

ONE SYSTEMS ARCHITECTS' AND ENGINEERS' SPECIFICATIONS Cross Field Array (CFA)

The loudspeaker shall be a direct weather rated two-way system with an IP rating of 45. The enclosure shall be a fiberglass resin composite. The system shall utilize all stainless steel internal and external rigging and suspension points and an internal aluminum structural bracket. The system shall also include a stainless steel external bracket suitable for wall mounting or pole mounting.

System frequency response shall be 70Hz to 16kHz. System sensitivity shall be a nominal 105dB with a 1 watt electrical input and measured at 1 meter on system axis. System power handling shall be 1200 watts continuous, 2400 watts program, and 4800 watts peak.

The transducers shall be four each 254mm (10") nominal low frequency driver in a horn loaded enclosure. The high frequency drivers shall be 3 each medium format titanium diaphragm with a nominal diameter of 44mm (1.73") and shall be configured in an amplitude shaded vertical array.

The system shall have a nominal radiation patterns of 50 degrees in the horizontal plane and 20 degrees in the vertical plane. The system shall have a high order passive crossover. The enclosure system shall utilize two paralleled Neutrik Speakon connectors and a paralleled 4 position barrier strip. The system shall be supplied with an input section weather cover with integral gland nut. The system shall have a nominal impedance in full range mode of 4 ohms.

The system weight shall weigh 75kg (165lbs) and have physical dimensions of 1100mm X 520mm X 560mm (43.3" X 20.5" X 22"). The system shall have an optional 70.7V and 100V transformer rated at 600 watts with tap values at 600 watts, 300 watts, and 150 watts. The system shall have multiple M10 mounting points. The system shall be a One Systems Cross Field Array (CFA) or equivalent.