



## Woofer ARN-226-07/4

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 <sup>1)</sup>	70	W
Short term maximum power <sup>2)</sup>	140	W
Rated impedance	4	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	33.000	Hz
Rated frequency range	30 - 3000	Hz
Sensitivity <sup>3)</sup>	88	dB

### TS PARAMETERS

Acquired by MLSSA	-	
Effective piston area $S_d$	216.420	cm <sup>2</sup>
DC resistance of voice coil $R_e$	3.452	Ohm
Mechanical Q factor $Q_{ms}$	4.443	
Electrical Q factor $Q_{es}$	0.494	
Total Q factor $Q_{ts}$	0.444	
Voice coil inductance $L_e$	1.021	
Equivalent volume $V_{as}$	77.136	l
Moving mass (including air load) $M_{ms}$	18.456	g
Suspension compliance $C_{ms}$	1172.535	uM/Newton
Force factor $Bl$	5.267	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	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	82	mm
Compensating magnet internal diameter	33	mm
Compensating magnet height	17	mm
Weight	1.4	kg

1) DIN IEC 268-5, closed box 20 dm<sup>3</sup>

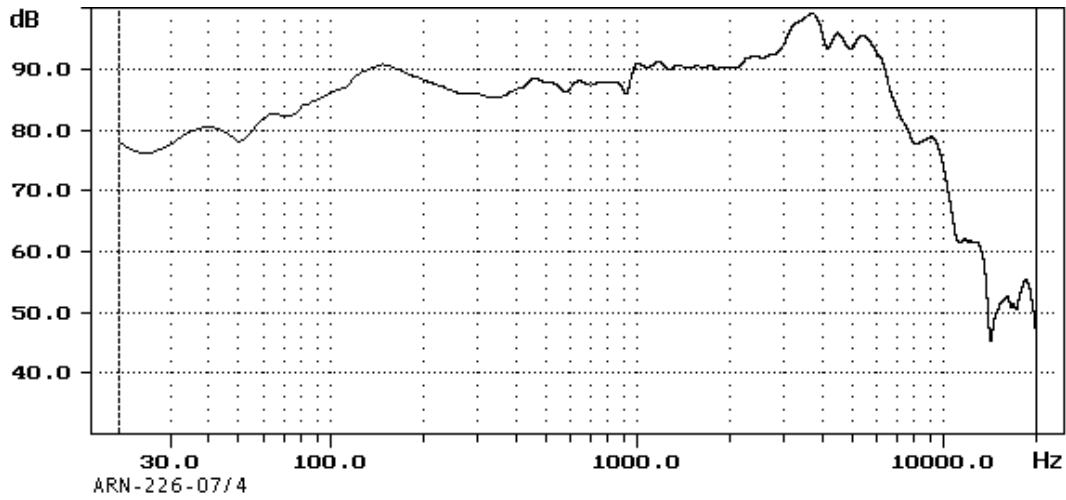
2) CSN IEC 268-5, closed box 20 dm<sup>3</sup>

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

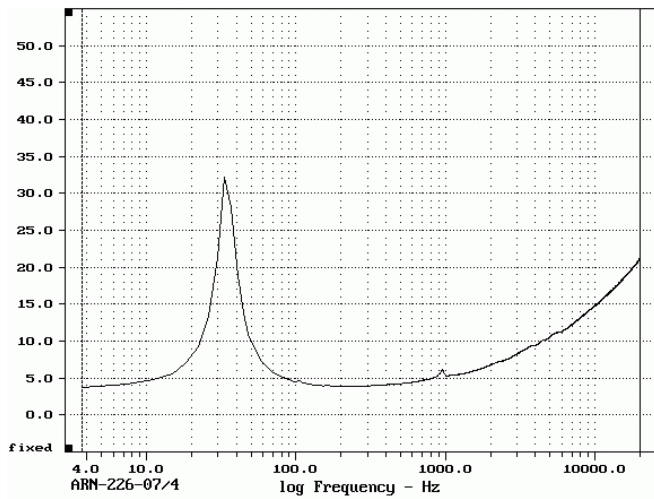
4) ±10%

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

