

ONE SYSTEMS ARCHITECTS' AND ENGINEERS SPECIFICATIONS 312CIM

The loudspeaker shall be a direct weather rated two-way system with an IP rating of 45. The enclosure shall be injection molded and utilize a high weatherproof resin. The system shall utilize all stainless steel internal and external rigging and suspension points. The system shall include an internal aluminum structural bracket.

System frequency response shall be 75Hz to 16kHz. System sensitivity shall be a nominal 99dB 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 system shall consist of three each 305mm (12") transducers in a three element vertical array. The transducers shall be two each 305mm (12") nominal low frequency drivers oriented in a vertical array in a vented enclosure. These two low frequency drivers shall utilize I/O voice coil technology. The system shall also have a single 305mm (12") coaxial loudspeaker mounted above the two 305mm woofers in a vertical orientation. The bottom mounted 305mm transducer shall be frequency shaded to limit polar lobing in the 3-element vertical array. The high frequency driver shall be a large format titanium diaphragm with a nominal diameter of 82.5mm (3.25"). The radiation pattern of the supplied high frequency coaxial horn shall be 60X60. The enclosure system shall utilize two paralleled Neutrik Speakon connectors and a paralleled 4-position barrier strip. The system shall include a weather cover for the input section that includes a gland nut connector.

The system shall be compatible with One Systems Pole Mount System EX, DF-IM bracket, PT-70 bracket and 212IM-U bracket.

The system shall have a nominal impedance in full range mode of 4 ohms. The system weight shall weigh 42.2kg (93.5lbs) and have physical dimensions of 1100mm X 368mm X 414 mm (43.3" X 14.5" X 16.3"). The system shall have multiple M10 mounting points. The system shall have an optional 70.7V or 100V 600 watt transformer with 600 watt, 300 watt, and 150 watt taps. The system shall be a One Systems 312CIM