

PEAVEY[®]
ARCHITECTURAL ACOUSTICS[®]

PR™-603T

SPECIFICATIONS

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Frequency Response:

70 Hz - 20 kHz, ±3 dB

Low Frequency Limit: (-3 dB point)

70 Hz

Useable Low Frequency Limit: (-10 dB point)

50 Hz

Power Rating (4 taps):

10W, 5W, 2.5W or 1.25W depending on tap selected. (Ref. 70V amplifier output)

Sound Pressure Level 1 watt at 1 Meter Swept Sine Input in Anechoic Environment:

84 dB

Maximum Sound Pressure Level:

94 dB

Radiation Angle Measured at -6 dB Point of Polar Response

Horizontal Plane:	Vertical Plane:
250-500 Hz 360°	250-500 Hz 360°
500-10,000 Hz 175° ±85°	500-10,000 Hz 150° ±85°
10,000-16,000 Hz 80° ±15°	10,000-16,000 Hz 70° ±10°

Directivity Factor Q

500 Hz-16,000 Hz Median:
4.3; +6.6, -2.2

Directivity Index Di 500-16,000 Hz Median:

6.3 dB; +4.0 dB, -3.0 dB

Transducer Complement:

One 5¼" special design woofer, one 1" soft dome tweeter

Tuning Frequency (F_{box}):

Sealed box resonance: 88 Hz

Crossover Frequency:

3.0 kHz

Crossover Type:

Passive internal

Electrical Crossover Slope:

12 dB/oct (2nd order) high & low pass

Input Connections:

Spring-loaded slide terminals

Enclosure Materials and Finish:

Black molded polypropylene cabinet with textured finish, black perforated metal speaker grille.

Mounting:

Flying via four threaded inserts compatible with Omnimount[®] Series 75 hardware (Omnimount not included)

Dimensions:

7½" W x 11½" H x 6½" D

Net Weight:

6 lbs.

NOTE: Tweeter is cooled with ferro fluid hi-fi voicing and clarity

FEATURES:

- Hi-fi sound character
- 5¼" special design woofer
- 1" Soft dome tweeter
- Molded polypropylene cabinet
- Four threaded mounting points
- Weather resistant for outdoor use
- Drivers protected by a metal grille
- Small and lightweight with an unobtrusive appearance
- Frequency response: 70 Hz to 20 kHz
- SPL: 84 dB at 1W/1m

DESCRIPTION:

The PR™-603T is a mini two-way speaker system with a hi-fi sound character brought about via a driver complement consisting of a 1" dome tweeter and a special design 5¼" woofer. The unobtrusive and highly practical molded trapezoidal cabinet is fitted with four threaded inserts, allowing compatibility with Omnimount[®]

hardware (Series 75). With the unique interlocking slots on either side of the trapezoidal enclosure, arrays and multiple unit installations are simplified. These qualities combine to offer unmatched versatility for use in background music systems in bars, taverns, arenas, lounges, arcades or any where a multi-channel/multi-speaker sound system is required. Ideal for these venues, these high-impact polypropylene cabinets are nearly indestructible. A perforated metal grille protects the drivers from being tampered with by establishment clientele. Both the drivers and cabinet are weather resistant, facilitating outdoor use and installations. The performance extends from 70 Hz to 20 kHz in frequency response, at an efficiency of 84 dB at 1m with 1W input.

DIRECTIVITY

This specification serves as a reference to describe the coverage characteristics of an enclosure. Directivity parameters provide insight for proper speaker placement and installation in a chosen environment. As shown in Figure 3 the PR-603T exhibits a wide coverage over the entire frequency band.

FREQUENCY RESPONSE

The measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the PR-603T is measured at 1 meter using a swept sine input. As shown in Figure 1, the selected drivers in the PR-603 combine to give a smooth frequency response from 70 Hz to 20,000 Hz.

POWER HANDLING

There are many different approaches to power handling ratings, the most common being EIA standard RS-426A. The derived shape of this test spectrum was an attempt to simulate the spectral content of contemporary music. Although it does resemble contemporary music, EIA-RS-426A does not contain the same levels of very low frequency material found in live music situations. Very high levels of low frequency material produce distortion and, ultimately, device failure. The presence of the low frequency material will therefore yield lower device ratings than produced by EIA standard RS-426A.

Although the Peavey ratings are lower than those produced by the EIA test spectrum, they are far more reliable and will have a direct correlation to real world situations.

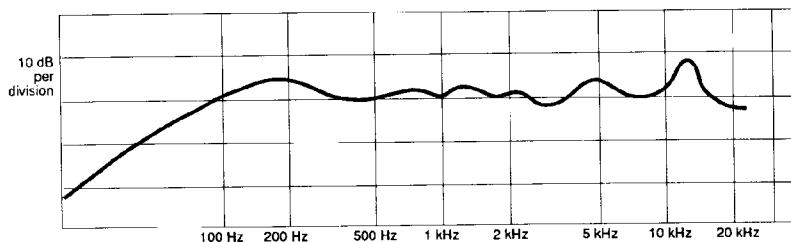


Figure 1. FREQUENCY RESPONSE

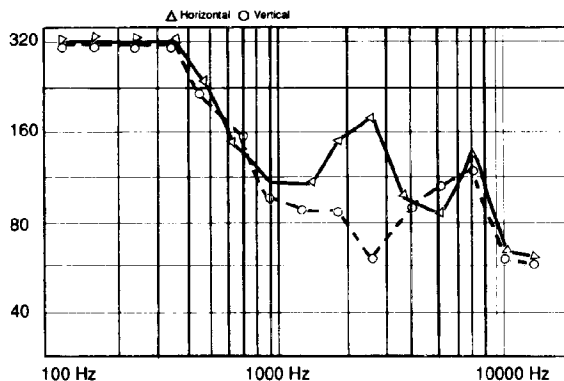


Figure 3. BEAMWIDTH VS. FREQUENCY

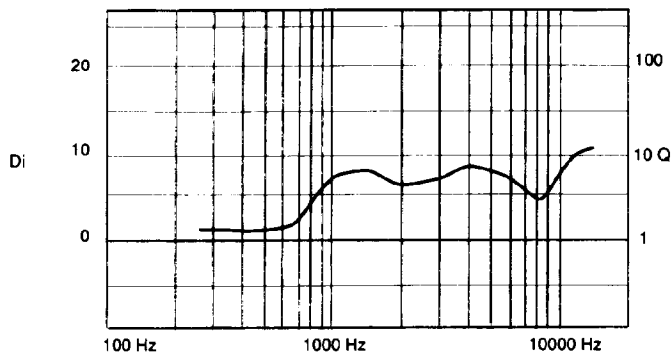
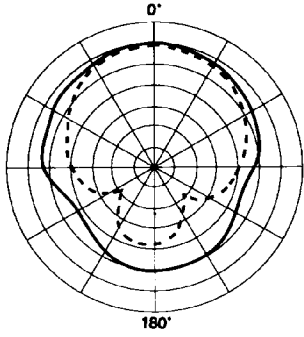


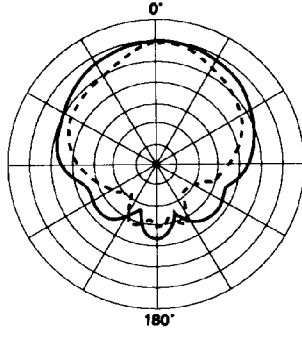
Figure 4. DIRECTIVITY

5 dB per Division

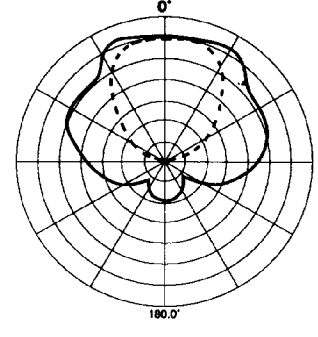
HORIZONTAL



— 500 Hz
- - - 1 kHz



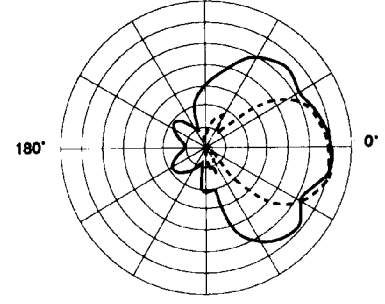
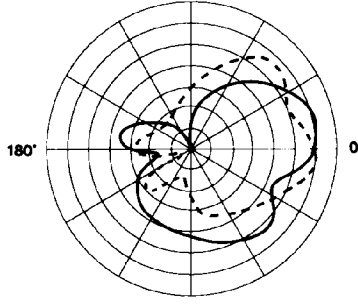
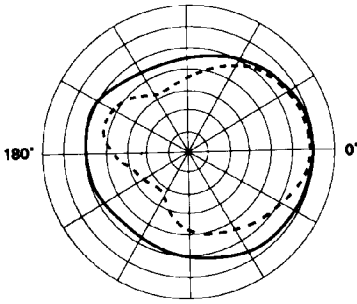
— 2 kHz
- - - 4 kHz



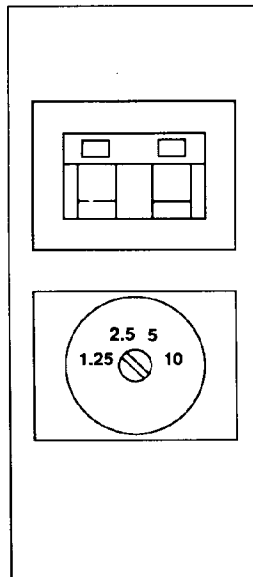
— 8 kHz
- - - 16 kHz

5 dB per Division

VERTICAL



REAR OF ENCLOSURE



INPUTS

TRANSFORMER
TAP
SELECTOR

MOUNTING

Omnimount 75, interlock to form array. No more than three PR-603T units should be suspended from a single Omnimount 75 mounting system.

ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating bandwidth of 70 Hz to 20 kHz. The output level shall be 84 dB when measured at a distance of one meter with an input of one watt. The outside dimensions shall be 7½"W x 11½"H x 6½"D. The weight shall be 6 lbs. The loudspeaker system shall be a Peavey Architectural Acoustic Division model PR™-603T.

LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Architectural Acoustics product that it is free from defects in material and workmanship. If within one (1) year from date of purchase a properly installed product proves to be defective and Peavey is notified,

Peavey will repair or replace it at no charge. (Note: Batteries and patch cords not covered.) "Original purchaser" means the customer for whom the product is originally installed.

Damage resulting from improper installation, interconnection of a unit or system of another manufacturer, accident or unreasonable use, neglect or any other cause not arising from defects in material and workmanship is not covered by this warranty. The warranty is valid only as to products purchased and installed in the United States.

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Peavey's liability to the original purchaser for damages for any cause whatsoever and regardless of the form of action, is limited to the actual damages up to the greater of Five Hundred Dollars (\$500) or an amount equal to the purchase price of the product that caused the damage or that is the subject of or is directly related to the cause of action. This limitation of liability will not apply to claims for personal injury or damage to real property or tangible personal property allegedly caused by Peavey's negligence. For information on service under this warranty, call a Peavey customer service representative at (601) 483-5376.



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