

The A&E specifications are for weather-resistant IV6 models (with WR in the model name). Please choose the appropriate model for your needs.

Weather-Resistant (PolyGlas™ cabinets)

IV6-1122WR05: *The modular, vertically arrayable loudspeaker system shall be a two-way, full-range bass reflex design incorporating one 12 in. (305mm) ferrite LF driver with an inherently weather resistant cone and two 1.75 in. (44mm) ketone polymer diaphragm, neodymium compression drivers loaded onto a 5° vertically arced multi-path waveguide with a nominal 120° horizontal dispersion. The loudspeaker shall be acoustically and mechanically capable of integrating into a single array with IV6-1122/15 full range loudspeakers and IV6-118S subwoofers.*

Input connectors shall be two parallel-wired NL4 connectors and one four-terminal barrier strip. Two terminal pairs on the barrier terminal strip shall be wired in parallel to the NL4 +1/-1 connections, respectively and to the loudspeaker's internal passive circuitry. The NL4 +2/-2 connections shall be wired in parallel with no internal connections to the loudspeaker. The NL4 connections are for shop testing only and cannot be used with the cover panel in place. A powder-coated aluminum cover panel with two IP68-rated gland nuts and one-piece sealing gasket shall provide the input connections protection from the elements.

The loudspeaker shall be operated in passive, single amplifier, mode only. Drivers shall be connected to an internal passive electronic network that provides up to 15dB of input level attenuation at all frequencies, in 1.5dB increments, an independent frequency shaping network that attenuates high frequencies by up to 6dB, in 1.5dB increments, and a frequency dividing network with an acoustical crossover frequency of 1100Hz. The passive level attenuation and frequency shaping networks shall provide, in total, 55 independent frequency response profiles for each loudspeaker. The passive response profiles shall be accessed and adjusted from a secondary panel on the rear of the loudspeaker by moving high-current jumper terminals. A powder-coated aluminum cover panel with one-piece sealing gasket shall provide the high-current jumper terminals protection from the elements.

The loudspeaker enclosure shall be 5° trapezoidal in shape. It shall be constructed of a thermally stabile, dense structural-grade composite embedded with dual layers of fiberglass cloth, finished with a UV-resistant, heavy exterior-grade paint, and shall be fitted with multiple integral steel plates on each side that bolt to powder-coated aluminum adjustable rigging plates. The vertical splay shall be adjustable from 0° to 5° in 2.5° increments. Each side of the enclosure shall include an integrated lifting handle. The front of the enclosure shall be fitted with a powder-coated 1.5 mm perforated marine-grade aluminum grille backed with hydrophobic treatment on acoustically transparent woven fabric with mounting fasteners that are accessible on each side of the enclosure. All rigging hardware, handles and other fasteners shall be concealed from view by removable side panels constructed from dense structural-grade composite embedded with dual layers of fiberglass cloth, with the same finish as the enclosure.

The system shall have an operating range of 40 Hz to 18.5 kHz (-10dB SPL). In Passive Mode, the system shall have a nominal impedance of 16 Ohms, an input capability of 80V. A single loudspeaker element shall produce a sound pressure level of 102 dB (averaged SPL between -10 dB points) on axis at one meter with a power input of 1 Watt, and shall be capable of producing a continuous output of 128 dB SPL (with peak output of 134 dB SPL) on axis at one meter.

The loudspeaker shall be 28.84 in. (733 mm) W x 14.02 in. (356 mm) H (front) x 8.07 in. (205 mm) H (rear) x 16.55 in. (421 mm) D, and weigh 62.0 lbs. (28.1 kg). The loudspeaker shall be the Community Professional Loudspeaker's IV6-1122WR05.

IV6-1122WR15: The modular, vertically arrayable loudspeaker system shall be a two-way, full-range bass reflex design incorporating one 12 in. (305mm) ferrite LF driver with an inherently weather resistant cone and two 1.75 in. (44mm) ketone polymer diaphragm, neodymium compression drivers loaded onto a 15° vertically arced multi-path waveguide with a nominal 120° horizontal dispersion. The loudspeaker shall be acoustically and mechanically capable of integrating into a single array with IV6-1122/05 full range loudspeakers and IV6-118S subwoofers.

Input connectors shall be two parallel-wired NL4 connectors and one four-terminal barrier strip. Two terminal pairs on the barrier terminal strip shall be wired in parallel to the NL4 +1/-1 connections, respectively and to the loudspeaker's internal passive circuitry. The NL4 +2/-2 connections shall be wired in parallel with no internal connections to the loudspeaker. The NL4 connections are for shop testing only and cannot be used with the cover panel in place. A powder-coated aluminum cover panel with two IP68-rated gland nuts and one-piece sealing gasket shall provide the input connections protection from the elements.

The loudspeaker shall be operated in passive, single amplifier, mode only. Drivers shall be connected to an internal passive electronic network that provides up to 15dB of input level attenuation at all frequencies, in 1.5dB increments, an independent frequency shaping network that attenuates high frequencies by up to 6dB, in 1.5dB increments, and a frequency dividing network with an acoustical crossover frequency of 1100Hz. The passive level attenuation and frequency shaping networks shall provide, in total, 55 independent frequency response profiles for each loudspeaker. The passive response profiles shall be accessed and adjusted from a secondary panel on the rear of the loudspeaker by moving high-current jumper terminals. A powder-coated aluminum cover panel with one-piece sealing gasket shall provide the high-current jumper terminals protection from the elements.

The loudspeaker enclosure shall be 15° trapezoidal in shape. It shall be constructed of a thermally stabile, dense structural-grade composite embedded with dual layers of fiberglass cloth, finished with a UV-resistant, heavy exterior-grade paint, and shall be fitted with multiple integral steel plates on each side that bolt to powder-coated aluminum adjustable rigging plates. The vertical splay shall be adjustable from 10° to 15° in 2.5° increments. Each side of the enclosure shall include an integrated lifting handle. The front of the enclosure shall be fitted with a powder-coated 1.5 mm perforated marine-grade aluminum grille backed with hydrophobic treatment on acoustically transparent woven fabric with mounting fasteners that are accessible on each side of the enclosure. All rigging hardware, handles and other fasteners shall be concealed from view by removable side panels constructed from dense structural-grade composite embedded with dual layers of fiberglass cloth, with the same finish as the enclosure.

The system shall have an operating range of 40 Hz to 18.5 kHz (-10dB SPL). The passive system shall have a nominal impedance of 16 Ohms, an input capability of 80V. A single loudspeaker element shall produce a sound pressure level of 100 dB (averaged SPL between -10 dB points) on axis at one meter with a power input of 1 Watt, and shall be capable of producing a continuous output of 126 dB SPL (with peak output of 132 dB SPL) on axis at one meter.

The loudspeaker shall be 28.87 in. (733 mm) W x 13.99 in. (355 mm) H (front) x 9.71 in. (247 mm) H (rear) x 16.72 in. (425 mm) D, and weigh 59.0 lbs. (26.8 kg). The loudspeaker shall be the Community Professional Loudspeaker's IV6-1122WR15.

IV6-118SWR: The loudspeaker system shall be a low frequency subwoofer incorporating one 18 in. (457mm) long excursion ferrite LF driver with a 4" inside/outside wound voice coil and double-treated cone. The loudspeaker shall be acoustically and mechanically capable of integrating into a single array with IV6-1122WR05 and IV6-1122WR15 full range loudspeakers.

Input connectors shall be two parallel-wired NL4 connectors and one four-terminal barrier strip. Two terminal pairs on the barrier terminal strip shall be wired in parallel to the NL4 +1/-1 connections, respectively and to the loudspeaker's internal passive circuitry. The NL4 +2/-2 connections shall be wired in parallel with no internal connections to the loudspeaker. The NL4 connections are for shop testing only and cannot be used with the cover panel in place. A powder-coated aluminum cover panel with two IP68-rated gland nuts and one-piece sealing gasket shall provide the input connections protection from the elements.

The loudspeaker enclosure shall be rectangular in shape. It shall be constructed of a thermally stabile, dense structural-grade composite embedded with dual layers of fiberglass cloth, finished with a UV-resistant, heavy exterior-grade paint, and shall be fitted with multiple integral steel plates on each side that bolt to powder-coated aluminum adjustable rigging plates. Each side of the enclosure shall include a pair of integrated lifting handles. The front of the enclosure shall be fitted with a powder-coated 1.5mm perforated marine-grade aluminum grille backed with hydrophobic treatment on acoustically transparent woven fabric with mounting fasteners that are accessible on each side of the enclosure. All rigging hardware, handles and other fasteners shall be concealed from view by removable side panels constructed from dense structural-grade composite embedded with dual layers of fiberglass cloth, with the same finish as the enclosure.

The system shall have an operating range of 37 Hz to 132Hz (-10dB SPL). The passive system shall have a nominal impedance of 8 Ohms, an input capability of 80V. In half space loading conditions, a single loudspeaker element shall produce a sound pressure level of 99 dB (averaged SPL between -10 dB points) on axis at one meter with a power input of 1 Watt, and shall be capable of producing a continuous output of 128 dB SPL (with peak output of 134 dB SPL) on axis at one meter.

The loudspeaker shall be 28.86 in. (733 mm) W x 20.00 in. (508 mm) H x 28.08 in. (713 mm) D, and weigh 99.0 lbs. (44.9 kg). The loudspeaker shall be the Community Professional Loudspeaker's IV6-118SWR.