Woofer
ARN-188-07/4

Woofer used in loudspeaker systems by TVM. The paper cone has a spiral coating, the magnet system comprises two ferrite rings.

ACOUSTICAL DATA		
Rated noise power [1)]	60	W
Short term maximum power [2)]	120	W
Rated impedance	4	Ohm
Resonance frequency Fs	40.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity [3)]	88	dB
TS PARAMETERS		
Acquired by MLSSA	137.000	
Effective piston area Sd	137.000	cm^2
DC resistance of voice coil Re	3.500	Ohm
Mechanical Q factor Qms	3.980	
Electrical Q factor Qes	0.430	
Total Q factor Qts	0.380	
Voice coil inductance Le	0.3	
Equivalent volume Vas	29.700	l
Moving mass (including air load) Mms	12.800	g
Suspension compliance Cms	1131.000	uM/Newton
Force factor Bl	5.3	Tm
Maximum linear displacement Xmax	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	33	mm
Magnet height	17	mm
Compensating magnet external diameter	82	mm
Compensating magnet internal diameter	33	mm
Compensating magnet height	17	mm
Weight	1.37	kg

1) DIN IEC 268-5, closed box 10 dm^3, 300 hrs, interrupted signal

2) ČSN EN 60268-5, closed box 10 dm^3.

3) ČSN EN 60268-5, standard baffle, 1 W, 1 m, 200 - 4 000 Hz.

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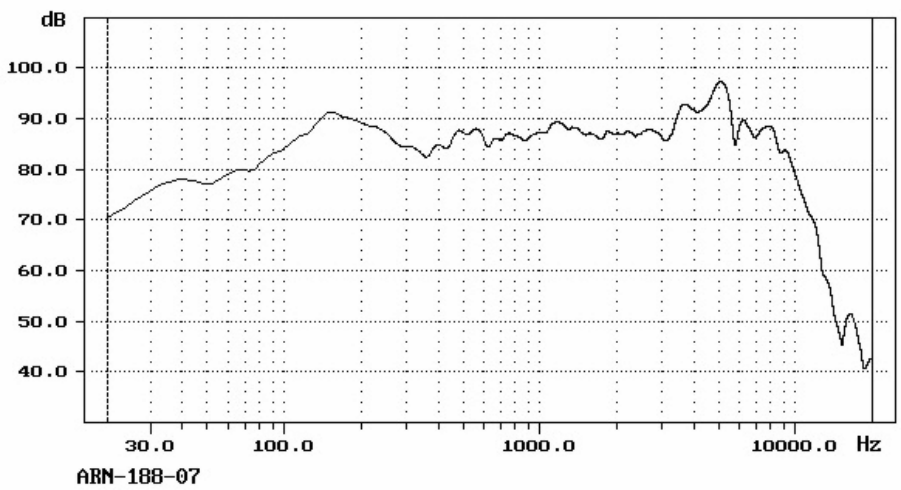
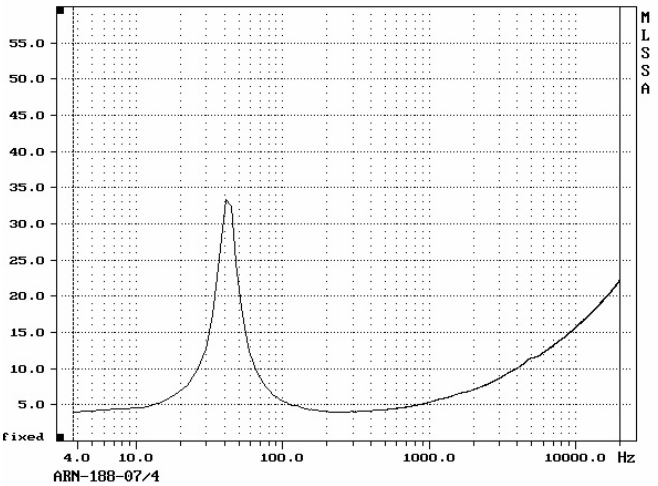
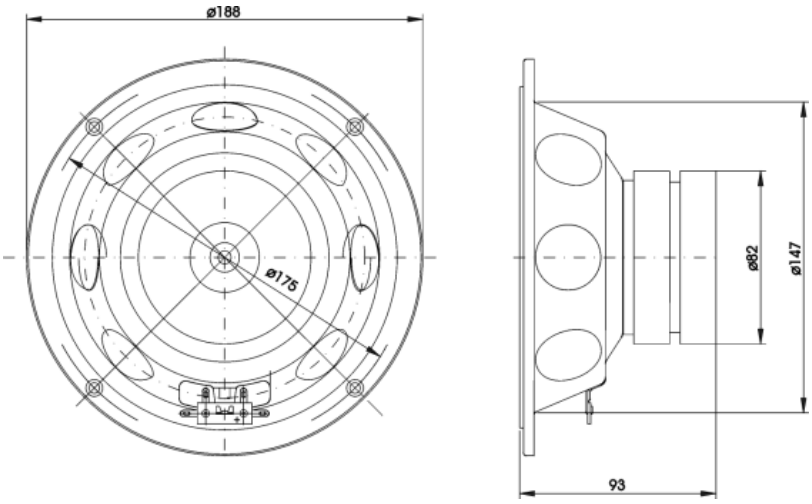
Frequency response



Impedance Magnitude



Drawing



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