



FP6020-II

Architectural Specifications

The loudspeaker shall consist of two 25 mm (1.0 in) transducers with a voice coil diameter of 20.5 mm (0.81 in). Sound waves from the transducers shall be reflected from a 514.3 mm (20.25 in) Dual-Parabolic™ sound dome.

Performance specifications of a typical unit shall be as follows: Useable frequency response shall extend from 130 Hz – 22 kHz (-10 dB). Measured sensitivity (2.83-volt input, 1 meter) shall be at least 75 dB stereo. The loudspeaker shall ship with a CAT V cable and four 16-gauge hardwire leads and be available in 8 ohm impedance mode (4 ohm if bridged/mono), or with an optional 25/70.7/100-volt transformer and accompanying junction box. For the transformer accessory, the transformer unit and four-position tap switch will be supplied in a junction box.

The dome shall be constructed of custom-molded PETG. The driver shall have a high-impact polystyrene enclosure. The transducers shall have a concave aluminum diaphragm with high-impact polystyrene transducer protectors. The overall unit dimensions shall be no more than 514.3 mm (20.25 in) in diameter by 222.3 mm (8.75 in) in height and weigh no more than 2.5 kg (5.5 lbs).

Installation for the speaker shall be by single-point hanging with the cable affixed to a mounting bushing and hanging bracket.

Optional modules include motion sensor (FP-Motion), LED light (FP-Light) and Amplifier (FP-Amp); the FP-ScentAir™ ships plumbed to accept scented marketing solutions. All optional FP modules require one AC-PS-1550 or AC-PS-1530 power supply to power one or any combination of modules.

Optional electronics accessories include 10- and 20-watt transformers with junction box for 25-, 70.7- and 100-volt applications (AC-JB10-XFMR, AC-JB20-XFMR) and an external amplification unit with power supply (SA202-RDT). Also available are custom printed sound sleeves, wall brackets (AC-WB4) and rigid mount adaptors (AC-FP6-RMA).

The system shall be the SoundTube FP6020-II for both low- and high-impedance applications.