

AC255

product group:
system type:

Advanced Contractor's Series
Dual Direct Radiating LF 15"s



construction

The AC255 is a dedicated LF / subwoofer system in a rectangular, horizontal, computer optimized enclosure. Loudspeaker complement consists of a twin 15" LF woofers separately loaded into individual, vented sub-enclosures. The entire enclosure is constructed of durable 12-ply void-free birch laminate, dadoed for strength and durability. Integrated eyebolt receptacles are located on the top to facilitate installation. McCauley's rugged ProCoat™ elastomeric finish provides excellent weather protection and will resist scratches and scuffs. Binding posts are located on a recessed steel jackpanel on the back side of the enclosure. Perforated steel is employed for frontal protection of the loudspeaker complement.



Features:

Integrated Eyebolt Suspension
McCauley Performance Class Componentry
9 ply Dadoed Construction
Durable ProCoat™ Elastomeric Finish



the idea behind it

The AC255 was designed as multipurpose, dedicated low frequency / bass "workhorse" system for medium to large scale environments. Its durable construction and reliable performance make this system an excellent choice for night club installation. This system also integrates easily with other McCauley AC™ and SA™ products, offering consistent coverage and a uniform appearance.

Applications:

House of Worship
Dance Club Sound
Live Club Installation
Restaurant & Bar

performance parameters

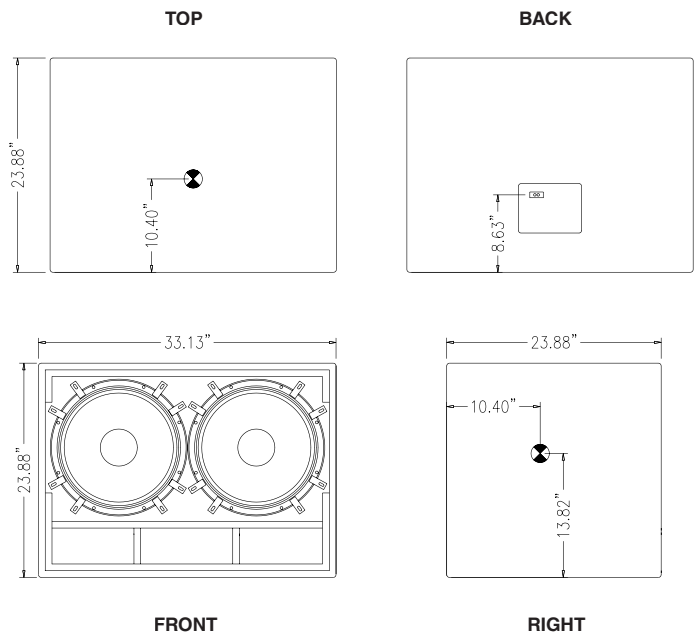
power handling	900w RMS
frequency response	35Hz - 800Hz
nominal impedance	4Ω
sensitivity (2.83v@4Ω, 1w, 1m)	102db
maximum output SPL Continuous Peak	130db 136db
recommended bandpass	20Hz/ 180Hz

physical properties

weight	140lbs / 64kgs
dimensions inches centimeters	24H x 33W x 24D 61H x 84W x 61D
finish	ProCoat™
enclosure material	5/8" 12-ply
construction	rabbet & dadoed
suspension	integrated eyebolt
connectors	binding posts
transducers	(2) 15"s
recommended mid/high	AC222-2, AC122-2

dimensional illustrations

architectural specifications



The loudspeaker shall be a low frequency bass reflex enclosure. It shall comprise of two low frequency McCauley 15" transducers. The 15" transducer shall utilize the "Focused Field" removable magnet structure design. The loudspeaker shall have a power capacity of 900 watts RMS and 1800 watts peak and a sensitivity of 102 dB measured at 1 meter with 2.83 volts into a nominal 4 ohm load. The loudspeaker shall be capable of 132 dB SPL continuous and 138 dB SPL peak maximum output. The loudspeaker system shall have an effective operating range of 40Hz to 800Hz +/- 3 dB (30Hz to 1.5kHz - 10 dB). The loudspeaker shall have built in 3/8" 'eye bolt' points to allow ceiling suspension. The AC255 shall weigh a total of 140 lbs. and shall measure 24 inches tall, 33 inches wide and 24 inches in depth. The AC255 enclosure shall be constructed of 12-ply void-free birch hardwood and shall have a weather and wear resistant ProCoat™ elastomeric finish. Electrical connections shall be made via standard binding posts or barrier strips. The loudspeaker shall be the McCauley AC255.

response data

