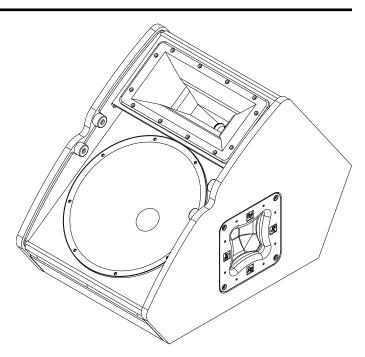
# TX1122FM

## **Key Features:**

- 55° Compact Vertical Floor Monitor with Signal Synchronized Transducers™
- 99 dB Sensitivity, 132 dB Maximum SPL
- DH3 1.25" (32mm) Diaphragm, 1" (25mm) Exit
  Pure Titanium Compression Driver
- SMX2121 12" (305mm) LF Transducer with Fully Symmetric Drive
- Integrated Crossover with Steep 24 dB/ Octave Slopes and HF Protection
- 90° x 50° Coverage Pattern
- 500W Continuous (2000W Peak) Power Handling



#### **General Description:**

The Electro-Voice® TX1122FM is a compact, high output dedicated floor monitor for use on small to medium-sized stages where high quality vocal and instrument applications are required in a lightweight package.

The TX1122FM enclosure utilizes Signal Synchronized Transducers™ (patent pending), a design that aligns the woofer and compression driver by locating them on separate baffles, and integrates a low distortion port between the baffles. This offers tremendous advantages over traditional flat baffle construction: the acoustic centers of the woofer and compression driver are closer together, synchronizing arrival time; the voice coils of the compression driver and woofer are in the same plane, achieving linear phase response; and the size of both baffles are smaller than a single baffle; resulting in a smaller footprint.

The TX1122FM utilizes the DH3, a high output 1.25" titanium compression driver, coupled to a Constant Directivity™ 90° x 50° horn. The SMX2121 12" woofer has an FEA optimized magnet structure and shorting ring for ultra low distortion. The crossover uses steep 24 dB/octave slopes with equalization for very smooth response in vocal range, and has a built in protection circuit for long term reliability. The combination of the transducers, enclosure, and crossover result in a compact floor monitor that is capable of very high output levels levels before feedback.

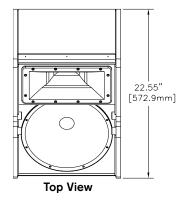
The TX1122FM has a variety of features that make it well suited as a dedicated floor monitor. The internally braced enclosure is constructed out of a combination of plywood and MDF, and coated with EVCoat™ for maximum strength and durability. The unique grille design is very strong and dent resistant, and features a rotatable logo. Four way handles allow for gripping the TX1122FM in a variety of positions. The recessed input panel with dual NL4 connectors is located on the rear of the enclosure, which keeps the connectors hidden and away from the performers on stage.

## **Technical Specifications:**

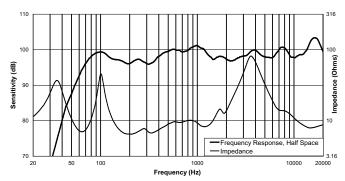
70 Hz - 20 kHz
70 HZ - 20 KHZ
55 Hz - 20 kHz
60 Hz
99 dB (1W/1m)
132 dB
90°
50°
500W Continuous, 2000W Peak
SMX2121, 12 in (305mm) Driver
DH3, 1.25 in (32mm) Diaphragm Compression Driver
1600 Hz
3 Ohms
6.4 Ohms
(2) Neutrik Speakon NL4's
Plywood and MDF with EVCoat™
16 GA Steel, Black Powdercoat, with Rotatable Logo
17.3" x 14.3" x 22.6"
(440mm x 364mm x 573mm)
43.7 lbs (19.8 kg)
49.2 lbs (22.4 kg)
5 6 9 1 9 5 5 S C 1 8 6 7 P 1 R 1 7 4

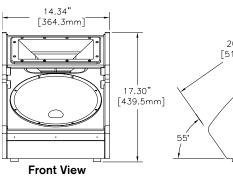
<sup>&</sup>lt;sup>1</sup> Half Space Measurement

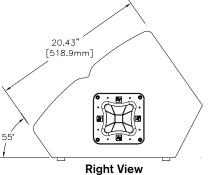
## **Dimension Drawings:**

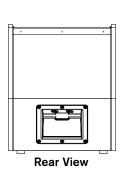


# Frequency Response & Impedance:

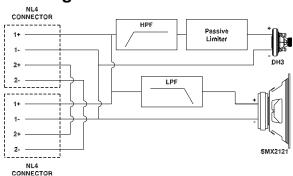








# **Block Diagram:**



#### TX1122FM Part Numbers

PRD000144-001 TX1122FM, Single 12" Two Way, 90° x 50° Vertical Stage Monitor, Black Finish

#### **Performance Match**

PRD000162-000 PL80A, Vocal Microphone, Dynamic, Supercardioid, Ultra-Low Noise

PRD000145-001 TX1152FM, Single 15" Two Way, 90° x 50°

Vertical Stage Monitor, Black Finish D170401 CP4000S, 120V Power Amplifier, 2 x 1400W

CP3000S, 120V Power Amplifier, 2 x 1100W D170312 D170258 CP2200, 120V Power Amplifier, 2 x 800W

PRD000043-001 DC-One, 120V Digital Loudspeaker Controller

# Electro-Voice®

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www.electrovoice.com

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