



## Car speaker ARX-130-46/8

A direct-radiator electrodynamic loudspeaker with a high-tone cone to radiate the lower and medium, possibly also the whole band of audible frequencies for use in products of consumer electronics, in loudspeakers sets for low-power decentralized sound-tracking but mainly for sound-tracking of cars.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	25	W
Short term maximum power <sup>2)</sup>	75	W
Rated impedance	8	Ohm
Resonance frequency $F_s$ <sup>4)</sup>	100.000	Hz
Rated frequency range	70 - 17000	Hz
Sensitivity <sup>3)</sup>	87	dB

### TS PARAMETERS

Acquired by MLSSA	-	
Effective piston area $S_d$	72.380	cm <sup>2</sup>
DC resistance of voice coil $R_e$	7.425	Ohm
Mechanical Q factor $Q_{ms}$	3.823	
Electrical Q factor $Q_{es}$	2.293	
Total Q factor $Q_{ts}$	1.433	
Voice coil inductance $L_e$	0.227	
Equivalent volume $V_{as}$	3.587	l
Moving mass (including air load) $M_{ms}$	4.772	g
Suspension compliance $C_{ms}$	487.501	uM/Newton
Force factor $Bl$	3.183	Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	1.2	mm

### MECHANICAL DATA

Voice coil carrier material	aluminium	
Voice coil diameter	18.4	mm
Winding height of voice coil	4.3	mm
Yoke diameter	18	mm
Air gap height	4	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	0.4	kg

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

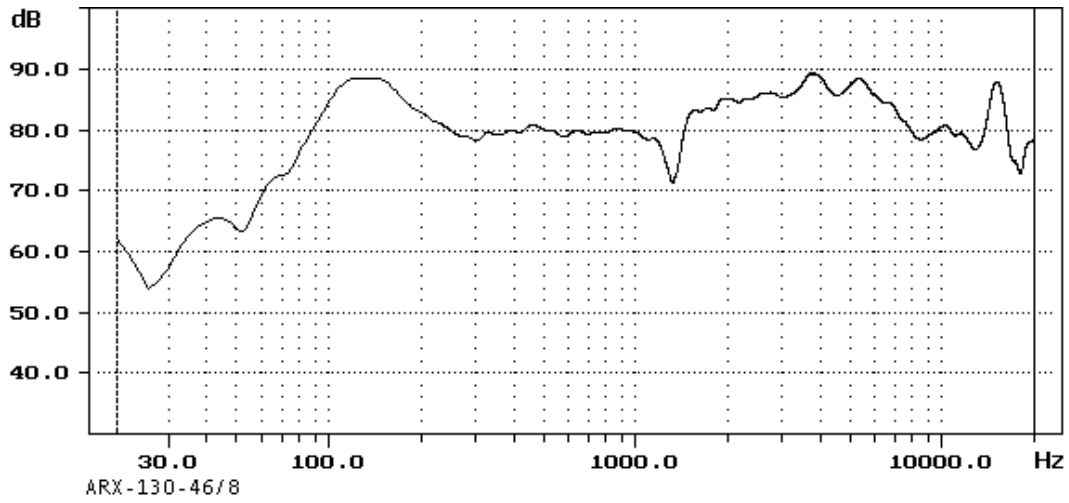
2) CSN IEC 268-5, closed box 5 dm<sup>3</sup>

3) CSN IEC 268-5, standard baffle, 1 W, 1 m, 200 - 10000 Hz

4) ±15 Hz

5) Peak - peak

Frequency response



Drawing

