Panaray® 620M multi-position floor monitor

Key Features

• **Three-in-one cabinet design** provides smooth response and even coverage for multiple floor-monitor applications:
  - 45° position (individual mix)
    - Horizontal: 40°; Vertical: 120°
  - 40° position (group mix – shallow stage)
    - Horizontal: 120°; Vertical: 40°
  - 60° position (group mix – deep stage)
    - Horizontal: 120°; Vertical: 40°

• **Proprietary Articulated Array®** speaker configuration with six 2.25" (57 mm) mid-high frequency drivers combined with two (2) 5.25" (133 mm) woofers

• **Internal passive crossover** network does not require active equalization

• **Recessed NL4 connectors** allow for easy cable concealment, which reduces clutter on stage

• **Rear bumper** prevents unwanted movement

Product Overview

The Bose® Panaray 620M multi-position floor monitor is a high-performance compact solution that delivers multiple coverage options for a variety of professional applications.

Technical Specifications

<table>
<thead>
<tr>
<th>System Performance</th>
<th>45° position</th>
<th>60° position</th>
<th>40° position</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Response (+/-3 dB)</td>
<td>70 Hz - 16 kHz</td>
<td>55 Hz - 18 kHz</td>
<td></td>
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<tr>
<td>Nominal Dispersion</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Recommended High-Pass Filter</td>
<td>60 Hz high-pass filter</td>
<td></td>
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<tr>
<td>Loudspeaker EQ</td>
<td>Recommended</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Long-Term Power Handling</td>
<td>200 W (800 W peak)</td>
<td></td>
<td></td>
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<tr>
<td>Sensitivity (SPL / 1 W @ 1 m)</td>
<td>90 dB SPL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum SPL @ 1 m²</td>
<td>113 dB SPL (119 dB SPL peak)</td>
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</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 Ω</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internal Crossover Frequency</td>
<td>250 Hz</td>
<td></td>
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</tbody>
</table>

**Transducers**

<table>
<thead>
<tr>
<th>Driver Compliment</th>
<th>Two (2) 5.25” (133 mm) drivers</th>
<th>Six (6) 2.25” (57 mm) drivers</th>
</tr>
</thead>
</table>

**Physical**

| Enclosure | Molded textured polyethylene material |
| Grille | Powder-coated steel grille |
| Environmental | Indoor use only |
| Connectors | Two (2) parallel-wired NL4 Neutrik® Speakon® connectors |
| Dimensions | 12.5" H x 20.6" W x 10.5" D (318 mm x 523 mm x 266 mm) |
| Net Weight | 22 lb (10 kg) |
| Shipping Weight | 28 lb (13 kg) |
| Product Code | Black 039917 |

Footnotes:

1. Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.
2. Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.
3. Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m.
4. Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
Panaray® 620M
multi-position floor monitor

Directivity Index and Q

Beamwidth

Impedance

On-Axis Response
Panaray® 620M
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Wiring Diagram

Mechanical Diagrams

Top View

Front View

Side View
Panaray® 620M
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Horizontal Plots

63 Hz Octave Band

125 Hz Octave Band

250 Hz Octave Band

500 Hz Octave Band

1000 Hz Octave Band

2000 Hz Octave Band

4000 Hz Octave Band

8000 Hz Octave Band

16000 Hz Octave Band
Panaray® 620M
multi-position floor monitor

Vertical Plots

63 Hz Octave Band

125 Hz Octave Band

250 Hz Octave Band

500 Hz Octave Band

1000 Hz Octave Band

2000 Hz Octave Band

4000 Hz Octave Band

8000 Hz Octave Band

16000 Hz Octave Band

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Bose Professional Systems Division
Panaray® 620M
multi-position floor monitor

Architects’ and Engineers’
Specifications

The loudspeaker shall be a multiple-driver, full-range loudspeaker. The transducer complement shall consist of two (2) low-frequency drivers of 5.25” (133 mm) diameter, mounted symmetrically in pairs, with six (6) 2.25” (57 mm) drivers in an Articulated Array® loudspeaker design. The loudspeaker shall have a cabinet shape to enable the floor array to be used in three different floor positions.

The loudspeaker shall have a rated nominal impedance of 8 ohms. The loudspeaker system sensitivity shall be 90 dB SPL in the 70 Hz – 16 kHz frequency range, with measurements referenced to 1 watt (2.85 V) pink noise input at 1 meter. The dispersion shall be 40° H by 120° V in the individual position, 120° H by 40° V in the group-near position and 120° H by 40° V in the group-far position. The power-handling capacity of the loudspeaker shall be 200 watts IEC band-limited, from 70 Hz – 16 kHz.

The input connectors of the loudspeaker shall consist of two (2) parallel-wired NL4 Neutrik® Speakon® connectors. The enclosure of the loudspeaker shall be composed of linear, low-density polyethylene. Its outer dimensions shall be 12.5” x 20.6” x 10.5” (318 mm x 523 mm x 266 mm). Its weight shall be 22 lb (10 kg). The loudspeaker is packaged one per carton.

The loudspeaker shall be the Bose® Panaray® 620M multi-position floor monitor.