



H A Harman International Company

C12VR

Tube Condenser Microphone

Description

During the U.S. introduction of the Long Playing record in the late forties, a handful of European 1-inch (25 mm) diameter condenser microphone models actually defined the way sound in the studio was captured for the new recording medium of tape. One of these was AKG's C12, originally imported under the Telefunken brand as the ELAM 250. In due course, AKG imported the microphone into the US as the C12.

The current model C12VR (vintage restoration) is considered a pop/rock studio icon and is found wherever recording engineers cater to the needs of the finest and highest profile pop vocalists. In addition to its famed vocal warmth and presence, which are a direct result of its unique tube (6072), diaphragm and transformer design, the C12VR's 9 remotely switchable pickup patterns make it a studio workhorse for instrumental solo pickup as well. The available pickup patterns include omnidirectional, cardioid, and figure-eight, with 6 intermediate patterns. Internal microphone switching for pre-attenuation of -10dB, -20 dB, and boost of +10 dB are available.

The C12VR comes with its own professional flight case, power supply (N12VR), elastic suspension (H15/T), 30 ft multi-conductor connecting cable MK12VR), and foam windscreens (W42).

Specifications

Transducer type:	Dual diaphragm, 1 in (25 mm) diameter
Diaphragm material:	Gold sputtered mylar foil.
Frequency response:	30 Hz - 20 kHz (± 2.5 dB from published curves)
Polar patterns:	Omnidirectional, cardioid, and figure-8, with 6 intermediate patterns (silent switching)
Impedance:	200 ohms ($\pm 25\%$)
Recommended load impedance:	1000 ohms or greater
Output connector (from control unit):	XLR (pin 2 positive)
Output connector (from microphone):	Tuchel 12-pin
Sensitivity at 1 kHz:	10 mV/Pa for all patterns; -40 dB (dB re 1 V/Pa)
Equivalent noise level (A-weighted):	22 dB (DIN 45412)
Sound pressure level for 3% THD:	128 dB (equivalent to 50 Pa)
Pre-attenuation:	-10 and -20 dB (at microphone)
Sensitivity increase:	10 dB (at microphone)
Low frequency rolloff/bass cut:	two-position (at control unit)
Power requirement:	115/230 Vac
Microphone size:	1.65 in dia (42 mm) 8.9 in long (225 mm)
Microphone net weight:	24 oz (0.68 kg)
Shipping weight:	10 lb (4.5 kg)
Accessories included:	Aluminum flight case N12VR remote power supply H15/T elastic suspension MK12VR 30 ft (10 m) connecting cable W42 Foam windscreens
Optional Accessory:	PF100 pop filter with integrated gooseneck

Features

- **Classic 25 mm (1-inch) condenser tube performance of the original AKG C12**
- **Multiple patterns (nine total) remotely controlled with silent switching**
- **Uses the original 6072 vacuum tube**
- **Uses the original 1950's dual diaphragm design for sound that has the same warmth, clarity and presence of the original**
- **Internal microphone switching for pre-attenuation of -10, -20 dB and boost of +10 dB to accommodate all studio requirements.**
- **External (in control unit) two-position bass cut/rolloff**

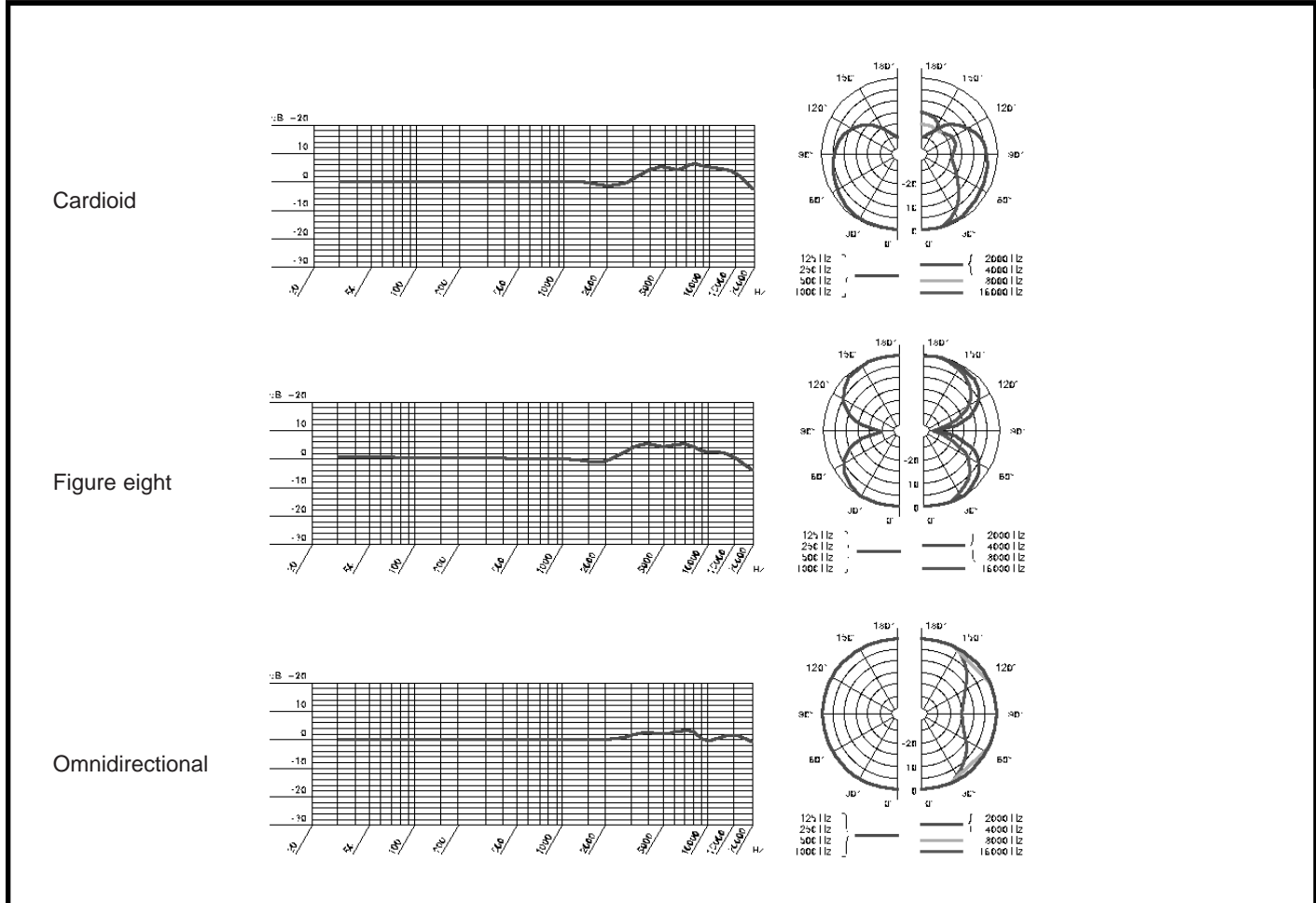


Architects and Engineers Specifications

The microphone shall be a condenser tube type with dual diaphragm construction and with no less than 9 switchable patterns over the range from omnidirectional to figure-8. Pattern switching shall be inaudible as such. Internal switching for pre-attenuation of -10dB, -20 dB, and boost of +10 dB shall be available as an option inside the microphone. The diaphragm material shall be gold-sputtered mylar foil, and the on-axis sensitivity shall be uniform for all patterns, and no less than

10 mV/Pa. The inherent noise floor of the microphone shall be no greater than 22 dB (A-weighted), and the operating sound field for 3% THD shall be no less than 128 dB. The microphone size shall be no greater than 1.65 inches in diameter and 8.85 inches in length, and the microphone weight shall be no greater than 1.499 pounds. The microphone shall be the AKG Acoustics Model C12VR.

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 one year 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..

Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components

 AKG <small>H A Harman International Company</small>	AKG Acoustics GmbH Lemböckgasse 21-25, P.O.B. 158, A-1230 Vienna/AUSTRIA Tel: (43 1) 86 654-0*, Fax: (43 1) 86 654-516 Internet: http://www.akg-acoustics.com	AKG ACOUSTICS, U.S. 1449 Donelson Pike Nashville, TN 37217, U.S.A. Tel: (615) 360-0499, Fax: (615) 360-0275
	AKG Acoustics; A Division of Harman Pro Germany Bodenseestraße 228, D-81243 München/GERMANY Tel: (089) 87 16-0, Fax: (089) 87 16-200	Studer Japan Ltd. 2-43-7, Uehara, Shibuya-ku, Tokyo 151-0064/JAPAN Tel: (813) 3465-2211, Fax: (813) 3465-2214
	Arbiter Pro Audio Wilberforce Road, London NW9 6AX/ENGLAND Tel: (0181) 202 1199, Fax: (0181) 202 7076	Erikson Pro Audio 620 McCaffrey, St-Laurent, Quebec, H4T 1N1, CANADA Tel: (514) 738-3000, Fax: (514) 737-5069 Internet: www.jam-ind.com/eriksonpro

Specifications subject to change without notice.