



R2D-III-M Mobile Full Range



APPLICATIONS

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

FEATURES

Vertical Pole Mount Package
with CS18-M Subwoofer
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-M is a full range, high output loudspeaker ideal for speech and music reproduction. The R2D-III-M is one of Clair Brothers most versatile full range speakers.

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

The R2D-III-M has been engineered for optimal individual performance or as part of a multiple cabinet system with added flexibility to mount vertically or horizontally, or on pole mount with CS18-M subwoofer base.

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-M offers

extremely efficient low-end response to 46Hz.

As with all Clair Brothers products, the R2D-III-M 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

Traveller / Traveller Plus Pole Mount Packages

R2D-III-P-M – Passive Crossover Model

R2D-III – Installation Model

R2D-III-WR – Weather Resistant Model
60° H x 40° V Rotatable Horn

R2D-MB-H/-V – Mounting Yokes / Brackets:

Vertical or Horizontal Orientation

Road Case for Transport (2x) R2D-III-M

Call or e-mail Clair Brothers for more information on available options.
(717-665-4000) e-mail: sales@clairbrothers.com

R2D-III-M Mobile Full Range



AUDIO SPECIFICATIONS

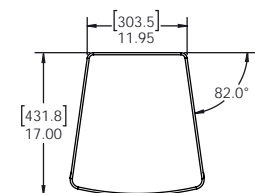
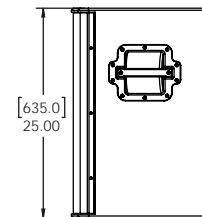
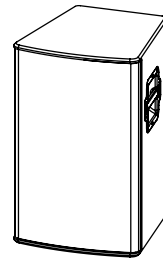
Loudspeaker Type	Mobile	Two-Way Active
Frequency Response (+/- 2dB)		46Hz-18kHz
Recommended Power Amplifier		1000-1200W @ 8 Ohms
Sensitivity (1 Watt @ 1 Meter)	LF HF	101 dB SPL 106 dB SPL
Maximum Output	Cont. Peak	128 dB SPL 131 dB SPL
Drivers	LF HF	(1) 12 in. (304.8mm) (1) 2 in. (50.8mm)
Nominal Impedance	LF HF	8 Ohms 16 Ohms
Power Handling	LF HF	500W Cont. 150W Cont.
Dispersion	Nominal -6dB Optional	90° H x 40° V (Rotatable) 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 Finish	18mm, 13-Ply Baltic Birch Durable Polyurea Coating
Grille		Perforated Steel, Foam Backed
Dimensions	Height Front Width Rear Width Depth	25.00 in. (635.0mm) 16.00 in. (406.4mm) 11.95 in. (303.5mm) 17.00 in. (431.8mm)
Weight	Active Passive	66 lbs. (29.9kg) 73 lbs. (33.1kg)
Shipping Weight	Active Passive	75 lbs. (34.0kg) 82 lbs. (37.2kg)

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-M 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-M 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 shall be finished with a durable polyurea coating. Dimensions shall be 25.00" high, 16.00" front width tapering 8° to 11.95" rear width, and 17.00" deep. The active system weight shall be 66 lbs (29.9kg). The loudspeaker shall be the Clair Brothers R2D-III-M.

CLAIR BROTHERS • ONE CLAIR BOULEVARD • MANHEIM, PA 17545 • 717-665-4000 • WWW.CLAIRBROTHERS.COM

CBAS20140828

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

