



### Key features

- **Vented bass horn**
- **Superior Low Frequency Directivity control**
- **High Output Capability**

### Application

The CAT B low frequency horn is designed for live stage, outdoor concerts, or any other sound reinforcement applications requiring low frequency response to the 50Hz region at extremely high levels. Efficiency of design permits the maximum sound pressure level to be realized from both, amplifier and 15" driver.

### Description

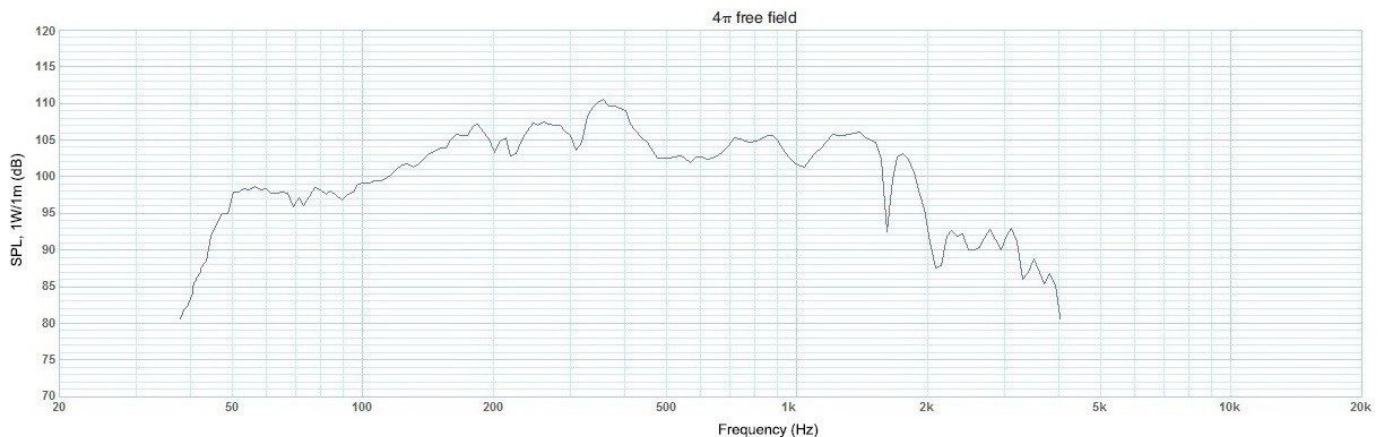
The CAT B is front loaded straight horn with reflex loading for RCF 15" driver, maintaining response to above 1kHz to permit crossover to the mid-high horn anywhere in the favorable 250 to 500Hz range. Exponential flare loads bass driver down to 100 Hz, but ultimate performance is achieved in configuration of four modules vertically coupled, when horn loading noticeable stronger begins below 80 Hz, while the reflex porting extends the useful response to 50 Hz.

High sound pressure levels place great stress upon the structure of the design. Material of construction is 18mm birch plywood (13 plies), far less prone to panel resonances than other conventionally materials. For further control, extensive internal bracing is used, and also stone sandwich structure lining at critical positions. Inside surfaces are lined with absorbent material to damp out any unwanted reflections within the cabinet.

### Specifications:

System Type:	15" Vented bass horn module
Frequency Response:	50 – 1500Hz
Impedance:	8 ohms
Power Rating:	850 Watts Long-Term (AES), 3400 Watts Short-Term
Sensitivity:	105 dB, 1W@1m, single module 111 dB@1m, with four modules coupled, 0.25W per module
Maximum SPL*:	134 dB Long-Term, 140 dB Short-Term, single module 146 dB Long-Term, 152 dB Short-Term, with four modules coupled
LF Driver:	1 x 15" RCF
Crossover Frequency:	250 – 500Hz
High Pass Frequency:	50Hz, min. 12 dB/octave Butterworth
Enclosure:	Rectangular, 18 mm, 13-ply birch plywood
Finish:	Dark brown/black
Input Connectors:	Neutrik® Speakon® NL-4, x2 paralleled
Dimensions:	43.8 cm high x 95.2 cm wide x 69.0 cm deep
Net Weight:	70.0 kg

\*Calculated based on power rating and sensitivity, 1 m



Measured on axis in 4π, free field conditions (without controller), single module, 1/24 octave