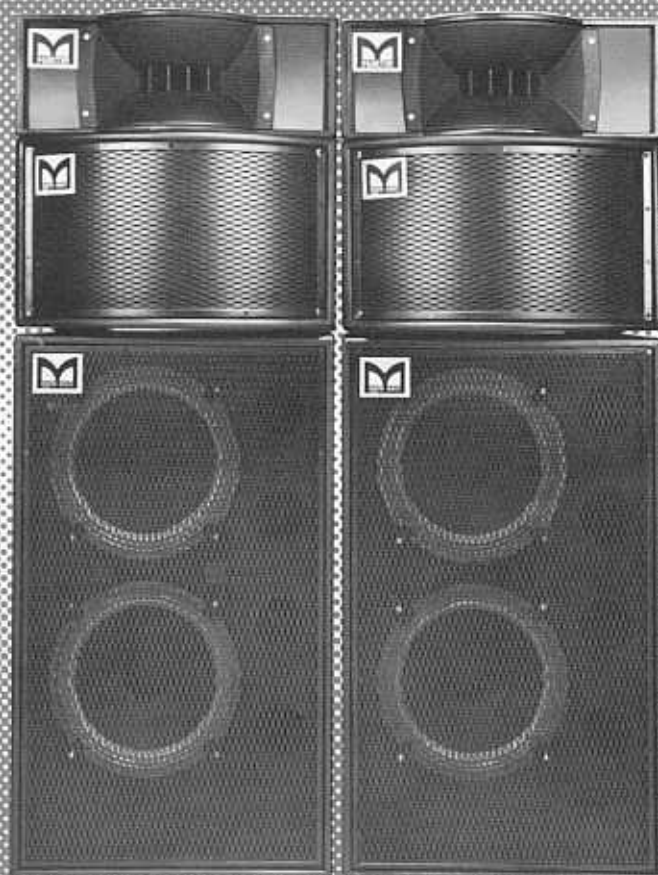


FR3 3 WAY P.A. SYSTEM



FR3 3 WAY P.A. SYSTEM/MONITOR

The FR3 is a high power modular system designed to exacting performance standards. It exhibits a particularly smooth response and considerable flexibility results from modular construction. Used singly as a sidefill monitor it will reproduce with power and attack. Used in multiples, the bass, mid and high frequency sections can be grouped together to create a powerful, acoustically correct P.A. stack.

It has been designed to be used in conjunction with a 2 way electronic crossover, operating at 250Hz. With this crossover frequency, acoustic power output is distributed evenly between bass and mid/treble elements, gaining maximum advantage from the headroom increase obtained when bi-amping. Fully electronic 3 way operation can be specified, but as this reduces the cost effectiveness of a small system, it will normally be used on larger systems using FR3 components.

BR215

The BR215 utilises two front loaded 38cm (15") drivers, using rear radiation via reflex porting to enhance the low frequency output and decrease cone excursion. The BR215 will substantially outperform bass horns of similar size, which are compromised by inadequate horn length and/or mouth area.

The enclosure is internally braced to reduce panel vibration at high output levels and is fitted with four bar handles and a steel mesh grille. Heavy duty castors are optional. A large reversible electrolytic capacitor ensures no driver damage due to the presence of a D.C. voltage at the amplifier output terminals

MH112

The MH112 contains a 30cm (12") high efficiency drive unit which is compression loaded by a fibreglass horn of original design. It exhibits very low colouration and projects the mid frequencies over a nominal 90° horizontal, 40° vertical dispersion area. As the horn geometry is similar to the MH212, it may be used in conjunction with it, providing it is set back as it has a shorter horn length. It is fitted with a steel grille backed with Declon foam for protection, and has two bar handles.

HF2R

Identical in appearance to the HF2M horn, this contains a Renkus-Heinz compression driver, coupled to the HF2 horn via a 25mm—50mm (1"—2") throat adapter. A 12dB/octave network incorporating impedance and response correction circuitry rolls off the response below 1.5KHz, while the acoustic output of the HF2R is matched to the MH112 using an auto transformer. Very smooth, accurate high end is projected with an upper limit of 16KHz.

For electronic crossover applications, the high pass filter frequency can be internally adjusted to operate at 1KHz.

SPECIFICATION

BR215

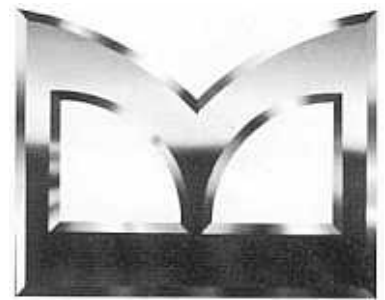
Type: Tuned Port Bass Reflex
Frequency Range: 30—2500 Hz
Highest Recommended Crossover Frequency: 5KHz
Crossover Frequency in FR3 System: 250Hz
Power Handling: Nominal 400 watts
May be driven with amplifiers having up to 500 watts continuous average sinewave output at clipping point
Drivers: 2 x Martin B38
Nominal Impedance: 4 ohms
Input: XLR female
Dimensions (W x H x D): 64 x 105 x 54cm (25" x 41½" x 21¼")
Weight: 75Kg (165lb)

MH112

Frequency Range: 200Hz - 2Khz
Recommended Crossover Points: 250Hz low (1.5Khz high in fully active configuration)
Nominal Dispersion: 90° horizontal 40° vertical
Power Handling: 125 watts—Will handle mid content of 180 watt music signal above 250Hz
Nominal Impedance: 12 ohms (adjustable 8, 12, 16 ohms for correct amplifier matching in fully active configuration)
D.C. Protection: Crowbar Choke
Dimensions (W x H x D): 64 x 37 x 63cm (25¼" x 14⅝" x 24¾")
Weight: 35Kg (77lb)

HF2R

Frequency Range: 1.5KHz—16KHz
Nominal Dispersion Pattern: 90° horizontal, 40° vertical
Driver: Renkus-Heinz SSD 1800
High Pass Filter: 1.5KHz, 12dB/octave (internally adjustable to 1KHz for electronic crossover applications)
Recommended Electronic Crossover Frequency: 1.5KHz
Power Handling: 30 watts—will handle high frequency content of 180 watt music signal above 250Hz
Connectors: XLR female input, XLR male output to MH112
Dimensions (W x H x D): 64 x 23 x 60cm (25" x 9" x 24")
Weight: 18Kg (40lb)



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