

Classis BM 32 / 33 / 34

Boundary Microphones



Classis BM 32 B



Classis BM 33 B



Classis BM 34 SE

FEATURES

- Classis BM 32/34 with half-cardioid polar pattern
- Classis BM 33 with half-spherical polar pattern
- Flat, wide range frequency response
- High-quality reproduction of speech
- Unobtrusive design
- Ceiling or tabletop mounting
- Fast and easy installation

APPLICATIONS

The Classis BM 32 / 33 / 34 condenser boundary microphones have been designed for flush mounting into tabletops or ceilings. The microphones have been designed for applications such as tele/video conferencing, recording or amplification of round table discussions and wherever the microphone needs to be as unobtrusive as possible.

The Classis BM 32 has a half-cardioid polar pattern, which increases the gain-before-feedback and decreases the amount of diffuse ambience. The Classis BM 34 corresponds to the Classis BM 32, but is provided with a bass roll-off filter. The Classis BM 33 has a half-spherical polar pattern making it ideal for large rooms.

The high sensitivity guarantees a constant output level even from long distance sources.

Elastic bearing rings achieve mechanical isolation from the mounting surface and therefore offer effective sound isolation of the microphone.

SUPPLIED ACCESSORY

- Elastic bearing rings

VERSIONS

Classis BM 32 B	Half-cardioid, black	Order # 489.395
Classis BM 32 W	white	Order # 489.409
Classis BM 32 SE	silver metallic effect, microphone basket made of acuraLine® Topmesh double-layer fine-meshed wire weave.	Order # 489.387
Classis BM 32 E	Half-cardioid, black, without pre-amp, in conjunction with MCS 563 L.	Order # 721.913
Classis BM 33 B	Half-spherical, black	Order # 489.425
Classis BM 33 W	white	Order # 489.433
Classis BM 33 SE	silver metallic effect, microphone basket made of acuraLine® Topmesh double-layer fine-meshed wire weave.	Order # 489.417
Classis BM 34 B	Half-cardioid, black, bass roll-off filter	Order # 489.360
Classis BM 34 W	white	Order # 489.379
Classis BM 34 SE	silver metallic effect, microphone basket made of acuraLine® Topmesh double-layer fine-meshed wire weave.	Order # 489.352

INSTALLATION

- Mounting hole with elastic bearing rings: Ø 24 mm (15/16")
- Mounting hole without elastic bearing rings: Ø 20 mm (13/16")
- Max. table /ceiling thickness: 57 mm (2.25")

Classis BM 32 / 33 / 34

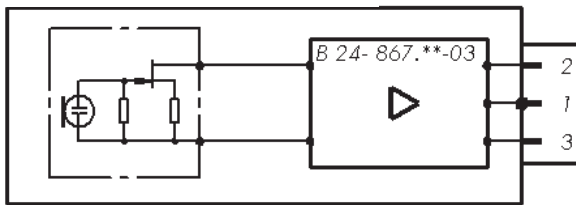
TECHNICAL SPECIFICATIONS

	Classis BM 32	Classis BM 33	Classis BM 34
Transducer type	Condenser	Condenser	Condenser
Frequency response	50 - 18,000 Hz	50 - 20,000 Hz	150 - 18,000 Hz
Polar pattern	Half-cardioid	Half-spherical	Half-cardioid
Open circuit voltage at 1 kHz (0 dB = 1 V/Pa)	19 mV/Pa = -34.4 dBV	15 mV/Pa = -36.5 dBV	19 mV/Pa = -35 dBV
Nominal impedance	< 200 Ω	< 200 Ω	200 Ω
Load impedance	≥ 1 kΩ	≥ 1 kΩ	≥ 1 kΩ
S/N ratio rel. to 1 Pa	69 dB [A]	68 dB [A]	60 dB
Noise voltage	6.0 μV [A]	6.0 μV [A]	
Max. sound pressure level	107 dB [SPL @ 1% THD]	107 dB [SPL @ 1% THD]	
Equivalent SPL	25 dB [A]	26 dB [A]	26 dB
Phantom supply	8 - 52 V	8 - 52 V	8 - 52 V
Current consumption	2.0 mA	2.0 mA	3.4 mA
Connection	3-pin XLR	3-pin XLR	3-pin XLR
Weight (with nut and bearing rings)	approx. 85 g [0.19 lbs]	approx. 85 g [0.19 lbs]	approx. 85 g [0.19 lbs]

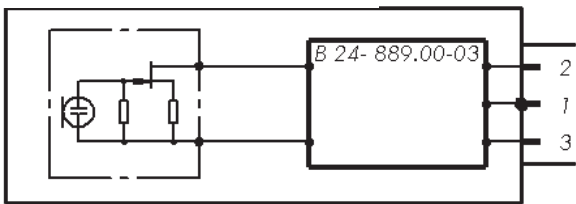
WIRING DIAGRAMS

Positive pressure produces positive voltage on pin 2.

Classis BM 32/33/34



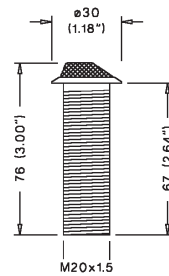
Classis BM 32 E



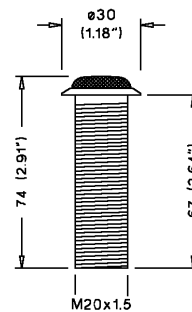
DIMENSIONS

In millimetres (inches in brackets)

Classis BM 32



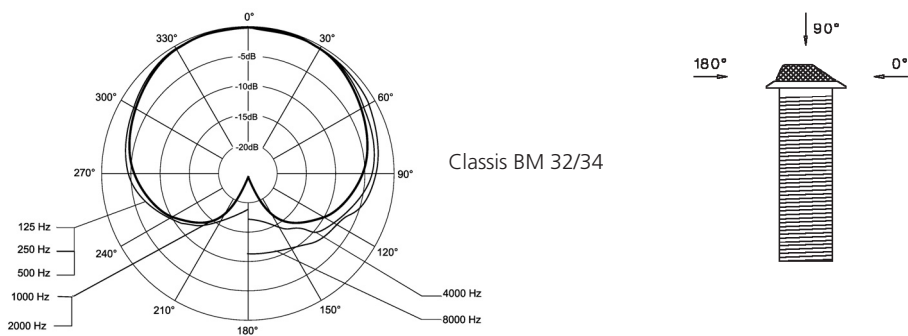
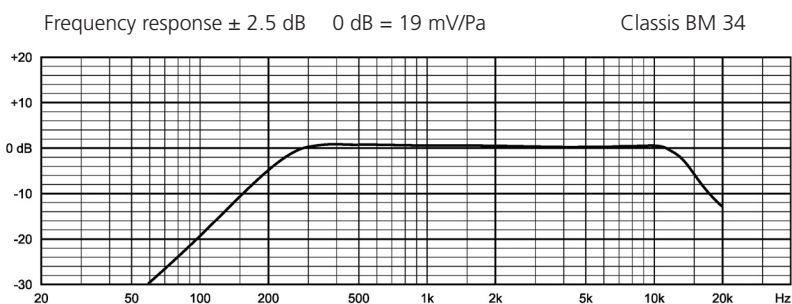
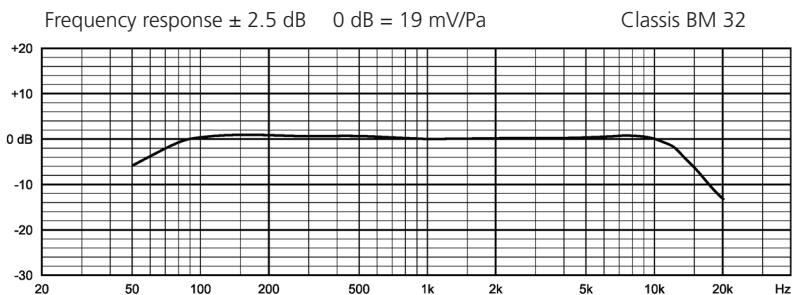
Classis BM 33



Classis BM 32 / 33 / 34

FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.



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