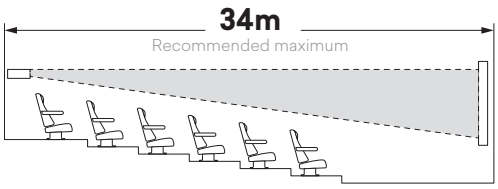
KX-5285

2-WAY SCREEN CINEMA SYSTEM



The KX-5285 features triple 15 inch bass drivers and a high power compression driver with a 4 inch diameter voice coil, coupled with Krix proprietary 90º x 40º horn. Using sophisticated loudspeaker modelling techniques, the acoustic loading and pattern control have been engineered to achieve industry leading low distortion and smooth directivity characteristics.

Building on a long and successful history within the cinema industry, our in-house research, development and manufacturing team deliver a strong focus on quality and rigorous production standards. Every speaker that leaves Krix has been fully tested in an advanced acoustic measurement chamber. Tight production tolerances are upheld to ensure best-in-class product quality and reliability.

FEATURES

- High power 4 inch voice coil compression driver for the most demanding applications.
- Patented Constant Directivity Horn technology for precision coverage, extremely uniform frequency response and ultra-low distortion.
- Krix proprietary 'X Bracing' system within the low frequency enclosure for standing wave suppression and reduced panel resonance.
- Krix engineered bass drivers featuring, large ferrite magnet structure, dual aluminium shorting rings and symmetrical gap geometry for minimum distortion at all levels.

System option	Bi-amplified	
Product code	**KX-5285.B**	
Frequency	Low	High
Sensitivity (2.83 V/m, Half space [3])	107 dB	111 dB
Input power rating[2]	950 W	130 W
Impedance	3 Ω	8 Ω
Crossover frequency	1000 Hz (Low - High)	
Frequency range	32 – 16,000 Hz (-6 dB)	
Nominal dispersion	90° Horizontal, 40° Vertical	
Dimensions	1646 (H) x 850 (W) x 460 (D) mm	64 ½ (H) x 33 ½ (W) x 18 (D) inches
Net weight	94 kg	207 lbs

EXPERIENCE SOUND

DETAILED SPECIFICATIONS

	Low frequency	Horn system
Part Number [5]	**KX-2640**	**KX-3250**
Sensitivity		
1 W/m, Free space	101 dB [1]	111 dB
1 W/m, Half space [3]	103 dB [1]	111 dB
2.83 V/m, Free space	105 dB	111 dB
2.83 V/m, Half space [3]	107 dB	111 dB
Impedance		
Nominal	3 Ω	8 Ω
Minimum	2.7 Ω	7.4 Ω
Maximum Input Voltage [4]	53 V	32 V
Maximum Input Power		
Continuous [2]	950 W	130 W
Peak	3800 W	520 W
Recommended Processing	Subsonic 30 Hz, >12 dB/oct	Contact Krix for details
Low frequency transducers	3 x 380 mm (15 inch) paper cone driver, ferrite magnet, vented pole peice, 75 mm (3 inch) edge wound copper voice coil, dual aluminium shorting rings.	
Low frequency enclosure	Vented B4 alignment tuned to 36 Hz, Krix proprietary 'X bracing', optimally damped with polyester fibre, MDF black vinyl finish.	
High frequency transducer	1 x 100 mm (4 inch) ferrite magnet compression driver, titanium diaphragm, edge wound aluminium voice coil on high temperature polyimide former.	
Horn	90° x 40° constant directivity, thermoset resin reinforced with glass fibre.	
Horn bracket	Tilt 0° to 15° downwards: Swivel ±15° degrees.	
Terminals	Krix proprietary, high current binding posts featuring an 8mm hole to accept large diameter cable. High visibility polarity indicators.	

NOTES

- All measurements and specifications are made in accordance with AES2-2012 and in a form compatible with Dolby® Atmos™ calculator.
- Due to continued development, specifications may change without notice.
- Manufactured and sold under US Patents 7,044,265 B2 and 2011/0153282 A1.

1. Sensitivity measurements adjusted to the nominal 1W input power, calculated from the real part of the electrical input impedance over the operating frequency range.
2. Maximum AES continuous power capacity (AES2-2012) band limited test signal duration of two hours.
3. Half space sensitivity based on partial increase due to rear wall loading at low frequencies estimated from the directivity index over operating frequency range.
4. RMS voltage required to deliver the maximum continuous power to the loudspeaker, IEC shaped pink noise with duration of two hours.
5. The KX-5285 is shipped in two parts comprising of a KX-2640 (Low Frequency component) and KX-3250 (Horn system component).

DETAILED DIMENSIONS