



R2D-III Full Range Loudspeaker



APPLICATIONS

Live Sound Reinforcement
Theaters
Houses of Worship
Dance Clubs
Cruise Ships
Entertainment Venues

FEATURES

Vertical/Horizontal Mounting
High Output
LF Device: 12in. (304.8mm)
HF Device: 2in. (50.8mm)
Rotatable 90° H x 40° V HF
Durable Polyurea Coating
EP-4 Connectors &
4-Position Terminal Strip

GENERAL DESCRIPTION

R2D-III is a full range, high output loudspeaker ideal for speech and music reproduction. The R2D-III is one of Clair Brothers most versatile full range speakers.

Exceptional intelligibility, high output performance and durability make the R2D-III an excellent choice for virtually any indoor or outdoor application.

The R2D-III has been engineered for optimal individual performance or as part of a multiple cabinet system with added flexibility to mount vertically or horizontally.

The cabinet features a custom 12" transducer and one 2" high frequency driver coupled to a 90° H x 40° V (or 60° H x 40° V) rotatable constant directivity horn that delivers naturally smooth uniform coverage in both near-field and medium throw applications.

For a cabinet of its size the R2D-III offers

extremely efficient low-end response to 46Hz.

As with all Clair Brothers products, the R2D-III is constructed of the finest Baltic birch and finished with a rugged polyurea coating to withstand the most demanding conditions.

The speaker grille is constructed of high grade 14 gauge perforated steel with a powder coated finish with shock resistant polyurethane edges.

OPTIONS & ACCESSORIES

R2D-III-WR – Weather Resistant Model

R2D-III-M – Mobile Model

R2D-III-P – Passive Crossover Model

60° H x 40° V Rotatable Horn

R2D-MB-H/V – Mounting Yokes / Brackets:
Vertical or Horizontal Orientation

Custom Colors Available

R2D-III Full Range Loudspeaker

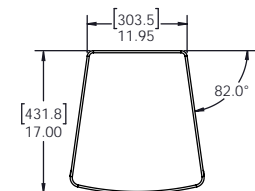
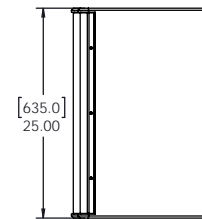
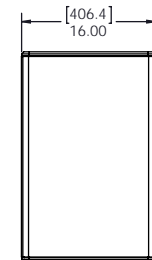
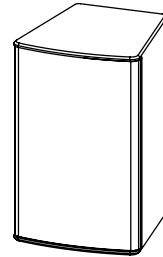


AUDIO SPECIFICATIONS

Loudspeaker Type	Two-Way Active	
Frequency Response (+/- 2dB)	46Hz–18kHz	
Recommended Power Amplifier	1000-1200W @ 8 Ohms	
Sensitivity (1 Watt @ 1 Meter)	LF	101 dB SPL
	HF	106 dB SPL
Maximum Output	Cont.	128 dB SPL
	Peak	131 dB SPL
Drivers	LF	(1) 12 in. (304.8mm)
	HF	(1) 2 in. (50.8mm)
Nominal Impedance	LF	8 Ohms
	HF	16 Ohms
Power Handling	LF	500W Cont.
	HF	150W Cont.
Dispersion	Nominal -6dB	90° H x 40° V (Rotatable)
	Optional	60° H x 40° V (Rotatable)
Input Connections	Standard	(2) EP-4 Connectors (1 Male, 1 Female) & (1) Four-Position Terminal Strip

MECHANICAL SPECIFICATIONS

Enclosure	Shell	18mm, 13-Ply Baltic Birch
	Finish	Durable Polyurea Coating
Grille	Perforated Steel, Foam Backed	
Dimensions	Height	25.00 in. (635.0mm)
	Front Width	16.00 in. (406.4mm)
	Rear Width	11.95 in. (303.5mm)
	Depth	17.00 in. (431.8mm)
Weight	Active	63 lbs. (28.6kg)
	Passive	71 lbs. (32.2kg)
Shipping Weight	Active	72 lbs. (32.7kg)
	Passive	80 lbs. (36.3kg)



Note: All wattage figures are calculated using the rated nominal impedance.
Clair Brothers products are designed to perform optimally by utilizing factory recommended proprietary DSP settings.

R2D-III Active Pin Configuration

EP-4 PIN	USE
1	Low (-)
2	Low (+)
3	High (-)
4	High (+)
Terminal Strip	USE
Black	Low (-)
Red	Low (+)
Black	High (-)
White	High (+)

R2D-III-P Passive Pin Configuration

EP-4 PIN	USE
1 & 3	(-)
2 & 4	(+)
Terminal Strip	USE
Black	Low (-)
Black	High (-)
White	High (+)
Red	Low (+)

ARCHITECT AND ENGINEER SPECIFICATIONS

The loudspeaker shall be a two-way active (or optionally passive) system featuring a total of two drivers. The low frequency section shall contain one 12" driver capable of handling 500 watts of pink noise with a 6 dB crest factor for 8 hours (as per EIA RS-426-A standard). The high frequency section shall contain a single 2" exit compression driver with a 3" diaphragm and shall be attached to a 90° H x 40° V constant-directivity horn. The driver shall be capable of handling 150 watts (1 kHz –10 kHz) of pink noise with a 6 dB crest factor for 2 hours (as per AES-1984 and ANSI S4.26-1984 standards). The enclosure shall be constructed of 18mm, 13-ply Baltic birch and be finished with a durable polyurea coating. Dimensions shall be 25.00" high, 16.00" front width tapering to 11.95" rear width, and 17.00" deep. The active system weight shall be 63 lbs (28.6kg). The loudspeaker shall be the Clair Brothers R2D-III.

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Due to constant research, development and improvements all specifications are subject to change without notice.