



Woofer ARN-165-05/4

A direct - radiator electrodynamic for use HiFi loudspeaker systems to radiate the lower and medium frequencies. It differs from type ARN 5684 (ARN 5688) in coating of cone into the spiral.

ACOUSTICAL DATA

Rated noise power ¹⁾	60	W
Short term maximum power ²⁾	180	W
Rated impedance	4	Ohm
Resonance frequency F_s ⁴⁾	44.000	Hz
Rated frequency range	40-4000	Hz
Sensitivity ³⁾	85	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	134.780	cm ²
DC resistance of voice coil R_e	3.492	Ohm
Mechanical Q factor Q_{ms}	3.936	
Electrical Q factor Q_{es}	0.491	
Total Q factor Q_{ts}	0.436	
Voice coil inductance L_e	0.344	
Equivalent volume V_{as}	37.608	l
Moving mass (including air load) M_{ms}	10.386	g
Suspension compliance C_{ms}	1473.973	uM/Newton
Force factor Bl	4.346	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	12	mm
Yoke diameter	25	mm
Air gap height	5	mm
Magnet external diameter	82	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	0.9	kg

1) DIN IEC 268-5, closed box 15 dm³

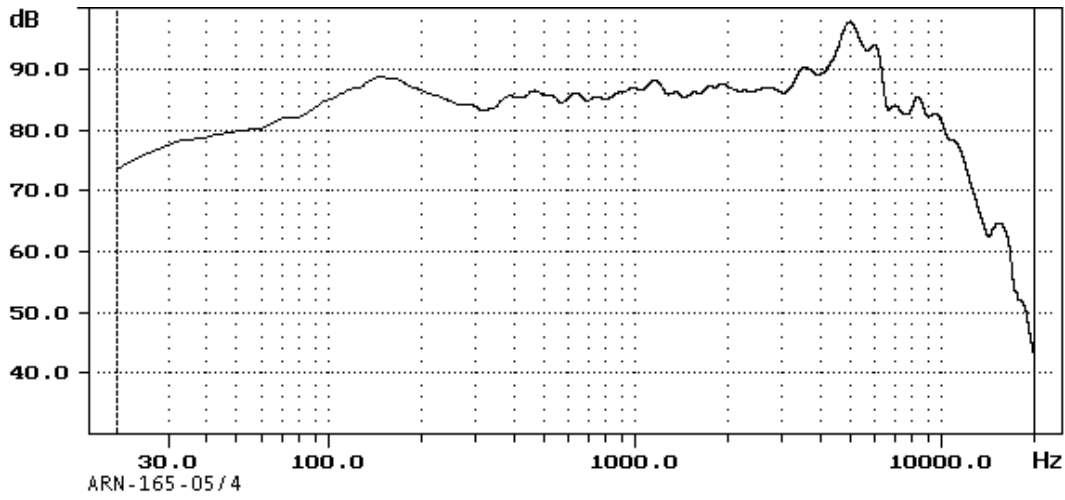
2) ČSN IEC 268-5, closed box 15 dm³

3) ČSN IEC 268-5, standard baffle 1 W, 1 m, 50-4000 Hz

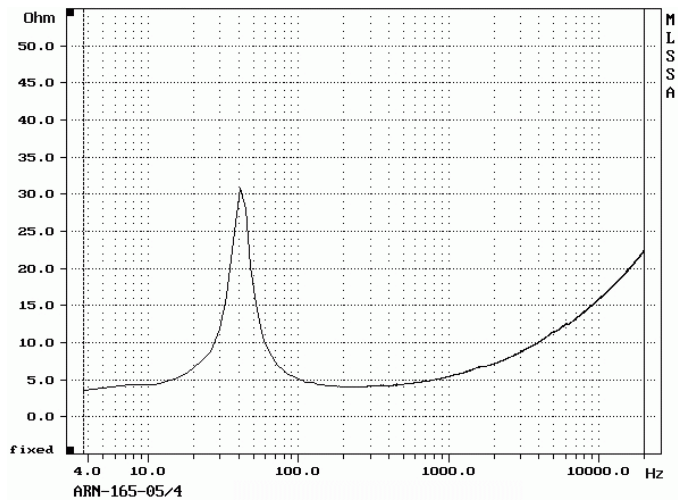
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

