



AMT330

AMT321

H213

H13

MT SPEAKERS

MT speakers offer together the qualities which usually can be found only separately in high quality speakers of different technologies: transparency and three-dimensional stage (electrostatics), dynamics and high efficiency (horn systems), linearity (dynamic systems).

The main driver is the AMT (Air Motion Transformer) by Oscar HEIL, which for us is the best mid-high in the market. Using a planar diaphragm it has the transparency of the electrostatics, it is a dipole and it's probably the fastest (15 μ s square wave rise time) driver in the world. It overcomes dome tweeters on every aspect: *efficiency* (100 db), *dynamics* (50 db of difference), *dispersion* (120°, front and rear), *impedance* (it behaves like a resistor), *mid frequencies reproduction* (from 900 Hz), *low distortion* and *power capability* (over 1000 W peak power), *air driving area* (3.5 times). It's the only one which can reproduce real instruments dynamics and attacks, with its "instant acceleration". It's not easy to match traditional drivers to a so advanced component. Fast, efficient and powerful woofers, using polypropylene cones, massive magnets and copper voice coils, bonded with high temperature epoxy to precision aluminium form, have been developed to give warmth to the mid-bass and at the same time to follow accurately the violent dynamics of the AMT.

Optimal blending of the drivers is achieved by sophisticated crossover networks which utilize high voltage, high quality capacitors, precision air core inductors and heavy duty wire-wound level control. The slopes between the AMT and the woofers are soft to obtain a very good phase and dynamic response without energy holes in the crossover points. Speaker cabinets are well engineered components where care has also been taken with appearance. They are strategically braced and reinforced for structural rigidity in order to minimize cabinet-induced resonance. Their baffle boards are rounded to avoid holes in the frequency response out of axis. They are constructed from mdf and solid wood board and veneered with the highest furniture grade walnut or lacquered.

The result of all this work and of exhausting listening sessions is "a speaker of incredible performances. The successful matching of the classic qualities of a home speaker, there is a flat response, transparency and musicality, and the dynamic qualities of the best professional monitors makes them very special speakers" (AMT330: Audio Review Oct. 91). They can achieve awesome undistorted sound levels, or can be driven by small power class A or tube amplifiers in a small room. Detail and clarity, wide dispersion and consequently an overall spaciousness to rival the live concert, the infinite dynamics, the coherence of the instruments and of the stage at any volume and in any listening point in the room, puts them among the few realistic speakers in the world.

SPECIFICATIONS	AMT 330	AMT 321	H 213	H 13
Woofers	30 cm	20 cm	2X13 cm	13 cm
Mid-Bass	17 cm	17 cm		
Mid-High	HEIL	HEIL	HEIL	HEIL
Crossover	250 Hz, 1.5KHz	250 Hz, 1.5KHz	2.5 KHz	2.5 KHz
Impedance	4 Ohm	4 Ohm	4 Ohm	4 Ohm
Power Handling	800 W	150 W	200 W	100W
Efficiency 1W/1metro	93 dB	92 dB	93 dB	90 dB
Frequency Response	30Hz-23 KHz	33 Hz-23 KHz	38 Hz-23KHz	40Hz-23KHz
Dimensions (h x w x d) cm	120 X 42 X 39	107 X 26,5 X 36	95 X 19,6 X 30	33,5 X 20 X 26
Cabinet finish: Standard	black lacquer	black lacquer	black lacquer	black lacquer
Special	cherry, walnut	cherry, walnut	cherry, walnut	cherry, walnut
Weight	50 Kg	28 Kg	18 Kg	8 Kg



H13



H16



H213

MT H SERIES

The K Series is an excellent synthesis of performance, finishing and price.

The mid high is the famous HEIL TRANSFORMER, a still today unmatched driver. The speed (15 μ s s.w. rise time) and consequently the fidelity to the original signal is unapproachable. The wide air driving area permits a very good reproduction of the mid frequencies. The wide horizontal dispersion (120°) fills the room avoiding the listening fatigue typical of directive drivers and makes not critical the listening point. It has the typical transparency of the ribbons but it hasn't the typical defects of them: directivity and low efficiency. It's the only one which can reproduce real instruments dynamics and attacks, with its "instant acceleration".

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Speaker cabinets are well engineered components where care has also been taken with appearance. They are strategically braced and reinforced for structural rigidity in order to minimize cabinet-induced resonance. Their baffle boards are rounded to avoid holes in the frequency response out of axis. They are constructed from mdf and solid wood board and veneered with the highest furniture grade.

Thanks to their high efficiency and detail they can be easily driven by small tube amplifiers for a pleasant listening at low volume and thanks to their power capability they can bear the peaks of currents produced by powerful solid state amps, achieving astonishing, in speakers of this sizes, undistorted sound levels. You can choose according to your taste or your room.

DATI TECNICI	H 13	H 16	H 213
Woofers	13 cm	17 cm	2X13 cm
Mid-High	HEIL	HEIL	HEIL
Crossover	2.5 KHz	2.5 KHz	2.5 KHz
Impedenza	4 Ohm	4 Ohm	4 Ohm
Potenza Massima	100 W	150 W	150 W
Efficienza 1W/1metro	93 dB	93 dB	95 dB
Risposta in Frequenza	50Hz-23 KHz	50Hz-23 KHz	35 Hz-23 KHz
Dimensioni (HXLXP)cm	33,5 X 20 X 26	40 X 23,3 X 29	95 X 19,6 X 30

SPECIFICATIONS	AMT 330	AMT 326	AMT321	AMT161
Woofers	30 cm	25 cm	20 cm	17 cm
Mid-Bass	17 cm	17 cm	17 cm	
Mid-High	HEIL	HEIL	HEIL	HEIL
Crossover	250 Hz, 1.5KHz	250 Hz, 1.5KHz	250Hz, 1.5 KHz	1.5 KHz
Impedance	4 Ohm	4 Ohm	4 Ohm	4 Ohm
Power Handling	300 W	200 W	150 W	100W
Efficiency 1W/1metro	93 dB	94 dB	93 dB	93 dB
Frequency Response	30Hz-23 KHz	33 Hz-23 KHz	38 Hz-23KHz	40Hz-23KHz
Dimensions (HXLXP) cm	122 X 38 X 44	117 X 32 X 36,5	110 X 26,5 X 36,5	53 X 23,5 X 30

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