

#### H-1

The loudspeaker shall be a two-way, sealed enclosure suitable for wall or ceiling mounting with an external appearance that is aesthetically pleasing and blends well with surrounding building architecture and fixtures. Loudspeakers requiring visible external mounting brackets shall not be acceptable. The loudspeaker shall utilize high quality components. The high frequency component shall be a 1" balanced dome tweeter, Ferrofluid-cooled for high power handling, The low frequency component shall be a 3" x 2" cone woofer with Neodymium magnet for improved low frequency response. The speaker shall employ a high quality internal passive crossover circuit with optimized filter slopes and a crossover frequency of 5k Hz. The loudspeaker shall have a smooth frequency response from 120 to 20k Hz. The output sound pressure level at a distance of 1 m with 1 W of input power applied shall be 85 dB SPL. The rated power handling (Continuous Program) shall be 90 W (4 ohms) and 12 W with matching transformer. The loudspeaker shall be compatible with low and high impedance speaker systems and shall include a built-in 70.7/100 V matching transformer with the following selectable tap settings: 12 W, 6 W, 3 W, 1.5 W (70.7 V) and 12 W, 6 W, 3 W (100 V). The speaker shall also have selectable impedance settings of 4 ohms and 16 ohms. The loudspeaker shall include a removable terminal block connector, screw terminal type, with loop-through terminations and accept AWG #14 - #24. An internal protection circuit shall prevent damage to components in an overload condition. Once activated, the circuit shall reduce the input signal and reset automatically after approximately thirty seconds once overload condition is removed. The loudspeaker grille material shall be rolled steel plate with a paintable white finish. The loudspeaker trim piece shall be constructed of fire-resistant ABS resin with a paintable white finish. The loudspeaker grille frame shall be fire-resistant ABS resin with a paintable white finish. Dimensions shall be 12.28" x 4.96" x 3.54" (312 x 126 x 90 mm). The speaker shall weight 3.31 lbs. (1.5 kg).

The loudspeaker shall be TOA model H-1.

The optional equalizer module shall be TOA model E-04R.

#### H-2 / H-2WP

The loudspeaker shall be a two-way, sealed enclosure suitable for wall or ceiling mounting with an external appearance that is aesthetically pleasing and blends well with surrounding building architecture and fixtures. Loudspeakers requiring visible external mounting brackets shall not be acceptable. The loudspeaker shall utilize high quality components. The high frequency component shall be a 1" balanced dome tweeter; Ferrofluid-cooled for high power handling, The low frequency component shall be a 4" cone woofer with Neodymium magnet for improved low frequency response. The speaker shall employ a high quality internal passive crossover circuit with optimized filter slopes and a crossover frequency of 5k Hz. The loudspeaker shall have a smooth frequency response from 100 to 20k Hz. The output sound pressure level at a distance of 1 m with 1 W of input power applied shall be 88 dB SPL. The rated power handling (Continuous Program) shall be 120 W (4 ohms) and 12 W with matching transformer. The loudspeaker shall be compatible with low and high impedance speaker systems and shall include a built-in 70.7/100 V matching transformer with the following selectable tap settings: 12 W, 6 W, 3 W, 1.5 W (70.7 V) and 12 W, 6 W, 3 W (100 V). The speaker shall also have selectable impedance settings of 4 ohms and 16 ohms. The loudspeaker shall include a removable terminal block connector, screw terminal type, with loop-through terminations and accept AWG #14 - #24. An internal protection circuit shall prevent damage to components in an overload condition. Once activated, the circuit shall reduce the input signal and reset automatically after approximately thirty seconds once overload condition is removed. The loudspeaker grille material shall be rolled steel plate (H-2) / stainless steel (H-2WP) with a paintable white finish. The loudspeaker grille frame shall be fire-resistant ABS resin (H-2) / AES resin (H-2WP) with a paintable white finish. Dimensions shall be 10.55" x 4.37" (268 x 111 mm). The speaker shall weight 4.63 lbs. (2.1 kg).

The loudspeaker shall be TOA model H-2 / H-2WP.

The optional equalizer module shall be TOA model E-05R.

#### H-3 / H-3WP

The speaker shall be a two-way, sealed enclosure suitable for wall-mounting. The speaker shall have an external appearance that is visually pleasing and blends well with surrounding building architecture and fixtures. Speakers requiring visible external mounting brackets shall not be acceptable. The loudspeaker shall utilize high quality components with Neodymium magnets for high power handling. The high frequency component shall be a 1" dome tweeter and the low frequency components shall be dual 4" cone woofers. The speaker shall be compatible with low

and high impedance speaker systems and shall include a built-in 70.7/100 V matching transformer with the following selectable tap settings: 30 W, 15 W, 7.5 W, 3.75 W (70.7 V) and 30 W, 15 W, 7.5 W (100 V). The speaker shall also have selectable impedance settings of 8 ohms and 16 ohms. The output sound pressure level at a distance of 1 m with 1 W of input power applied shall be 89 dB SPL. The rated power handling (Continuous Program) shall be 150 W at 8 ohms and 30 W at 16 ohms or with matching transformer. The speaker shall have a frequency response from 100 to 20k Hz. The speaker shall employ a high quality internal passive crossover circuit with a crossover frequency of 4k Hz with optimized filter slopes of -12 dB per octave low pass filter and -18 dB per octave high pass filter. The speaker shall include a removable terminal block connector, screw terminal type, with loop-through terminations and accept AWG #14 - #24. An internal protection circuit shall prevent damage to the high frequency component in an overload condition. Once activated, the circuit shall reduce the input signal and reset automatically after approximately ten seconds once overload condition is removed. The speaker grille material shall be rolled steel plate (H-3) / stainless steel (H-3WP) with a paintable white finish. The speaker enclosure shall be fire-resistant ABS resin with UL94:V-0 rating. Dimensions shall be 11.6" x 12.5" x 5.1" (295 x 318 x 129 mm) and weight of 7.3 lbs. (3.3 kg).

The loudspeaker shall be TOA model H-3 / H-3WP.

The optional equalizer module shall be TOA model E-06R.