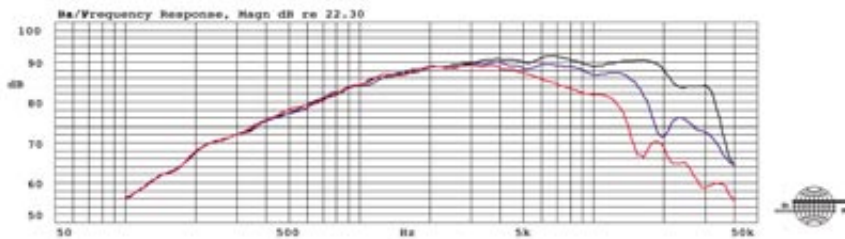


# MD 130

## Frequency response • on-axis, 30° and 60° off-axis



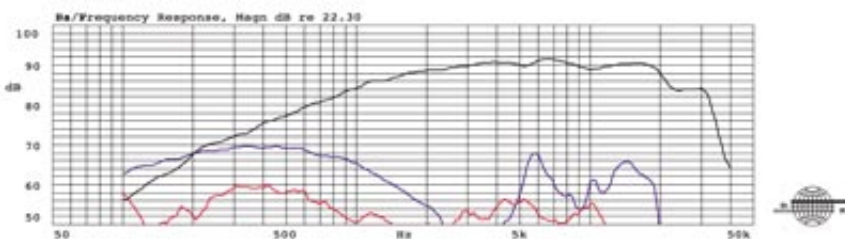
Thick line: on-axis response  
Dashed line: 30° horizontal  
Thin line: 60° horizontal

### Measurement conditions

Level: 2.83 V  
Distance: 1 m

Measured in a large baffle

## Frequency response • 2nd and 3rd harmonic distortion



Thick line: on-axis response  
Dashed line: 2nd harmonic  
Thin line: 3rd harmonic

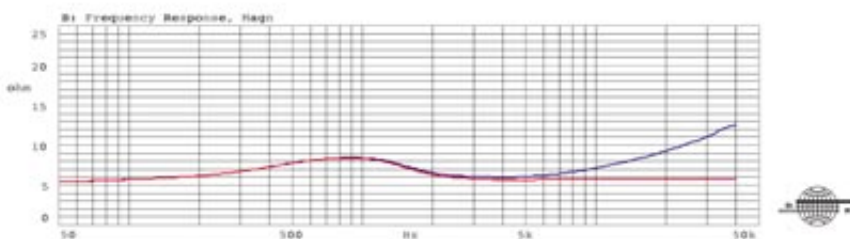
2nd and 3rd harmonic raised 20 dB

### Measurement conditions

Level: 2.83 V  
Distance: 1 m

Measured in a large baffle

## Impedance • with and without impedance correction circuit



Thick line: impedance, free air  
Thin line: impedance, free air with compensation

See drawing below.

### Measurement conditions

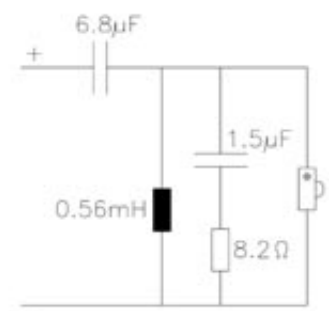
Level: 0.2 V  
Driver in free air

The MD130 has a smooth and wide frequency range extending to beyond 30 kHz. It exhibits excellent dispersion even 60 degrees off-axis, which makes it ideal for use in a car, where the listener in most installations will be off the tweeter-axis.

The distortion is very low and at frequencies below approximately 2 kHz it will be greatly reduced by the crossover.

The extremely linear impedance curve makes the MD130 an ideal and easy load for the amplifier.

As the MD130 has no built-in crossover, always use an external passive or active crossover.



Typical crossover

## MD 130

## Technical Specifications

<b>Thiele Small Parameters:</b>		<b>Magnet and Voice Coil</b>	
Nominal Impedance (Znom):	8 Ohm	Voice coil diameter (dc):	28mm
DC Resistance (Re):	5.1 Ohm	Voice coil height (hc):	2.8mm
Voice Coil Inductance (Le):	0.08 mH	Voice coil layers (nc):	2
Resonance Frequency (fs):	850 Hz	Magnetic gap height (hg):	2.5mm
Mechanical Q Factor (Qms):	0.7	Linear excursion:	- mm (peak to peak)
Electrical Q Factor (Qes):	0.9	Max. excursion:	- mm (peak to peak)
Total Q Factor (Qts):	0.4	Magnet weight (wm):	0.24 kg
Mechanical Resistance (Rms):	- kg/s	<b>Power Handling</b>	
Moving Mass (incl. air load, Mms):	0.4g	Nominal long term IEC:	130W
Suspension Compliance (Cms):	- mm/N	Transient (10ms):	1000W
Effective Dome Diameter (d):	31.3 mm	<b>Mechanical Properties</b>	
Effective Piston Area (Sd):	7.7 cm squared	Net Weight:	0.64 kg
Equivalent Volume (Vas):	- l	Overall dimension:	111 mm diameter x 50mm
Force Factor (Bl):	3.3 Tm		
Recommended Frequency Range:	2000 - 30000 Hz		