

MAR. 94

BASS MIDRANCE

61/2" - HD-A - CONE DRIVER - 170 mm

4Ω

CAR LINE

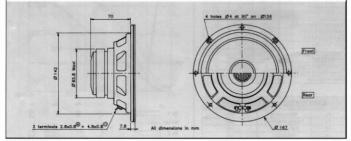
HD-A (High Definition Aerogel) cone Hi fi automotive application High loss rubber suspension High temperature voice coil Linear frequency resonse stamped steel chassis Vented pole piece Black passivated magnet structure

Cône Haute Définition Aérogel (HD-A) Application Hi Fi automobile Suspention caoutchouc amortissant Bobine haute temperature Courbe de réponse linéaire Châssis acier embouti Noyau ventilé Pièces polaires zinguées noires



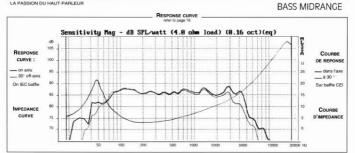
HD-A represents a true breakthrough in loudspeaker cone technology, surpassing all conventional materials being used today. Through an extraordinary combination of newly developed materials and processes, Audas Nas created an insovative composite membrane whose properties are very close to ideal for making loudspeaker diaphragms. Ultra light, extremely rigid and mximized internal damping. This no-compromise come is based on a tocluive, propriotary process acts to perfectly align the fibres along the polymer radia allows total control over the contour and weight of the cone, while making it possible to vary the thickness of the membrane whose allows total control over the contour and weight of the cone, while making it possible to vary the thickness of the membrane along the profile. A vented pole piece and a black passivated magnet structure contribute to the best possible power handling and acoustic performance. The 'suggested applications' charts indicate various driver loads. The resposible proves shown on the diagram indicate the predicted low end response of the driver in the suggested box (other Vb) suggested pox (Dp-1p).

Le cône HD-A constitue une véritable percée technologique dans ce domaine, surpassant tous les matériaus comus à ce jour. Par une extraordinaire association d'une nouvelle matière et d'un procédé original, Audas a créé une membrane composite, innovation dont les propriétés sont proches de l'idéal pour un tranducteur à radiation directe. Ultra léger, extrêmement rigide et partaitement amorti, ce cône sans compromis est constitué d'une marrice contrôlée de gel polymère acrylique enveloppant des fibres dans de Carbone et de Kevlar lidéalement dronnées. Un procédé exclusif Audas permet un alignement optimise des fibres dans la chaine du polymère. Le procédé procure un contrôle total du profit et du poids du cône, tout en offrant la possibilité de faire varier l'épaisseur à chaque endroit. Les procédé polaires zinguées noires ainsi que le noyau vertile contribuent aux performances superieures, tant du point de vue tenue en puisance, que de l'acoustique. Le tableau "Suggested applications" indique diffrents types de charge. Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Dp-Lp).



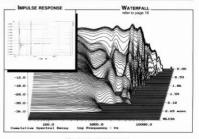
HT170Z0 W04ZGT3013



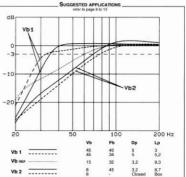


SPECIFICATIONS				
Technical Characteristics	Symbol	Value	Units	
PRIMARY A	PPLICAT	TION	and the second	
Nominal Impedance	Z	4	Ω	
Resonance Frequency	Fs	50	Hz	
Nominal Power Handling	P	60	W	
Sensitivity	E	87	dB	
VOIC	E COIL	W.	237/2413	
Voice coil diameter	Ø	30	mm	
Minimum Impedance	Zmin	4	Ω	
DC Resistance	Re	3.8	Ω	
Voice Coil Inductance	Lbm	0.54	mH	
Voice coil Length	h	12	mm	
Former		Kapton		
Number of layers	n	4	-	
MA	GNET	Taking the	10.8%=4	
Magnet dimensions	Øxh	84 X 15	mm	
Magnet weight	m	0,31	kg	
Flux density	В	1	T	
Force factor	BL	5,2	NA	
Height of magnetic gap	He	5	mm	
Stray flux	Fmag		Am ¹	
Linear excursion	Xmax	±3,5	mm	
PARA	METERS	N. Willow	12.83	
Suspension Compliance	Cms	0.72.10*	mN ⁻¹	
Mechanical Q Factor	Qms	4.07		
Electrical Q Factor	Qes	0,64		
Total Q Factor	Qts	0,56	-	
Mechanical Resistance	Rms	1,12	kg s'	
Moving Mass	Mms	14,9.10°	kg	
Effective Piston Area	S	1,39.10°	m ²	
Volume Equivalent of Air at Cas	Vas	19.10 ⁻³	m ^a	
Mass of speaker	M	0.95	kg	

APPLICATION PARAMETERS			
Vb	Box volume	dm ²	
Fb	Tuning frequency	Hz	
Dp	Port diameter	cm	
Lp	Port length	cm	



HT170Z0



Please refer to method of measurement and measurement conditions pages 15 to 19.

Audax may, without prior notification modify the specifications on its products further to research and development requirements.