



## Woofer ARN-188-08/4

A direct-radiating electrodynamic woofer with polypropylene membrane and rubber suspension designed for use in home cinema and hi-fi stereo speaker systems to radiate lower and medium frequencies.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	60	W
Short term maximum power <sup>2)</sup>	120	W
Rated impedance	4	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	50.000	Hz
Rated frequency range	55 - 4000	Hz
Sensitivity <sup>3)</sup>	86	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	132.730	cm <sup>2</sup>
DC resistance of voice coil $R_e$	3.519	Ohm
Mechanical Q factor $Q_{ms}$	3.337	
Electrical Q factor $Q_{es}$	0.758	
Total Q factor $Q_{ts}$	0.618	
Voice coil inductance $L_e$	0.374	
Equivalent volume $V_{as}$	19.005	l
Moving mass (including air load) $M_{ms}$	12.623	g
Suspension compliance $C_{ms}$	768.067	uM/Newton
Force factor $Bl$	4.339	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	7	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	33	mm
Magnet height	17	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	1	kg

1) DIN IEC 268-5, closed box 10 dm<sup>3</sup>, intermittent signal 300 hod.

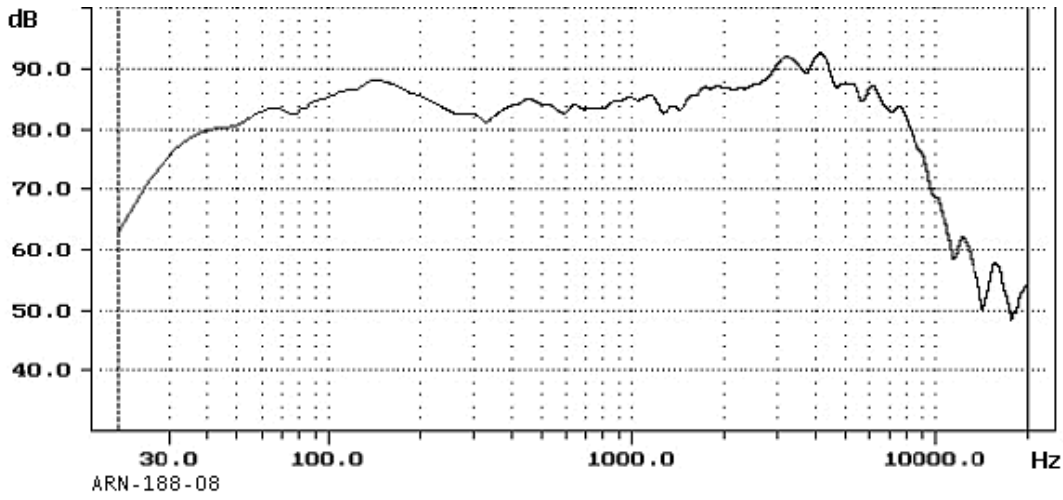
2) ČSN IEC 268-5, closed box 10 dm<sup>3</sup>

3) ČSN IEC 268-5, standard baffle 1 W, 1 m, 100 - 4000 Hz

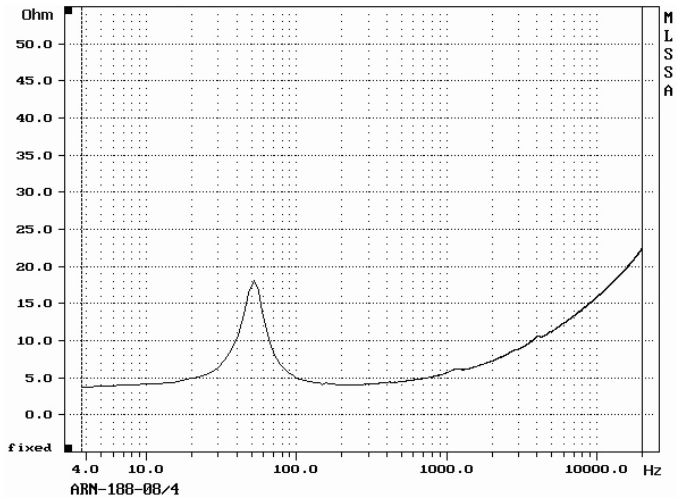
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

