

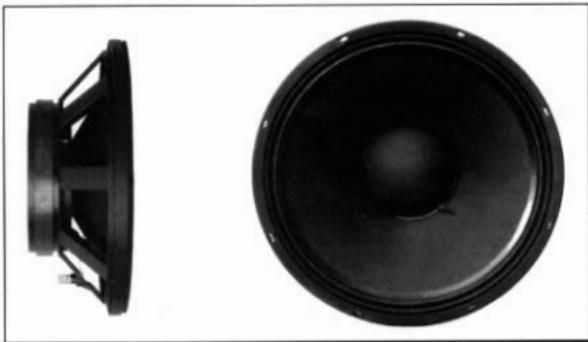
15" - PAPER CONE DRIVER - 380 mm

4 Ω

CAR LINE

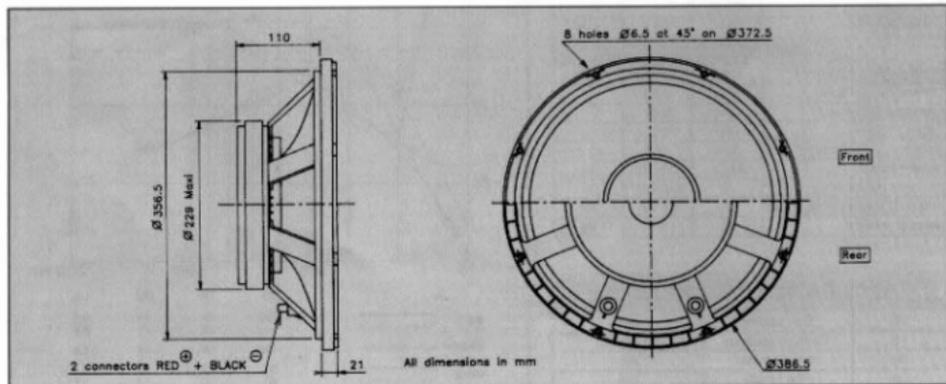
Automotive application
 Ultra high power - 350 W
 Coated textile surround
 Ultra stiff die cast chassis
 Heatsink design - Vented pole piece
 Kapton voice coil former (100 mm Ø)
 Flat copper wire
 Gold plated binding post

Application automobile
 Très forte puissance - 350 W
 Suspension toile traitée
 Châssis moulé ultra-rigide
 Ailettes de refroidissement - Noyau ventilé
 Bobine sur support Kapton (Ø 100 mm)
 Fil cuivre plat sur chant
 Bornes plaquées or



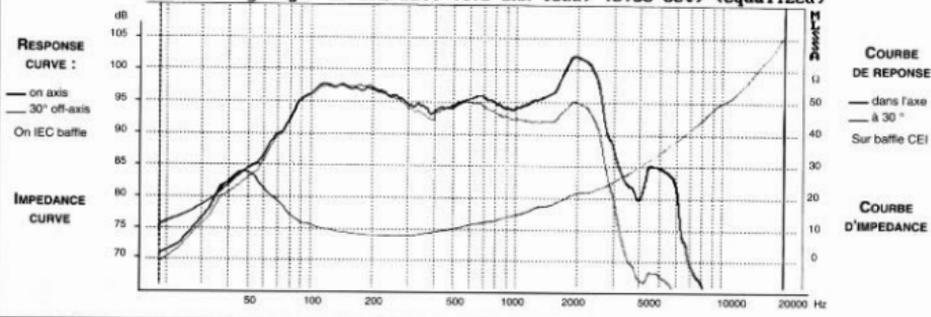
Very high power handling (350 W IEC, 700 W MUSIC), 15" woofer with very high sensitivity (100 dB) designed especially for the ultimate high end automotive systems. The very large (9" diameter) magnet is coupled with a unique 4" flat copper wire, 2 layers edgewound voice coil, which is mounted on a fiberglass reinforced Kapton former. The magnet has a vented pole piece and is heatsinked to the Zamak chassis to maximize heat dissipation. Gold plated binding posts fitted onto the Ultra stiff cast chassis are designed to accept large diameter cables. The "suggested applications" charts indicate various driver loads. The response curves shown on the diagram indicate the predicted low end response of the driver in the suggested box volume (Vb) with suggested port (Dp-Lp).

Ce haut-parleur grave de 380 mm à très haut rendement (100 dB), très forte tenue en puissance (350 W) est particulièrement destiné à des systèmes automobiles de très haut niveau (4 Ω). Il est équipé d'une structure magnétique de grand diamètre (225 mm) et d'une bobine originale de 100 mm sur support Kapton renforcé fibre de verre, comportant 2 couches de fil de cuivre plat sur chant, lui assurant une extrême rigidité. Les ailettes de refroidissement du saladier Zamak moulé ultra rigide et le noyau ventilé assurent une dissipation optimale de la chaleur. Les borniers plaqués or permettent l'utilisation de câbles de forte section. Le tableau "Suggested applications" indique différents 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).



RESPONSE CURVE

refer to page 16

Sensitivity Mag - dB SPL/watt (4.0 ohm load) (0.50 oct) (equalized)

SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
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PRIMARY APPLICATION

Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	47	Hz
Nominal Power Handling	P	350	W
Sensitivity	E	100	dB

VOICE COIL

Voice coil diameter	\varnothing	100	mm
Minimum Impedance	Zmin	5,1	Ω
DC Resistance	Re	2,9	Ω
Voice Coil Inductance	Lbm	0,75	mH
Voice coil Length	h	14	mm
Former	-	Kapton	-
Number of layers	n	2	-

MAGNET

Magnet dimensions	\varnothing x h	224 X 23	mm
Magnet weight	m	3,43	kg
Flux density	B	1,3	T
Force factor	BL	19,55	NA ¹
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am ¹
Linear excursion	Xmax	$\pm 3,5$	mm

PARAMETERS

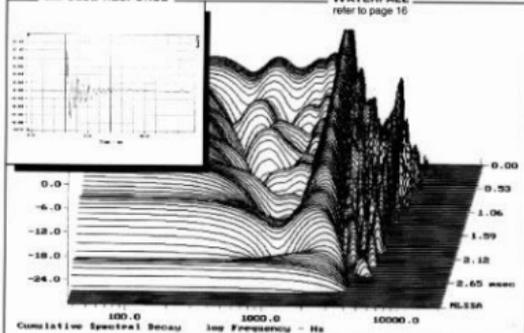
Suspension Compliance	Cms	$0,108 \cdot 10^{-2}$	mN ¹
Mechanical Q Factor	Qms	4,6	-
Electrical Q Factor	Qes	0,24	-
Total Q Factor	Qts	0,23	-
Mechanical Resistance	Rms	8	kg s ¹
Moving Mass	Mms	$108 \cdot 10^{-3}$	kg
Effective Piston Area	S	$8,92 \cdot 10^{-2}$	m ²
Volume Equivalent of Air at Cas	Vas	$120 \cdot 10^{-1}$	m ³
Mass of speaker	M	10	kg

APPLICATION PARAMETERS

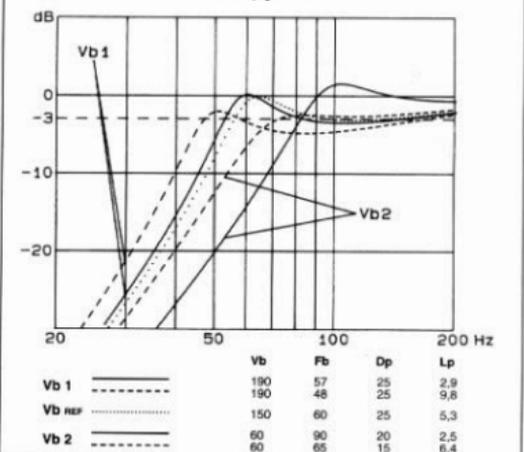
Vb	Box volume	dm ³
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

IMPULSE RESPONSE
WATERFALL

refer to page 16


SUGGESTED APPLICATIONS

refer to page 8 to 13



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.