

# Appendix C: Technical Information

## MRmk3 Specifications

### Acoustic Performance

Frequency Response (-3 dB):	57 Hz – 20 kHz [MR5mk3] 46 Hz – 20 kHz [MR6mk3] 38 Hz – 20 kHz [MR8mk3]
Frequency Response (-10 dB):	45 Hz – 20 kHz [MR5mk3] 38 Hz – 20 kHz [MR6mk3] 35 Hz – 20 kHz [MR8mk3]
Sound Pressure Level @ 1 meter, +4 dBu into Balanced Input:	102 dB SPL @ 1m [MR5mk3] 105 dB SPL @ 1m [MR6mk3] 107 dB SPL @ 1m [MR8mk3]
Maximum SPL Per Pair:	108 dB SPL @ 1m [MR5mk3] 111 dB SPL @ 1m [MR6mk3] 113 dB SPL @ 1m [MR8mk3]

### Transducers

Low Frequency:	5.25 in / 133 mm hyperbolic curved cone woofer [MR5mk3] 6.5 in / 165 mm hyperbolic curved cone woofer [MR6mk3] 8.0 in / 203 mm hyperbolic curved cone woofer [MR8mk3]
High Frequency:	Neodymium magnet driven 1 in / 25 mm silk dome tweeter

### Amplifiers

Low Frequency Power:	30 watts, 4 $\Omega$ load, 60 watts peak [MR5mk3]  40 watts, 4 $\Omega$ load, 80 watts peak [MR6mk3]  55 watts, 4 $\Omega$ load, 110 watts peak [MR8mk3]
High Frequency Power:	20 watts, 8 $\Omega$ load, 40 watts peak [MR5mk3]  25 watts, 8 $\Omega$ load, 50 watts peak [MR6mk3]  30 watts, 8 $\Omega$ load, 60 watts peak [MR8mk3]
Type:	Monolithic IC, Class AB with DMOS power stage

### Electronic Crossover

Crossover Type:	24 dB/octave
Crossover Frequency:	3 kHz [MR5mk3] 3.25 kHz [MR6mk3] 3 kHz [MR8mk3]
Sensitivity:	+4 dBu at 300 Hz for full output
Input Impedance:	20 k $\Omega$ , balanced bridging; 10 k $\Omega$ unbalanced

### Equalization

Low Frequency EQ:	+2 dB/+4 dB @ 100 Hz, shelving
High Frequency EQ:	$\pm 2$ dB @ 3 kHz, shelving [MR5mk3] $\pm 2$ dB @ 3.25 kHz, shelving [MR6mk3] $\pm 2$ dB @ 3 kHz, shelving [MR8mk3]

### AC Power Requirements

US:	120 VAC, 60 Hz
Europe:	240 VAC, 50 Hz
Korea:	220 VAC, 60 Hz
Japan:	100 VAC, 50/60 Hz

**Note:** MRmk3 monitors do not support multiple voltage configurations. Make sure the voltage rating for your particular model (as indicated on the rear panel near the IEC socket) corresponds with your local AC mains voltage.

AC Connector:	3-pin IEC 250 VAC, 16 A male
Fuse:	115 VAC: T 1 AL / 250 V 230 VAC: T 500 mA / 250 V [MR5mk3]  115 VAC: T 1.25 AL / 250 V 230 VAC: T 625 mA / 250 V [MR6mk3]  115 VAC: T 2 AL / 250 V 230 VAC: T 1 AL / 250 V [MR8mk3]

Power Consumption:	90 watts with music, loud mix 7 watts quiescent (idle) [MR5mk3]  120 watts with music, loud mix 7 watts quiescent (idle) [MR6mk3]  150 watts with music, loud mix 10 watts quiescent (idle) [MR8mk3]
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### Physical Dimensions and Weight

#### MR5mk3:

Enclosure:	0.47 in / 12 mm thick MDF with 0.98 in / 25 mm MDF front panel
Dimensions:	
Height:	11.3 in / 286 mm
Width:	7.8 in / 197 mm
Depth:	10.9 in / 276 mm
Weight:	12.1 lb / 5.5 kg

#### MR6mk3:

Enclosure:	0.47 in / 12 mm thick MDF with 0.98 in / 25 mm MDF front panel
Dimensions:	
Height:	12.7 in / 323 mm
Width:	8.7 in / 222 mm
Depth:	12 in / 305 mm
Weight:	15.9 lb / 7.2 kg

#### MR8mk3:

Enclosure:	0.59 in / 15 mm thick MDF with 0.98 in / 25 mm MDF front panel
Dimensions:	
Height:	15.8 in / 400 mm
Width:	10.9 in / 277 mm
Depth:	13.2 in / 336 mm
Weight:	23.8 lb / 10.8 kg

Damping:	Adiabatic batting [MR5/6/8mk3]
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### Disclaimer

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