

AEA R84 SERIES

SPECIFICATIONS



CLASSIC RIBBON MIC INSPIRED BY THE R44

SPECIFICATIONS

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| Operating Principle: | Pressure gradient transducer |
| Directional Pattern: | Bidirectional |
| Frequency Range: | <20 Hz to >20 kHz |
| Polarity: | Pin 2 high for positive pressure on front of microphone |
| Polar Response: | Native bidirectional, figure-of-8 pattern |
| Horizontal: | Up to 90 dB rejection at right angles to the front/back axis. |
| Vertical: | Level changes with angle of incidence, but frequency response is consistent. |
| Transducer Element Material: | Pure aluminum corrugated ribbon |
| Thickness: | 1.8 μ m |
| Width: | 0.185 in (4.7 mm) |
| Length: | 2.35 in (59.7 mm) |
| Microphone Dimensions: | |
| Height: | 11.6 in (29.5 cm) |
| Width: | 3.9 in (9.9 cm) |
| Depth: | 2.5 in (6.4 cm) |
| Weight with cable: | 3 lb (1.36 kg) |
| Shipping Weight: | 4 lb (1.8 kg) |
| Connector: | XLR-3M |

R84 Passive Microphone

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| Maximum SPL: | 165 + dB SPL (1% third harmonic > 1 kHz) |
| Sensitivity: | 2.5 mV/Pa (-52 dBV/Pa) into unloaded circuit |
| Output Impedance: | 270 Ω nominal |
| Recommended Load Impedance: | 1.2K Ω or greater |
| Phantom Power: | Not required or recommended |

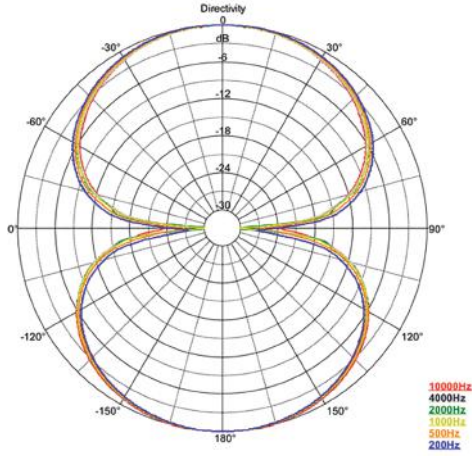
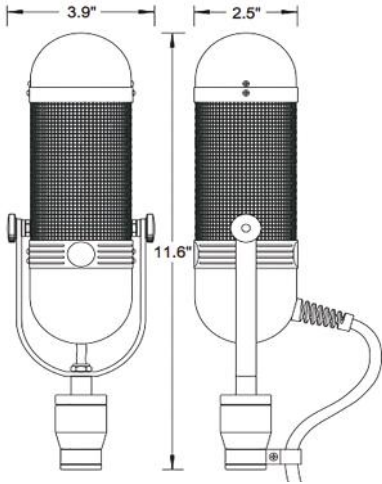
R84A Phantom-Powered Microphone

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| Maximum SPL: | 141 + dB SPL (1% third harmonic > 1 kHz) |
| Sensitivity: | 6.3 mV/Pa (-44 dBV/Pa) into unloaded circuit |
| Output Impedance: | 92 Ω broadband |
| Recommended Load Impedance: | 1.0K Ω or greater |
| Phantom Power: | P48 phantom power, 7 mA |

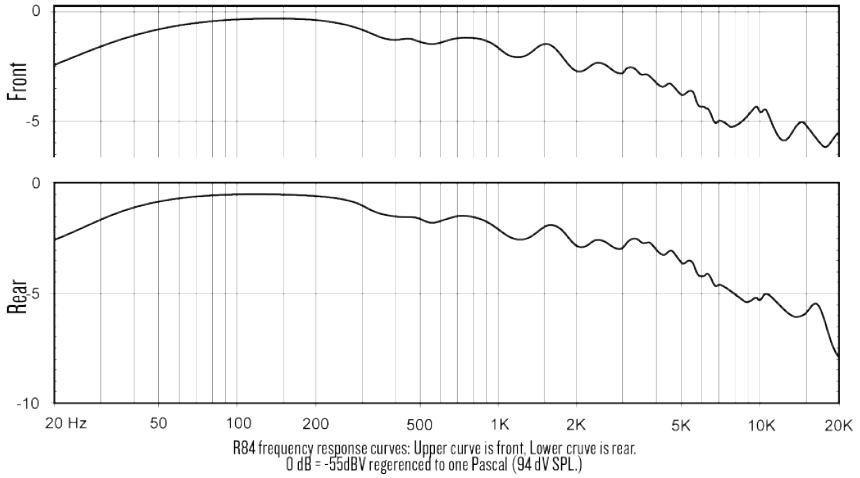
Accessories Included

Softcase, user manual, captive 10" (3 meter) output cable with XLR-3M connector.

Note: The phantom-powered R84A was previously known as the A840.



FREQUENCY RESPONSE





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