



Electro-Voice[®] X-ARRAY™ CONCERT SYSTEMS

Recommended Array Manual



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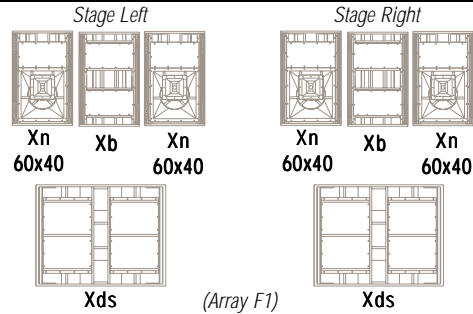
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Small Venues (less than 1,000 seats)

Very-Small Venue with Wide Coverage Angle

Small club or theatre

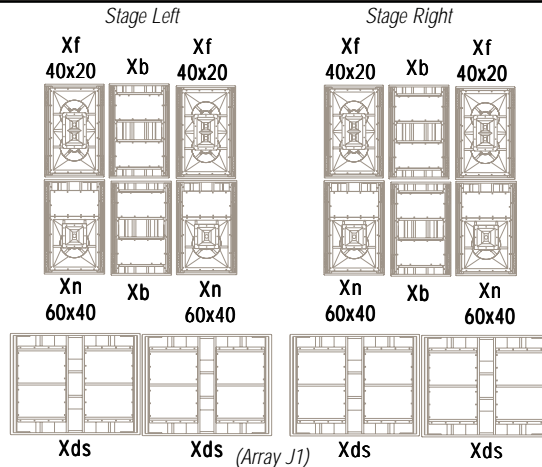
Full-range cabinets: 4 (Xn)
 MB/HF cabinets: none
 LF cabinets: 2 (Xb)
 Subwoofer cabinets: 2 (Xds)
 Horizontal Coverage: 95 to 120 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 5 channels
 Total Power: 2 x 5,200 W



Very-Small Venue with Narrow Coverage Angle

Small club or theatre

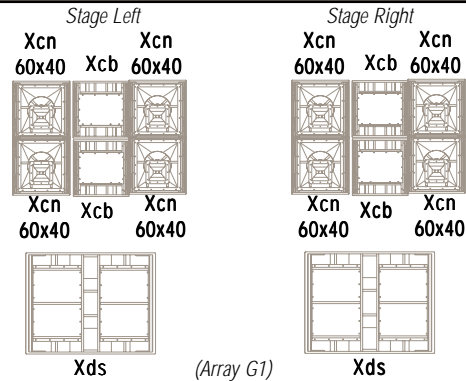
Full-range cabinets: 4 (Xn)
 MB/HF cabinets: 4 (Xf)
 LF cabinets: 4 (Xb)
 Subwoofer cabinets: 4 (Xds)
 Horizontal Coverage: 60 to 80 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 9 channels
 Total Power: 2 x 10,000 W



Very-Small Venue with Wide Coverage Angle

Small club or theatre

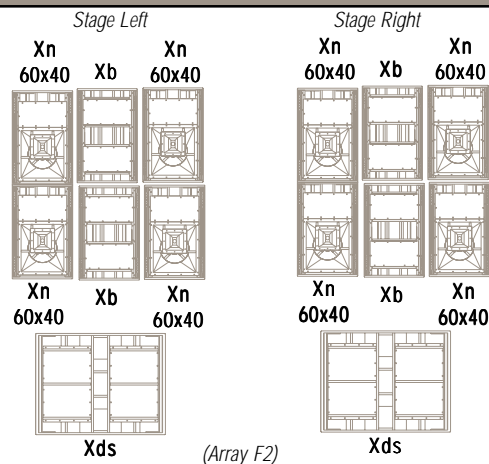
Full-range cabinets: 8 (Xcn)
 MB/HF cabinets: none
 LF cabinets: 4 (Xcb)
 Subwoofer cabinets: 2 (Xds)
 Horizontal Coverage: 95 to 120 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 6 channels
 Total Power: 2 x 8,000 W



Very-Small Venue with Wide Coverage Angle

Theatre

Full-range cabinets: 8 (Xn)
 MB/HF cabinets: none
 LF cabinets: 4 (Xb)
 Subwoofer cabinets: 2 (Xds)
 Horizontal Coverage: 95 to 120 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 9 channels
 Total Power: 2 x 9,200 W

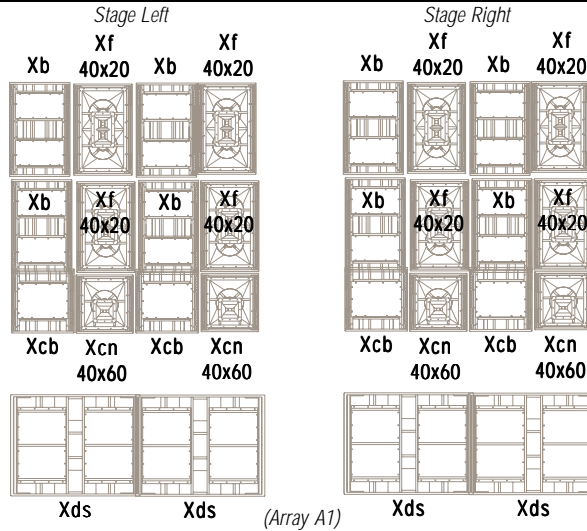


Medium Venues (1,000 to 5,000 seats)

Medium Venue with Narrow Coverage Angle

Small Amphitheater

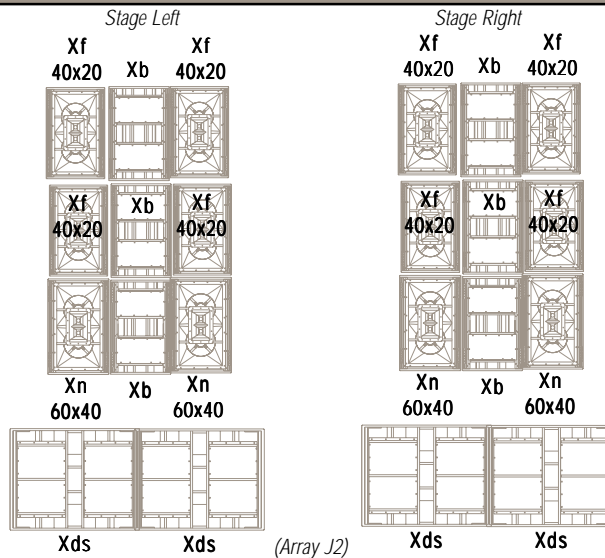
Full-range cabinets: 4 (Xcn)
 MB/HF cabinets: 8 (Xf)
 LF cabinets: 8 (Xb), 4 (Xcb)
 Subwoofer cabinets: 4 (Xds)
 Horizontal Coverage: 60 to 80 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 13 channels
 Total Power: 2 x 14,800 W



Medium Venue with Narrow Coverage Angle

Large Theatre

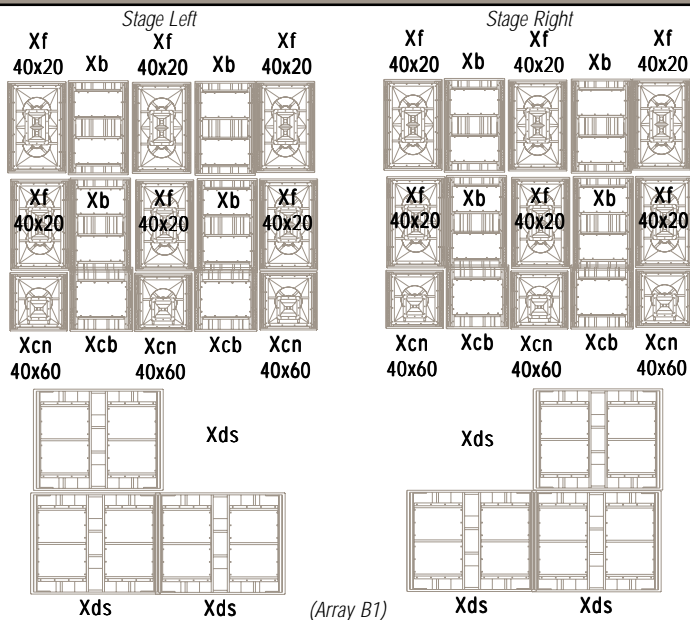
Full-range cabinets: 4 (Xn)
 MB/HF cabinets: 8 (Xf)
 LF cabinets: 6 (Xb)
 Subwoofer cabinets: 4 (Xds)
 Horizontal Coverage: 60 to 80 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 12 channels
 Total Power: 2 x 13,600 W



Medium Venue with Wide Coverage Angle

Small Amphitheater

Full-range cabinets: 6 (Xcn)
 MB/HF cabinets: 12 (Xf)
 LF cabinets: 8 (Xb), 4 (Xcb)
 Subwoofer cabinets: 6 (Xds)
 Horizontal Coverage: 90 to 120 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 20 channels
 Total Power: 2 x 20,400 W

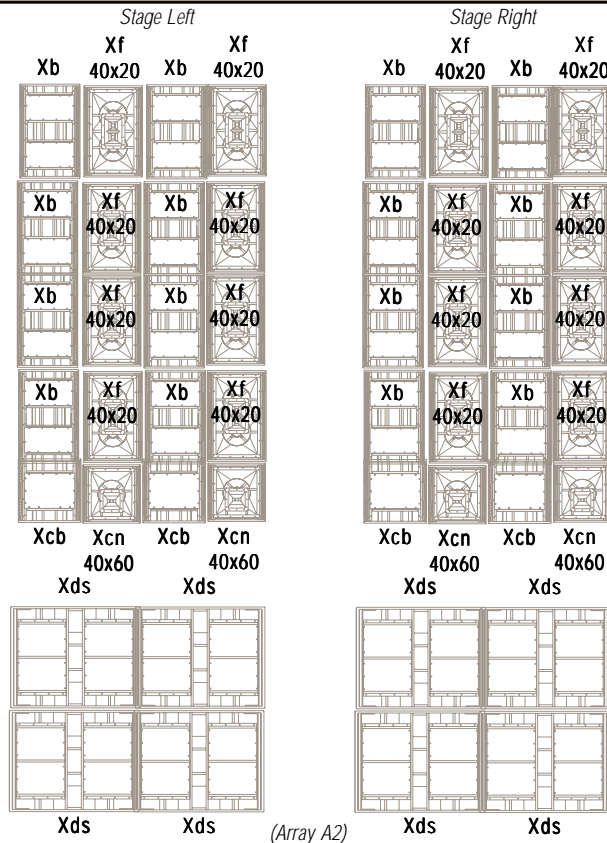


Large Venues (greater than 5,000 seats)

Large Venue with Narrow Coverage Angle

Large Amphitheater

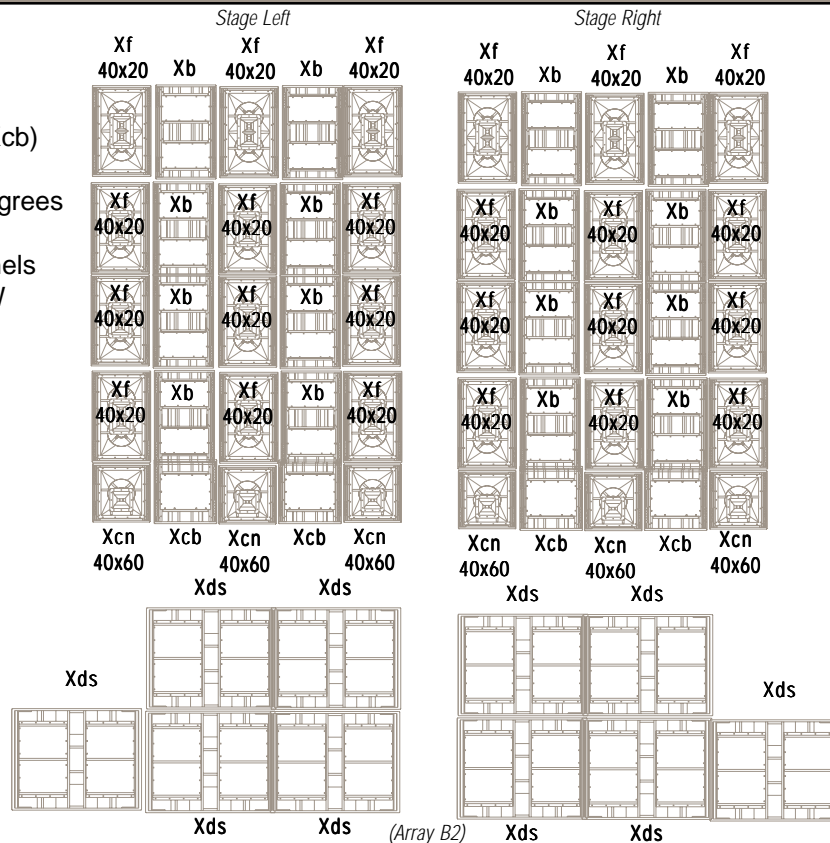
Full-range cabinets: 4 (Xcn)
 MB/HF cabinets: 16 (Xf)
 LF cabinets: 16 (Xb), 4 (Xcb)
 Subwoofer cabinets: 8 (Xds)
 Horizontal Coverage: 60 to 80 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 21 channels
 Total Power: 2 x 26,800 W



Large Venue with Medium Coverage Angle

Large Amphitheater

Full-range cabinets: 6 (Xcn)
 MB/HF cabinets: 24 (Xf)
 LF cabinets: 16 (Xb), 6 (Xcb)
 Subwoofer cabinets: 10 (Xds)
 Horizontal Coverage: 90 to 120 degrees
 Pattern: symmetrical
 Amplifier channels: 2 x 32 channels
 Total Power: 2 x 34,800 W

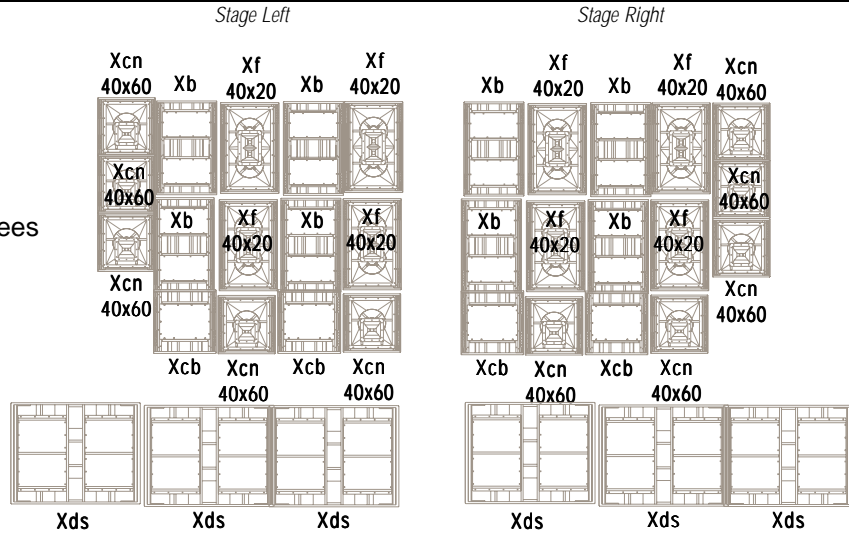


Large Venues (greater than 5,000 seats)

Large Venue with Wide Coverage Angle

Small Arena

- Full-range cabinets: 10 (Xcn)
- MB/HF cabinets: 8 (Xf)
- LF cabinets: 8 (Xb), 4 (Xcb)
- Subwoofer cabinets: 6 (Xds)
- Horizontal Coverage: 105 to 140 degrees
- Pattern: symmetrical
- Amplifier channels: 2 x 16 channels
- Total Power: 2 x 18,000 W

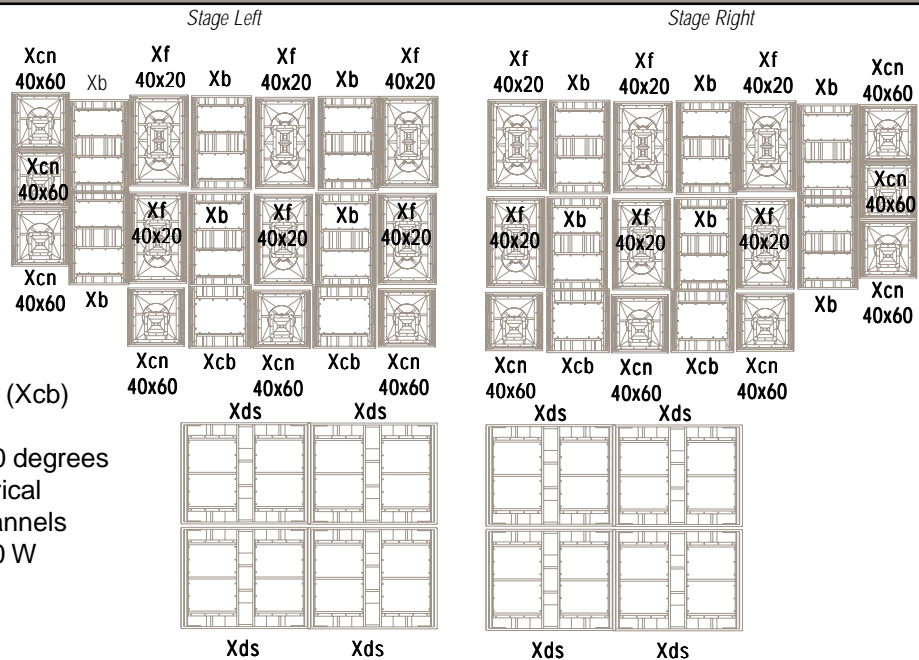


(Array C1)

Large Venue with Very-Wide Coverage Angle

Small Arena

- Full-range cabinets: 12 (Xcn)
- MB/HF cabinets: 12 (Xf)
- LF cabinets: 12 (Xb), 4 (Xcb)
- Subwoofer cabinets: 8 (Xds)
- Horizontal Coverage: 135 to 180 degrees
- Pattern: Asymmetrical
- Amplifier channels: 2 x 24 channels
- Total Power: 2 x 26,000 W



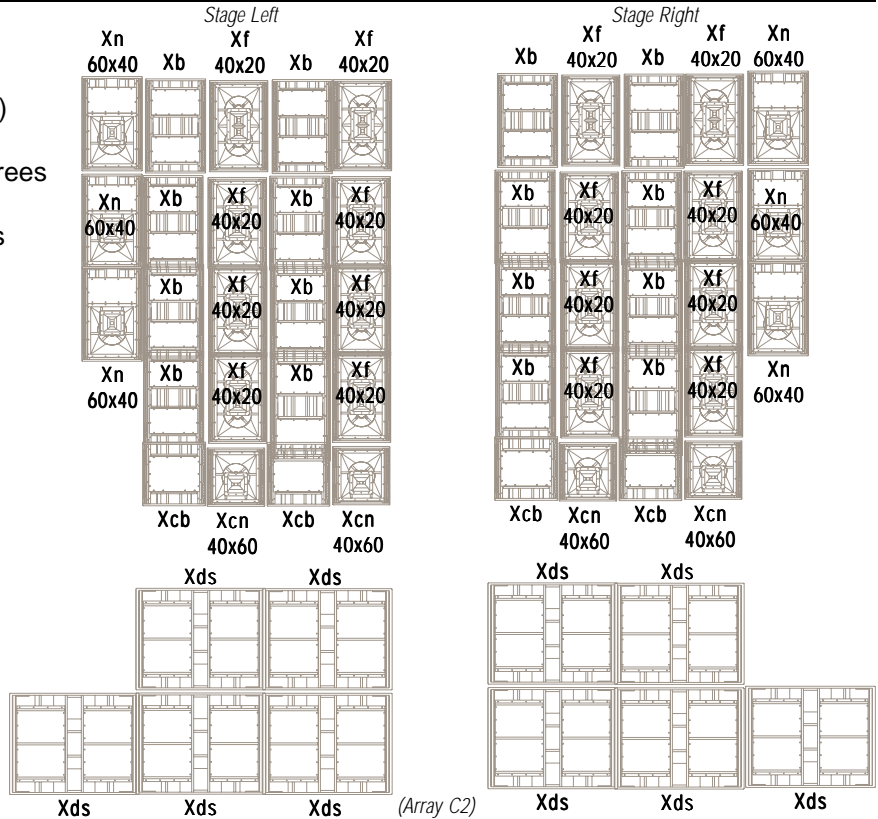
(Array D1)

Large Venues (greater than 5,000 seats)

Large Venue with Wide Coverage Angle

Large Arena

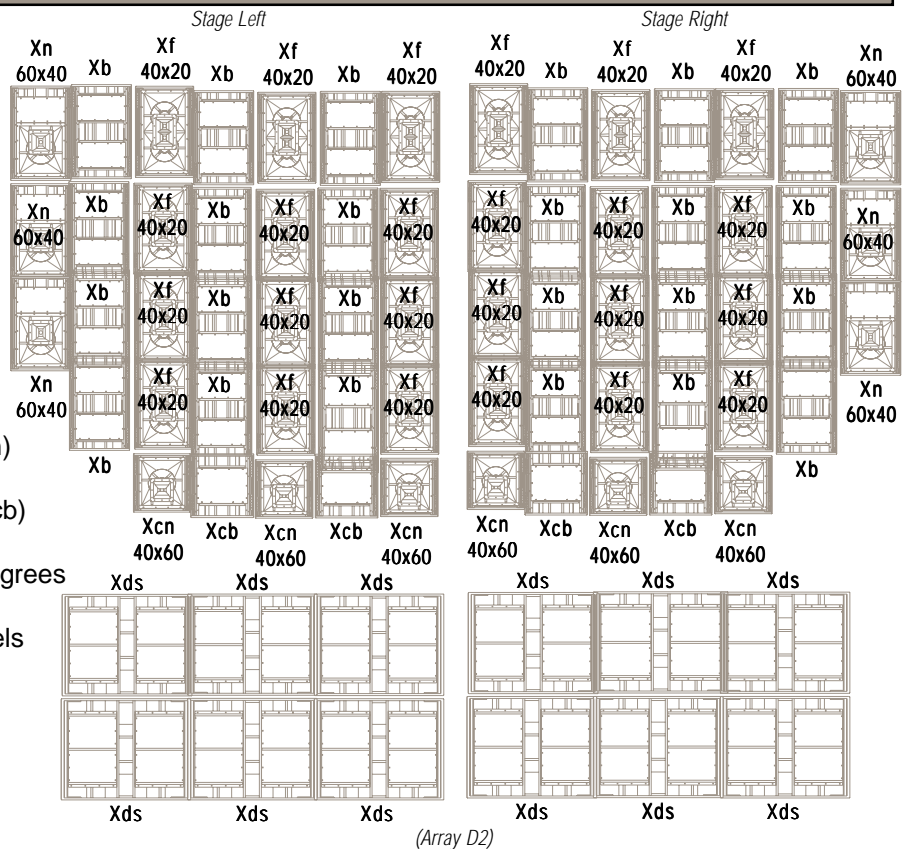
Full-range cabinets: 6 (Xn), 4 (Xcn)
 MB/HF cabinets: 16 (Xf)
 LF cabinets: 16 (Xb), 4 (Xcb)
 Subwoofer cabinets: 10 (Xds)
 Horizontal Coverage: 105 to 140 degrees
 Pattern: Asymmetrical
 Amplifier channels: 2 x 28 channels
 Total Power: 2 x 32,000 W



Large Venue with Very-Wide Coverage Angle

Large Arena

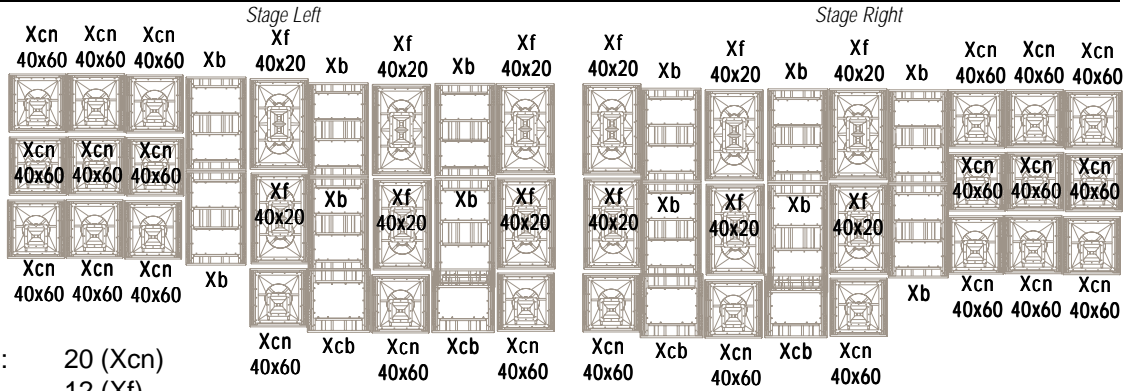
Full-range cabinets: 6 (Xn), 6 (Xcn)
 MB/HF cabinets: 24 (Xf)
 LF cabinets: 24 (Xb), 4 (Xcb)
 Subwoofer cabinets: 12 (Xds)
 Horizontal Coverage: 135 to 180 degrees
 Pattern: Asymmetrical
 Amplifier channels: 2 x 39 channels
 Total Power: 2 x 44,000 W



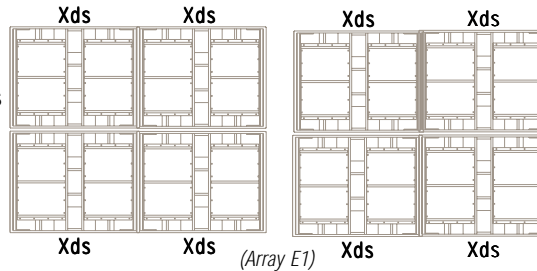
Large Venues (greater than 5,000 seats)

Large Venue with Very-Wide Angles and Wrap-Around Seating

Large Arena

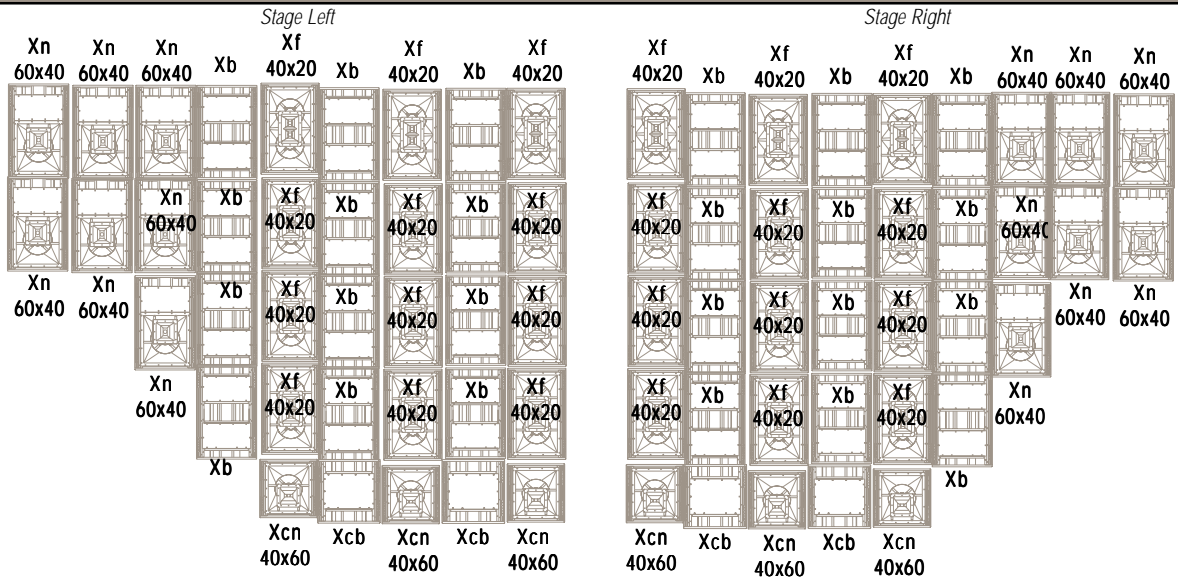


- Full-range cabinets: 20 (Xcn)
- MB/HF cabinets: 12 (Xf)
- LF cabinets: 12 (Xb), 8 (Xcb)
- Subwoofer cabinets: 8 (Xds)
- Horizontal Coverage: 135 to 180 degrees
- Pattern: Asymmetrical
- Amplifier channels: 2 x 26 channels
- Total Power: 2 x 28,800 W



Very-Large Venue with Very-Wide Angles and Wrap-Around Seating

Large Arena

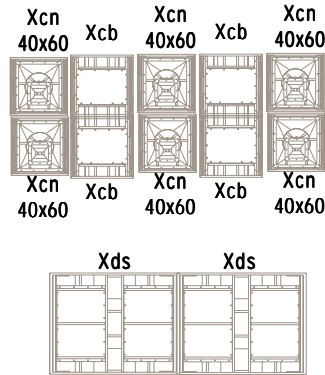


- Full-range cabinets: 14 (Xn), 6 (Xcn)
- MB/HF cabinets: 24 (Xf)
- LF cabinets: 24 (Xb), 4 (Xcb)
- Subwoofer cabinets: 12 (Xds)
- Horizontal Coverage: 135 to 180 degrees
- Pattern: Asymmetrical
- Amplifier channels: 2 x 43 channels
- Total Power: 2 x 48,800 W

Central Cluster Arrays

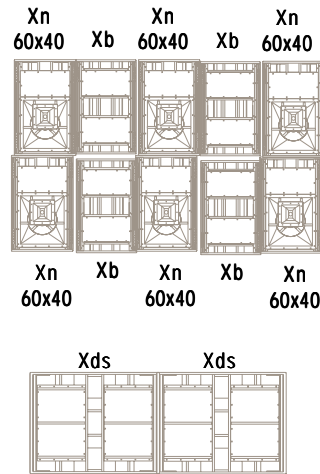
Small Venue, with Very-Wide Coverage

Full-range cabinets: 6 (Xcn)
 MB/HF cabinets: none
 LF cabinets: 4 (Xcb)
 Subwoofer cabinets: 2 (Xds)
 Horizontal Coverage: 130 to 180 degrees
 Pattern: Symmetrical
 Amplifier channels: 12 channels
 Total Power: 12,400 W



Small Venue, with Very-Wide Coverage

Full-range cabinets: 6 (Xn)
 MB/HF cabinets: none
 LF cabinets: 4 (Xb)
 Subwoofer cabinets: 2 (Xds)
 Horizontal Coverage: 130 to 180 degrees
 Pattern: Symmetrical
 Amplifier channels: 17 channels
 Total Power: 16,400 W



Other Central Cluster Arrays

The following arrays are recommended for the central-cluster applications:

Application	Recommended Array
very-small venue, wide coverage angle	F1
small venue, narrow coverage angle	J1
small venue, wide coverage angle	F2
small venue, wide coverage angle	G1
small venue, very-wide coverage angle	H1
small venue, very-wide coverage angle	I1
medium venue, narrow coverage angle	J2
medium venue, medium coverage angle	B1
large venue, medium coverage angle	B2

Please refer to the previous sections for illustrations of the arrays.
 For central cluster applications, only one channel of the illustrated stereo-pair array.

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