

Electro-Voice PA430 30-Watt/8 Ohm Constant-Directivity Paging Projector

This listing is for PA430 Paging Projector only. Use description below as a general reference.

The PA430 and PA430T are 30-watt constant-directivity paging projectors for use in any public address or paging application.

The drivers employ rugged phenolic diaphragms, 1.5 inch diameter voice coils and "rim centered" ferrite magnet structures for long life and reliability under extreme operating conditions.

A 12 inch connecting cable, color coded for phase, is provided for connecting to the PA 430 and PA430T.

The transformer model (PA430T) includes connections for 25V, 70.7V, and 100V distributed systems and a screwdriver-operated power tap select switch. (Patent 4, 775, 766)

A nominal 60° horizontal by 40° vertical coverage pattern together with a low-frequency cutoff of 350 Hz provides excellent articulation in demanding applications.

The PA430 (PA430T) is molded from high-impact ultraviolet-inhibiting acrylic-styrene-acrylonitrile (ASA). A positive lock, super tough nylon swivel base and rear housing provides maximum mounting flexibility and ease of installation. (Patent 4,984,278)

Ideal for both indoor and outdoor applications, these drivers are well suited for any installation requiring rugged, reliable performance.

Architects' and Engineers' Specifications

The loudspeaker(s) shall be an integral driver and constantdirectivity horn utilizing a rugged phenolic diaphragm and high-temperature-rated, 1.5-inch diameter voice coil.

The axial frequency response will extend from 400 to 6,500 Hz, and the horn shall exhibit a low-frequency cutoff of 350 Hz. Sound pressure level will be 107 dB (1 W/1 m) with a 500 to 5,000 Hz pink-noise signal applied, and the horn will produce a horizontal beamwidth of 60° and a vertical beamwidth of 40° from 1 kHz to 10 kHz.

The loudspeaker(s) shall be capable of handling a 30 watt, 500 to 5,000 Hz pink-noise signal with a 6 dB crest factor for a period of 8 hours.

The horn shall be molded, high-impact acrylic-styrene-acrylonitrile (ASA) capable of satisfactory mechanical performance in the temperature range from -4°C (-40°F) to 71°C (160°F) and not subject to sunlight embrittlement. Other major external speaker parts shall be molded nylon, finished in mesa tan to match the horn. All components shall be resistant to damage from weather, moisture and fungus.

A positive-lock swivel bracket shall provide orientation adjustment in all three places. Adjustments are made by loosening one or both of the locking nuts on the mounting hoop.

The loudspeaker(s) shall be 22.6 cm (8.9 in.) high, 30.7 cm (12.1 in.) wide and 31.0 cm (12.2 in.) deep - PA430; or 35.8 cm (14.1 in.) deep - PA430T.

The loudspeakers shall be the PA430, which has a nominal impedance of 8 ohms and weighs no more than 1.4 kg (3.0 lb); and the PA430T, which includes a 100V/70.7V/25V line-matching transformer, and has a nominal impedance of 8 ohms and weighs no more than 1.7 kg (3.8 lb).