



## Widerange ARZ 6608

A direct-radiator electrodynamic loudspeaker with a high-cone for use in products of consumer electronics to transmit the whole band of audible frequencies.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	30	W
Short term maximum power <sup>2)</sup>	90	W
Rated impedance	8	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	75.000	Hz
Rated frequency range	60 - 20000	Hz
Sensitivity <sup>3)</sup>	91	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	188.690	cm <sup>2</sup>
DC resistance of voice coil $R_e$	7.541	Ohm
Mechanical Q factor $Q_{ms}$	3.121	
Electrical Q factor $Q_{es}$	1.171	
Total Q factor $Q_{ts}$	0.851	
Voice coil inductance $L_e$	0.454	
Equivalent volume $V_{as}$	26.977	l
Moving mass (including air load) $M_{ms}$	9.202	g
Suspension compliance $C_{ms}$	539.468	uM/Newton
Force factor $Bl$	5.158	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	1.9	mm

### MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	5.9	mm
Yoke diameter	25	mm
Air gap height	4.5	mm
Magnet external diameter	72	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	0.84	kg

1) DIN IEC 268-5, without baffle

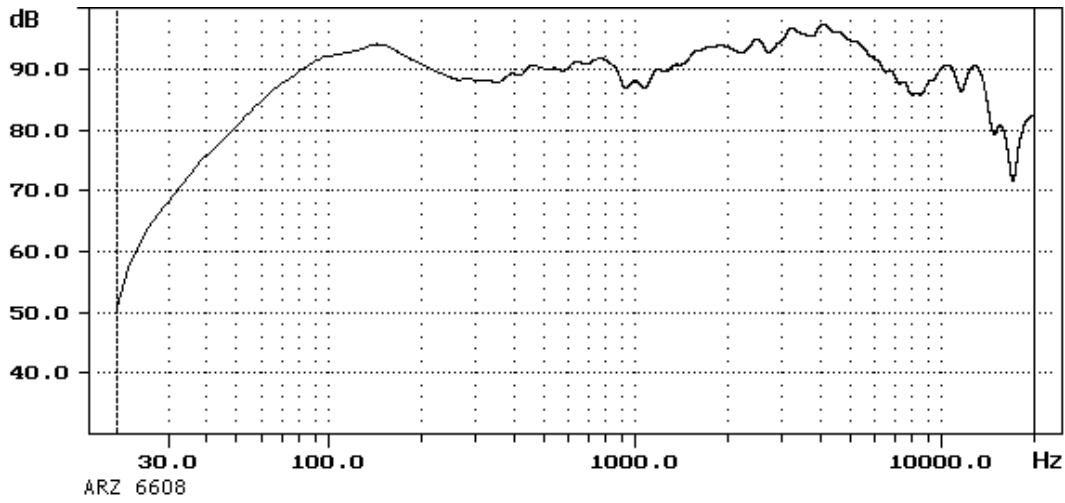
2) CSN IEC 268-5, without baffle

3) CSN IEC 268-5, standard baffle. 1W, 1 m, 200 - 10000 Hz

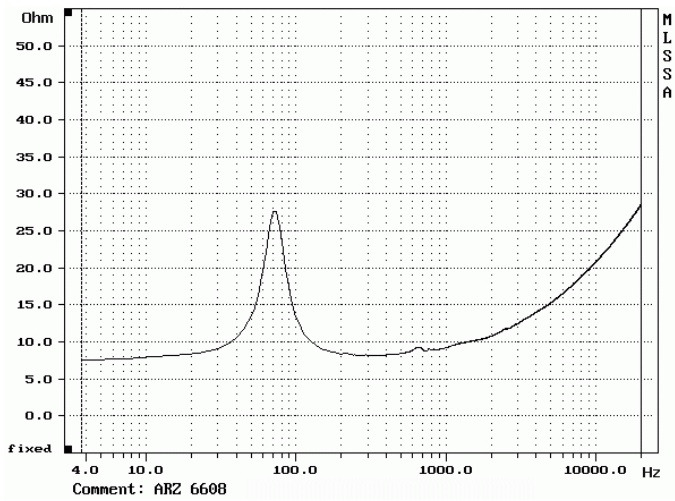
4) -20 Hz +15 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

