

### Marquis Bar Series

### Key Features:

- ▶ 15" 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 MQ85 speakers can be combined as a line array to provide wider coverage

### Applications:

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

MQ85 is a 15" high-power full-range passive speaker. It is specifically tuned to meet the needs of today's dance music. It utilizes a 15" 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):	48 Hz – 20kHz
Frequency Response (±3 dB):	57 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:	100 dB
Nominal Impedance:	8 ohms
Maximum SPL (1 m) <sup>1</sup> :	127 dB continuous average (133 dB peak)
Power Rating <sup>2</sup> (Continuous/Program/Peak):	550W/1100W/2200W

#### Transducers:

Low Frequency Driver:	1 x 15" 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, 1.6 mm 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):	700 x 435.5 x 549 mm (27.6 x 15.5 x 18 in)
Net weight:	30.5 kg (67.2 lbs)

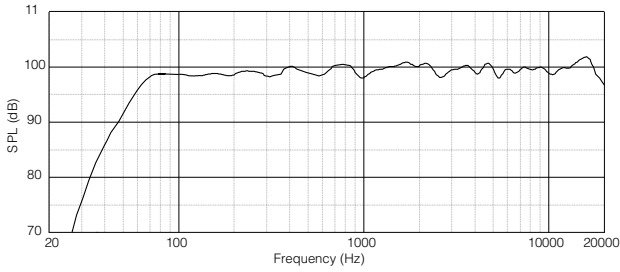
<sup>1</sup> Calculated based on system sensitivity and 2-hour power rating, exclusive of power compression.

<sup>2</sup> IEC shaped pink noise, 2-hour duration.

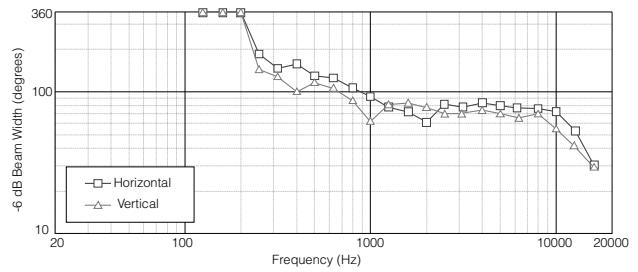
JBL continually engages in research related to product improvement. Some materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

# ► MQ85 15 Inch Full-Range Passive Speaker

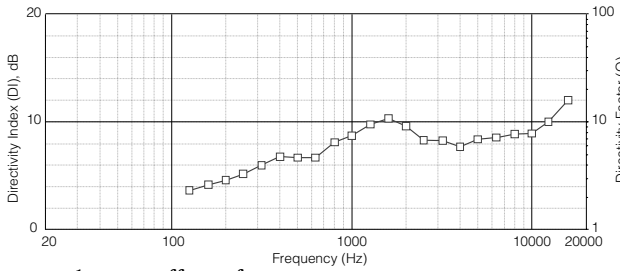
## Frequency Response:



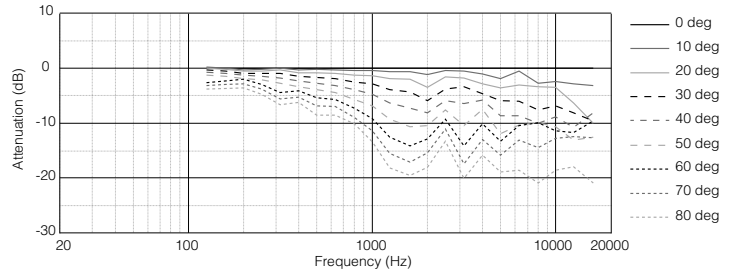
## Beamwidth:



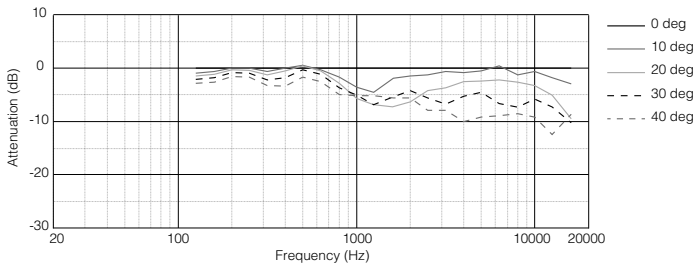
## Directivity Index:



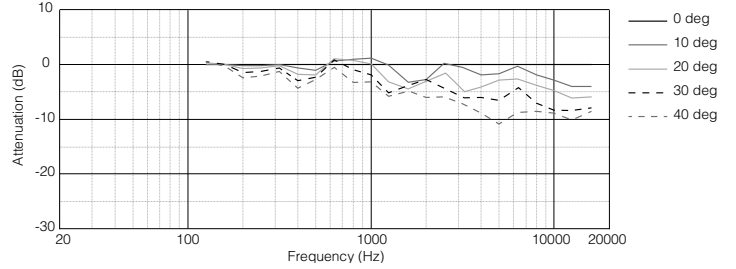
## Horizontal off-axis frequency response:



## Vertical Down off-axis frequency response:

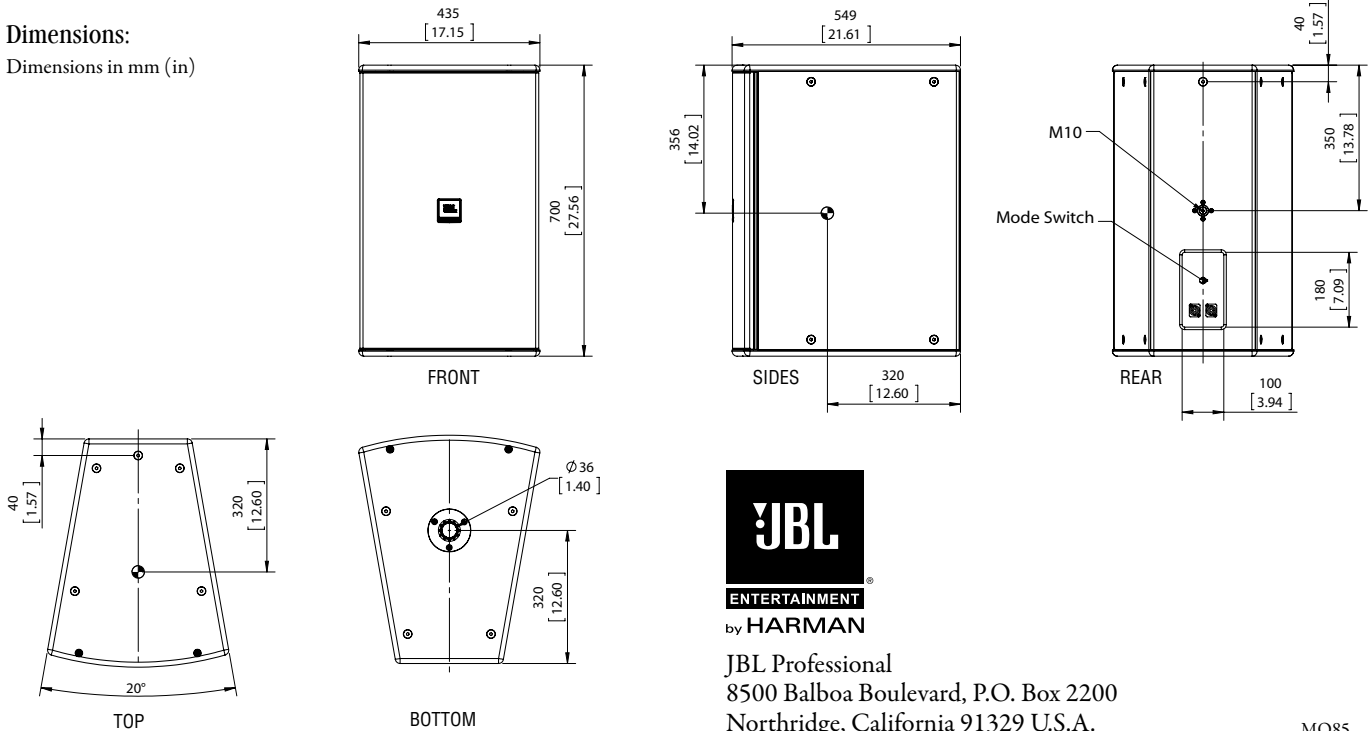


## Vertical Up off-axis frequency response:



## Dimensions:

Dimensions in mm (in)



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

© Copyright 2014 JBL Professional  
www.jblpro.com

MQ85  
SZ  
06/14