

TVM Acoustics, Valašské Meziříčí - <http://www.tvm-valmez.cz>**Woofer****ARN-312-00/8**

Woofer with very low resonanace frequency and low distortion intended for use in high quality domestic loudspeaker system.

ACOUSTICAL DATA

Rated noise power ¹⁾	100 W
Short term maximum power ²⁾	300 W
Rated impedance	8 Ohm
Resonance frequency F_s ⁴⁾	22.0 Hz
Rated frequency range	22 - 1000 Hz
Sensitivity ³⁾	90 dB

TS PARAMETERS

Acquired by MLSSA D-0-10	
Effective piston area S_d	460 cm ²
DC resistance of voice coil R_e	7.2 Ohm
Mechanical Q factor Q_{ms}	2.06
Electrical Q factor Q_{es}	0.49
Total Q factor Q_{ts}	0.40
Voice coil inductance L_e	1.3
Equivalent volume V_{as}	194.3 l
Moving mass (including air load) M_{ms}	57.1 g
Suspension compliance C_{ms}	654 uM/Newton
Force factor Bl	11.7 Tm
Maximum linear displacement X_{max} ⁵⁾	9.5 mm

MECHANICAL DATA

Voice coil carrier material	aluminium
Voice coil diameter	51.7 mm
Winding height of voice coil	17.5 mm
Yoke diameter	50.8 mm
Air gap height	8 mm
Magnet external diameter	140 mm
Magnet internal diameter	63 mm
Magnet height	17 mm
Compensating magnet external diameter	- mm
Compensating magnet internal diameter	- mm
Compensating magnet height	- mm
Weight	4.5 kg

TEST CONDITIONS

Sweep voltage	11 V
Frequency range	20 - 2000 Hz

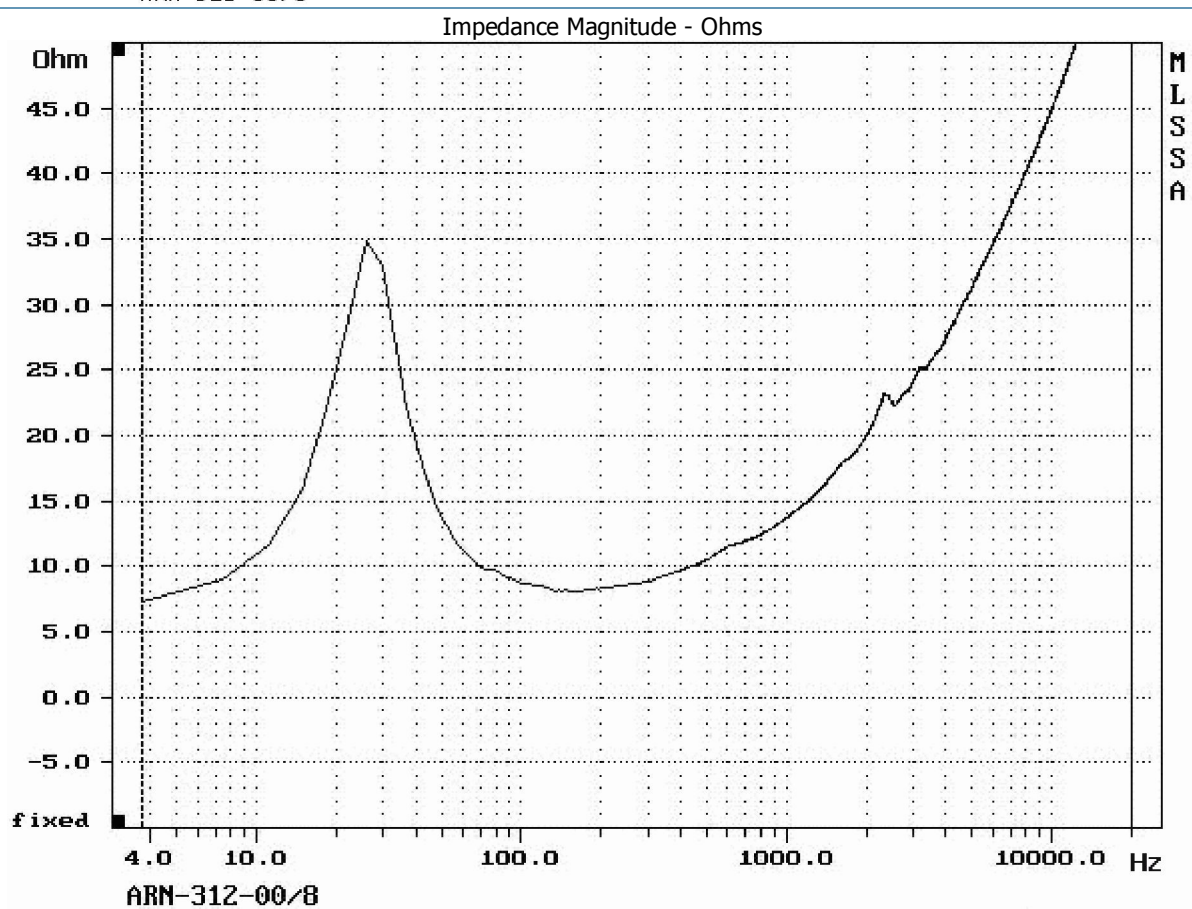
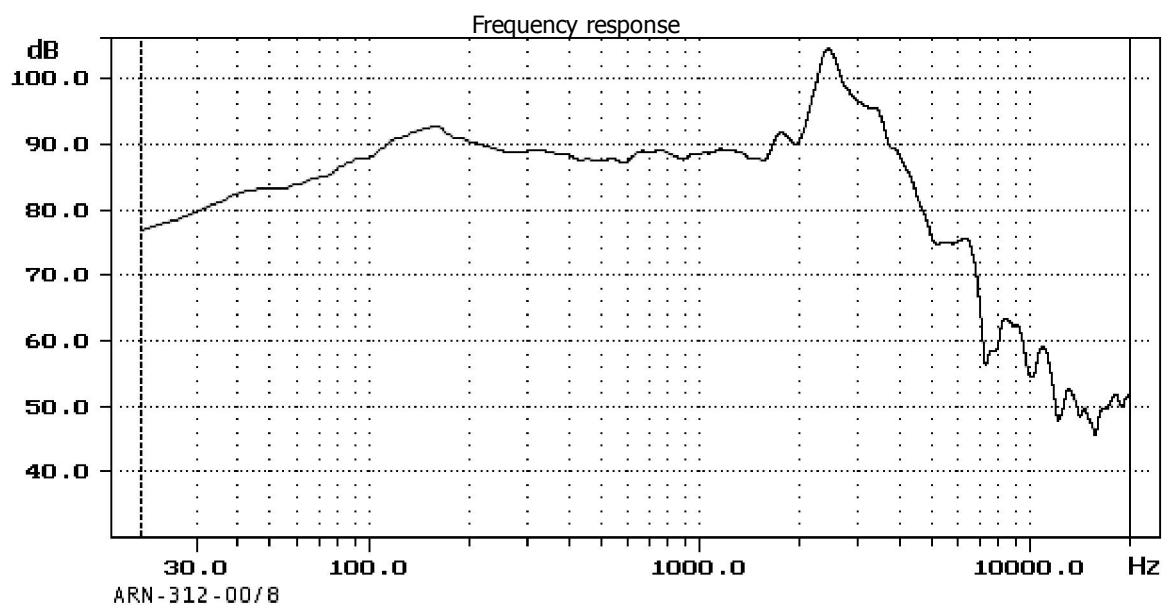
1) DIN IEC 268-5, closed box 70 dm³

2) CSN IEC 268-5, closed box 70 dm³

3) CSN IEC 268-5, standard baffle, 1W, 1 m, 100 - 1000 Hz

4) -2 Hz +3 Hz

5) Peak - peak



Drawing

