



Woofer ARN-130-69/8

Woofer with shielded magnetic circuit and with the dual voice coil for use in subwoofer systems of TV sets.

ACOUSTICAL DATA

Rated noise power ¹⁾	2x 10	W
Short term maximum power ²⁾	2x 25	W
Rated impedance	2x 8	Ohm
Resonance frequency F_s ⁴⁾	55.000	Hz
Rated frequency range	60 - 16000	Hz
Sensitivity ³⁾	85	dB

TS PARAMETERS

Acquired by MLSSA	D-0-10	
Effective piston area S_d	72.380	cm ²
DC resistance of voice coil R_e	7.159	Ohm
Mechanical Q factor Q_{ms}	3.021	
Electrical Q factor Q_{es}	1.804	
Total Q factor Q_{ts}	1.130	
Voice coil inductance L_e	0.184	
Equivalent volume V_{as}	7.739	l
Moving mass (including air load) M_{ms}	5.801	g
Suspension compliance C_{ms}	1051.652	uM/Newton
Force factor Bl	3.053	Tm
Maximum linear displacement X_{max} ⁵⁾	0.4	mm

MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	19.6	mm
Winding height of voice coil	4.4	mm
Yoke diameter	18	mm
Air gap height	3.5	mm
Magnet external diameter	60	mm
Magnet internal diameter	26	mm
Magnet height	13	mm
Compensating magnet external diameter	-	mm
Compensating magnet internal diameter	-	mm
Compensating magnet height	-	mm
Weight	0.7	kg

1) DIN IEC 268-5, closed box 10 dm³

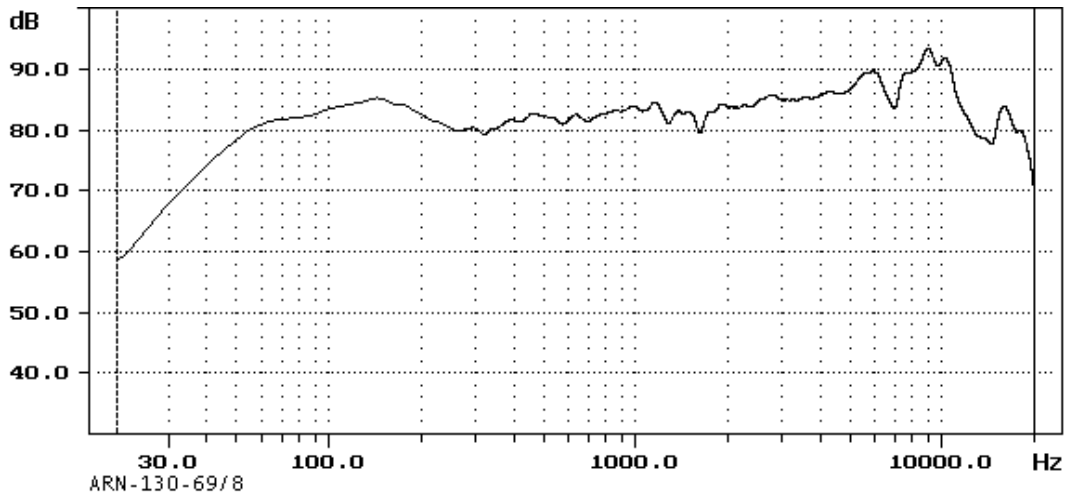
2) CSN IEC 268-5, closed box 10 dm³

3) CSN IEC 286-5, standard box, 1W, 1 m, 100 - 20000 Hz

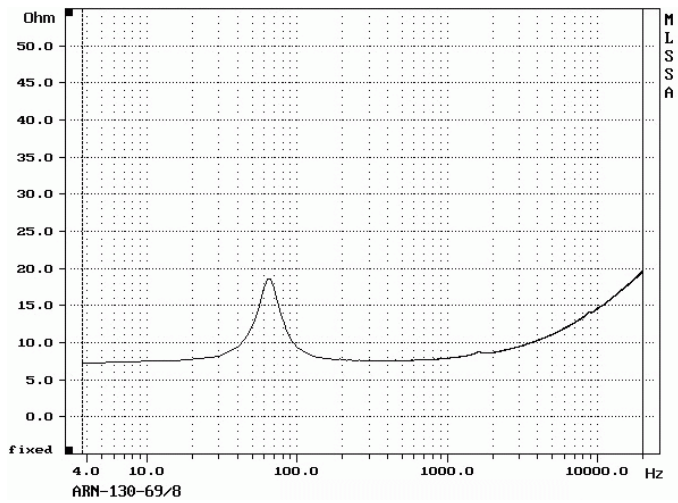
4) ±15 Hz

5) Peak - peak

Frequency response



Impedance Magnitude



Drawing

