



**ONE SYSTEMS®**

## **ARCHITECTS' AND ENGINEERS' SPECIFICATIONS 106IM**

The loudspeaker shall be a direct weather rated two-way system with an IP rating of 56. The enclosure shall be injection molded and utilize a high weatherability resin. The system shall utilize all stainless steel internal and external rigging and suspension points.

System frequency response shall be 80Hz to 16kHz in a half space acoustic load. System sensitivity shall be a nominal 89dB with a 1 watt electrical input and measured at 1 meter on system axis. System power handling shall be 100 watts continuous, 200 watts program, and 400 watts peak. The system passive crossover shall not contain any passive limiting or protection circuits that will degrade system dynamics.

The transducers shall be an 153mm (6") nominal low frequency driver in a vented enclosure. The high frequency driver shall be a small format titanium diaphragm with a nominal diameter of 25.4mm (1"). The high frequency driver shall be a true compression driver with phase plug loaded on a small format high frequency horn.

The system shall have a high order passive crossover. The enclosure system shall utilize a 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 PT-10 brackets and 106IM-U brackets.

The system weight shall weigh 6.0kg (13.2lbs)(6.5kg for transformer version) and have physical dimensions of 312mmx185mmx217.1mm (12.3"x7.3"x8.5"). The system shall have an optional 70.7V and 100V transformer rated at 50 watts with tap values at 50 watts, 25 watts, and 112.5 watts. The system shall be a One Systems 106IM or equivalent.