



Woofer ARN 6614

Woofer for HiFi loudspeaker systems.

ACOUSTICAL DATA

Rated noise power ¹⁾	70	W
Short term maximum power ²⁾	140	W
Rated impedance	4	Ohm
Resonance frequency F_s ⁴⁾	30.000	Hz
Rated frequency range	30 - 3000	Hz
Sensitivity ³⁾	87	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	216.420	cm ²
DC resistance of voice coil R_e	3.505	Ohm
Mechanical Q factor Q_{ms}	5.172	
Electrical Q factor Q_{es}	0.666	
Total Q factor Q_{ts}	0.590	
Voice coil inductance L_e	0.43	
Equivalent volume V_{as}	89.098	l
Moving mass (including air load) M_{ms}	16.614	g
Suspension compliance C_{ms}	1354.358	uM/Newton
Force factor Bl	4.292	Tm
Maximum linear displacement X_{max} ⁵⁾	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	1.1	kg

1) DIN IEC 268-5, closed box 20 dm³.

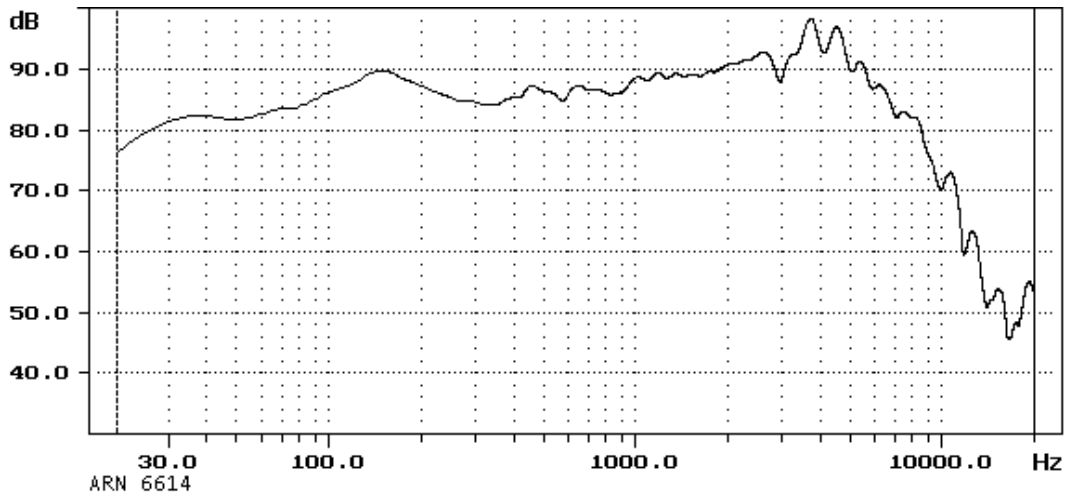
2) CSN IEC 268-5, closed box 20 dm³.

3) CSN IEC 268-5, standard baffle. 1W, 1 m, 200 - 3000 Hz

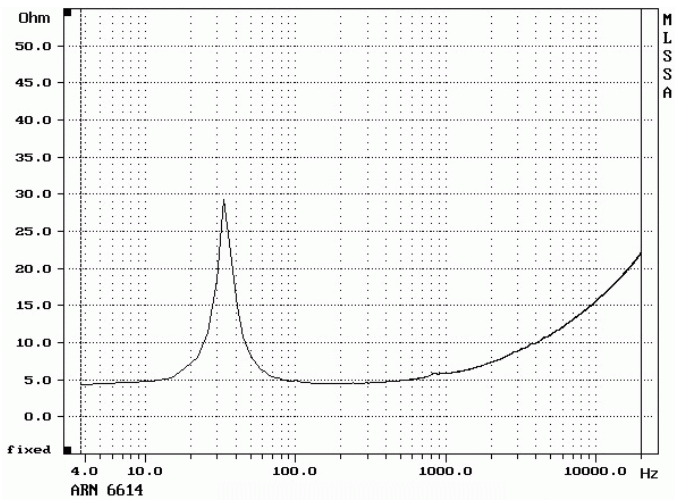
4) ±20%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

