

Compact Hypercardioid Moving Coil Microphone

FEATURES

- Rear cancelling hypercardioid polar pattern
- Compact design
- Precisely tailored frequency response
- Extremely rugged construction

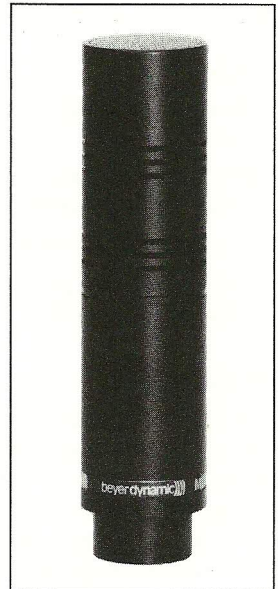
DESCRIPTION

The M 420 is a dynamic moving coil microphone specially designed to reproduce the frequencies produced by rack toms and deep-shelled snare drums. Its small diaphragm exhibits extremely fast transient response, capturing the initial attack of the drum. Its compact size affords a wide range of posi-

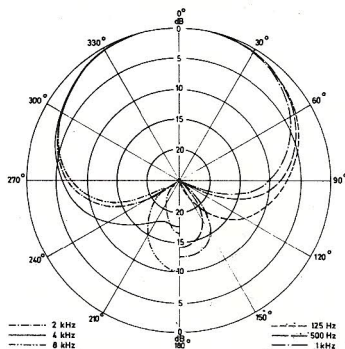
tioning options. The rear-cancelling hypercardioid polar pattern enhances isolation of individual drums, and the precisely tailored low frequency attenuation rejects interference from bass drums and floor toms. The solid brass casing is constructed to withstand the physical abuse a drum set endures.

APPLICATIONS

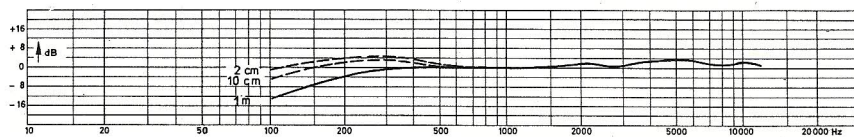
The frequency response, polar pattern and transient response of the M 420 enable it to reproduce rack mounted toms with unparalleled accuracy. It is also highly effective with deep-shelled snares, hi hats and cymbals. The sonic accuracy of the M 420 makes it an excellent choice for drum sampling.



POLAR PATTERN



Frequency response curve (± 3 dB)



This polar pattern and frequency response correspond to typical machine run specifications from a standard M 420.

SPECIFICATIONS

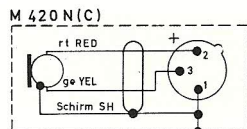
Transducer type: Small diaphragm moving coil
 Operating principle: Pressure gradient
 Frequency response: 100 – 12,000 Hz
 Polar pattern: Hypercardioid
 Side attenuation at 135°: > 20 dB
 Open circuit voltage at 1 kHz: 1.2 mV/Pa
 Output level: -57 dBm (0 dBm \triangleq 1 mW/Pa)

EIA sensitivity rating: -150 dBm (0 dBm \triangleq 1 mW/2·10⁻⁵ Pa)
 Nominal output impedance: 200 ohms
 Load impedance: \geq 500 ohms
 Diaphragm: Makrofol™
 Case: Brass
 Case finish: Matte black
 Male connector: Neutrik 3 pin
 Net weight: 148 grams (5.2 oz.)

FURNISHED ACCESSORIES

Mic clip, gig bag.

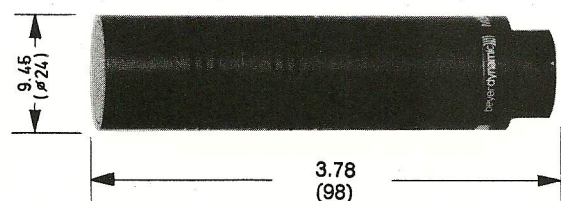
WIRING DIAGRAM M 420



Positive pressure produces positive voltage on red cable lead (+)

DIMENSIONS

In inches (millimeters in brackets)



Subject to change without notice

