## SPECIFICATIONS

| Loudspeaker Type: | Compact two-way, full-range, trapezoidal, vented bass, user rotatable horn |
| :---: | :---: |
| Operating Range: | 70 Hz to $18 \mathrm{kHz}(-10 \mathrm{~dB})$ |
| Frequency Response: | 100 Hz to $16 \mathrm{kHz}( \pm 3 \mathrm{~dB})$ |
| Max Input Ratings: | 150W continuous, 375W program 34.6 volts RMS, 69.2 volts momentary peak |
| Sensitivity (1W/1m): | $92 \mathrm{~dB}(100 \mathrm{~Hz}$ to 12.5 kHz$)$ free space |
| Maximum Output: | 114 dB SPL / 120 dB SPL (peak) |
| Nominal Impedance: | 8 ohms |
| Minimum Impedance: | 6.1 ohms @ 180 Hz |
| Nominal -6dB Beamwidth: | $90^{\circ} \mathrm{H} \mathrm{x} 70^{\circ} \mathrm{V}$ (in vertical position) |
| Crossover Frequency: | 1.3 kHz |
| Recommended Signal Processing: | $90 \mathrm{~Hz}, 24 \mathrm{~dB} /$ octave Butterworth high pass filter |
| Drivers: | LF $1 \times 8$-inch cone HF $1 \times 1$-inch |
| Driver Protection: | DYNA-TECH protection circuitry |
| Input Connection: | NL4-compatible locking connector with terminal strip in parallel |
| Controls: | None |
| Enclosure: | Trapezoidal ( $22.5^{\circ}$ included angle) $18 \mathrm{~mm}, 11$-ply cross-laminated birch |
| Mounting/Rigging Provisions: | $9 \times \mathrm{M} 6$ threaded rigging fittings $4 \times$ M6 threaded fittings for V-HSS and third-party suspension products |
| Finish: | Catalyzed polyester two-part paint, black or white |
| Grille: | Powder coated steel, black or white finish |
| Required Accessories: | None |
| Supplied Accessories: | Yoke-style mounting bracket with optional $10^{\circ}$ and $20^{\circ}$ standoffs that allow a $10^{\circ}$ or $20^{\circ}$ downward or upward vertical tilt |
| Optional Accessories: | CMKIT ceiling mount kit <br> V -HSS handle and stand socket <br> VB-TILT tilting bracket <br> VB-VY8 vertical yoke bracket <br> M6EYBLTKIT 6 mm eyebolt kit |
| Dimensions-Height: <br> Width: <br> Depth: | 17 inches ( 433 mm ) <br> 11.3 inches ( 287 mm ) <br> 11.7 inches ( 298 mm ) |
| Weight (incl. bracket): | $25.3 \mathrm{lbs}(11.5 \mathrm{~kg})$ <br> $27.3 \mathrm{lbs}(12.5 \mathrm{~kg})$ with autoformer |
| Model Options: | V2-8B (low impedance, black finish) <br> V2-8W (low impedance, white finish) <br> V2-8BT (built-in autofomer for 70V100V applications, black finish) <br> V2-8WT (built-in autofomer for 70V100V applications, white finish) |

## NOTES:

1. Sensitivity: Free field pink noise measurement at $6 \mathrm{ft}(1.8 \mathrm{~m})$ at $10 \%$ power; extrapolated to 1 meter and an input of 2.83 volts RMS.
2. Watts: All wattage figures are calculated using the rated nominal impedance.


## APPLICATIONS

- Restaurants, pubs, cafés
- Houses of worship
- Shopping malls, retail environments
- Airports
- Delay fill


## FEATURES

- DYNA-TECH ${ }^{\text {TM }}$ driver protection circuitry
- Ferrofluid-treated HF driver for improved heat dissipation
- Carbon Ring Cone Technology provides 30\% more piston area with increased excursion capability
- Constant-directivity rotatable square horn
- Terminal strip and NL4-compatible connectors
- Available in standard black or white finishes
- Mounting yoke included with $10^{\circ}$ and $20^{\circ}$ vertical standoffs
- Optional V2-8T autoformer model for 70V/100V applications


## DESCRIPTION

The V2-8 is a two-way, full-range loudspeaker system suitable for use in a wide variety of fixed installations. Compact but powerful, it is ideal for distributed systems such as those found in cafés, restaurants, shopping centers and airports. When paired with a subwoofer such as the V2-210S, a V2-8 system will produce high-fidelity, broad spectrum sound that belies its modest size. The V2-8 is also an excellent choice for ancillary delay applications. When used to augment a front-of-house system in such venues as auditoria, theaters and houses of worship, delay loudspeakers can significantly even out the difference in sound pressure level from the front of the room to the rear of the room. Units may be positioned for underbalcony fill, overbalcony fill, or simply placed towards the rear of the seating areas. By deploying V2-8 loudspeakers in such a manner, the system designer will have far greater control over relative levels and relative tonal response when commissioning and equalizing the installation. The V2-8 may be mounted to a wall or ceiling surface using its included yoke bracket, suspended from its $M 6$ threaded rigging points, or installed using a third-party mounting device. It includes a rotatable horn design that allows optimal dispersion in either vertical or horizontal mounting positions.
An optional model with a built-in 100W autoformer with taps at $100 \mathrm{~W}, 50 \mathrm{~W}, 25 \mathrm{~W}$ and 12.5 W (model V2-8T) is also available from the factory.

## FREQUENCY RESPONSE



IMPEDANCE



## DIMENSIONS



## ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall be a compact two-way, full-range, trapezoidal vented bass design with one 8 -inch low frequency cone driver and one 1 -inch HF driver mounted to a rotatable $90^{\circ} \mathrm{H} \times 70^{\circ} \mathrm{V}$ square horn. There shall be an NL4-compatible locking connector with terminal strip in parallel. The loudspeaker enclosure shall be constructed of $18 \mathrm{~mm}, 11$-ply cross laminated birch with a perforated steel grille and shall be fitted with thirteen M6 flying/rigging inserts. A steel mounting yoke with $10^{\circ}$ and $20^{\circ}$ vertical standoffs shall be included. The system shall have an amplitude response of 70 Hz to $18 \mathrm{kHz}(-10 \mathrm{~dB})$ and input capability of 34.6 V RMS. The sensitivity at $1 \mathrm{~W} / 1 \mathrm{~m}$ shall be $92 \mathrm{~dB}(100 \mathrm{~Hz}$ to 12.5 kHz$)$. The nominal dispersion shall be $90^{\circ} \mathrm{H} \times 70^{\circ} \mathrm{V}$ in vertical orientation. The loudspeaker dimensions shall be $17 \mathrm{in} .(433 \mathrm{~mm}) \mathrm{H} \times 11.3 \mathrm{in}$. $(287 \mathrm{~mm}) \mathrm{W}$ (front) x 6.9 in . ( 174 mm ) W (rear) X 17 in . ( 433 mm ) D. The loudspeaker system and included mounting yoke assembly combined shall weigh $25.3 \mathrm{lbs}(11.5 \mathrm{~kg})$.

