

Stadia™ T II

High Performance Two-Way
Weather-Resistant
Speaker System

Frequency Response:

58 Hz-15 kHz \pm 3 dB

Low Frequency Limit (-3 dB point):

58 Hz

Useable Low Frequency Limit

(-10 dB point):

50 Hz

Power Handling:

50 watts, 25 watts, or 12 1/2 watts,
depending on tap selected

**Sound Pressure Level, 1 Watt at 1
Meter Swept Sine Input In Anechoic
Environment:**

93 dB

Maximum Sound Pressure Level:

107 dB (50 watt tap)

Radiation Angle Measured at -6 dB

Point of Polar Response:

Horizontal Plane:

500 Hz - 1.6 kHz

120° \pm 30°

1,600 - 5,000 Hz

65° \pm 20°

5,000- 16,000 Hz

70° \pm 15°

Vertical Plane:

500 Hz - 1.6 kHz

115° \pm 20°

1,600 - 5,000 Hz

60° \pm 20

5,000 - 16,000 Hz

50° \pm 15°

Directivity Factor Ro(Q)

500 Hz - 16,000 Hz Median:

8.3 +10.7,-5.5

Directivity Index (Di)

500 -16,000 Hz Median:

9.2 dB +3.6 dB, -4.7 dB

Transducer Complement:

One 12" heavy - duty weather-
resistant low frequency speaker,
one Peavey CDH-90 constant
directivity dynamic horn tweeter

Closed Box Resonance:

78 Hz

Electro -acoustic Crossover

Frequency:

3.2 kHz

Crossover Type:

Two-way internal passive

Electrical Crossover Slope:

1st order low pass to woofer
(6 dB/oct.)

2nd order high pass to tweeter
(12 dB/oct.)

Impedance (Nominal):

70.7 distribution transformer input

Input Connections:

Barrier strip

Enclosure Materials and Finish:

Molded black polyethylene with
a light pebble finish. Perforated
black metal 3-D grille. Available
in white finish.

Mounting:

Stand mounting via built-in
stand adaptor, two mounting
points (one on left side and one
on top) compatible with the
Peavey Versamount™ 70 and
the Omnimount® Series 100
hardware.

Dimensions:

14" W x 21" H x 11 3/4" D in front
8 1/4" W x 19 1/2" H in rear

Net Weight:

33 LBS

Additional Remarks:

Unit is weather-resistant. Woofer
features Kevlar™ impregnated
cone. Hi-fi voicing.

*Omnimount® is a registered
trademark of Omnimount
Systems, Inc.*

PEAVEY®

FEATURES

- * Molded plastic trapezoidal enclosed
- * 3-D perforated metal grille
- * 12" heavy-duty Kevlar® impregnated woofer
- * 1" diaphragm constant directivity horn tweeter
- * Weather-resistant system
- * Input via screw terminals
- * Reinforced mounting point inserts
- * Stand adaptor molded in
- * High power handling
- * Extended bass
- * Available in black or white cabinets
- * Hi-fi sound
- * Sealed cabinet

Kevlar® is a registered trademark of DuPont Company

DESCRIPTION

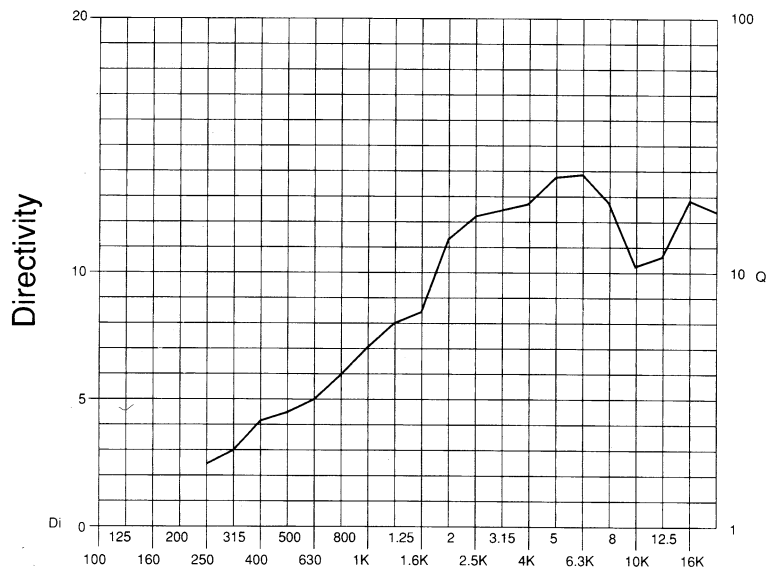
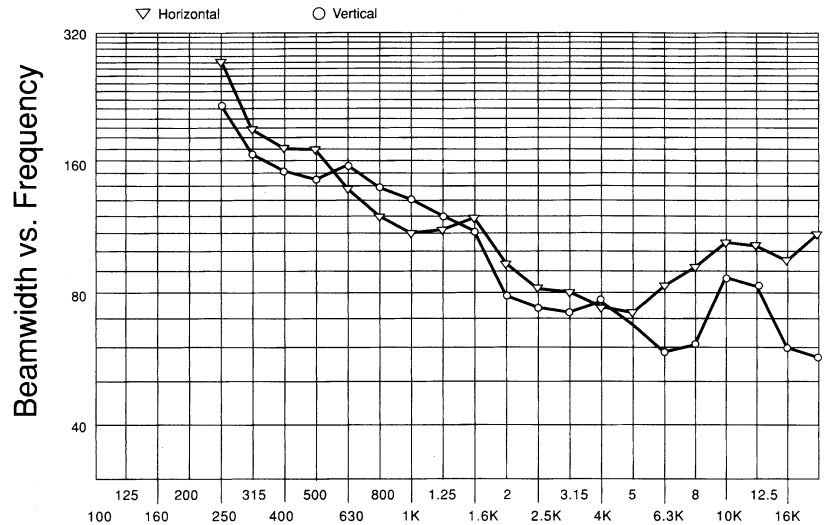
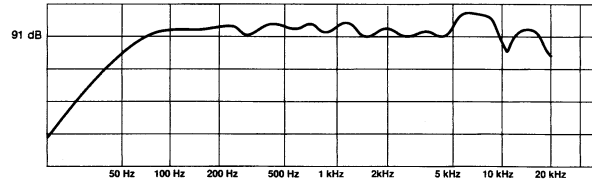
The Stadia™ T II is a two-way full-range speaker system engineered to provide high performance in a weather-resistant compact package.

The enclosure utilizes molded polyethylene in a trapezoidal shape, along with a 3-D perforated metal grille, to provide a cosmetically pleasing yet durable system. The 12" heavy-duty woofer features a Kevlar® impregnated cone, offering extended bass response. A 1" diaphragm constant directivity dynamic horn tweeter handles the high frequencies. Input connection to the system is made using screw type terminals for long-term reliability, and an internal passive crossover enables high power handling and a smooth response with a hi-fi sound character. The sealed cabinet, available in black or white, offers mounting point inserts reinforced with internal steel braces, as well as a molded-in stand adaptor for maximum utility and installation.

DIRECTIVITY

Beamwidth and directivity factors are derived from the -6 dB points from the polar plots, which are measured in a whole space anechoic environment. These are specifications which provide a reference to the coverage characteristics of the enclosure. These parameters

Frequency Response



provide insight for proper enclosure placement and installation in the chosen environment. The blending of the components of the Stadia T II exhibits a desirable beamwidth and directivity factor suitable for all high-level sound reinforcement applications.

FREQUENCY RESPONSE

This measurement is useful in determining how accurately a given enclosure reproduces an input signal. The frequency response of the Stadia T II is measured at 1 meter using a swept sine input. The selected drivers in the Stadia T II combine to give a smooth frequency response from 58 Hz to 15 kHz.

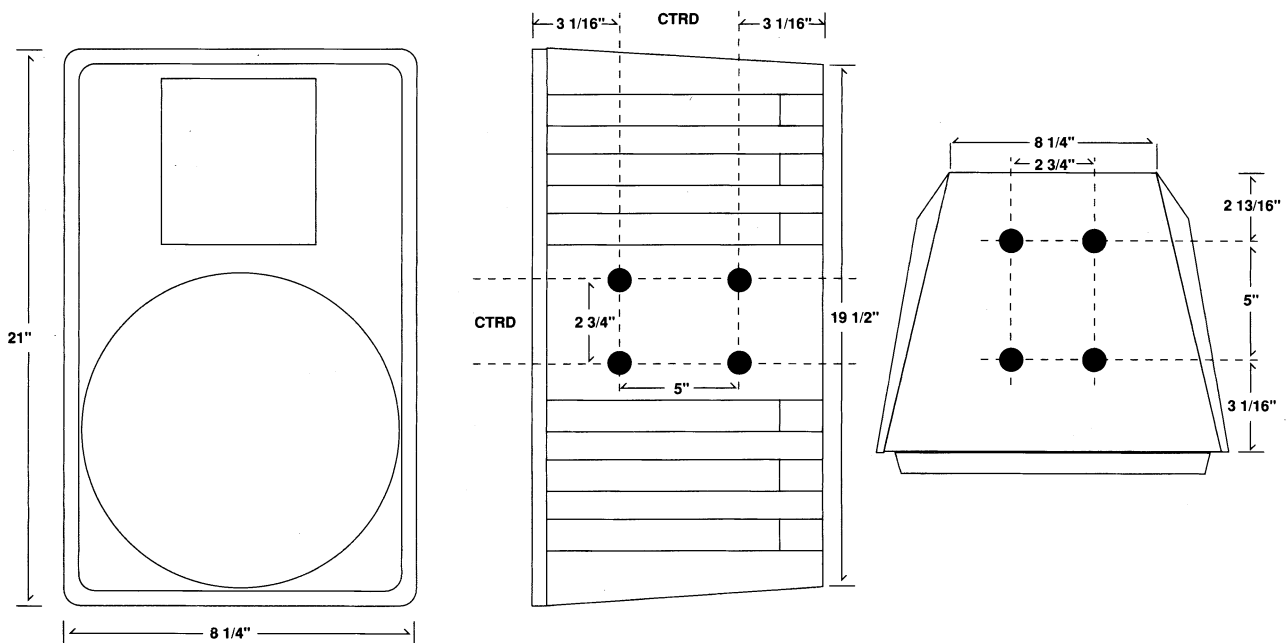
POWER HANDLING

There are many different approaches to

power handling ratings. Peavey rates this speaker system's power handling using a modified form of the AES Standard 2-1984. Utilizing audio band (20 Hz - 20 kHz) pink noise with peaks over four times the RMS level, this strenuous test signal assures the user that every portion of this system can withstand today's high technology music. The test signal contains large amounts of very low frequency energy, effectively simulating the frequency content of live music situations. The full measure of high frequencies in the test signal allow for exposure of the speaker system to synthesized tone that may extend beyond audibility. This rating is contingent on having a minimum 3 dB of amplifier headroom available.

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

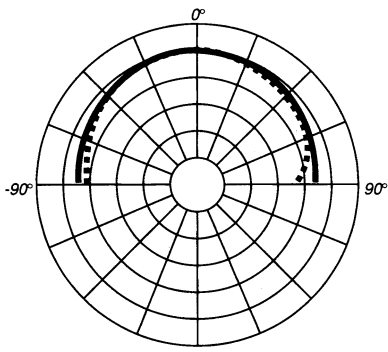
The loudspeaker system shall have an operating bandwidth of 58 Hz to 15 kHz. The output level shall be 93 dB when measured at a distance of one meter with an input of one watt. The input shall be a 70.7 Volt transformer with taps at 50 watts, 25 watts, and 12 1/2 watts. Input connection shall be via barrier strip screw terminals. The nominal radiation geometry shall be 90 degrees in the horizontal plane and 40 degrees in the vertical plane. The outside dimensions shall be 14 inches wide by 21 inches high by 11 inches deep. The weight shall be 33 lbs. The loudspeaker system shall be a Peavey Product model Stadia™ T II.



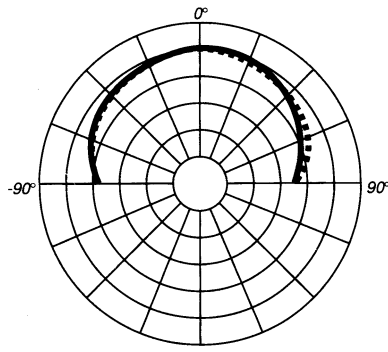
Dimensional Drawing / Mounting Points

HORIZONTAL POLAR PATTERNS

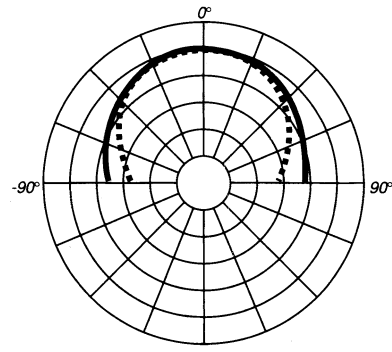
6 dB per division



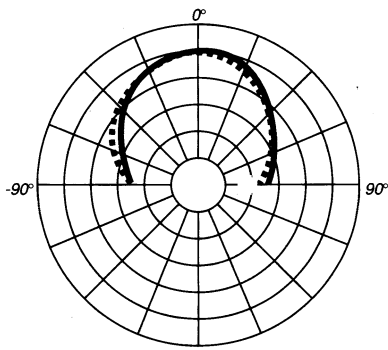
250 Hz ———
315 Hz ·····



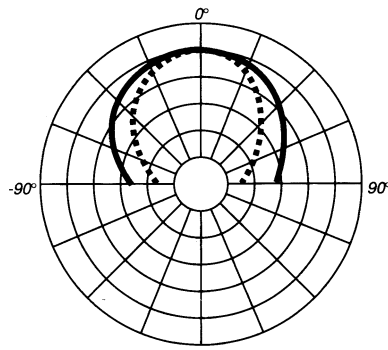
400 Hz ———
500 Hz ·····



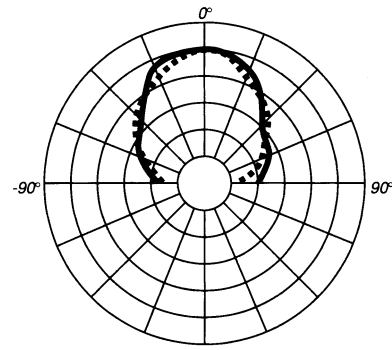
630 Hz ———
800 Hz ·····



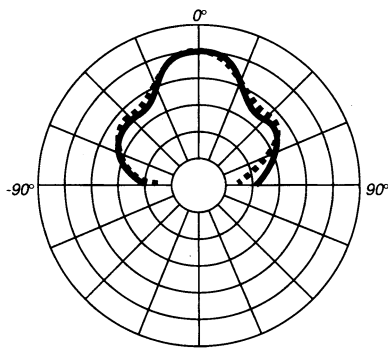
1 kHz ———
1.25 kHz ·····



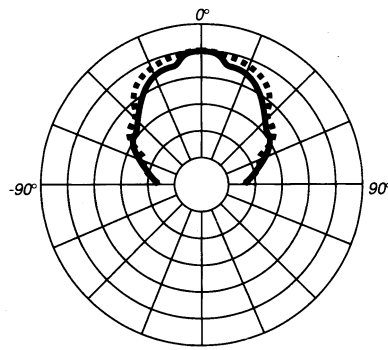
1.6 kHz ———
2 kHz ·····



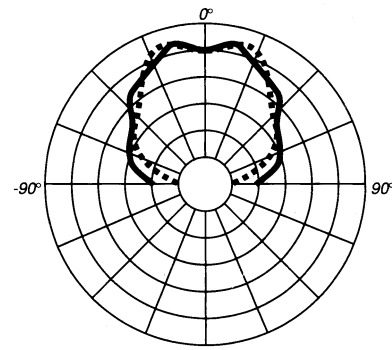
2.5 kHz ———
3.15 kHz ·····



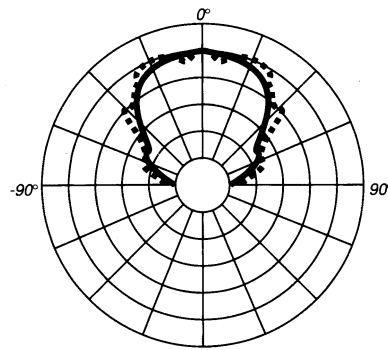
4.0 kHz ———
5 kHz ·····



6.3 kHz ———
8 kHz ·····



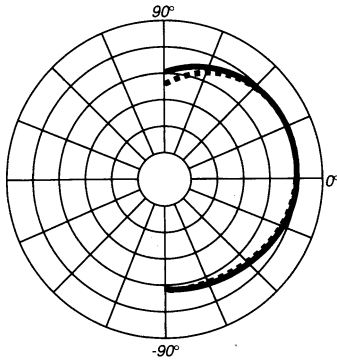
10 kHz ———
12.5 kHz ·····



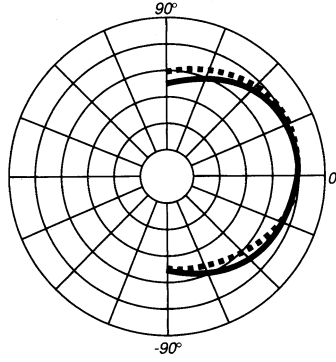
16 kHz ———
20 kHz ·····

VERTICAL POLAR PATTERNS

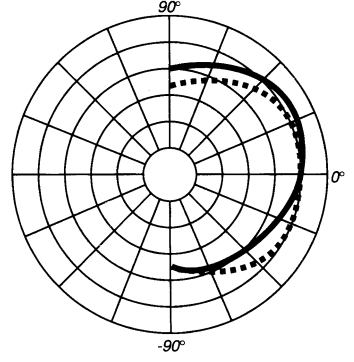
6 dB per division



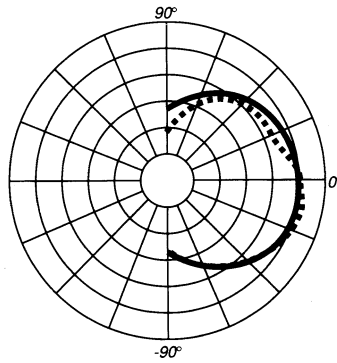
250 Hz ———
315 Hz



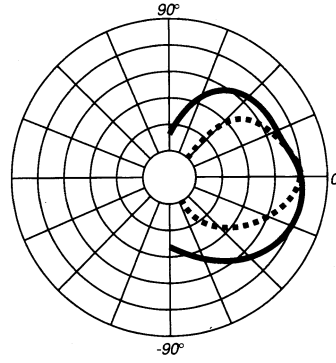
400 Hz ———
500 Hz



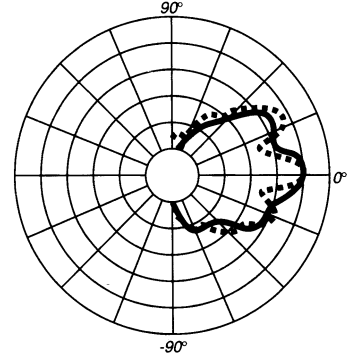
630 Hz ———
800 Hz



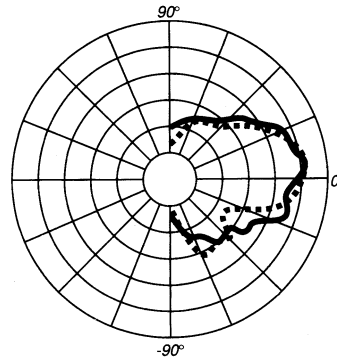
1 kHz ———
1.25 kHz



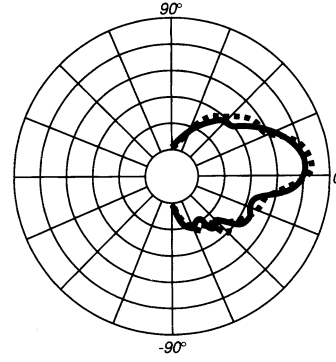
1.6 kHz ———
2 kHz



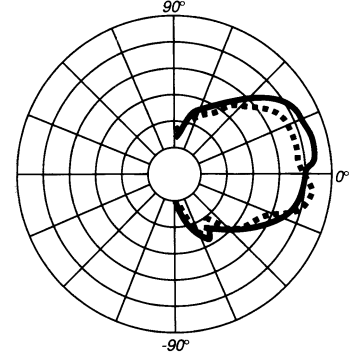
2.5 kHz ———
3.15 kHz



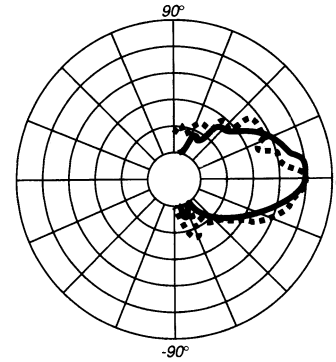
4 kHz ———
5 kHz



6.3 kHz ———
8 kHz



10 kHz ———
12.5 kHz



16 kHz ———
20 kHz

LIMITED WARRANTY

Peavey Electronics Corporation warrants to the original purchaser of this new Peavey 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 and Canada.

THIS LIMITED WARRANTY IS IN LIEU OF ANY AND ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE. UNDER NO CIRCUMSTANCES WILL PEAVEY BE LIABLE FOR ANY LOST PROFITS, LOST SAVINGS, INCIDENTAL DAMAGES OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT, EVEN IF PEAVEY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. THIS LIMITED WARRANTY IS THE ONLY EXPRESSED WARRANTY ON THIS PRODUCT, AND NO OTHER STATEMENT, REPRESENTATION, WARRANTY, OR AGREEMENT BY ANY PERSON SHALL BE VALID OR BINDING UPON PEAVEY.

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) 483-5365.

PEAVEY®

Features and specifications subject to change without notice.

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