



AS12-X100

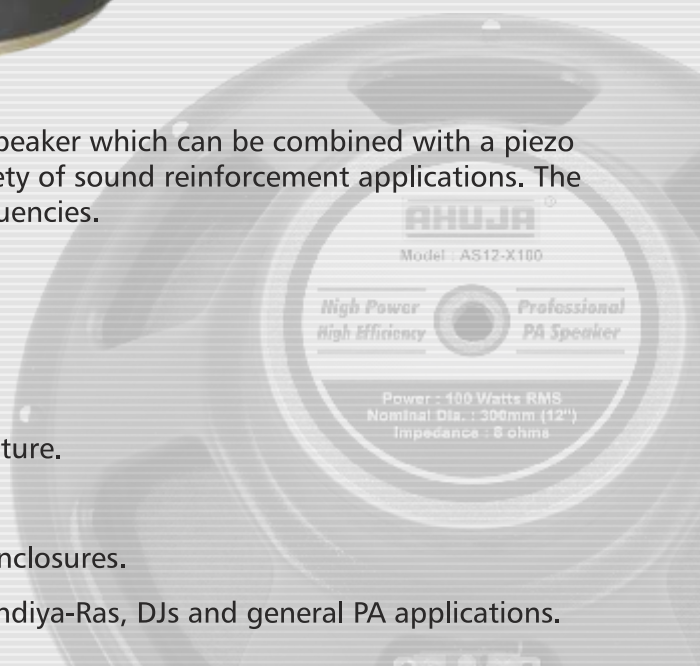
PROFESSIONAL PA SPEAKER



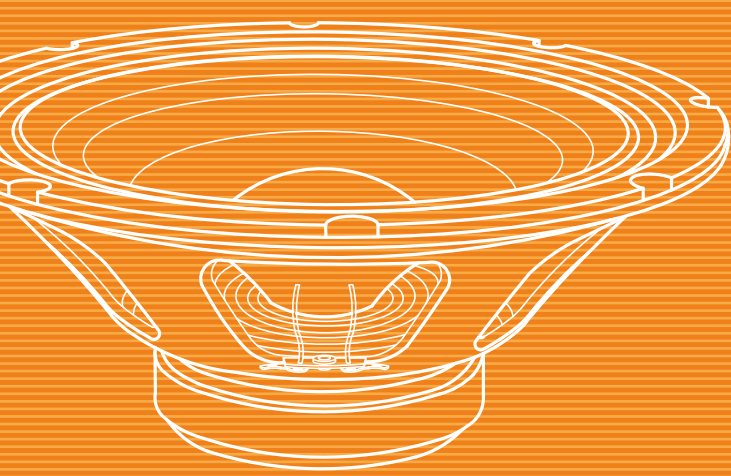
AHUJA introduces a very attractively priced 12" mid-bass speaker which can be combined with a piezo tweeter or compression horn driver to find usage in a variety of sound reinforcement applications. The speaker has been optimized to give vibrant, clear low frequencies.

Features & Applications

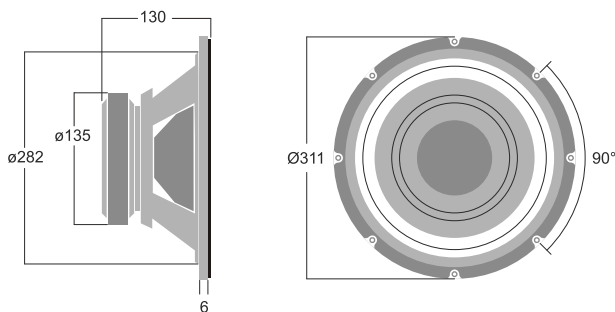
- 100W RMS continuous power handling.
- Sensitivity 97dB/1W/1m.
- Kapton former voice coil for withstanding high temperature.
- Sturdy pressed metal frame in elegant brown colour.
- For use in compact 2-way sealed as well as bass reflex enclosures.
- Excellent low frequency response making it ideal for Dandiya-Ras, DJs and general PA applications.



EFFICIENT | ECONOMICAL | EXCELLENT PERFORMANCE

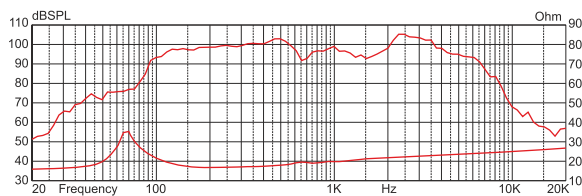


Dimensions



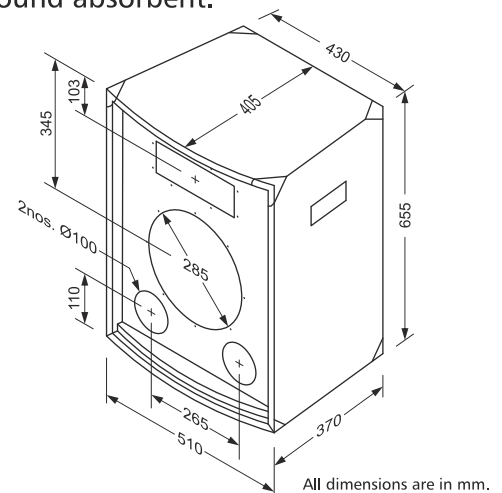
All dimensions are in mm.

Frequency Response Curve



Recommended Enclosure

- Ensure that all corners and joints of the enclosure are perfectly glued, screwed and sealed to avoid cabinet resonances and air leaks.
- Use minimum 18 mm thick MDF board and internally line the enclosure using 1" thick polywool sound absorbent.



All dimensions are in mm.

Specifications

Power Rating	100W RMS	Surface Area of Cone (Sd)	510cm ²
Nominal Diameter	305 mm (12")	Reference Efficiency (η _o)	3.09%
Nominal Impedance	8Ω	Voice Coil Diameter	1.5"
Sensitivity (1W/1m)	97dB	Overhang (X _{max})	2.0 mm
Magnet Weight	1.1kg	Moving Mass (M _{ms})	25.5gm
Resonant Frequency (F _s)	70Hz	BL Product (BL)	9.2TM
Nominal DC Resistance (R _e)	6.0Ω	Overall Diameter	311 mm
Electromagnetic Q (Q _{es})	0.79	Depth	130 mm
Mechanical Q (Q _{ms})	5.5	Baffle Hole Diameter	285 mm
Total Q (Q _{ts})	0.69	Bolt Mount Diameter (PCD)	292 mm (8 Bolts)
Compliance Equivalent Volume (V _{AS})	74.23Litr	Weight	3.20kg approx.

Design and Specifications are subject to change without notice. • AHUJA is a registered trademark of Ahuja Radios in India and other countries.
 © Copyright Ahuja Radios, 2010 reprint 2011. All rights reserved. Any unauthorized reproduction or use of logos, images or design elements is strictly prohibited by law.
 No part of the compilation may be reproduced in any manner or translated without written permission.

AHUJA RADIOS

C-45, PHASE-II, NOIDA - 201305 (UP) Tel.: +91-120-4270715

E-mail: ahuja@ahujaradios.com, admin@ahujaradios.com Website: www.ahujaradios.com