

ONE SYSTEMS ARCHITECTS' AND ENGINEERS' SPECIFICATIONS 112UM

The loudspeaker shall be a direct weather rated two-way system with an IP rating of 45. The enclosure shall be 18mm nominal birch plywood and shall be painted both externally and internally using a weather resistant finish. The system shall utilize all stainless steel internal and external rigging and suspension points. The system enclosure geometry shall allow for either conventional use or floor monitor mounting.

System frequency response shall be 75Hz to 16kHz. System sensitivity shall be a nominal 96dB with a 1 watt electrical input and measured at 1 meter on system axis. System power handling shall be 800 watts continuous, 1600 watts program, and 3200 watts peak.

The transducers shall be a 305mm (12") nominal low frequency driver and loaded in a vented enclosure. The low frequency transducer shall utilize I/O voice coil technology. The high frequency driver shall be a large format titanium diaphragm with a nominal diameter of 82.5mm (3.25") and shall be designed using Equivalent Throat technology.

The system shall utilize a high frequency horn that is fully rotatable and interchangeable. The radiation pattern of the high frequency horn shall be 105X60. 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 8 ohms.

The system weight shall weigh 23.3kg (51.4lbs) and have physical dimensions of 622mm X 362mm X 273mm (24.48" X 14.25" X 10.75"). The system shall have multiple M10 mounting points. The system shall be a One Systems 112UM or equivalent.