



H A Harman International Company

C 3000 B

Condenser Microphone

Description

Despite its physical resemblance to its predecessor Model C 3000, the C 3000 B is an entirely new microphone. It has a 1" (25mm) large capsule, with an active gold-sputtered mylar foil diaphragm. This size helps shape response with the warmth and transparency that are typical of other high-quality AKG models. Its design provides a very low self noise floor of 14-dB-A, along with a maximum level capability of 140 dB, producing an overall operating range in the studio of 126 dB. Through the 10-dB pre-attenuation switch the operating range of the microphone may be shifted up to 150 dB for close-in pickup of very loud sound sources. A bass cut switch provides a gentle 6-dB per octave roll-off below 500 Hz, compensating for proximity effect in vocal recording. The capsule assembly is internally shock mounted for low handling noise, and an internal foam sheath minimizes breath noises and pops with minimal attenuation of high frequencies.

Tailored for the modern studio, the C 3000 B has the typical AKG large diaphragm "signature contour," a slight dip at 2.5 kHz followed by a rise at 5 - 6 kHz and 9 - 11 kHz. Its cardioid pickup pattern is extremely well controlled, providing excellent off-axis rejection across the entire frequency band.

The H 100 elastic suspension mounting is an included accessory with the C 3000 B. Optional accessories include the B 18 battery power supply, and the W 414 wind screen. The microphone is transformerless and accepts phantom powering over the range from 9 volts to 52 volts dc. The C 3000 B is equally at home on-stage as it is in the studio.

Specifications

Transducer type:	1 in. (25 mm) large diaphragm pressure gradient
Diaphragm material:	Gold-sputtered mylar foil
Frequency response	20 Hz to 20 kHz, (see frequency response curve)
Sensitivity at 1 kHz:	25 mV/Pa (-32 dBV)
Polar pattern:	Cardioid
Pre-attenuation:	10 dB
Impedance:	200 ohms
Recommended loading:	>1000 ohms
Equivalent noise level (A-weighted):	14 dB
Sound pressure level for 0.5% THD:	140 dB (150 dB with 10 dB pre-attenuation)
Dynamic range:	140 dB
S/N ratio (A-weighted):	80 dB-A
Power requirement:	Phantom powering, 9 to 52 Vdc
Environmental:	Temperature: 14° F to 140° F (-10° C to 60° C)
Output connector:	3-pin XLR-M
Size:	2.217 in. diameter (57 mm); 6.29 in. length (160 mm)
Net/shipping weight:	11.3 oz. (320 g)
Included accessories:	H 100 elastic mounting suspension
Optional accessories:	B 18 battery power supply W 414 wind screen



Features

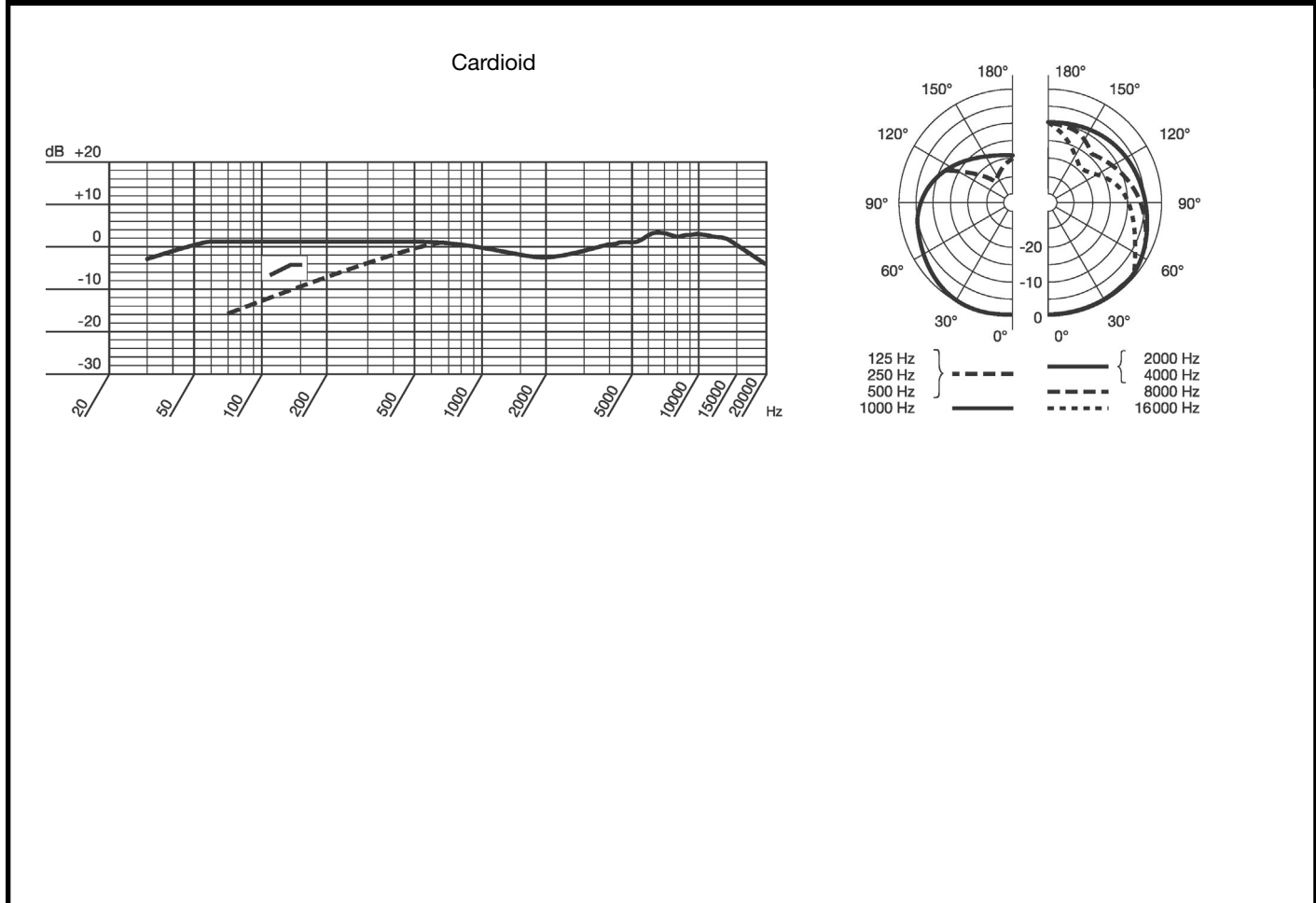
- Large diaphragm format optimized for studio applications
- Extremely wide dynamic range of 140 dB
- Transformerless output for ultra low LF distortion
- Response shaped for studio applications
- Pre-attenuation (-10 dB) and LF roll-off switching provided

Architects and Engineers Specifications

The microphone shall be a 1-inch diameter condenser model with a single dedicated cardioid pickup pattern. The microphone's sensitivity shall be no less than 25 mV/Pa. The microphone's equivalent noise level shall be no greater than 14-dB-A, and at an operating level of 140 dB the microphone's total harmonic distortion shall be no greater than 0.5%. The microphone shall include a pre-attenuation switch of 10-dB and a bass roll-off switch

of 6 dB per octave commencing at 500 Hz. The microphone shall operate with phantom power over the range from 9 Vdc to 52 Vdc. The microphone shall have a diameter no greater than 2.24 inches and a length no greater than 6.299 inches. A spider suspension isolation shock mount (H100) shall be included as a standard accessory. The microphone shall be the AKG Acoustics Model C 3000 B.

Graphical Data



AKG is constantly improving and modifying its products, therefore, specifications are subject to change without notice.

Limited Warranty

Valid only in the United States. AKG Acoustics warrants AKG products against defects in material or workmanship for a period of three years from the date of original purchase for use, and agrees to repair or, at our option, replace any defective unit without charge for either parts or labor. Important: This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product, loss of parts or connecting the product to any but the specified receptacles. This warranty is void unless service or repairs are performed by an authorized service center. No responsibility is assumed for any

special, incidental or consequential damages. However, the limitation of any right or remedy shall not be effective where such is prohibited or restricted by law. Simply take or ship your AKG product prepaid to our service department. Be sure to include your sales slip as proof of purchase date. (We will not repair transit damage under the no-charge terms of this warranty.) Note: No other warranty, written or oral is authorized by AKG Acoustics, Inc. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above exclusions and limitation may not apply to you.

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DS-C 3000 B

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