



Woofer ARN-116-10/8

A direct electrodynamic loudspeaker to radiate the lower and medium frequencies mainly in loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	40	W
Short term maximum power ²⁾	80	W
Rated impedance	8	Ohm
Resonance frequency F_s ⁴⁾	65.000	Hz
Rated frequency range	100-6000	Hz
Sensitivity ³⁾	84	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	46.570	cm ²
DC resistance of voice coil R_e	7.622	Ohm
Mechanical Q factor Q_{ms}	2.241	
Electrical Q factor Q_{es}	0.696	
Total Q factor Q_{ts}	0.531	
Voice coil inductance L_e	0.298	
Equivalent volume V_{as}	4.808	l
Moving mass (including air load) M_{ms}	3.269	g
Suspension compliance C_{ms}	1578.634	uM/Newton
Force factor Bl	3.969	Tm
Maximum linear displacement X_{max} ⁵⁾	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	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	0.6	kg

1) CSN IEC 268-5, closed box 2,5 dm³

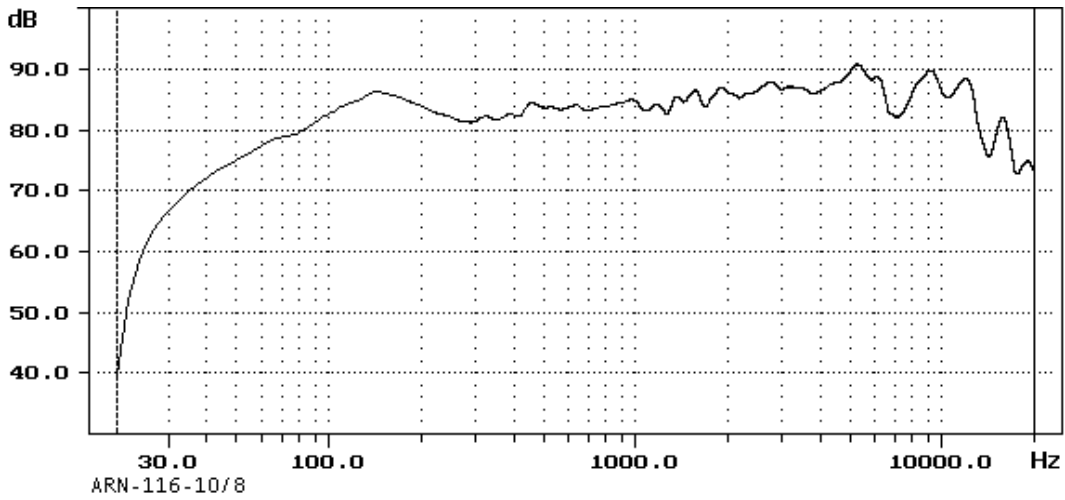
2) CSN IEC 268-5, closed box 2,5 dm³

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

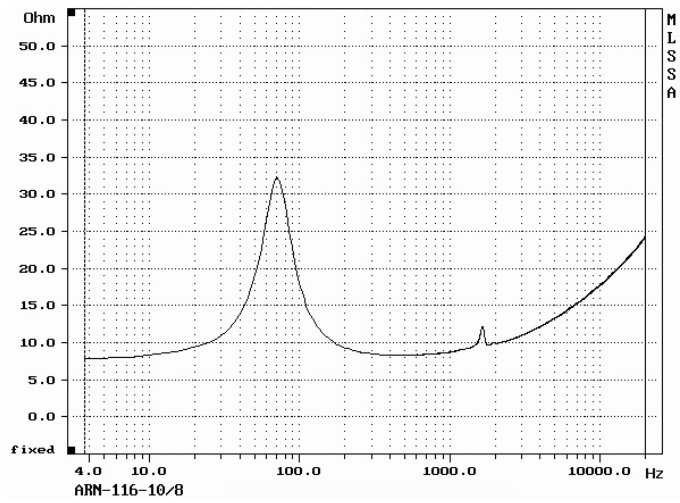
4) ±10 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

