

## Q-Series

### MODEL Q-12A LOUDSPEAKER

#### For Installations Requiring:

- Clear Voice Announcements
- Full Range Music Reproduction
- High Sound Pressure Levels

#### Features:

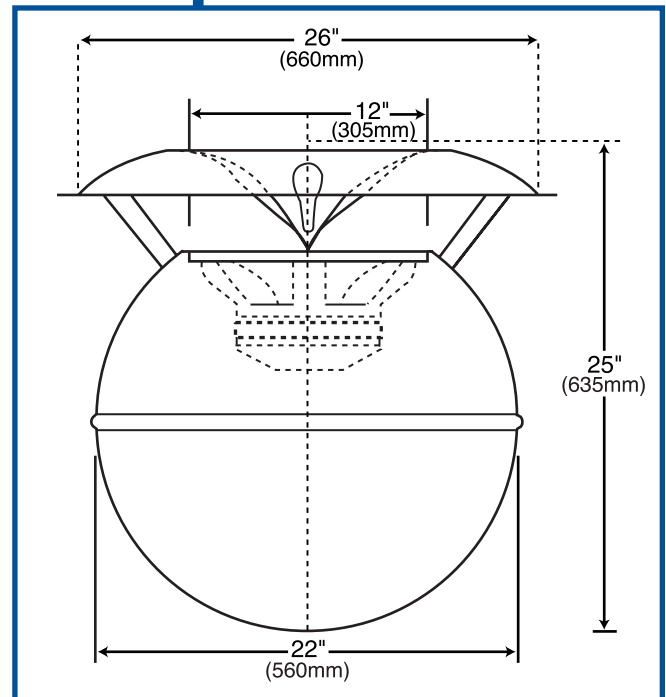
- Hemispherical coverage pattern
- Accurate, full range voice announcements
- Enhanced high fidelity music reproduction
- High sensitivity (97dB 1W/1m)
- High SPL capability (121dB 250W/1m)
- Exclusive Patent Pending, Poly-exponential Incidence Reflector
- Hanging or surface mount
- Standard and custom colors available

#### Applications:

- **Gymnasiums**
- **Ice Rinks**
- **Arenas**
- **Churches**
- **Swimming Pools**
- **Transportation Terminals**
- **Factories**
- **Open Public Areas**
- **Bars/Nightclubs**
- **Applications where clear voice announcements and high fidelity foreground music at high sound pressure levels are required**

#### Specifications:

<b>Sensitivity</b>	97dB 1 Watt/1 meter
<b>Maximum SPL</b>	121dB 250 Watts/1 meter
<b>Power Handling</b>	250 Watts RMS
<b>Frequency Response</b>	60Hz-16kHz ±6dB
<b>Coverage</b>	180° vertical 360° horizontal
<b>Rated Impedance</b>	8 ohms
<b>Weight</b>	39 lbs. (17.6 kg)
<b>Size</b>	Height: 25" (635mm) Sphere Diameter: 22" (560mm) Reflector Diameter: 26" (660mm)
<b>Driver</b>	12 inch true coaxial (LF and HF share common magnetic circuit)
<b>Material</b>	Enclosure and reflector are fiberglass with gelcoat finish; rust resistant hardware



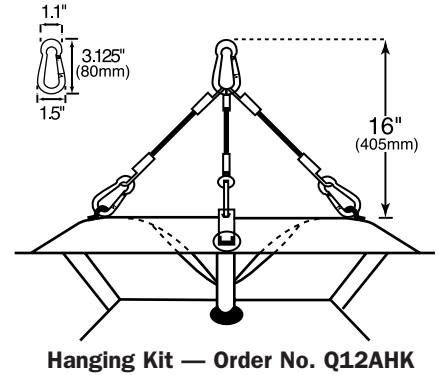
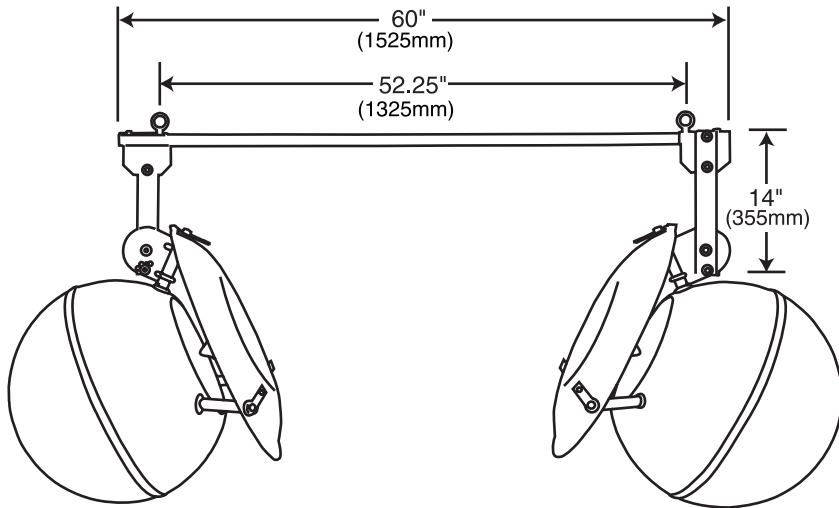
*Request document AN-Q12A for detailed application information, or log on to [www.soundsphere.com](http://www.soundsphere.com) for EASE database download, more detailed information, or to learn about other Soundsphere® products.*

#### SOUNDSPHERE®

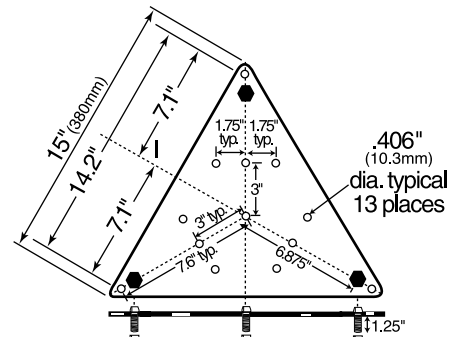
#### Division of Sonic Systems, Inc

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**Accessories**

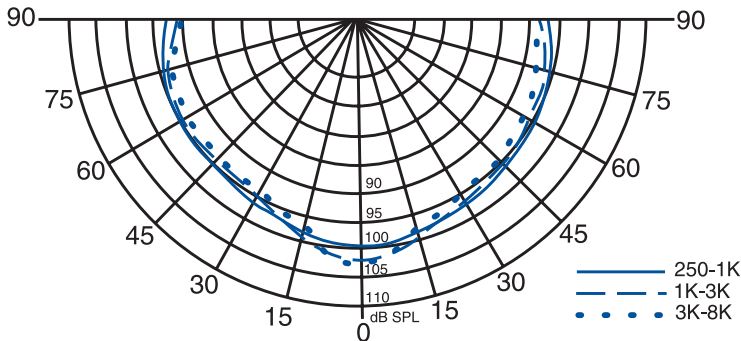


**Hanging Kit — Order No. Q12AHK**

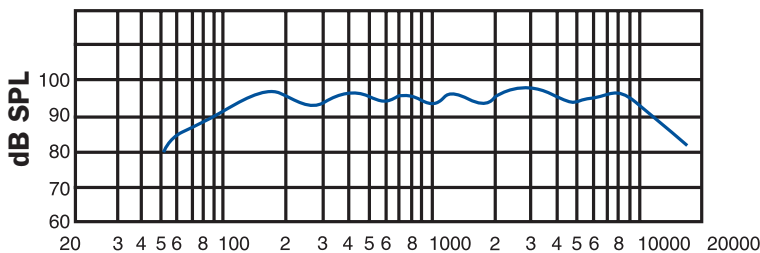


**Mounting Bracket — Order No. Q12AMB**

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



**Vertical Polar Response**



**Hemispherical Frequency Response 1W/1m**

**Line Matching Transformer — Order No. TX-250**

The Model TX-250 is a 250 Watt line matching transformer for the Model Q-12A with taps for 70 and 100 Volt constant voltage systems. The TX-250 is designed for factory mounting in the Q-12A reflector. Connection to system wiring is via 6" color coded flying leads. Available taps: 70 Volt: 250, 125, and 62.5 Watts; 100 Volt: 250 and 125 Watts.

**Architects and Engineers Specifications**

The loudspeaker shall be a self contained, wide frequency range device with a hemispherical coverage pattern. The frequency response shall be 60Hz - 16kHz, ± 6dB; the vertical polar coverage shall be 180° within ± 6dB.

The loudspeaker shall have a minimum sensitivity of 97dB SPL at 1 Watt/1 meter, a continuous power handling capability of 250 Watts RMS, and a rated impedance of 8 ohms.

The loudspeaker driver shall be one 12 inch woofer with coaxial tweeter sharing a common magnetic circuit. The driver shall be mounted in a spherical enclosure made of fiberglass. All hardware shall be stainless steel, plated steel, or aluminum. Optional mounting kits are available; a bracket to mount flat against a ceiling or wall surface, a three element cable hanging kit for single point suspension, or array kits for multiple loudspeaker, single source systems.

The enclosure and reflector color shall be ordered in advance, otherwise white shall be supplied. The loudspeaker shall be comprised of a 26 inch diameter reflector mounted to a 22 inch diameter sphere. The complete loudspeaker shall be 25 inches in overall height and weigh 39 lbs (17.6kg). The loudspeaker shall be the Soundsphere® Model Q12A.

**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.