JBL PROFESSIONAL by HARMAN

MARQUIS DANCE CLUB SERIES

MD52

2-Way Full-Range Loudspeaker System with 1 x 12" LF

Professional Series

Key Features:

- JBL 262H-1 2" dual voice coil – dual magnetic gap Differential Drive® woofer
- JBL 2408H-1 1.5" diaphragm, 1" exit compression driver
- 90° x 50° rotatable PT™ Progressive Transition waveguide
- Pole mount socket for portable applications

Applications:

- Sophisticated dance clubs
- Mobile DJ
- Live sound reinforcement

JBL's Marquis Dance Club Series is a state-of-the-art family of loudspeaker systems designed specifically for the Dance Club Market. The MD52 is also designed for the mobile DJ requiring a light weight, high fidelity portable system. The multi-angle enclosure features a 45° angle on one side for use as a floor monitor in the horizontal orientation and is fitted with two handles, one each on the side panels, and a pole mount cup on the bottom panel. MD52 is a medium-power 90° x 50°, 12" 2-way fully passive full-range system utilizing a 262H-1 Differential Drive transducer and a 2408H-1 compression driver with a 1.5" diaphragm for smooth, low distortion high-frequency response.

All of the Marquis Series loudspeakers offer unprecedented fidelity, clarity, and breathtaking purity.

Specifications:

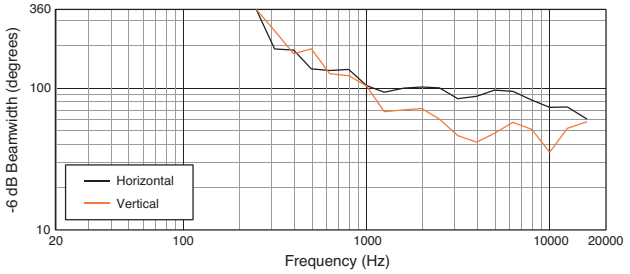
System:	
Frequency Range (-10 dB):	39 Hz - 20 kHz
Frequency Response (±3 dB):	53 Hz - 19 kHz
Coverage Pattern:	90° x 50° rotatable waveguide
Directivity Factor (Q):	11.0
Directivity Index (DI):	10.4 dB
Crossover Frequency:	1.4 kHz
System Power Rating (IEC)[1]:	550 W (2200 W peak) 2 hrs
Long-Term System Power Rating (IEC)[2]:	300 W (1200 W peak), 100 hrs
Maximum SPL (1m)[3]:	123 dB-SPL cont avg (129 dB peak)
System Sensitivity[4]:	96 dB-SPL, 2.83V (1W) @ 1m (3.3 ft)
System Impedance:	8 Ohms
Transducers:	
Low-Frequency Driver:	1 x JBL 262H-1, 300 mm (12 in) Differential Drive woofer with dual 50.8 mm (2 in) voice coil
High-Frequency Driver:	1 x JBL 2408H-1, 25.4 mm (1 in) exit compression driver, 38 mm (1.5 in) voice coil
Waveguide:	PT-H95HF-1 Progressive Transition Waveguide
Physical:	
Enclosure:	Trapezoidal with 7.5° and 45° side angles, 16 mm (5/8 in) exterior grade 11-ply birch plywood
Suspension Attachment:	10 x M10 attachment points (2 top, 2 bottom, 2 each side, 2 rear), 4 x M8 (rear panel) for MultiMount® MM022-BT, MM-024-BT, MM-020-CM 35 mm pole mount socket
Finish:	Black DuraFlex™ finish.
Grille:	Powder coated 14 gauge perforated steel
Input Connectors:	Neutrik Speakon® NL4 (2 wired in parallel), plus CE-compliant covered barrier strip terminals. Barrier terminals accept up to 5.2 sq mm (10 AGW) wire or max width 9 mm (.375 in) spade lugs. NL4's +1/-1 in parallel with barrier strip (+2/-2 loop through).
Dimensions (H x W x D in vertical cabinet orientation):	711.2 x 371.4 x 400.6 mm (28 x 14.6 x 15.8 in)
Net Weight:	20.6 kg (45.5 lb)
Optional Accessories:	M10 x 35 mm forged shoulder eyebolts with washers

[1] IEC shaped pink noise, 6 dB crest factor, 2 hour duration, based on minimum impedance.
[2] IEC shaped pink noise, 6 dB crest factor, 100 hour duration, based on minimum impedance.
[3] Calculated based on system sensitivity and 2-hour power rating, exclusive of power compression.
[4] Anechoic sensitivity in free field, no additional sensitivity gain from boundry loading.

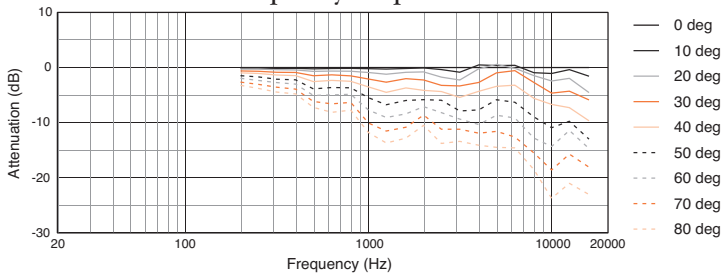
JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

MD52 2-Way Full-Range Loudspeaker System with 1 x 12" LF

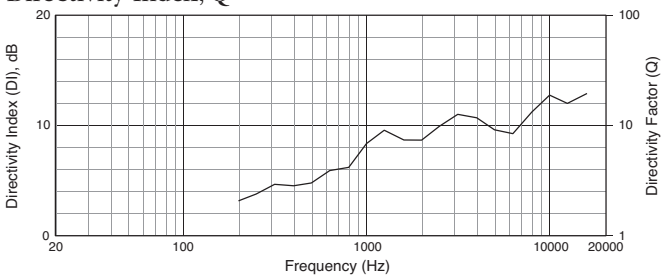
Beamwidth



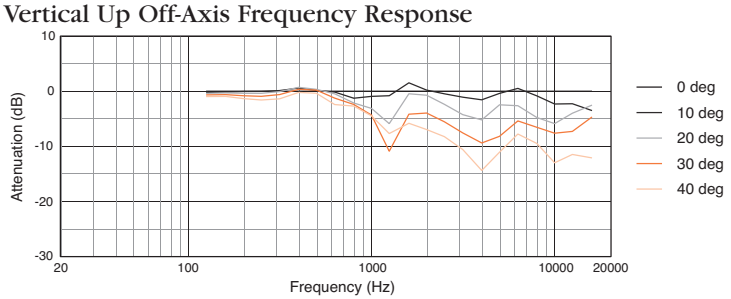
Horizontal Off-Axis Frequency Response



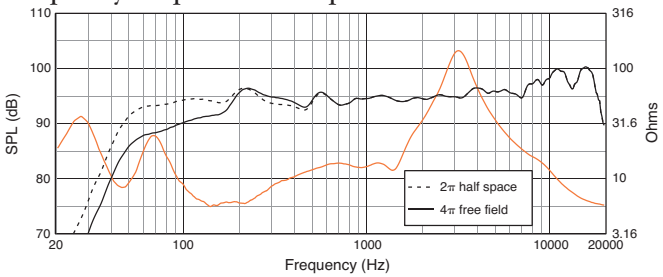
Directivity Index, Q



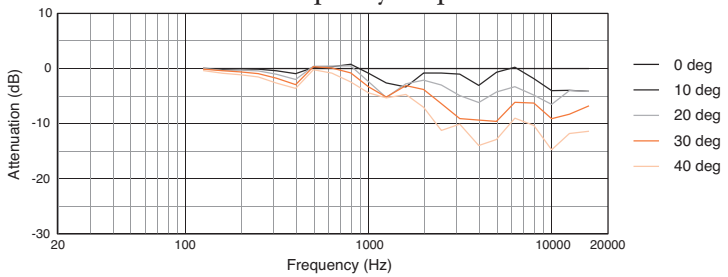
Vertical Up Off-Axis Frequency Response



Frequency Response and Impedance

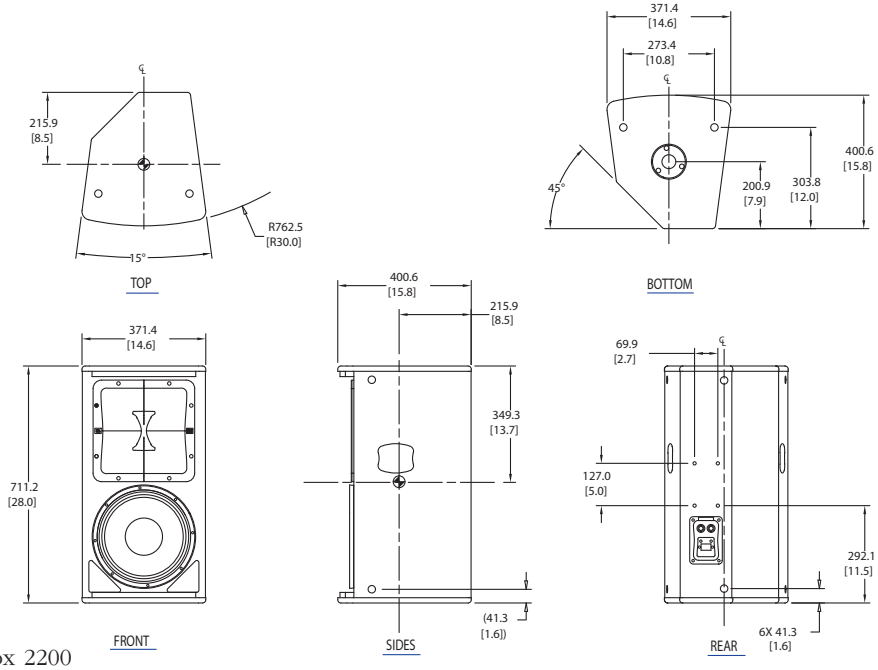


Vertical Down Off-Axis Frequency Response



Measurements obtained in full passive crossover mode with no signal processing. Graphs are from unaltered measured data.

Dimensions



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