

Desono P30DT A & E Specifications

P30DT: The Biamp P30DT speaker shall be a two-way pendant loudspeaker featuring a 4.25" (108mm) coated paper cone low-frequency driver and 1" (25mm) soft dome high-frequency driver, suitable for ceiling suspension mounting. The loudspeaker shall be capable of operating in both low impedance (16 ohm) and 70V/100V for distributed audio configurations.

The loudspeaker shall have and continuous power handling of 50 Watts with a peak power handling of 200 Watts and the operating range (-10dB) shall range from 75 Hz to 20 kHz. The nominal sensitivity shall be 87 dB when measuring with an input signal of 1 Watt at a distance of 1 meter, while the maximum continuous sound pressure level shall be 104 dB with a peak of 110 dB. The nominal beamwidth shall be a 120° conical.

The loudspeaker shall be fitted with a multi-tapping transformer for use in 70V and 100V distributed systems. The 70V taps shall be 30W, 15W, 7.5W, 3.75W, and 1.75W. The 100V taps shall be 30W, 15W, 7.5W, and 3.75W. 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 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 unit shall have dimensions of 8.78" x 9.17" (223mm height x 233mm) diameter and a weight of 5.7 lbs (2.6 kg) including suspension cables and hardware.

The loudspeaker shall include two 16.4' (5 m) wire suspension cables constructed of high tensile galvanized steel wire rope, with one serving as primary support and one 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. All cable connections shall be made via a 4-way Euroblock connector with permanent pass-through capability, concealed beneath a magnetic end cap.

The loudspeaker shall include self-resetting protection circuitry for failsafe 24/7 operation. The speaker shall be ETL listed to conform with UL Std 1480A 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 pendant loudspeaker shall be a Biamp model P30DT.