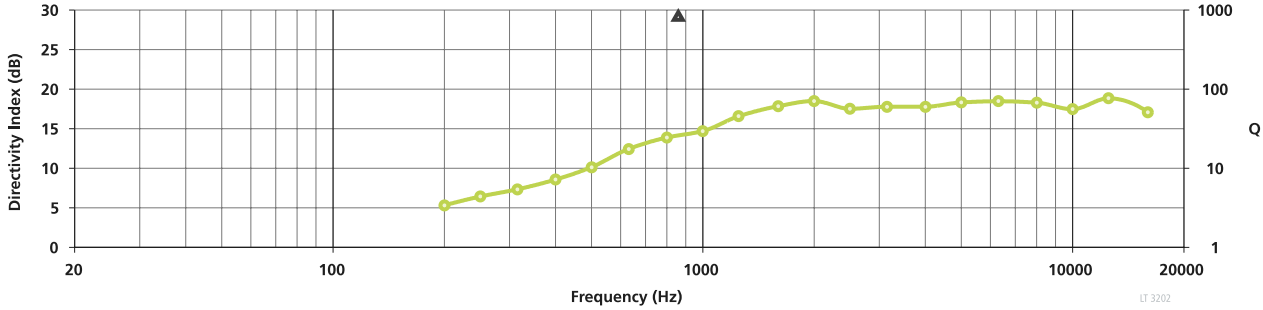
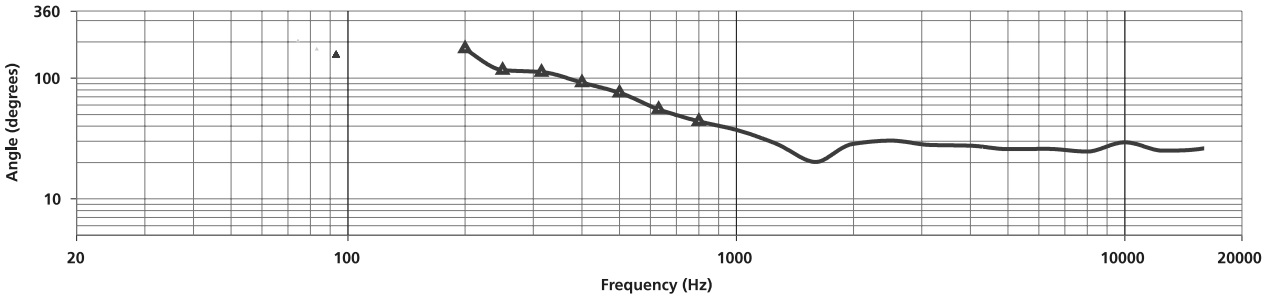
- coverage for long-throw applications in stadiums and arenas. (This is the only mid/high loudspeaker currently available with 30° x 20° pattern.)
- loudspeaker designed for use in arrays with separate LF augmentation (Bose® MB12 or MB24 bass arrays) or voice-only applications
- sums output of 2 x 4.5" (114 mm) extended-range cone drivers for lower breakup distortion and improved transient response. Provides a smoother, more natural vocal range compared to single 8" to 12" woofers. The LT 3202 WR utilizes four Bose V2 midrange manifolds
- provides effective 30° x 20° pattern control to approximately 1 kHz. Minimizes loudspeaker overlap in arrays to reduce comb-filter interference and improve intelligibility

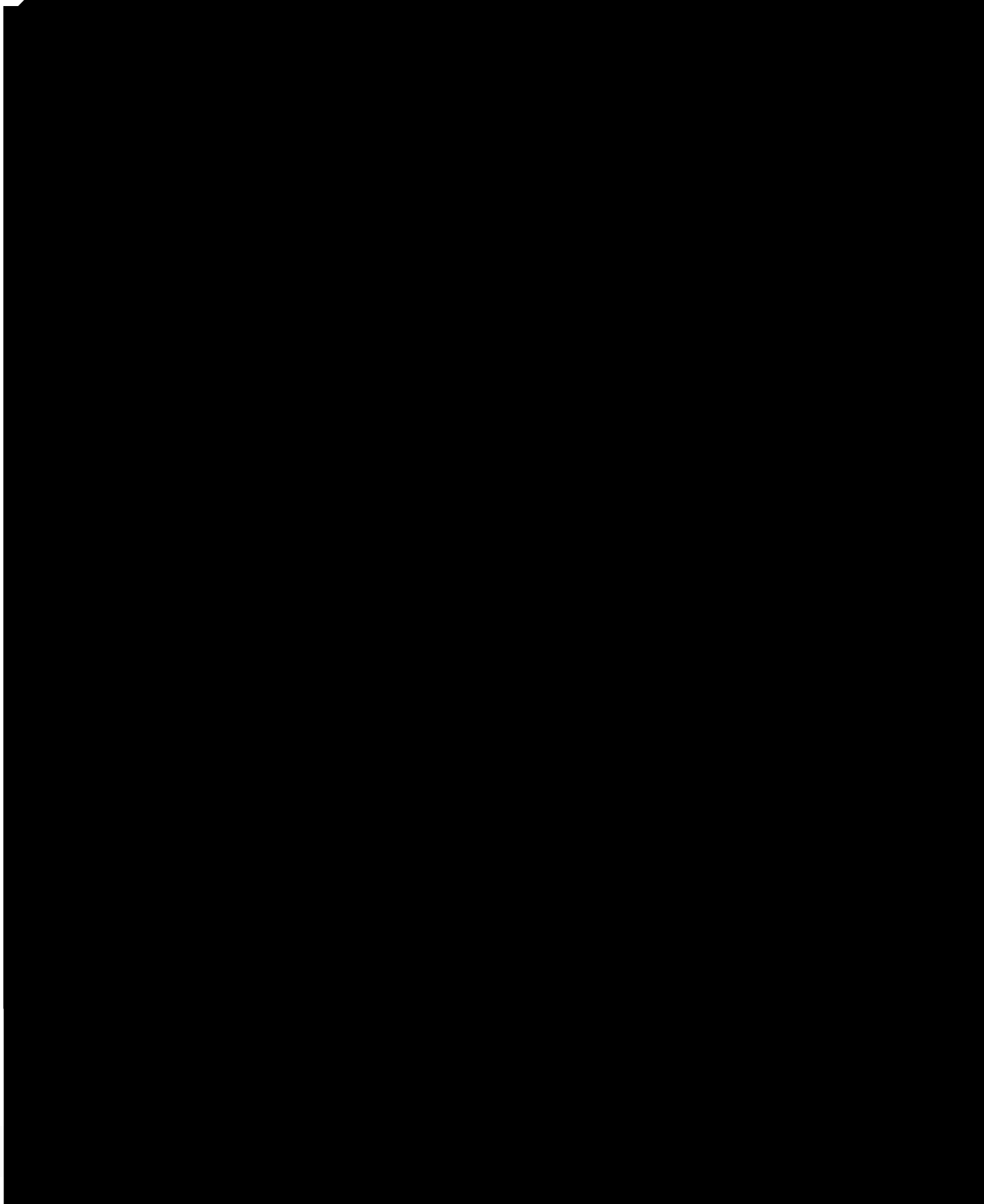
The Bose® LT 3202® WR is a high-output, mid/high-frequency loudspeaker designed for use with other LT loudspeakers to form Coherent Zone arrays in medium to large permanent installations requiring precise coverage and high intelligibility. The large-format waveguide and narrow 30° x 20° pattern provide a cost-effective alternative to multiple-cabinet line arrays for long-throw applications in many stadiums and arenas.

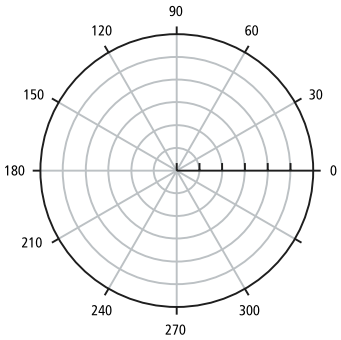
System Performance						
Frequency Response (+/-3 dB)[1]	220 Hz - 1 Hz					
Frequency R n e (-10 dB)[1]	1 0 Hz - 1 Hz					
o n spers on	30 H 20					
ens y(/ 1 1)[2]	110 dB					
u 1[3]	13 dB (1 0 dB pe)					
rosso er ype	ss e B- p u - B- p c e					
rosso er Frequency	1 Hz					
Reco ended H - ss F er	1 0 Hz order en (2 dB / oc e)					
oudspe er	Requ red					
	Passive	**Bi-Amp**		**Dual-Mid Bi-Amp**		
		Mid	**High**	**Mid 1**	**Mid 2**	**High**
on - er o er H nd n	2 0 (1120 pe)	2 0 (1120 pe)	(300 pe)	1 0 (0 pe)	1 0 (0 pe)	(300 pe)
o n ped nce	1	1				
Transducers						
r er o p en	HF 3 ( ) o ce co co press on dr er F Four) Bose 2 dr n e n o ds e c 2 (11) cone dr ers					
Physical						
nc osure	er or- r de B c rc p y dod 11-p y 1					
F n s	o p r sor y po yure ne co n c					
r e	1 - u e per or ed s n ess see r e po der-co ed n s nd c ed n open-ce o					
n ron en	u door per 2 [5]					
onnec ors	o (2) p r e - red eu pe on connec ors					
uspens on / oun n	een (1) po n s 3/ - 1 re ded nser s (e c op o o s des) s n ess see					
ens ons	2 2 H 22 3 2 (10 2 3)					
e e	1 ( )					
pp n e	2 (110)					
Product Code						
B c	323102-0110 (pec rder n y)					

Frequency response and range measured on-axis with recommended active EQ in an anechoic environment.
Sensitivity measured in free field (no boundary-loading gain) with recommended active EQ, referenced to 1W/1m.
Maximum SPL calculated from sensitivity and power handling specifications, exclusive of power compression.
Power handling tested using pink noise filtered to meet IEC 268-5, 6 dB crest factor, 100 hours, with recommended EQ.
LT WR Loudspeaker must be mounted vertically for outdoor installations. Horizontal position (rotated 90 degrees) for indoor installations only.


Directivity Index (dB)
30
25
20
15
10
5
0
1000
100
10
1
Q
20
100
1000
10000
20000
Frequency (Hz)
LT 3202


Angle (degrees)
360
100
10
20
100
1000
10000
20000
Frequency (Hz)





LT 3202

The 2-way, mid/high-frequency loudspeaker shall contain a 3" (76 mm) diaphragm compression driver and four (4) midrange manifolds, each summing two (2) 4.5" (114 mm) cone drivers in a heat-sink/acoustic summation assembly. The transducers will exit into a large-format waveguide with 30° x 20° nominal beamwidth and effective pattern control to approximately 1 kHz. An internal filter network with crossover of 1.6 kHz shall allow passive or bi-amp operation.

On-axis system frequency response shall be 220 Hz to 16 kHz (+/- 3 dB) with recommended crossover and active equalization. The system sensitivity shall be 110 dB SPL with 1 watt input and be capable of producing peak output of 140 dB SPL on axis at 1 meter. In passive mode, the system shall handle 280 watts of amplifier power (IEC 268-5 pink noise, 6 dB crest factor, for 100 hours) and have a nominal input impedance of 16 ohms. In bi-amp mode, the mid-frequency section shall handle 280 watts of amplifier power and have a nominal input impedance of 16 ohms (or two discrete 8 ohm loads, selectable). The high-frequency section shall handle 75 watts of amplifier power and have a nominal input impedance of 8 ohms.

The trapezoidal enclosure shall be constructed of void-free, exterior-grade Baltic birch plywood with extensive internal bracing. The enclosure interior shall be treated with wood sealer and the exterior finished with a two-part spray polyurethane coating (Chemthane 7030 or equivalent) to resist weather elements and scuffing. The enclosure shall be covered by a 16-gauge perforated stainless steel grille with powder-coated finish and backed with an open-cell foam. The loudspeaker shall survive water incursion consistent with the IEC 529 IPX5 rating. The enclosure shall have sixteen (16) stainless steel threaded inserts (4 each: top, bottom, sides) that accept standard SAE 3/8"-16 rigging hardware. Inputs shall be two (2) NL8 Neutrik® Speakon® connectors. Loudspeaker dimensions shall be 42.2" x 22.5" x 39.2" (1072 mm x 573 mm x 997 mm). Net weight shall be 195 lb (88.4 kg).

The 2-way, mid/high-frequency loudspeaker shall be the Bose® LT 3202® WR loudspeaker.