

FH™-2

High-Efficiency
High-Level Folded-Horn
Low Frequency System

SPECIFICATIONS:

Enclosure:

FH™-2 BW

Frequency Response, 1 Meter on Axis, Swept Sine Averaged Across Operating Bandwidth in Anechoic Environment:

60 Hz-400 kHz

Low Frequency Limit (-3 dB point):

60 Hz

Useable Low Frequency Limit (-10 dB point, ref. avg. level):

48 Hz

Power Handling:

300 watts continuous (34.6 volts RMS)
600 watts program

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

110 dB

Maximum Sound Pressure Level:

134 dB

Transducer Complement:

Two 15" model 1504-4 Black Widow®
woofers

Horn Cut-Off Frequency (F_{box}):

62 Hz

Impedance (Nominal):

4 ohms

Impedance (Minimum):

2.4 ohms (4 pi)
3.5 ohms (2 pi)

Input Connections:

Color coded 5-way binding posts

Enclosure Materials and Finish:

With black splatter painted finish

Dimensions:

42⁷/₁₆" (107.8 cm) W × 24³/₈" (61.9 cm) H ×
41¹/₂" (105.7 cm) D

Net Weight:

250 lbs.

DESCRIPTION

The FH™-2 is a folded-horn low frequency enclosure designed for use as a high efficiency deep bass cabinet. It's uncompromising, sturdy construction and use of dual 15" woofers assures maximum performance. The enclosure is constructed of ¾", 7 ply high-density plywood, finished in black splatter paint and capped with steel corners. A recessed pair of handles on each side allow convenient portage.

The FH-2 is comprised of two 15 inch 1504-4 Black Widow® woofers optimally aligned within a complex folded-horn designed to extend the horn via the ground, floor or stage structure it rests on. This virtual coupling of the horn to a reflecting boundary changes the radiation load from a 4 pi, or completely open environment, to a 2 pi (or hemisphere) loading which effectively boosts the very low frequencies by 6 dB.

Connections to the enclosure are via 5-way binding posts, assuring positive electrical contact and full versatility.

FREQUENCY RESPONSE

The frequency response of the FH™-2 is measured in an anechoic environment at a distance of 1 meter while using a 2.82 volt logarithmically swept sine input. This measurement is useful in determining the accuracy in which the enclosure reproduces the input signal. The combination of the two 1504-4 15" Black Widows horn loaded results in a flat desirable response as shown in Figure 1.

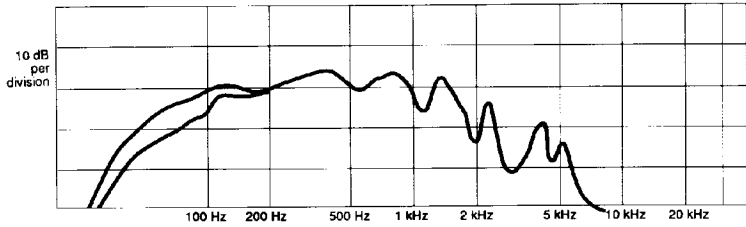


Figure 1. FREQUENCY RESPONSE

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.

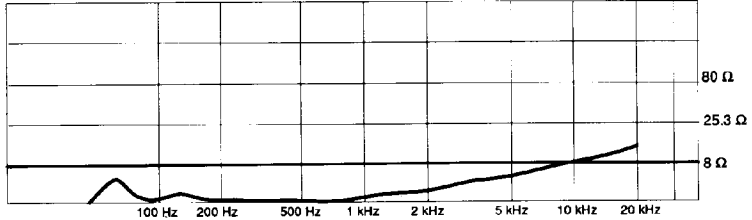


Figure 2. IMPEDANCE

ARCHITECTURAL & ENGINEERING SPECIFICATIONS

The loudspeaker system shall have an operating Bandwidth of 60 Hz to 400 Hz. The output level shall be 110 dB when measured at a distance of one meter with an input of one watt. The nominal impedance shall be 8 ohms. The continuous power handling shall be 300 watts. Maximum program power of 600 watts, with a minimum amplifier headroom of 3 dB. The outside dimensions shall be 42⁷/₁₆ inches wide by 24³/₈ inches high by 41¹/₈ inches deep. The weight shall be 250 lbs. The loudspeaker system shall be a Peavey Model FH™-2.

PEAVEY **FH-2™**
LOW FREQUENCY HORN

A Product of Peavey Electronics Corp.
Meridian, Mississippi U.S.A.

Impedance: 4 ohms

Max Power: 300 watts
(34.6v RMS) Continuous

CAUTION: THIS LOUSPEAKER CAN PERMANENTLY
DAMAGE HEARING; USE EXTREME CARE SETTING
MAXIMUM LOUDNESS.

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ONE YEAR LIMITED WARRANTY --

Note: For details, refer to the warranty statement. Copies of this statement may be obtained by contacting Peavey Electronics Corporation, P. O. Box 2898, Meridian, Mississippi 39302-2898.



Features and specifications subject to change without notice.