



## Woofer ARN-165-05/8

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 <sup>1)</sup>	60	W
Short term maximum power <sup>2)</sup>	180	W
Rated impedance	8	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	44.000	Hz
Rated frequency range	40-4000	Hz
Sensitivity <sup>3)</sup>	85	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	134.780	cm <sup>2</sup>
DC resistance of voice coil $R_e$	7.350	Ohm
Mechanical Q factor $Q_{ms}$	3.775	
Electrical Q factor $Q_{es}$	0.656	
Total Q factor $Q_{ts}$	0.559	
Voice coil inductance $L_e$	0.518	
Equivalent volume $V_{as}$	48.917	l
Moving mass (including air load) $M_{ms}$	8.341	g
Suspension compliance $C_{ms}$	1917.214	uM/Newton
Force factor $Bl$	4.836	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	6.4	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 dm<sup>3</sup>

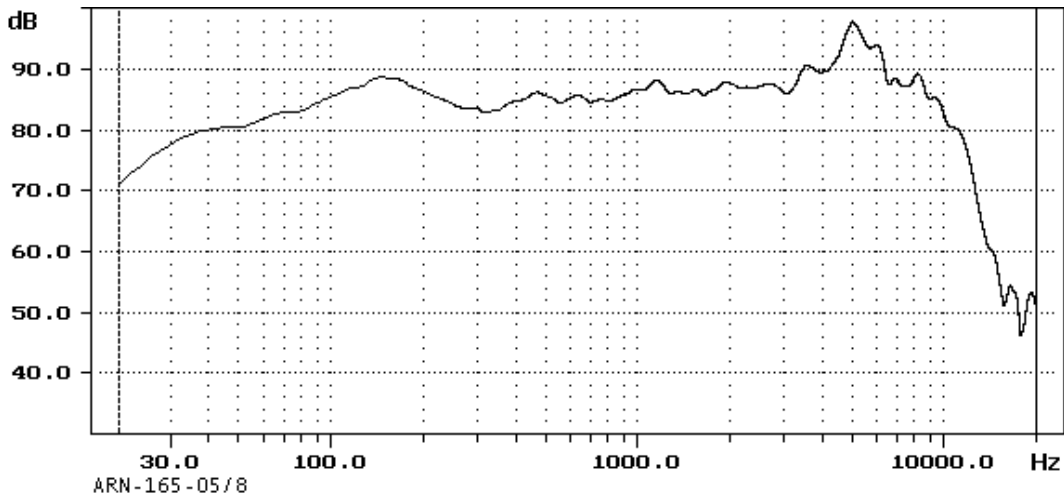
2) ČSN IEC 268-5, closed box 15 dm<sup>3</sup>

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

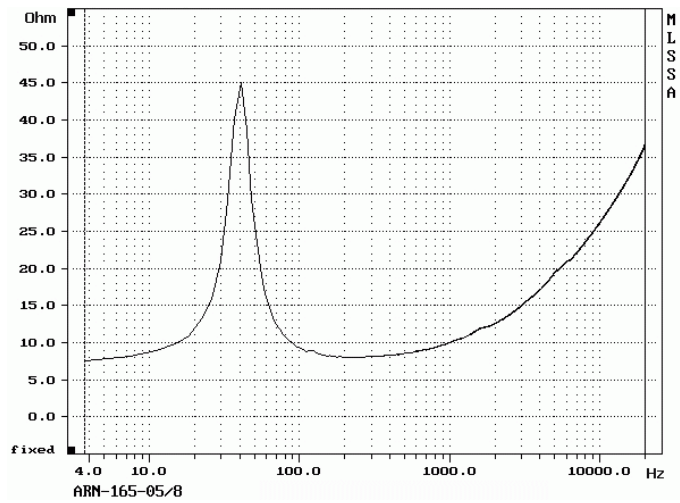
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

