



FreeSpace® Loudspeakers

FREESPACE LOUDSPEAKER MATRIX

| Product | Technologies | | | | Drivers | | | | Mounting Options | | | | |
|--|-----------------------------------|---------------------------------|----------------------|------------------------------|----------------------|---------------------------------|------------------------------|--------------------------------|--|---------|-----------------|---------|-----------|
| | Articulated Array® speaker design | Acoustimass® speaker technology | Active EQ (required) | Loudspeaker EQ (recommended) | 5.25" (113mm) driver | 4.5" (114mm) StarDriver® driver | 2.25" (57mm) Tweeder® driver | 2.25" (57mm) full-range driver | 4.5" (114mm) HVC (Helical Voice Coil) driver | Surface | Flush (ceiling) | Pendant | In-ground |
| FreeSpace 3 system | | • | | | • | | • | | | • | | | |
| FreeSpace 3 Series II system | | • | | | • | | • | | | | • | • | |
| FreeSpace 3 Acoustimass module | | • | | | • | | | | | • | | | |
| FreeSpace 3 Series II Acoustimass module | | • | | | • | | | | | | • | • | |
| DS 100SE loudspeaker | • | | | • | • | | • | | | • | | | |
| DS 100F loudspeaker | | | | • | • | | • | | | | • | • | |
| DS 16S & DS 16SE loudspeaker | | | | • | | | | | | • | | | |
| DS 16F loudspeaker | | | | • | | | | | | • | • | • | |
| Model 32SE loudspeaker | | | • | | | | | | • | • | | | |
| Model 32 loudspeaker | | | • | | | | | | • | | • | | |
| 302A loudspeaker | • | • | | • | • | | • | | | • | | | |
| 203® loudspeaker | | | | | | • | | | | • | | | |
| 360P Series II loudspeaker | | | | | | | | | • | • | | | • |
| 102F loudspeaker | | | • | | | | | | • | | • | | |

| Product | Applications | | | | | | | | Dispersion (±6 dB point, J = 4 kHz) | | |
|--|---------------------|------------------|----------------------|------------------|------------------|----------------|------------------------|--------------------|-------------------------------------|------------|--------------------|
| | Voice Only (Paging) | Full-Range Music | Extended-Range Music | Background Music | Foreground Music | Outdoor | Integrated Transformer | 70V/100V Operation | Low-Impedance Operation | Horizontal | Vertical |
| FreeSpace 3 system | • | • | • | • | • | | • | • | • | 170° | 170° |
| FreeSpace 3 Series II system | • | • | • | • | • | | • | • | • | 170° | 170° |
| FreeSpace 3 Acoustimass module | • | • | • | • | • | | • | • | • | 360° | 360° ^{††} |
| FreeSpace 3 Series II Acoustimass module | • | • | • | • | • | | • | • | • | 360° | 360° ^{††} |
| DS 100SE loudspeaker | • | • | | • | • | • | • | • | • | 180° | 75° |
| DS 100F loudspeaker | • | • | | • | • | | • | • | • | 160° | 160° |
| DS 16S & DS 16SE loudspeaker | • | • | | • | | • [†] | • | • | • | 170° | 160° |
| DS 16F loudspeaker | • | • | | • | | | • | • | • | 140° | 140° |
| Model 32SE loudspeaker | • | • | | • | | • | • | • | • | 132° | 132° |
| Model 32 loudspeaker | • | • | | • | | | • | • | • | 132° | 132° |
| 302A loudspeaker | • | • | | • | • | • | • | • | • | 178° | 93° |
| 203 loudspeaker | • | | | • | • | | • | • | • | 115° | 150° |
| 360P Series II loudspeaker | • | • | | • | • | • | • | • | • | 360° | 50° |
| 102F loudspeaker | • | • | | • | | | • | • | • | 132° | 132° |

[†]70V operation only. Transformer is available as an accessory part.
^{††}DS 16SE loudspeaker only.

^{†††}All bass energy below 200 Hz is omni-directional (360° conical).

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Bose Professional Systems Division

Design | Performance | Support

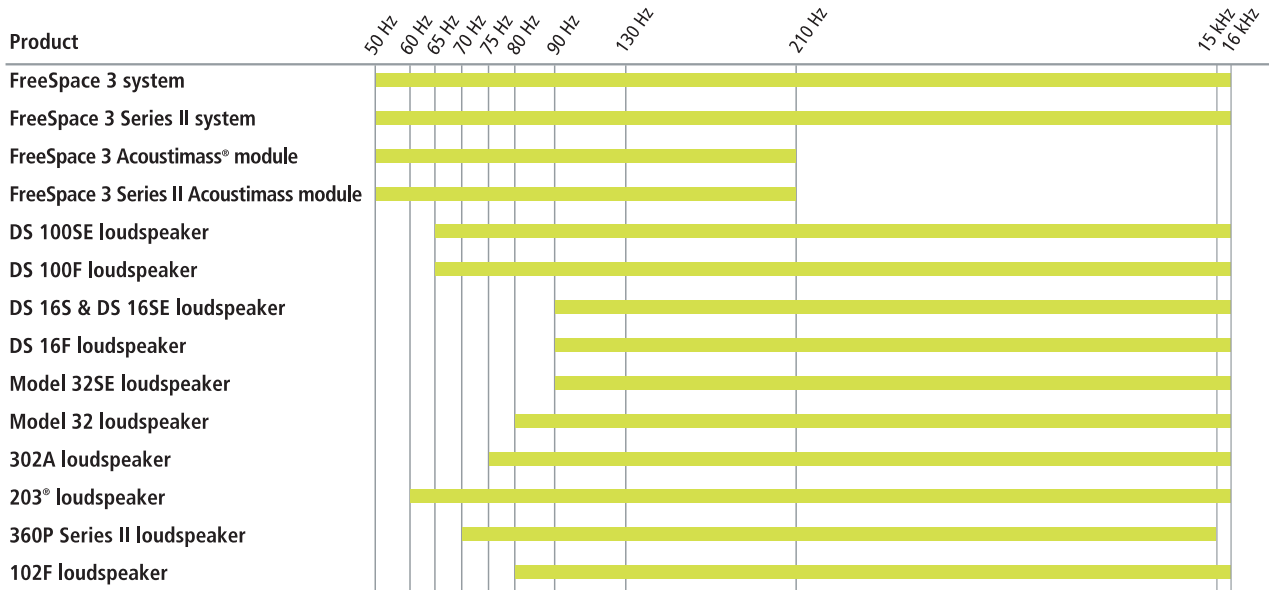




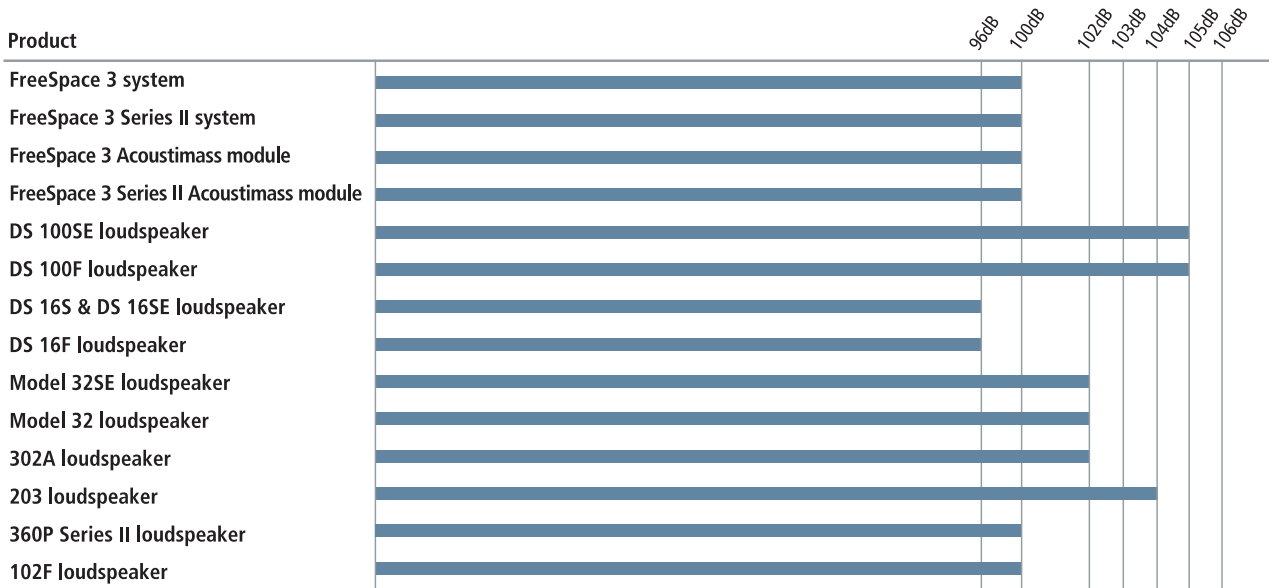
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FREESPACE LOUDSPEAKER MATRIX

Frequency Response ($\pm 3\text{dB}$)



Maximum Output (pink noise @ 1m @ rated power)



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