

Marquis Bar Series

Key Features:

- ▶ Dual JBL 2408H-1 super tweeters
- ▶ Sophisticated acoustic cabinet design for efficient heat dissipation
- ▶ Low distortion and high fidelity
- ▶ High-temperature resistant voice coil ensures the durability and reliability of the speaker
- ▶ 120° x 80° coverage pattern for even and smooth on and off axis response
- ▶ Heavy duty 1.2 mm protective screen backed steel grille



Applications:

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

MQ80H is a unique system component in the Marquis Bar series. It is an ultra high frequency module consisting of dual JBL 2408H-1 super tweeters for superior high frequency response. It is especially designed to supplement and extend the high-frequency output of other systems in a variety of applications .

The loudspeaker enclosure is constructed with 12mm high quality hard plywood with high-quality black Duraflex™ finish.

Specifications:

System:

Frequency Range (-10 dB):	3 kHz – 20 kHz
Frequency Response (±3 dB):	4 kHz – 20 kHz
Coverage:	120° x 80°
Directivity Factor (Q):	6.4
Directivity Index (DI):	8.1 dB
Crossover Frequency:	Proposed -6 dB cutoff @ 4 kHz ~ 6 kHz
System Sensitivity:	98 dB
Nominal Impedance:	4 ohms
Maximum SPL (1 m) ¹ :	116 dB continuous average (122 dB peak)
Power Rating ² (Continuous/Program/Peak):	60W/120W/240W

Transducers:

High Frequency Driver:	2 x 2408H-1
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Physical:

Enclosure:	Trapezoidal with 90 degree side angles, 12 mm Hard plywood
Suspension Attachment:	3 points (2 top, 1 rear), M10 threaded hardware
Finish:	Black DuraFlex™ finish.
Grille:	Powder coated, 1.2mm perforated steel, with acoustically transparent black fibre cloth backing.
Input Connector:	NL4 Neutrik Speakon® in parallel for loop-through.
Dimensions (H x W x D):	151 x 353 x 209 mm (5.9 x 13.9 x 8.2 in)
Net weight:	3.6 kg (7.9 lbs)

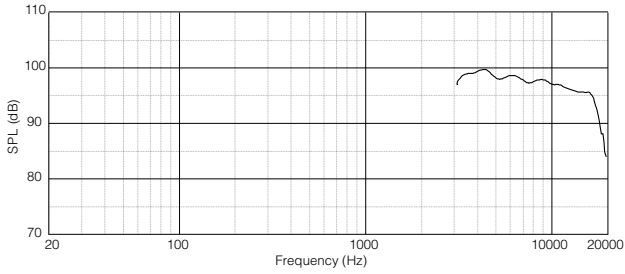
¹ Calculated based on system sensitivity and 2-hour power rating, exclusive of power compression.

² Filtered pink noise, HP But 24dB@4kHz, LP But 48dB@20kHz, 6dB crest factor, 2-hour duration..

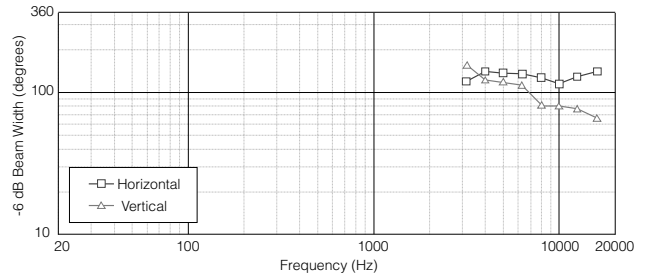
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► MQ80H Super Tweeter Loudspeaker

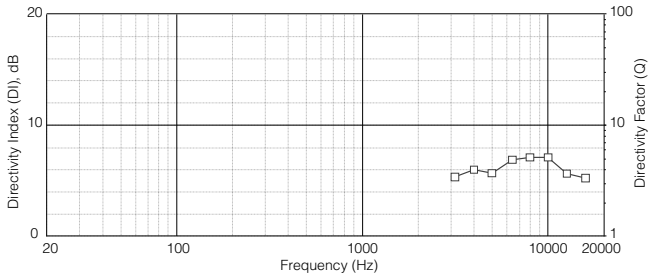
Frequency Response:



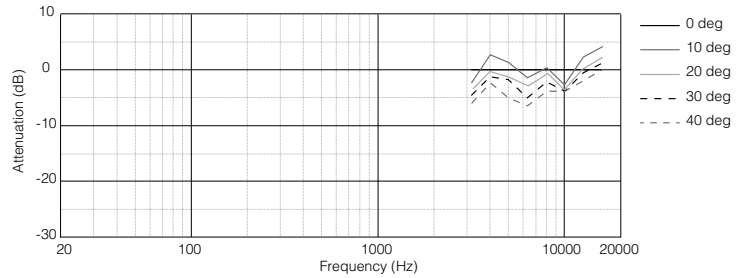
Beamwidth:



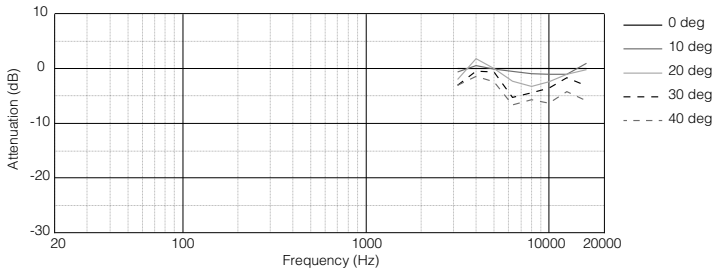
Directivity Index:



Horizontal off-axis frequency response:

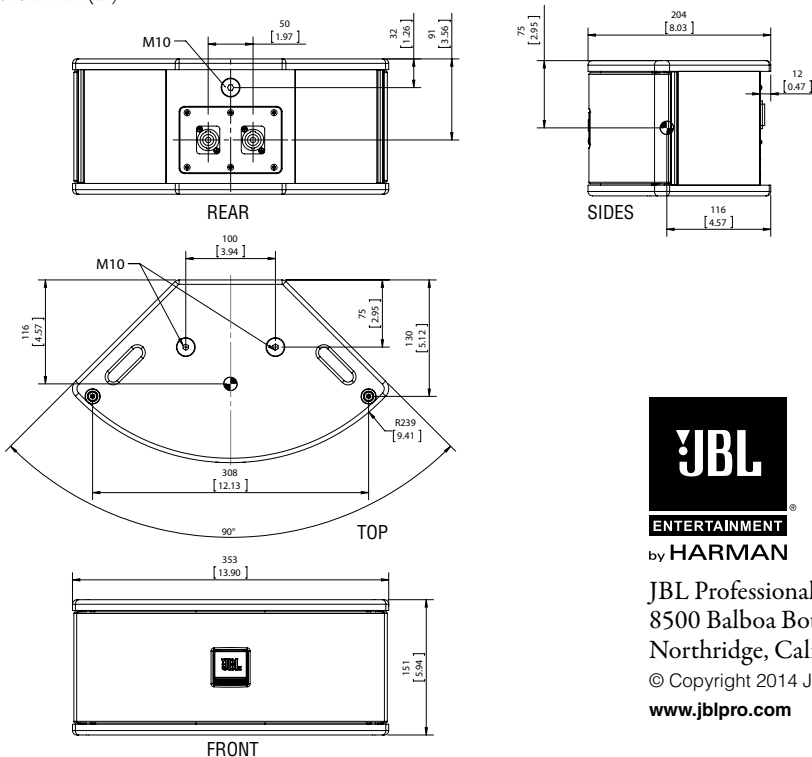


Vertical off-axis frequency response:



Dimensions:

Dimensions in mm (in)



JBL Professional
 8500 Balboa Boulevard, P.O. Box 2200
 Northridge, California 91329 U.S.A.
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