



MODEL Q-SB2 LOUDSPEAKER

For Installations Requiring:

- Enhanced Low Frequency Performance

Features:

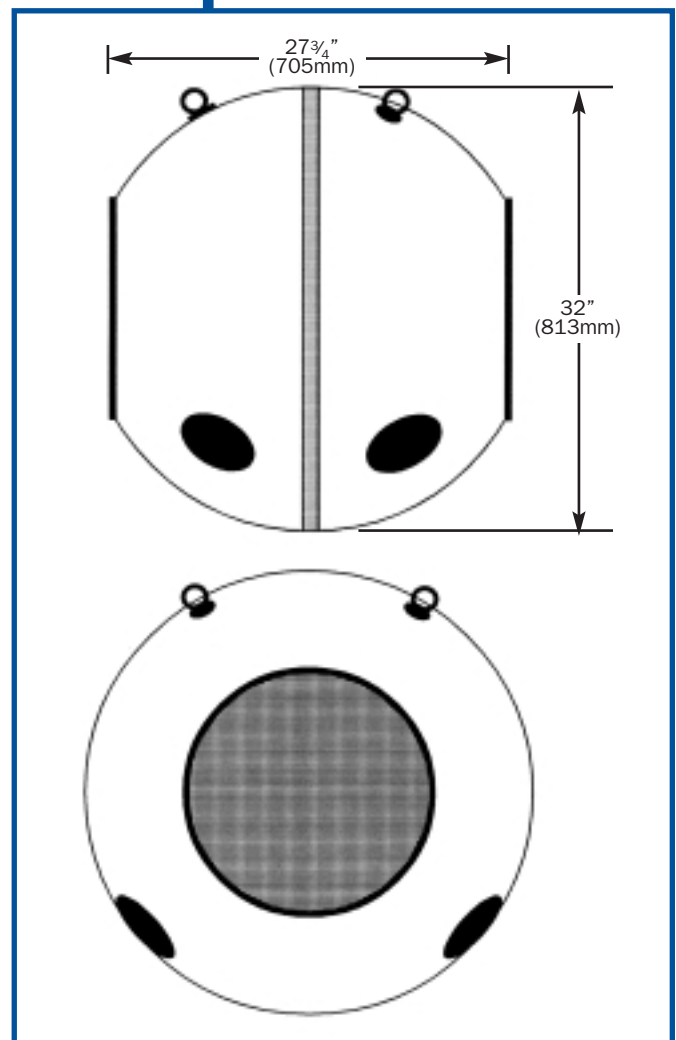
- High Power Handling Capability (800W/4 ohms)
- High Sensitivity (99dB 1W/1m)
- High SPL Capability (128dB 800W/1m)
- Standard and custom colors available

Applications:

- Gymnasiums
- Ice Rinks
- Arenas
- Churches
- Bars / Nightclubs
- Applications where enhanced low frequency response at high sound pressure levels is required

Specifications:

Sensitivity	99dB SPL 1Watt/ 1 meter
Maximum SPL	128dB SPL 800 Watts/ 1meter
Power Handling	800 Watts RMS
Frequency Response	40Hz to 200Hz ± 6 dB
Recommended Crossover Frequency	150Hz, 18dB/octave
Coverage	360° vertical 360° horizontal
Rated Impedance	4 ohms
Weight	70 lbs (31.75 kg)
Shipping Weight	91 lbs (41.28 kg)
Dimensions	32" (813 mm) diameter sphere
Driver	2 x 18"
Connector	Neutrik® Speakon® NL4MPR receptacle, mating connector (Neutrik® Speakon® NL4FC) supplied
Material	Enclosure is fiberglass with gelcoat finish, plated steel hardware
Accessories	Electronic crossover with limiter, Model QBX

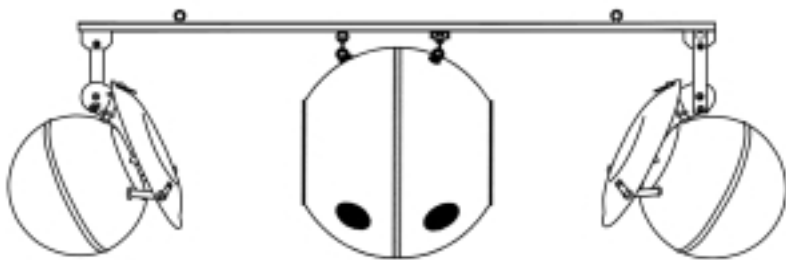


SOUNDSPHERE®

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Q-SB2 Q-12A Combinations

Model	Description
BK-3	Combines 1 Model Q-SB2 and 2 Model Q-12A loudspeakers
BK-5 (not shown)	Combines 1 Model Q-SB2 and 4 Model Q-12A loudspeakers

Model QBX Electronic Crossover Specifications

Inputs	3 Pin XLR, female, balanced
Outputs	3 Pin XLR, male, unbalanced
Indicators	Red LEDs for power, Channel 1 limiting, Channel 2 limiting
Crossover Frequency	150 Hz (-3dB), 18dB/octave
System High Pass Filter	30Hz (-3dB), 18dB/octave
Power Limiting	800 Watts average, 1600 Watts peak
Power Supply	24-30VDC@500mA
Power Supply Connector	Coaxial, 5.0mm OD, 2.1mm ID, center contact positive
Dimensions	19" (483mm)W x 1.75" (44mm) (1U) H x 8.5" (216mm) D
Weight	3 lbs (1.36kg)
Enclosure	Aluminum, black anodized finish

Architects and Engineers Specifications

The loudspeaker shall be a self contained low frequency device. The frequency response shall be 40Hz to 200Hz ± 6 dB; the vertical and horizontal polar coverage shall be ± 2 dB over 360°.

The loudspeaker shall have a minimum sensitivity of 99dB 1W/1m, a continuous power handling capability of 800 Watts RMS, and a rated impedance of 4 ohms.

The loudspeaker driver complement shall be two 18 inch bass units. The drivers shall be mounted in a spherical enclosure made of fiberglass. Three eyebolts shall be supplied to facilitate hanging. All hardware shall be stainless or plated steel.

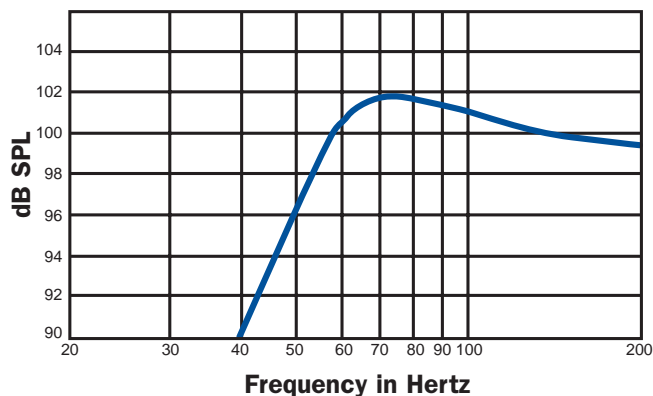
The enclosure color shall be ordered in advance, otherwise white shall be supplied. The loudspeaker shall be comprised of a 32 inch (813 mm) diameter sphere with two 18" drivers mounted on opposing sides. The complete loudspeaker shall be 32 inches (813 mm) in overall height and weigh 70lbs. (31.75kg). The loudspeaker shall be the Soundsphere Model Q-SB2.

QBX Electronic Crossover

The Model QBX electronic crossover is a 1U rack mountable unit designed for operation of the Model Q-SB2 with one or more Model Q-12A loudspeakers.

The Model QBX features two separate channels. In stereo applications where multiple Model Q-12A loudspeakers are used with a single Model Q-SB2 the sub-bass outputs can be electronically combined (to mono) by operating the rear panel sub-bass mode switch.

The Model QBX features peak and average power limiting to minimize the possibility of driver damage or failure.



Warranty

Soundsphere® loudspeakers are warranted against failure or malfunction due to defects in materials or workmanship for a period of five years from date of original purchase. Defective units will be repaired or replaced at our option if delivered prepaid to our factory. Repaired or replaced units will be returned at our expense. Warranty does not cover appearance or damage caused by abuse, misuse, neglect, accident, or exceeding maximum rated power. Warranty does not cover labor costs involved in removing and/or reinstalling the defective unit, nor any liability due to accidents caused by improper installation. Warranty is extended to original purchaser and is not transferable.