



AERONS (INDIA)

*Exclusive Chassis*

**U Y35**  
GRADE FERRITE MAGNET

**AERONS  
SPEAKER**  
PROFESSIONAL AUDIO SYSTEM



**HX153**

**500W RMS Power**

**46Hz - 4KHz Frequency Range**

**3 inch Voice Coil**

**99dB Sensitivity**

**190\*25mm magnet**

## GENERAL SPECIFICATIONS

|                              |                |
|------------------------------|----------------|
| Nominal Diameter             | 15inch         |
| Nominal Impedance            | 8ohm           |
| Minimum Impedance            | 5.1 ohm        |
| Nominal Power Handling       | 500Watts       |
| Continuous Power Handling    | 1000Watts      |
| Sensitivity                  | 99dB           |
| Frequency Range              | 46-4000Hz      |
| Voice-coil Diameter          | 76.2mm         |
| Voice-coil Material          | CCAW           |
| Voice-coil Winding Depth     | 20 mm          |
| Effective Diaphragm Diameter | 335Mm          |
| Kind of layer                | In/out         |
| Number of layers             | 2              |
| Top Plate Thickness          | 10mm           |
| Spider                       | Silicon Spider |
| Flux Density                 | 1.25T          |
| Magnet Diameter              | 190*25mm       |
| Magnet Material              | Ferrite        |
| Magnet Grade                 | Y35            |
| Magnet Gap Depth             | 10mm           |

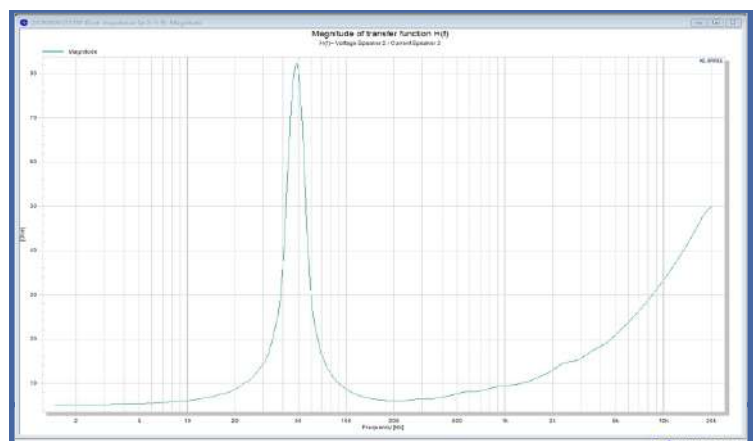
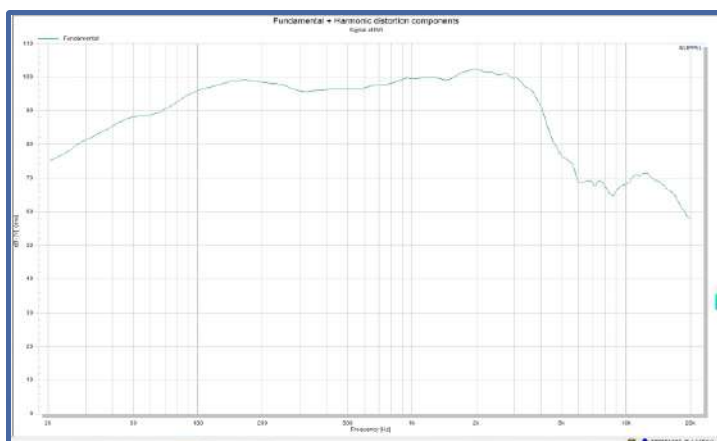
## THIELE-SMALL PARAMETERS

|                              |      |                       |
|------------------------------|------|-----------------------|
| Resonance Frequency          | Fs   | 45Hz                  |
| DC Resistance                | Rte  | 5.1 ohm               |
| Mechanical Factor            | Qms  | 9.62                  |
| Electrical Factor            | Qes  | 0.392                 |
| Total Factor                 | Qts  | 0.383                 |
| BL Factor                    | BL   | 19.02 T-m             |
| Effective Moving Mass        | Mms  | 102.78gr              |
| Equivalent Cas Air Load      | Vas  | 115.98liter           |
| Effective Piston Area        | Sd   | 0.8814 m <sup>2</sup> |
| Max. Linear Excursion        | Xmax | 5 mm                  |
| Half Space Efficiency        | Eff  | 2.26%                 |
| Efficiency Bandwidth Product | EBP  | 101.77                |
| Compliance Value             | CMS  | 0.116mm               |



## MOUNTING&SHIPPING INFORMATION

|                     |        |
|---------------------|--------|
| Overall Diameter    | 393mm  |
| Buffer Cut-out Dia. | 373mm  |
| Bolt Circle Dia.    | 353mm  |
| Bolt Hole Dia.      | 7.2mm  |
| Overall Depth       | 172mm  |
| Magnet Dia.         | 190mm  |
| Net Weight          | 8.1 kg |



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[www.aeronsindia.com](http://www.aeronsindia.com)