



TECHNICAL SPECIFICATIONS FR250z

FEATURES

- Entry-level access to truly professional loudspeaker systems
- Dual 15-in woofers in an tuned vented enclosure
- Doubles as a pole mount base for use with other FRz Series systems

DESCRIPTION

A dedicated subwoofer system with 2x 15-in transducers in a compact vented rectangular enclosure. The FR250z's enclosure also doubles as a stable pole mount base for use with any of the FRz Series full range systems.

Tuned enclosure venting extends LF response and minimizes driver strain. An appropriately configured external processor can extend LF response and safeguard against cone excursion damage while integrating the subwoofer with FRz Series full range systems.

APPLICATIONS

The FR250z provides high output sub bass response in a compact, portable enclosure. Intended primarily for portable applications, the system includes recessed handles, rubber footpads and optional rear mounted casters.

For increased stability, the systems pole mount base reaches to the bottom of the enclosure to leverage the system's entire weight. Furthermore, since it uses the enclosure's widest dimensions, the FR250z provides a remarkably solid pole mount base. Six year warranty.

Applications include:

- Band PA
- Ballroom Events
- Dance Clubs
- Live Music Clubs



DESCRIPTIVE DATA

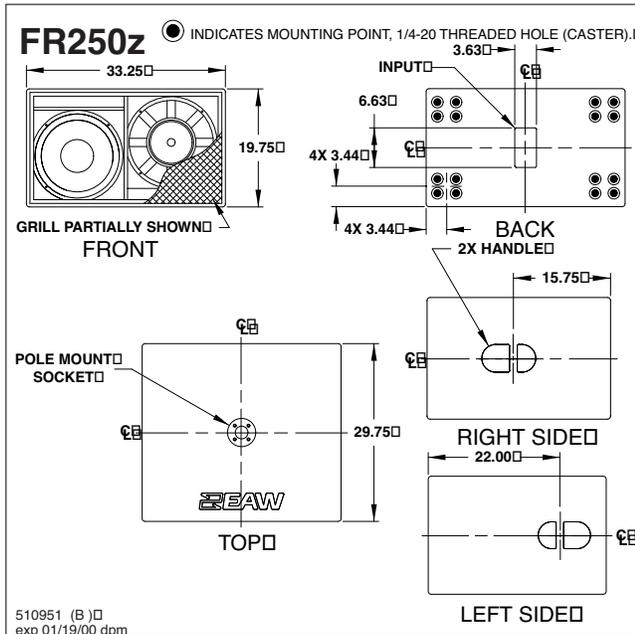
Configuration	Subwoofer	
Powering	Passive	
Sub Bass Subsystem	2x15-in, Vented	
Cabinet Type (shape)	Rectangular	
Enclosure Materials	Baltic Birch Plywood	
Finish	Black Catalyzed Polyurethane	
Connectors	2x Neutrik NL4 Speakon	
Suspension Hardware	Pole Mount Cup for 1 3/8-in Diameter Pole (5-ft length recommended)	
Grill	Powder Coated Perforated Steel	
Dimensions	inches	millimeters
Height	19.75	502
Width	33.25	845
Depth	29.75	756
Weights	pounds	kilograms
Net Weight	125	56.9
Shipping Weight	130	59.2
Companion Systems		
Full Range	FR129z, FR159z, FR153z	





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DIMENSIONAL DRAWING



NOMINAL DATA

Frequency Response (1 W @ 1m)	
±3 dB	40 to 2100 Hz
-10 dB	33 Hz
Axial Sensitivity (dB SPL, 1 Watt @ 1m)	
Sub Bass	101
Impedance (Ohms)	
Sub Bass	4
Power Handling, AES Standard (Watts)	
Sub Bass	1000
Calculated Maximum Output (dB SPL)	
Sub Bass Peak	137.0
Sub Bass Long Term	131.0
Recommended High-Pass Frequency	
24 dB/Octave	35Hz

ARCHITECTURAL SPECIFICATIONS

The sub bass loudspeaker systems shall incorporate 2x 15-in LF transducers mounted in separate vented subenclosures tuned for optimum low frequency response.

System frequency response shall vary no more than ± 3 dB from 40 Hz to 2100 Hz measured on axis with appropriate signal processing. The loudspeaker shall produce a Sound Pressure Level (SPL) of 101 dB SPL on axis at 1 meter with a power input of 1 Watt, and shall be capable of producing a peak output of 137 SPL on axis at 1 meter. The loudspeaker shall handle 1000 Watts of amplifier power (AES Standard) and shall have a nominal impedance of 4 Ohms.

The loudspeaker enclosure shall be trapezoidal in shape. It shall be constructed of 15mm thickness void-free cross-grain-laminated Baltic birch plywood and shall employ extensive internal bracing. The enclosure shall include a pole mount socket extending through to the bottom of the enclosure to accept a 1 3/8-in mounting pole. It shall be finished in black polyurethane. Recessed handles, optional rear mounting casters and rubber footpads shall be provided. Input connectors shall be 2x Neutrik NL4 Speakon. The front of the loudspeaker shall be covered with a powder coated perforated steel grill.

The sub bass loudspeaker shall be the EAW model FR250z.

INPUT PLATE

