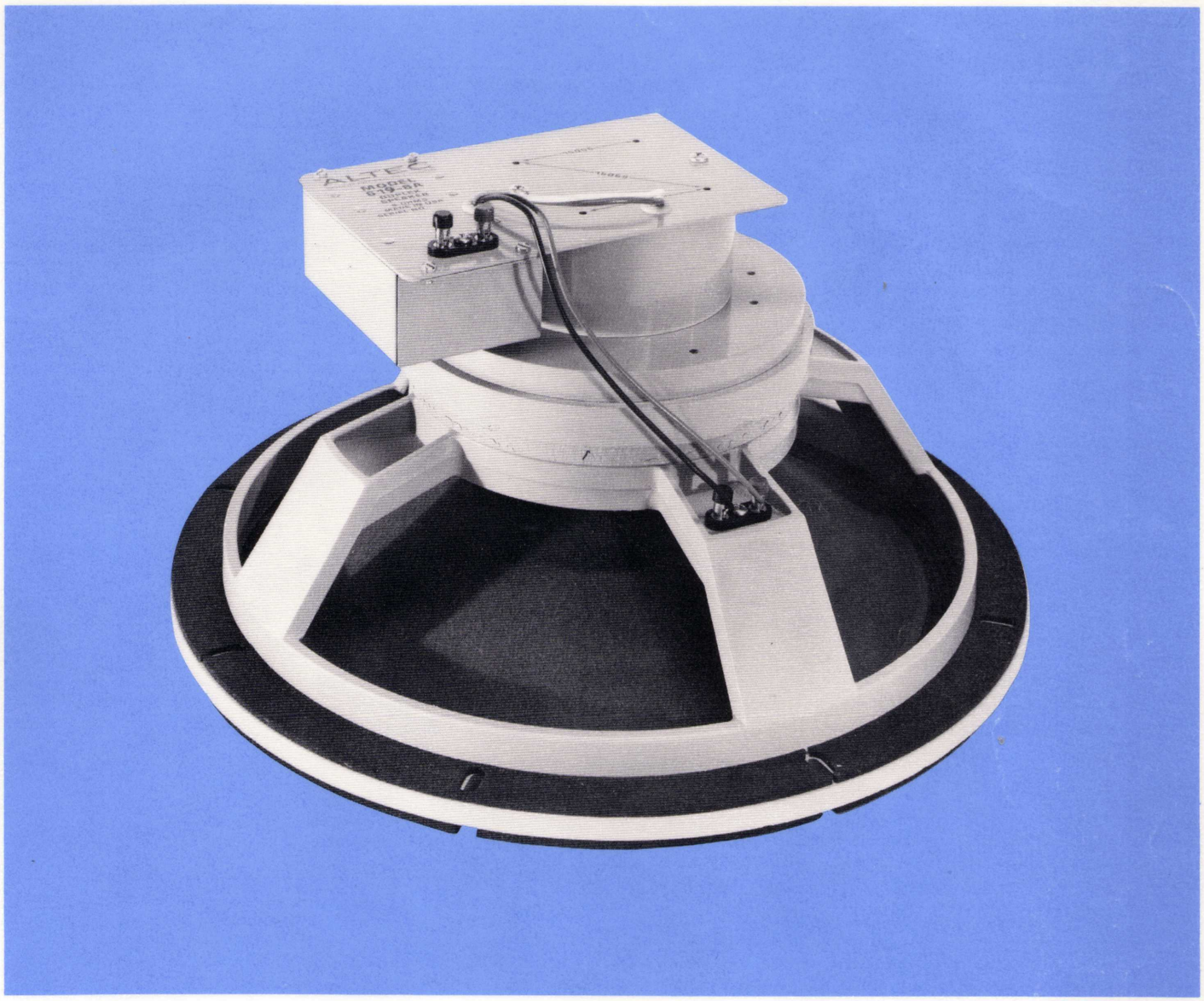
ALTEC
SOUND PRODUCTS DIVISION

619-8A DUPLEX CEILING LOUDSPEAKER SYSTEM



DESCRIPTION

The ALTEC 619-8A 15″ Duplex Ceiling Loudspeaker System has been developed to perform in recommended enclosures as small as 4 cubic feet and still maintain uniform response throughout the bandwidth without sacrificing efficiency. The dual magnet structures allow each speaker to be magnetically, electrically and mechanically independent.

All components are mounted directly to the loudspeaker frame. The dual full-section dividing network is prewired to the high- and low-frequency elements and a mounting plate is provided to accommodate accessory ALTEC line matching transformers.

Front- or rear-mounting capabilities permit the 619-8A speaker system to be used in ceiling installations where a wide conical distribution pattern and uniform frequency response are required.

SPECIFICATIONS

Type:	Duplex coaxial loudspeaker system with dividing network
Power Rating:	75 watts of continuous pink noise (40-15,000 Hz)
Frequency Response:	40 Hz to 15 kHz
Pressure Sensitivity:	100 dB SPL at 4′ measured on axis with 1 watt input of pink noise, band-limited from 250 Hz to 5 kHz with speaker mounted in 612C enclosure
Impedance:	8 ohms
Nominal Free-Air LF Cone Resonance:	28 Hz
Distribution Pattern:	90° (conical)
Voice Coils —	
LF:	3″ diameter
HF:	1½″ diameter
Magnets —	
LF:	Ceramic, 4.8 pounds
HF:	Ceramic, 8.5 ounces
Frame:	Structurally reinforced die-cast aluminum
Dividing Network (Furnished):	Dual full-section with 1500 Hz crossover. 12 dB per octave slope
Dimensions:	16″ (40.6 cm) diameter 9″ (22.9 cm) deep
Weight:	28.3 pounds (12.8 kg)
Finish:	Gray enamel
Mounting Data — Baffle Opening:	14⅛″ (35.9 cm), may be either front or rear mounted
Mounting Bolt Centers:	8 or 4 bolts equally spaced on 15″ (38.1 cm) diameter circle
Accessories (must be ordered separately):	ALTEC 15065 70-Volt Line Transformer ALTEC 15066 70-Volt Line Transformer (see catalog sheet AL-1438-14)

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The ceiling loudspeaker system shall be a two-way wide-angle system with a 15″ LF cone radiator, an HF driver, a symmetrical exponential horn and a dual full-section dividing network. It shall meet the following criteria. Power rating, 50 watts of continuous pink noise from 20 to 15,000 Hz. Frequency response, uniform from 50 to 15,000 Hz. Pressure sensitivity, 100 dB SPL at 4′ when measured on axis with 1 watt input of pink noise, band-limited from 250 Hz to 5000 Hz. Impedance, 8 ohms, Nominal free-air LF cone resonance, 28 Hz. Distribution pattern, 90° conical. Crossover frequency, 1500 Hz with 12 dB/octave slope. Voice coils; LF 3″, HF 1½″. Magnets; 4.8 pounds (LF), 8.5 ounces (HF). Dimensions, 16″ diameter by 9″ deep. Weight, 28.3 pounds.

The loudspeaker system shall be the ALTEC Model 619-8A.

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