



Woofer ARN-165-60/8

Woofer with the 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⁾	60	W
Short term maximum power ²⁾	180	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	44.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity ³⁾	86	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	7.416	Ohm
Mechanical Q factor Q_{ms}	4.021	
Electrical Q factor Q_{es}	0.674	
Total Q factor Q_{ts}	0.577	
Voice coil inductance L_e	0.523	
Equivalent volume V_{as}	29.594	l
Moving mass (including air load) M_{ms}	11.174	g
Suspension compliance C_{ms}	1159.907	uM/Newton
Force factor Bl	5.845	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	72	mm
Magnet internal diameter	32	mm
Magnet height	15	mm
Compensating magnet external diameter	72	mm
Compensating magnet internal diameter	32	mm
Compensating magnet height	10	mm
Weight	1	kg

1) DIN IEC 268-5, closed box 15 dm³

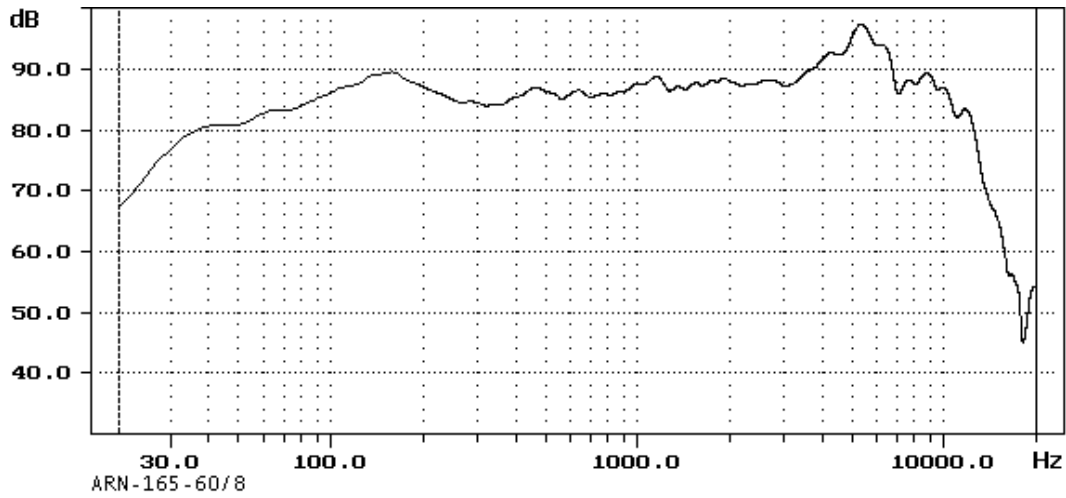
2) CSN IEC 268-5, closed box 15 dm³

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

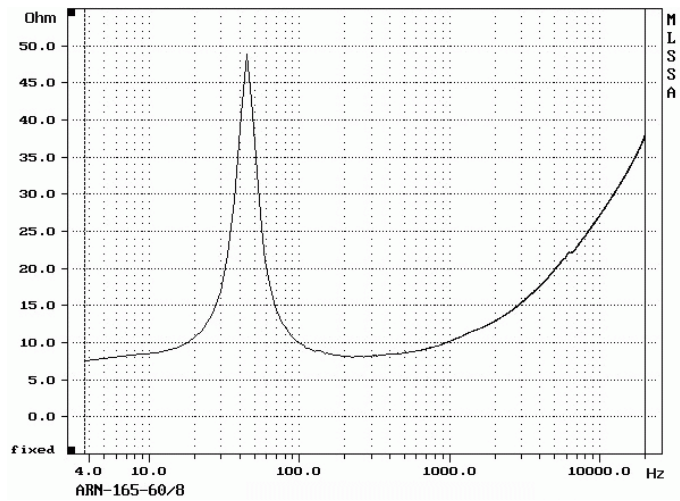
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

