ONE SYSTEMS
ARCHITECTS' AND ENGINEERS' SPECIFICATIONS
112IM

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 weather proof resin. The system shall utilize all stainless steel internal and external rigging and suspension points and an internal aluminum structural bracket.

System frequency response shall be 60Hz to16kHz. 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 in a vented enclosure. The low frequency drive shall utilize an I/O voice coil winding to provide transducer cooling. 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 be capable of utilizing two high frequency horns, both of which are fully rotatable and interchangeable. The radiation patterns of the high frequency horns shall be 60X40 and 105X60 and shall be selected based on system acoustical requirements. The system shall have a high order passive crossover with switching to allow either full range or bi-amp operation. 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 shall be compatible with One Systems Pole Mount System, DF-IM bracket, PT-70 bracket, FLY 112IM bracket, FLY 112IM-T bracket and 112IM-U bracket.

The system weight shall weigh 27.6kg (61lbs) and have physical dimensions of 749mm X 368mm X 414mm (29.5" X 14.5" X 16.3"). The system shall have an optional 70.7V and 100V transformer rated at 150 watts with tap values at 150 watts, 75 watts, and 35 watts. The system shall have multiple M10 mounting points. The system shall be a One Systems 112IM or equivalent.