



Woofer ARN-165-01/8

Woofer for HiFi loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	100	W
Short term maximum power ²⁾	300	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	44.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity ³⁾	85	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	134.780	cm ²
DC resistance of voice coil R_e	7.220	Ohm
Mechanical Q factor Q_{ms}	4.058	
Electrical Q factor Q_{es}	0.647	
Total Q factor Q_{ts}	0.558	
Voice coil inductance L_e	0.545	
Equivalent volume V_{as}	35.176	l
Moving mass (including air load) M_{ms}	9.687	g
Suspension compliance C_{ms}	1378.668	uM/Newton
Force factor Bl	5.437	Tm
Maximum linear displacement X_{max} ⁵⁾	6.4	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	5	mm
Magnet external diameter	82	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	0.9	kg

1) DIN IEC 268-5, closed box 15 dm³

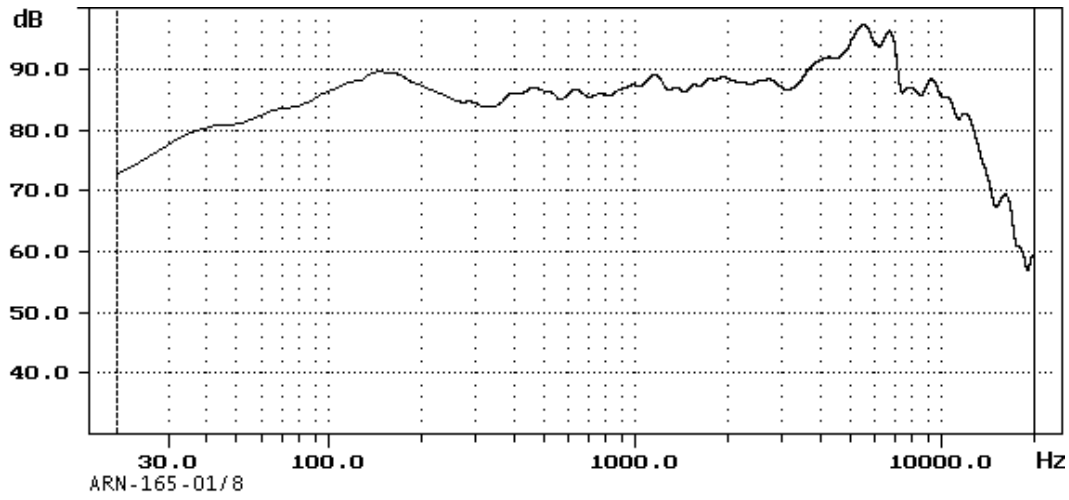
2) CSN IEC 268-5, closed box 15 dm³

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 50 - 4000 Hz

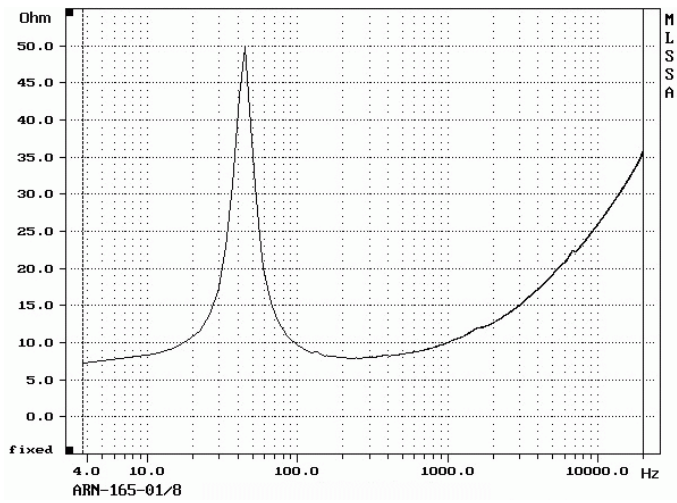
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

