



fifteen



model fifteen

Excellent acoustic output, full range response and extended bandwidth in a two-way system — the Fifteen speaks for itself. It represents a new generation of two-way systems — reaching far beyond the technology employed in previous two-way floor-standing speaker systems.

The innovative radial phase plug*, a result of a year-long Altec Research and Development investigation, is a key element in the Fifteen's extended high frequency response. It is the heart of an all new compression driver developed by Altec to give smooth response to beyond 20 kHz when coupled to the unique curved radial horn that has been adapted for use in the Fifteen.

An exhaustive research program concentrating on low frequency performance has led to a thorough investi-

gation of the enclosure/driver interrelationship. Internal acoustic pressure variations, material energy absorption, and dynamic thermal factors have been examined, analyzed, and controlled to provide an optimum balance of low-frequency band limits and sensitivity. The Fifteen's superb low-frequency performance is the result of this enclosure tuning technology investigation.

Extended low end, extended high end — results of major research and development efforts from Altec. Put these powerful new technologies together in a hand-rubbed, oiled oak or walnut cabinet and you have the Fifteen — an exciting addition to any quality system.

Outstanding response and elegant styling — the Fifteen is equally comfortable in studio or living environment.

SPECIFICATIONS:

SPEAKER

COMPONENTS—

LOW FREQUENCY:	12" bass driver
HIGH FREQUENCY:	Radial phase plug [‡] compression driver mounted to curved radial horn.

NOMINAL IMPEDANCE: 8 ohms

CROSSOVER

FREQUENCY: 1700 Hz

ENCLOSURE TYPE: Vented

SENSITIVITY: 90 dB SPL⁽¹⁾

Measured at 4 feet, 1 watt input, using pink noise which has been limited to a bandwidth of 500 Hz to 3 kHz.

94 dB SPL⁽²⁾

FREQUENCY

RESPONSE: 30 Hz to 20 kHz

DISPERSION:

Measured with pink noise limited to a bandwidth of 500 Hz to 8 kHz at a distance of 4 feet.

120° at -6 dB vertical
120° at -6 dB horizontal

[‡]Patent Pending

LONG TERM BROAD BAND MAXIMUM POWER:

60 watts⁽²⁾

Measured with a source of pink noise limited to the frequency response bandwidth of the system, over an extended time period.

OPERATIONAL POWER RANGE:

12 watts to 250 watts

Recommended for use with amplifiers between these levels.

LONG TERM MAXIMUM ACOUSTIC OUTPUT:

111 dB SPL at 60 watts⁽²⁾

Measured with a source of pink noise limited to the frequency response bandwidth of the system at a distance of 4 feet.

FINISH:

Hand-rubbed oiled walnut or oak.

GRILLE:

Acoustically transparent foam mounted on removable panel. Black supplied with walnut, brown with oak cabinet.

DIMENSIONS:

22"W x 27"H x 15½"D with base and grille.

SHIPPING WEIGHT:

84 lbs. — 38.1 kg

NET WEIGHT:

76 lbs. — 34.5 kg

(1) Measured with shelving controls set at optimum.
(2) Measured with shelving controls fully clockwise.

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