

VCS500

6W Recessed Ceiling Speaker



The Design

VCS series of Velox by ATEIS Ceiling speakers has excellent aesthetic look with a clean and neat metal grill. The unit comes with 100V / 70V LMT (Line Matching Transformer) with 3 tapings i.e. 6W, 3W & 1.5W.

Unit is equipped with 4 pin screw terminal for tapping & common wires. VCS is shipped with Individual box packing for safe transportation.

The unit comes with Snow white colour which suits its application on any surface. The VCS is equipped with two quick release springs type clamps for easy mounting in False ceiling.

Architecture & Engineering Specifications

The ceiling mounted 6W speakers shall be installed as depicted in the drawing. The speakers shall be finished in Snow White in stylish metal chassis. The speakers shall have terminals to allow selection of nominal full power, half power & quarter power. Assembly shall comprise of a twin cone loudspeaker and shall be fitted with a 6Watt/100Volt transformer. The loudspeaker baffle shall be a round two-part bezel comprising an inner metal mesh grille, and chassis with integral loudspeaker having no visible fixings. Installation shall be by pre mounted torsion-springs for False ceiling mounting.

Loudspeaker shall have wide angle dispersion of cone shall be a damped, high compliance type with a smooth extended frequency response of 110Hz~17.5kHz.

The speakers shall be very easy to install with mounting clamps. It shall have excellent frequency response with wide opening angle & inbuilt 100V line matching transformer. It should blend aesthetically with interiors.

Features & Benefits

- Elegant Metal Grill
- Quick release spring type clamps
- Excellent Frequency response
- Suitable for PAVA & BGM Applications
- Multiple tapping of 6W, 3W & 1.5W

Easy & Quick Installation

It takes only 5 seconds for Velox VCS500 to terminate & mount in False ceiling a single speaker, that makes this favourite choice of Installation engineers/technicians.

Applications

The VCS present an excellent choice for all ceiling type installations such as Hotels, Schools, Airports, Malls, corridors, offices, hospitals & other applications seeking high quality sound reproduction of BGM, EVAC & Public Address.

VCS gives economical solution with one of the best Audio Quality in industry. Its wide coverage helps in better coverage at listener level & helps in even sound distribution over the desired zone/listening plane.

Technical Specifications

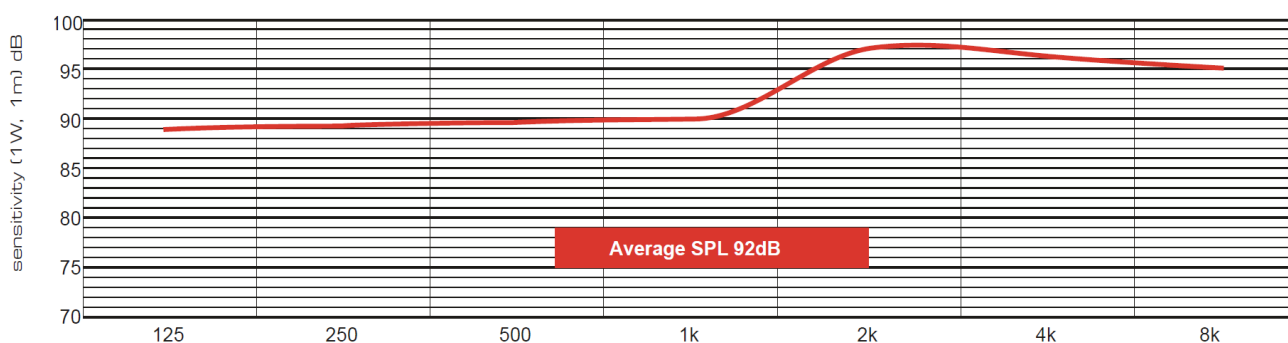
Item	Specification Detail
Electrical	
Electrical Power (RMS), Watts	6 W
Tappings 100V Line , Watts	6 / 3/ 1.5
Transformer Impedance, Ohms, 100V:	1.67k/3.33k/6.66k
Tappings 70.7 volt line, Watts:	3 / 1.5 / 0.75
Driver impedance, Ohms:	8
Effective frequency range, Hz :	110Hz - 17.5kHz
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100 Hz-10 kHz:	92
S.P.L. @ Full power Octave Bandwidth, dB:	97
Dispersion at 1kHz/2kHz, Degrees:	180
Directivity Axial Q factor, 1kHz:	2.3
Environmental	
IP Rating	21
Max/Min Amb Temp:	55°/-10°C
Relative Humidity:	≤95%
Mechanical	
Dimensions, mm:	Height 70, Ø170
Net Weight, Kgs:	0.5
Colour (Unless Specified):	White
Grill Material:	Steel
Mounting:	2 quick release springs
Cut-out, mm:	Ø145

Order Codes

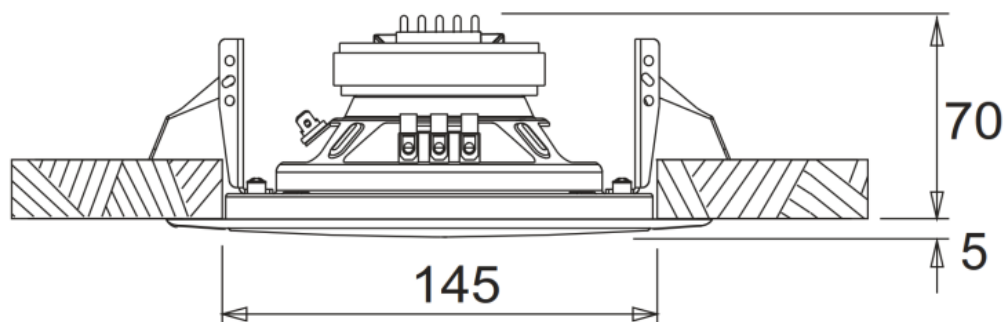
Part No.	Description
VCS500	6W Recessed Ceiling speaker

Frequency Response

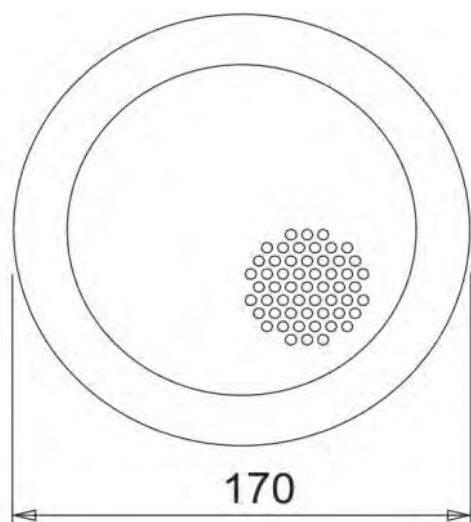
Speech octave band sensitivity



Side View



Front View



Circuit Diagram

