



CAT 33/35, C399 Transducer Assembly



CAT 33 Textured Finish with Standard Black Grille (Model F1330)
Insert - C399 Transducer Assembly

CAT™ 35 Oak Finish

FEATURES

- Wide Coverage—120 Degree Conic
- Full Range Response—70 Hz to 20 kHz ± 3 dB
- Sensitivity—94 dB/1 W/1 M
- CAT™ Technology
- Optional Veneer Finishes
- Optional Transformer

The Frazier CAT 33/35 device family offers the listener a degree of acoustic integrity unequalled in this size class, while affording the contractor ease of installation, modest cost, and flexibility in sound system design. The application of Coincident Aligned Transducer technology to a direct radiator two way system has created a loudspeaker whose output is truly uniform over a very broad coverage angle. In addition, extremely rugged components along with a thoroughly developed system design have resulted in an exceptionally linear and reliable loudspeaker.

The Frazier CAT 33/35 acoustic design consists of a heavy duty 8" woofer in a B4 aligned vented enclosure and a coaxially located 1" dome tweeter. The crossover is designed to complement the phase and amplitude characteristics of the transducers, providing an inaudible and undetectable crossover transition. The seamless nature of the transition is evident not only on axis, but at any listening angle. In addition, proper woofer and enclosure design result in freedom from significant compression at signal levels up to twice the rated power handling of the system.

The availability of two package options and a bare transducer assembly further enhances the utility of the Frazier CAT 33/35. The CAT 33 is an angled front monitor (30 or 60 degrees, depending on orientation) and is suitable for use as an under balcony speaker or floor monitor. The CAT 35 has "classic" proportions in a bookshelf-size loudspeaker and is useful as a theater surround, foreground loudspeaker, or reference monitor in broadcast/recording applications where speakers are to be mounted on or near a room boundary. The C399 may be used with any standard 8 inch ceiling baffle and backbox.

Optional accessories and finishes for the CAT 33/35 speakers insure minimum installation cost and maximum flexibility in meeting aesthetic requirements. Available options include factory-installed line matching transformers, oak and walnut veneer, adjustable (CAT 35) or fixed (CAT 33) wall mount systems, and ceiling mount baffles (CAT 35).

SPECIFICATIONS

Power Handling	50 Watts (AES Std.)
Sensitivity	94 dB/1W/1M
On Axis Freq. Res	70 Hz-20 kHz ± 3 dB
Beamwidth (-4dB angle, 1 octave average, degrees horizontal x degrees vertical)	250 Hz-i 80 x 180 500 Hz-140 x 140 1 kHz-1 20 x 120 2 kHz-110 x 110 4 kHz-120 x 120 8 kHz-110 x 110
Impedance	8 ohms

Construction

5/8" MDF, lock miter joints
 CAT 33.. 10" Hx19" Wx12" D (Top) x
 6½" (Bot.) CAT 35..
 17¾" Hx11¼" Wx8¾" D
 25 Lbs. (CAT 33), 24 Lbs. (CAT 35)
 Line Matching Transformer
 Mounting System
 Ceiling Baffles
 Oak or Walnut Veneer, White

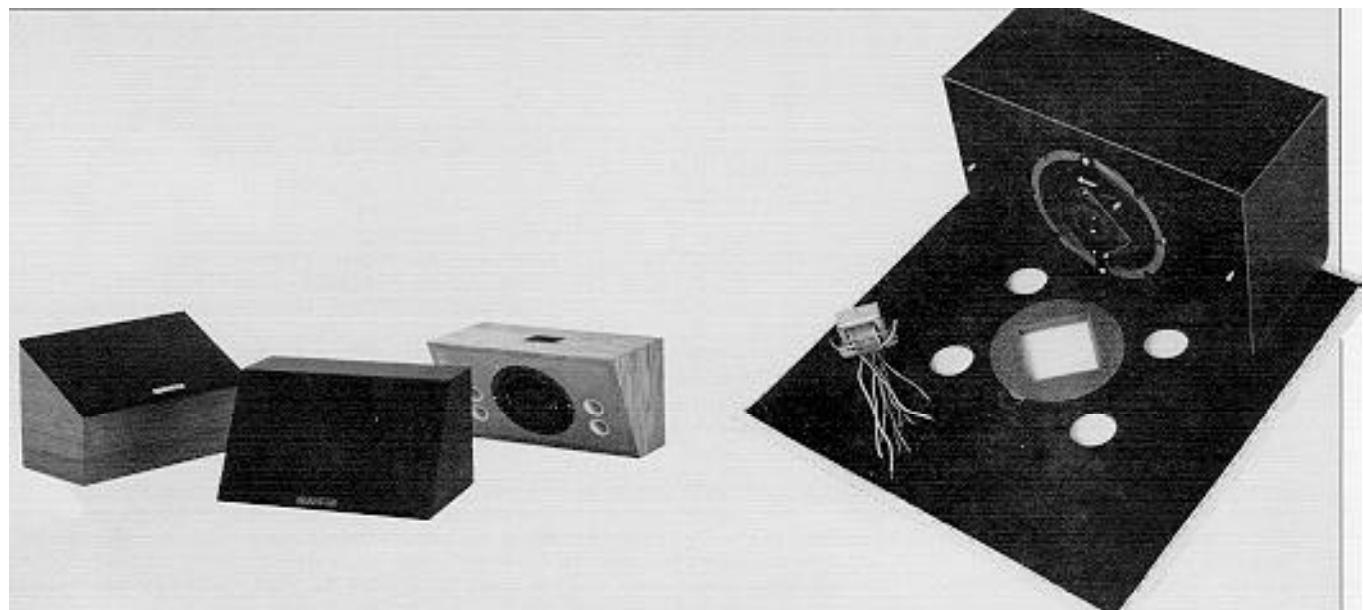
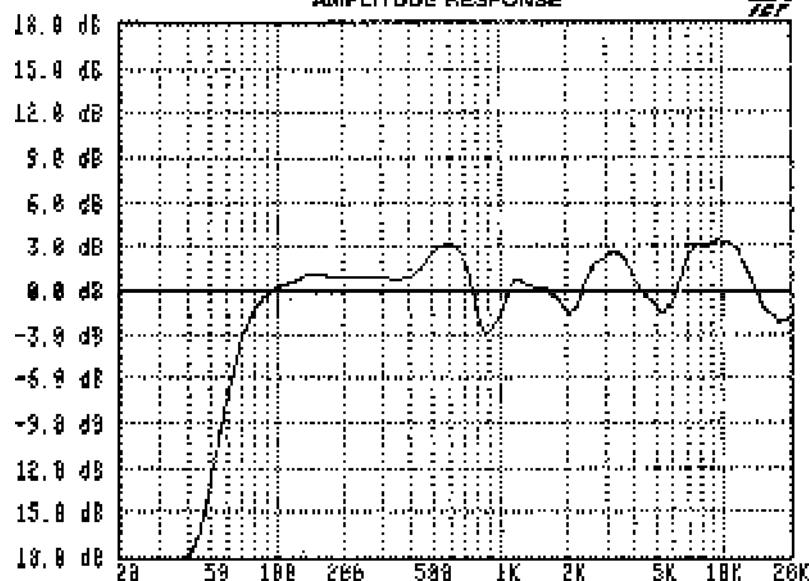
Dimensions
Net Weight
Options

Models and Finishes

- F1330 CAT 33-Black Textured Surface
- FI 332 CAT 33-White Texture Surface/White Grille
- FI 333 CAT 33-Oak Veneer Cabinet
- FI 334 CAT 33-Walnut Veneer Cabinet
- F1350 CAT 35-Black Textured Surface
- FI352 CAT 35-White Texture Surface(White Grille)
- FI 353 CAT 35-Oak Veneer Cabinet
- F1354 CAT 35-Walnut Veneer Cabinet
- C399 - Ceiling Assembly (no enclosure)

ENGINEERS' AND ARCHITECTS' SPECIFICATIONS

The loudspeaker shall consist of an eight inch woofer in a tuned vent enclosure providing maximally flat response to 70 Hz or lower and a dome type tweeter mounted coaxially in front of the woofer. Amplitude response shall be 70 Hz to 17 kHz plus or minus 3 dB measured on axis. The amplitude response shall deviate from flat by no more than plus or minus 4 dB over the frequency range 70 Hz to 10 kHz at any angle less than 60 degrees from the loudspeaker axis. The loudspeaker shall be capable of providing 110 dB continuous SPL at a distance of one meter with no greater than 50 watts electrical input power. The maximum dimensions shall be 17¾ inches by 11½ inches by 8¾ inches-CAT 35 (10 inches by 19 inches by 12 inches (Top) x 6¾ inches (Bottom)-CAT 33) and maximum weight shall be 24 pounds-CAT 35 (25 pounds-CAT 33).



Versatile CATTM 33 shown in traditional mounting position on wall or under balcony (right) and also as floor monitor (left and center).

CAT 35 shown with No. A1322, 2' x 2' baffle (2 x 4' also available) and 70 volt transformer option for T.Mount drop ceiling systems