

Marquis Bar Series

Key Features:

- ▶ 12" high efficiency woofer design
- ▶ 3" annular titanium foil diaphragm compression driver
- ▶ Enclosure constructed of 15 mm Finnish birch plywood with black Duraflex™ finish
- ▶ 80° x 80° coverage pattern for even and smooth response on and off axis
- ▶ Rotatable JBL ENTERTAINMENT logo for both horizontal and vertical applications
- ▶ Selectable near/long throw mode for high-frequency
- ▶ Heavy duty 1.6 mm protective screen backed steel grille with an attractive symbol "8", which stands for energy and passion
- ▶ 3 MQ82 speakers can be combined as a line array to provide wider coverage

Applications:

- ▶ Bar and Disco sound reinforcement
- ▶ Club sound reinforcement

MQ82 is a 12" high-power full-range passive speaker. It is specifically tuned to meet the needs of today's dance music. It utilizes a 12" low distortion and low power compression woofer with two optimal demodulating/cooling aluminium rings inside, and a 2432H compression driver with a 3" diaphragm for smooth, low distortion high-frequency response. 80° x 80° coverage pattern provides smooth, even coverage whether used in the vertical or horizontal orientation. The precision engineered second order passive network minimizes band overlap.

The loudspeaker enclosure is constructed with 15mm high quality Finnish birch plywood with high-quality black Duraflex™ finish. Its unique internal bracing design helps eliminating cabinet resonance at extreme sound pressure levels.



Specifications:

System:

Frequency Range (-10 dB):	50 Hz – 20kHz
Frequency Response (±3 dB):	60 Hz – 19 kHz
Coverage:	80° x 80°
Directivity Factor (Q):	8.3
Directivity Index (DI):	9.1 dB
Crossover Frequency:	1.5 kHz
System Sensitivity:	98 dB
Nominal Impedance:	8 ohms
Maximum SPL (1 m) ¹ :	125 dB continuous average (131 dB peak)
Power Rating ² (Continuous/Program/Peak):	500W/1000W/2000W

Transducers:

Low Frequency Driver:	1 x 12" woofer, 3" voice coil
High Frequency Driver:	1 x 2432H, 38 mm (1.5 in) exit compression driver, 75 mm (3 in) voice coil

Physical:

Enclosure:	Trapezoidal with 20 degree side angles, 15 mm Finnish birch plywood
Suspension Attachment:	19 points (5 top, 4 bottom, 4 each side, 2 rear), M10 threaded hardware; 35mm OmniMount pole mount socket
Finish:	Black DuraFlex™ finish.
Grille:	Powder coated, 1.6mm perforated steel, with acoustically transparent black fibre cloth backing.
Input Connector:	NL4 Neutrik Speakon® in parallel for loop-through.
Switch:	Selectable near/long throw mode for HF
Dimensions (H x W x D):	600 x 394.4 x 459 mm (23.6 x 15.5 x 18 in)
Net weight:	27 kg (59.5 lbs)

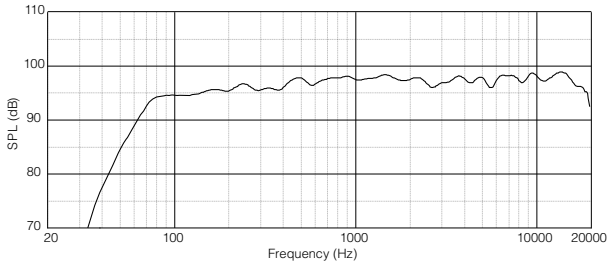
¹ Calculated based on system sensitivity and 2-hour power rating, exclusive of power compression.

² IEC shaped pink noise, 2-hour duration.

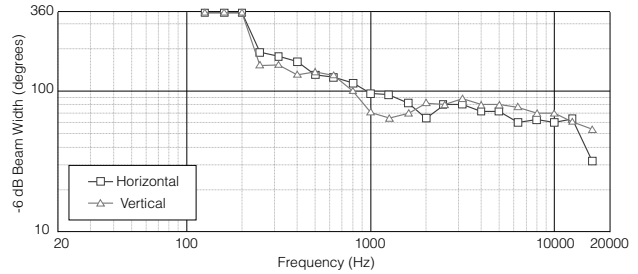
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► MQ82 12 Inch Full-Range Passive Speaker

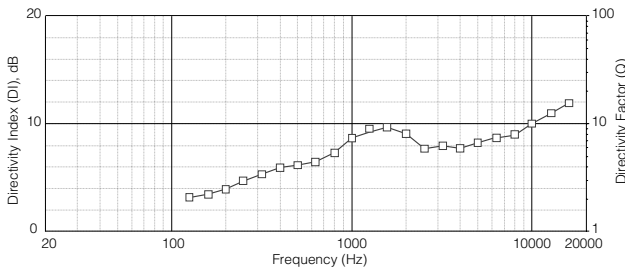
Frequency Response:



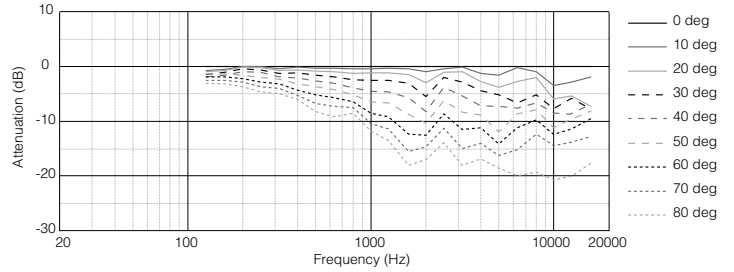
Beamwidth:



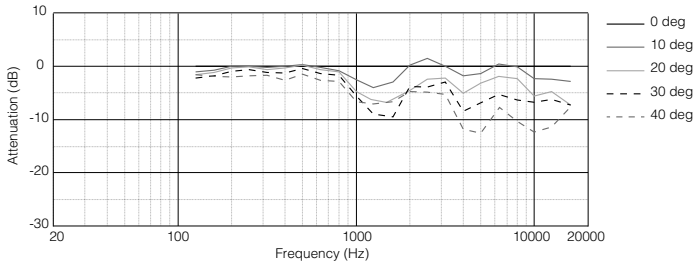
Directivity Index:



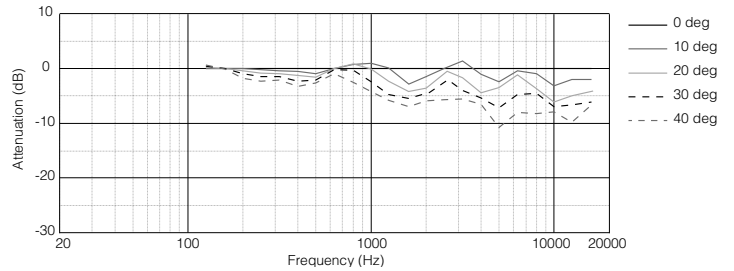
Horizontal off-axis frequency response:



Vertical Down off-axis frequency response:

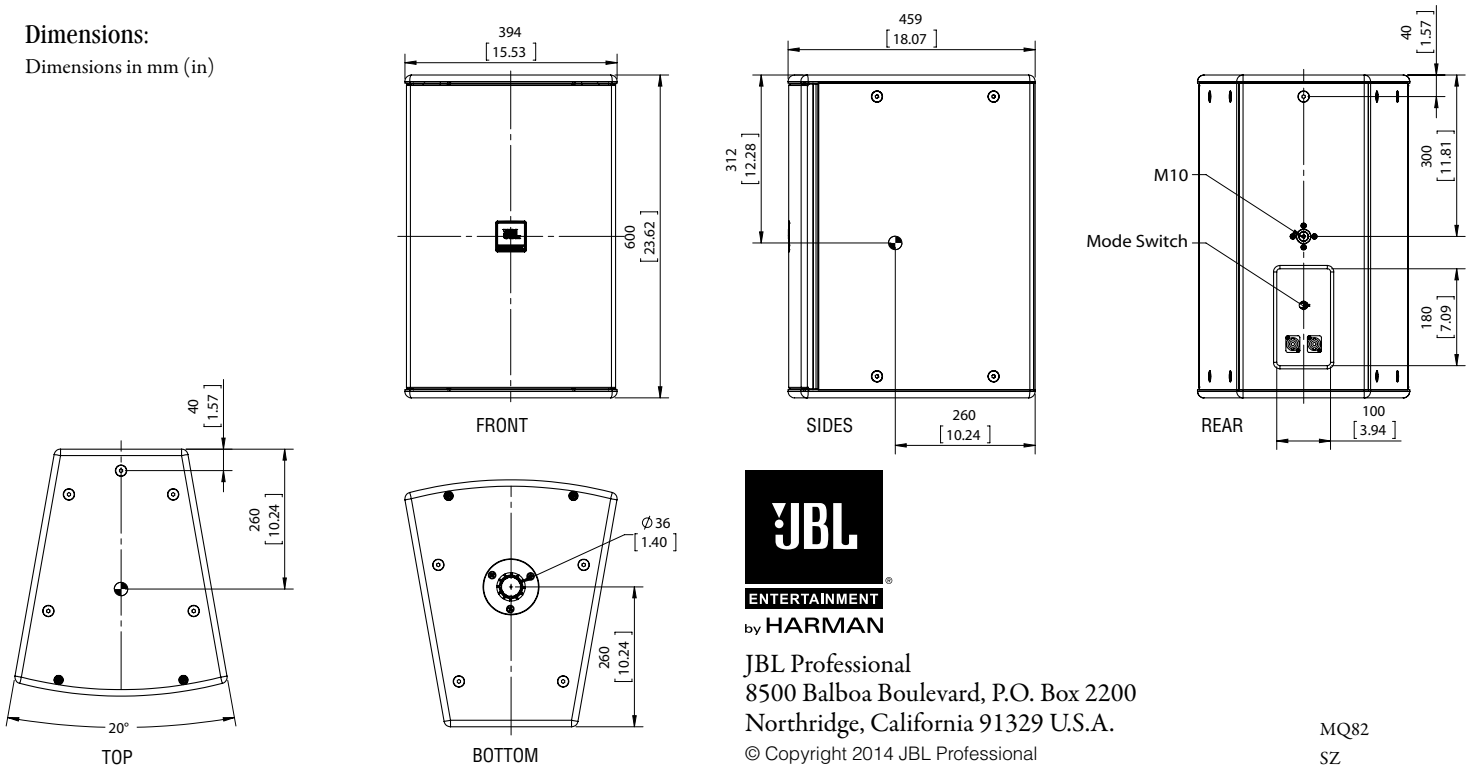


Vertical Up off-axis frequency response:



Dimensions:

Dimensions in mm (in)



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