

# Venu 10

## Key features:

- Compact and unobtrusive appearance
- Rotatable 90°H x 60°V HF waveguide
- 10" low frequency driver
- 1" high frequency compression driver
- Textured polyurethane finish, optional custom colours
- Multiple internal M8 rigging points
- Perforated steel grille

## Applications:

- Bar, club, lounge
- Hotel, restaurant



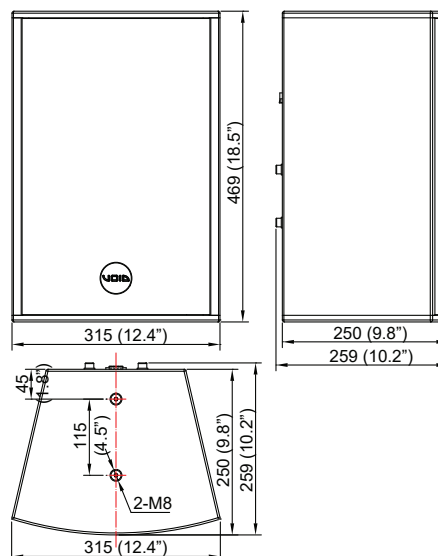
The 10" based Venu 10 has been designed to offer everything you could ask for from an installation loudspeaker. The entire Venu series has been created from the demands of many leading installation contractors and engineers around the world.

Features that make the passive two-way Venu 10 so convenient to install and use include: the Easy Hang wall bracket that supports the enclosure, either vertically or horizontally, and requires only one set of hands to attach the enclosure; the Phoenix connector with link through for super and reliable hook ups; the rotatable 90° horizontal by 60° vertical high frequency horn, allowing the correct dispersion to be maintained in vertical or horizontal mounting positions; electronic high frequency protection for increased reliability; M8 flying points for horizontal ceiling suspension; weather-resistant grille and fittings suitable for beach bars and other corrosive environments; the rotatable logo to allow for correct display in either vertical or horizontal positions; and an enclosure made entirely from 15 mm multi-laminate birch plywood.

## Specifications

Frequency Response	52 Hz - 22 kHz $\pm 3$ dB
Efficiency <sup>1</sup>	97 dB 1W/1m
Crossover Points	2.1 kHz passive
Nominal Impedance	8 $\Omega$
Power Handling <sup>2</sup>	350 W AES
Maximum Output <sup>3</sup>	123 dB cont, 126 dB peak
Driver Configuration	1 x 10" LF, 1 x 1" HF compression driver
Dispersion	90°H x 60°V rotatable
Protection	HF electronic device
Connectors	1 x Phoenix with link out
Weight	14.5 kg (32 lbs)
Enclosure	15 mm birch plywood
Finish	Textured polyurethane
Grille	Perforated steel with foam filter

<sup>1</sup> Measured in half space <sup>2</sup> AES2 - 1984 compliant <sup>3</sup> Calculated



# Venu 10

## Architectural specifications

The loudspeaker shall be a passive two-way system consisting of one high power 10" (250 mm), direct radiating reflex, loaded low frequency (LF) transducer and 1" (25 mm) diameter composite plastic exit high frequency (HF) compression driver mounted on a user rotatable elliptic horn in a trapezoidal enclosure.

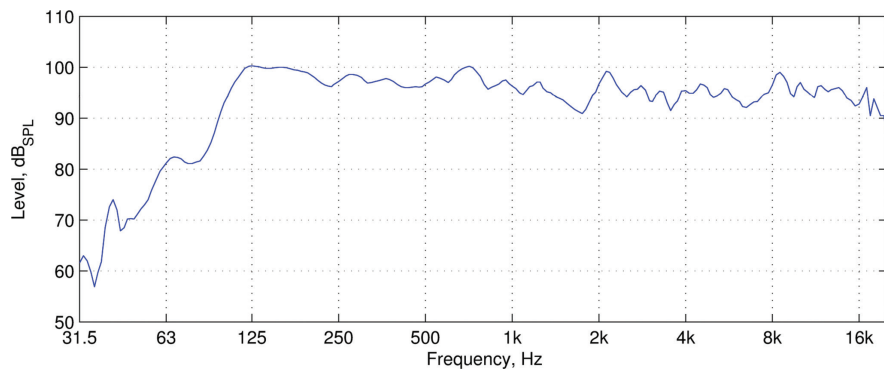
The low frequency transducer shall be constructed on a cast aluminium frame, with a treated paper cone, 50.8 mm (2") voice coil, wound with copper wires on a high quality Kapton voice coil former, for high power handling and long-term reliability. The high frequency transducer shall project its sound through an elliptic horn with a 150 mm (6") baffle diameter to achieve pattern control and low distortion.

Performance specifications for a typical production unit shall be as follows: the usable on-axis bandwidth shall be 52 Hz to 22 kHz ( $\pm 3$  dB) and with an average 90° directivity pattern on the horizontal axis and 60° on the vertical one (-6 dB down from on-axis level) from 1 kHz to 12 kHz; and a maximum SPL of 126 dB peak measured at 1 m using IEC268-5 pink noise. Power

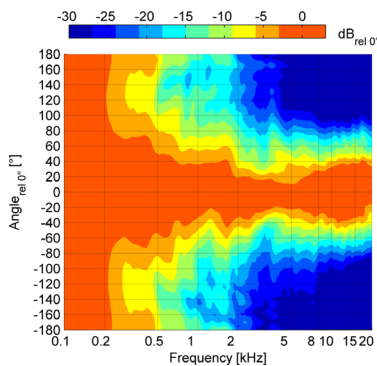
handling shall be 350 W AES at a rated impedance of 8  $\Omega$ . Crossover point shall be at 2.1 kHz using a 3rd order filter (18 dB per octave). The system shall be powered by its own dedicated power amplification module with DSP management, with the wiring connection via a single removable, lockable wiring connector with four screw-down terminals (one pair for input and one pair for loop-out to another loudspeaker) to provide secure wiring and allow for pre-wiring of the connector before the installation. This connector should then screw lock to the enclosure to ensure secure attachment.

The enclosure shall be of a trapezoidal shape constructed from a 15 mm multi-laminate birch plywood of 15 mm construction with a textured polyurethane finish and shall include integral threaded inserts for the fitment of wall and ceiling mounting hardware with external dimensions of (W) 315 mm x (H) 469 mm x (D) 250 mm (12.4" x 18.5" x 9.8"). Weight shall be 14.5 kg (32 lbs).

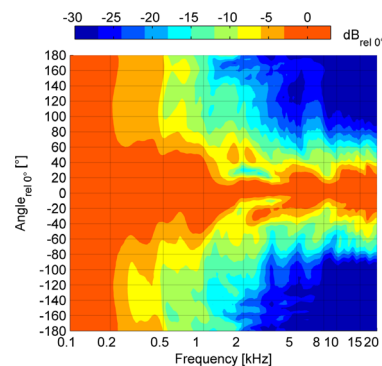
The loudspeaker shall be the Void Acoustics Venu 10.



Frequency response (Anechoic measurement)



Horizontal directivity isobars



Vertical directivity isobars