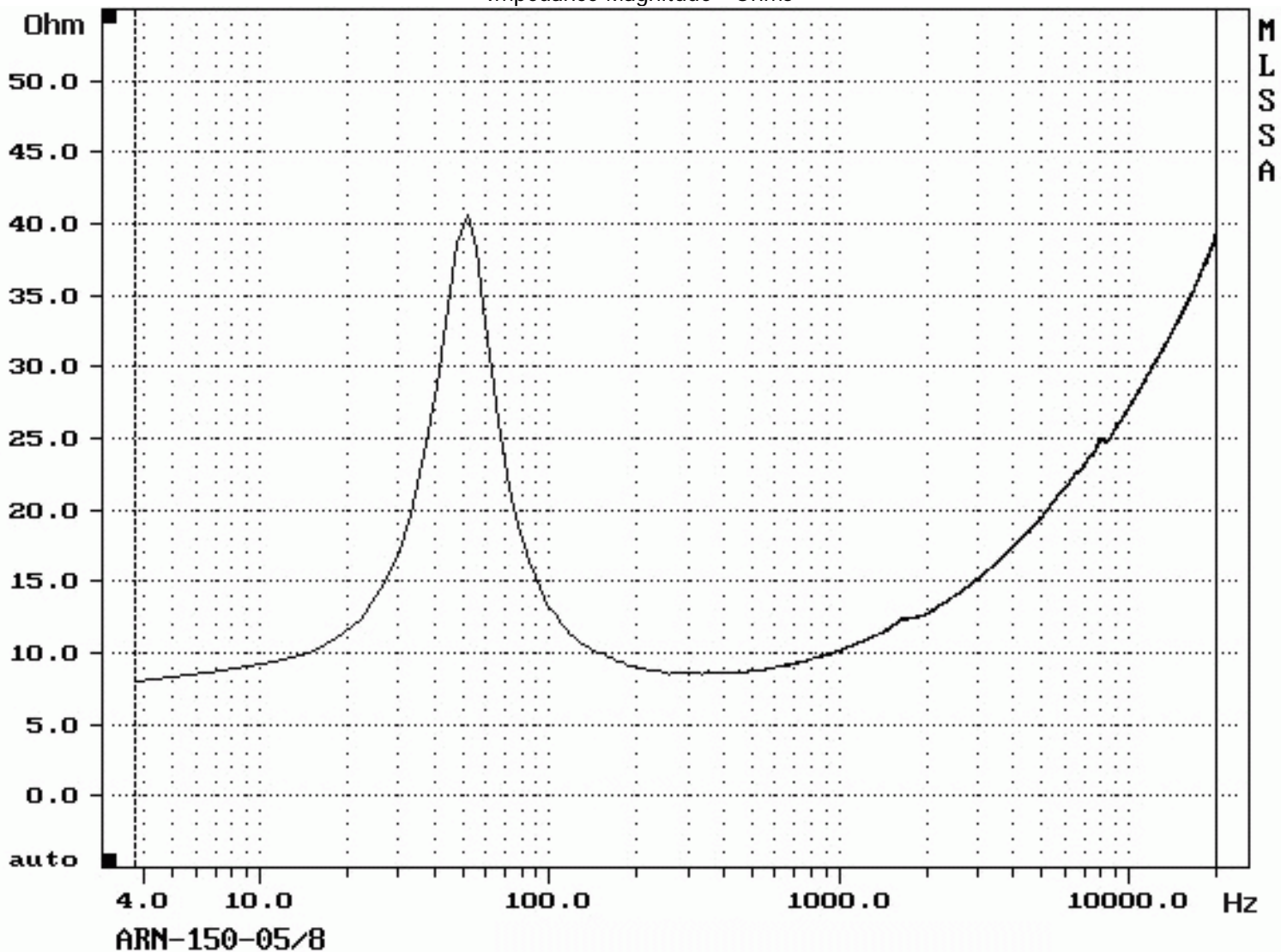
Sweep voltage	9.2 V
Frequency range	45 - 5000 Hz

- 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 - Ohms



Drawing

