



Common Name

Range Switchable Large Diaphragm Microphones

Retail Price Band Over \$1000

Requires

Electrical Characteristics

Frequency Response 20Hz - 20kHz

Output Sensitivity 28mV/Pa

Max SPL 117dB for 0.5%THD

Self Noise (CCIR) 23dB

Self Noise (DIN/IEC) 12dB-A

Output Impedance 200Ω

Recommended Load 1kΩ

Powering Phantom 48 only

Supply Current 0.8mA

Alternative Powering

Switchable Options

Pad 10dB

Filter/EQ 200Hz

Physical Characteristics

Connector XLR-3M

Connector Notes

Available Colours Nickel, black

Weight 500g (17.60oz)

Length 200mm (7.87")

Min Diameter/Width

Max Diameter/Width 56mm (2.20")

Depth

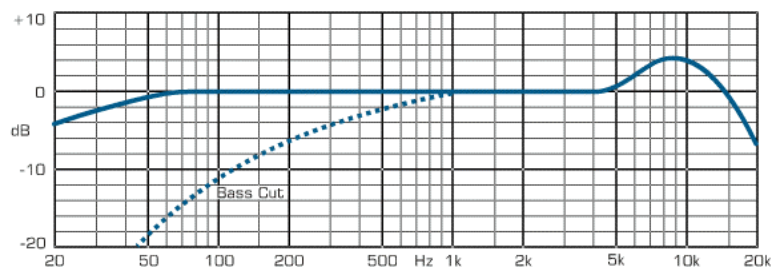
The U 87 is probably the best known and most widely used Neumann studio microphone. It is equipped with a large dual diaphragm capsule offering three directional patterns: omnidirectional, cardioid and figure-of-8. These are selectable with a switch below the head-grille. A 10dB attenuation switch is located on the rear. This enables the microphone to handle sound pressure levels up to 127dB without distortion. In addition, the low-frequency response can be reduced to compensate for the proximity effect.

Accessories

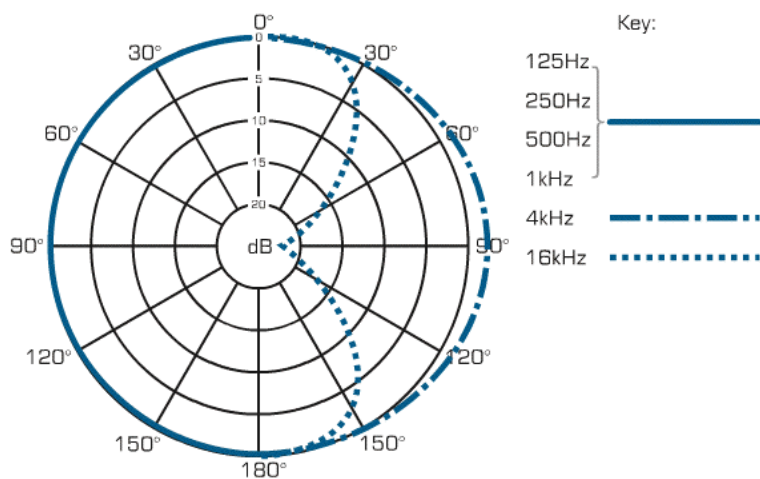
Included Wooden box

Optional EA87 suspension, WS87 windscreen, SG367 swivel mount

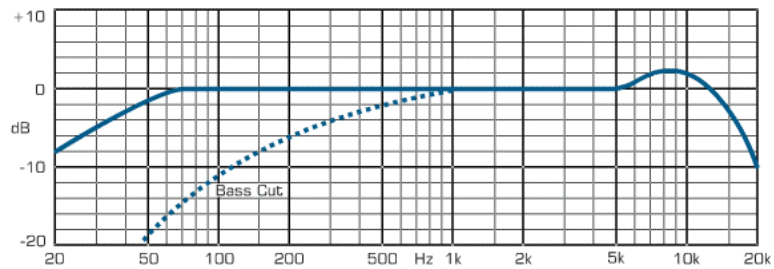
Frequency curve: Omni



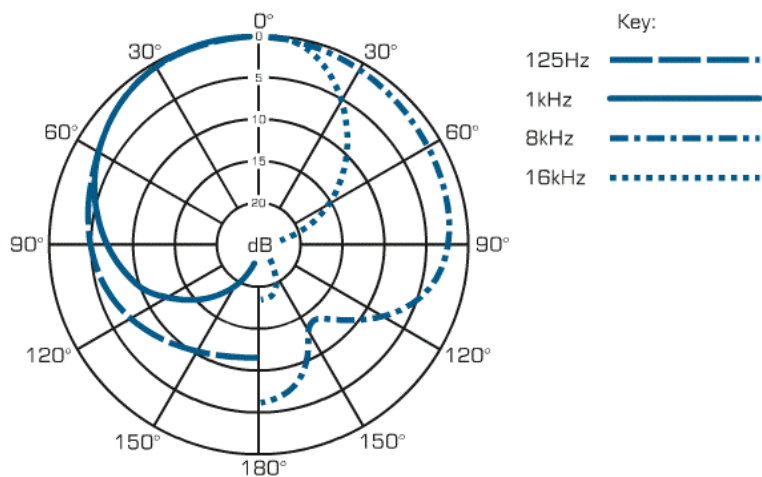
Polar curve: Omni



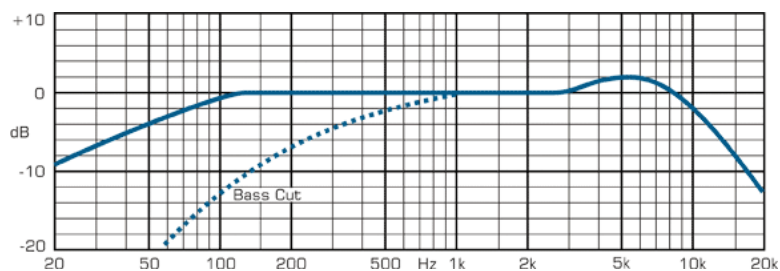
Frequency curve: Cardioid



Polar curve: Cardioid



Frequency curve: Figure of 8



Polar curve: Figure of 8

