

Desono P60DT A & E Specifications

P60DT: The Desono P60DT shall be a two-way pendant loudspeaker designed for distributed audio applications requiring full-range music reproduction and high speech intelligibility. The loudspeaker shall incorporate a 6.5" (165mm) coated paper cone low-frequency driver and a 1" (25mm) soft dome high-frequency driver.

The loudspeaker shall be capable of operating at both low impedance (16Ω) and on 70V/100V distributed lines via an integrated transformer. The loudspeaker shall be fitted with a multi-tapping transformer for use in 70V and 100V distributed systems. The 70V taps shall be 60W, 30W, 15W, 7.5W, and 3.75W. The 100V taps shall be 60W, 30W, 15W, and 7.5W. Selection of the power taps shall be made via a recessed switch located under the end cap. The tap selector and all cable connections shall be hidden under the installer-friendly end cap with cut-out slot and integrated magnetic closure.

The loudspeaker shall have a continuous power handling capacity of 60W at 16Ω (240W peak) with a nominal sensitivity of 89 dB (1W/1m). The frequency response shall range from 75 Hz to 22 kHz (-10 dB) with a nominal beamwidth of 120° conical. The maximum continuous SPL shall be 107 dB with peak capability of 113 dB at 1 meter.

Input connection shall be made via a 4-way Euroblock connector with permanent pass-through capability. The loudspeaker shall incorporate self-resetting protection circuitry for failsafe 24/7 operation. A high-pass filter at 75 Hz (12 dB/octave) shall be recommended for optimal performance.

The mounting system shall consist of two 5m (16 ft) wire suspension cables constructed of high tensile galvanized steel wire rope, with one serving as primary support and the other as a safety cable. The suspension system shall include integrated spring clips for attaching the cable to the bracket and two toolless Gripple cable fasteners for secure installation.

The speaker enclosure shall be constructed of ABS plastic with a matte finish. The grille shall be constructed of powder-coated perforated steel. The speaker shall be available in both black (RAL 9010) and white (RAL 9011) colors. The enclosure dimensions shall be 10.4" x 10.9" (264 mm x 276 mm) H x Diameter., with a weight of 8.5 lbs (3.9 kg).

The loudspeaker shall be ETL listed to conform with UL Std 1480 and certified to CSA C22.2#62368-1. The suspension system and Gripple cable fasteners shall be listed per UL1598 and UL2239, TUV and CSA Class 3426-01 and Class 3426-81.

The loudspeaker shall be the Biamp Desono P60DT.