



## Woofer ARN-188-07/8

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 <sup>1)</sup>	60	W
Short term maximum power <sup>2)</sup>	120	W
Rated impedance	8	Ohm
Resonance frequency $F_s$	40.000	Hz
Rated frequency range	40 - 4000	Hz
Sensitivity <sup>3)</sup>	88	dB

### TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area $S_d$	137.000	cm <sup>2</sup>
DC resistance of voice coil $R_e$	7.300	Ohm
Mechanical Q factor $Q_{ms}$	4.100	
Electrical Q factor $Q_{es}$	0.620	
Total Q factor $Q_{ts}$	0.540	
Voice coil inductance $L_e$	0.5	
Equivalent volume $V_{as}$	23.200	l
Moving mass (including air load) $M_{ms}$	13.200	g
Suspension compliance $C_{ms}$	883.000	uM/Newton
Force factor $Bl$	6.8	Tm
Maximum linear displacement $X_{max}$	7	mm

### MECHANICAL DATA

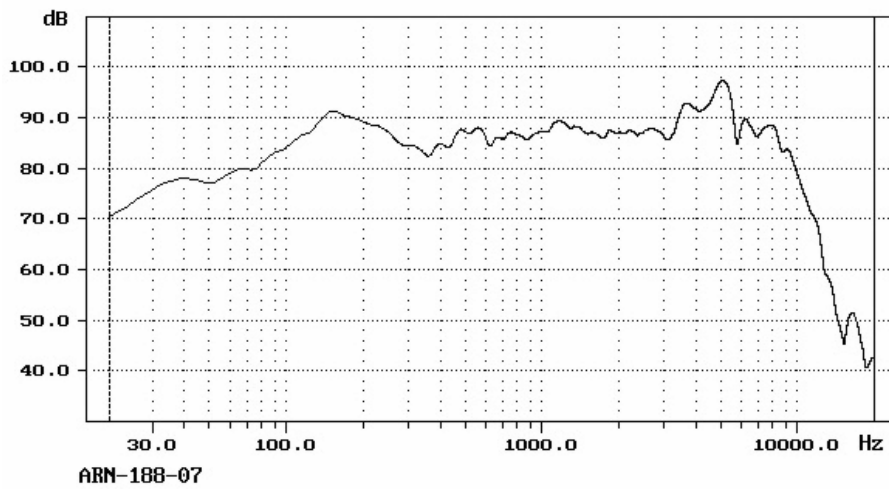
Voice coil carrier material	aluminium	
Voice coil diameter	25.4	mm
Winding height of voice coil	12	mm
Yoke diameter	25	mm
Air gap height	5	mm
Magnet external diameter	82	mm
Magnet internal diameter	33	mm
Magnet height	17	mm
Compensating magnet external diameter	82	mm
Compensating magnet internal diameter	33	mm
Compensating magnet height	17	mm
Weight	1.37	kg

1) DIN IEC 268-5, closed box 10 dm<sup>3</sup>, 300 hrs, interrupted signal

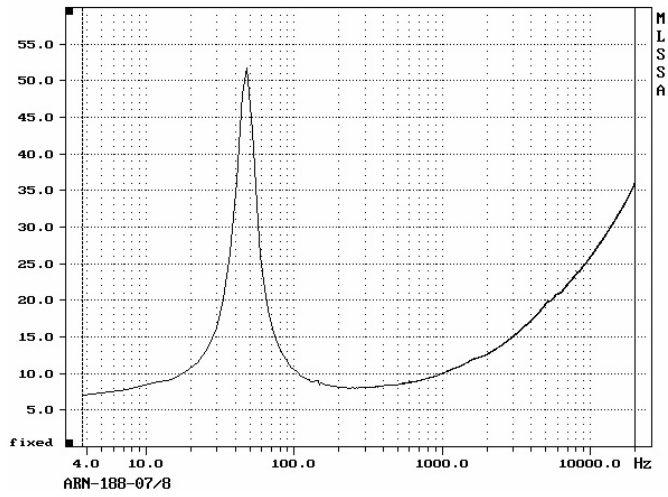
2) ČSN EN 60268-5, closed box 10 dm<sup>3</sup>.

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

### Frequency response



### Impedance Magnitude



### Drawing

