



## Woofer ARN-116-60/4

A direct electrodynamic loudspeaker with the shielded magnetic circuit to radiate the lower and medium frequencies mainly in loudspeaker systems which are expected to be operated near TV sets.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	40	W
Short term maximum power <sup>2)</sup>	80	W
Rated impedance	4	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	65.000	Hz
Rated frequency range	100-6000	Hz
Sensitivity <sup>3)</sup>	84	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	46.570	cm <sup>2</sup>
DC resistance of voice coil $R_e$	3.640	Ohm
Mechanical Q factor $Q_{ms}$	2.241	
Electrical Q factor $Q_{es}$	0.760	
Total Q factor $Q_{ts}$	0.568	
Voice coil inductance $L_e$	0.17	
Equivalent volume $V_{as}$	5.288	l
Moving mass (including air load) $M_{ms}$	3.218	g
Suspension compliance $C_{ms}$	1736.378	uM/Newton
Force factor $Bl$	2.553	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	2.9	mm

### MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	6.9	mm
Yoke diameter	18	mm
Air gap height	4	mm
Magnet external diameter	55	mm
Magnet internal diameter	24	mm
Magnet height	14	mm
Compensating magnet external diameter	55	mm
Compensating magnet internal diameter	24	mm
Compensating magnet height	8	mm
Weight	0.6	kg

1) CSN IEC 268-5, closed box 2,5 dm<sup>3</sup>

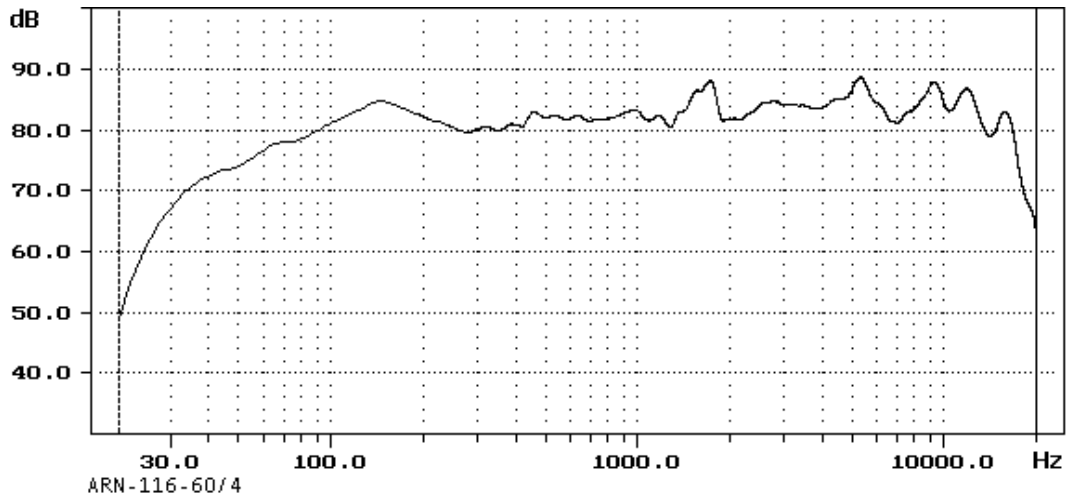
2) CSN IEC 268-5, closed box 2,5 dm<sup>3</sup>

3) CSN IEC 268-5, standard baffle, 1 W, 1 m, 100-6000 Hz

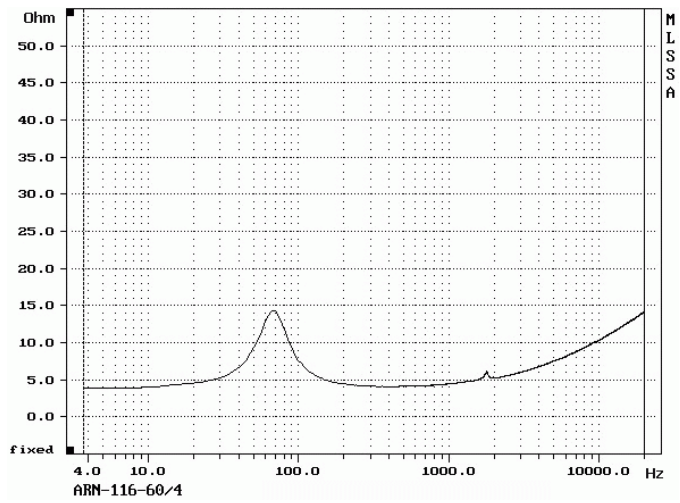
4) ±10 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

