

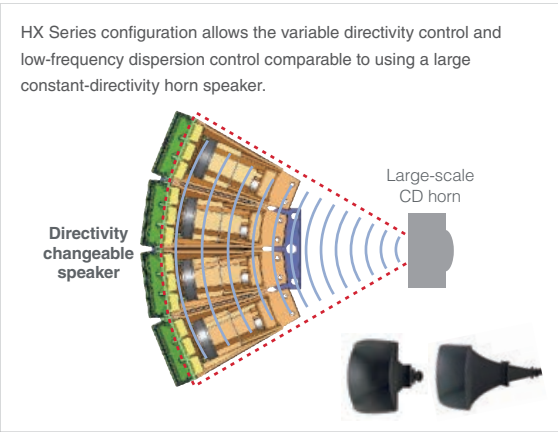
Features of TOA Line Array Speakers

Line Array / Variable Dispersion Array Speaker / **HX-7 & HX-5**

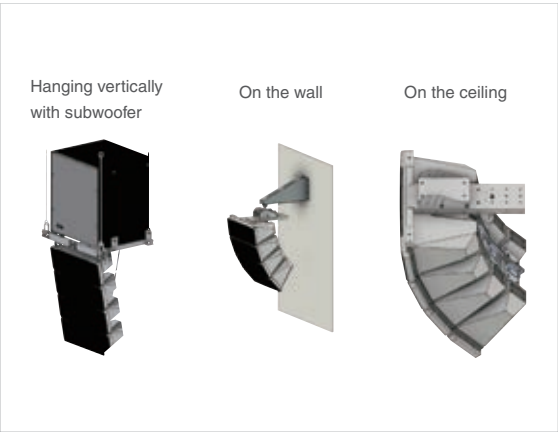
Powerful & Compact variable dispersion line array with flexible installation options.

Thanks to its award-winning enclosure design, employing four modules per unit, the HX Series allows precise adjustment of sound dispersion angles.

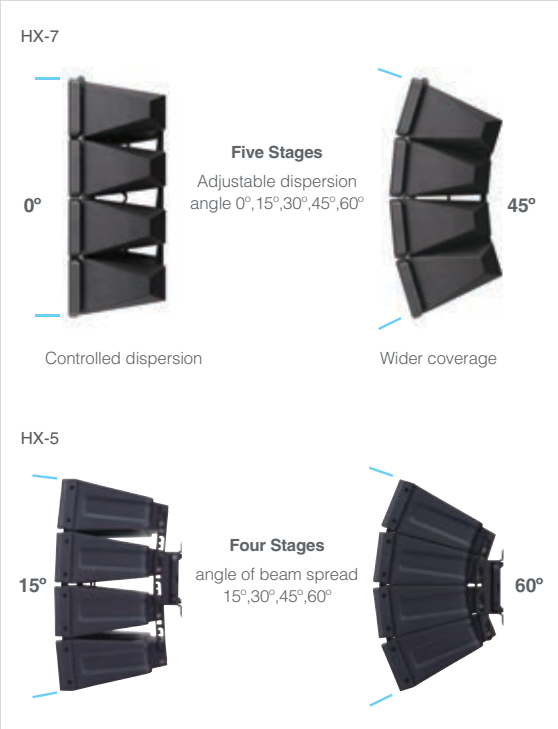
Accurate directivity control



Versatile mounting options



Adjustable Dispersion



Advantage of multi-unit configuration

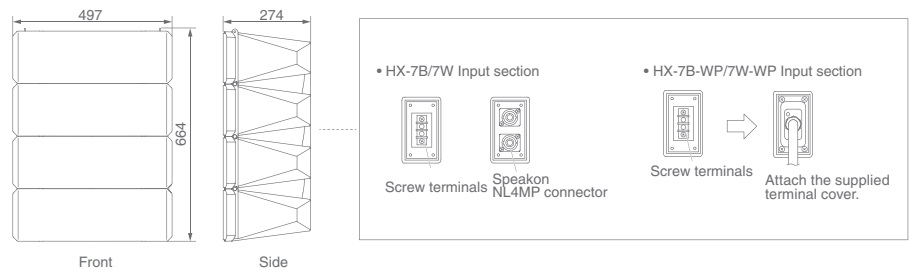


Best solution for acoustically challenging spaces:

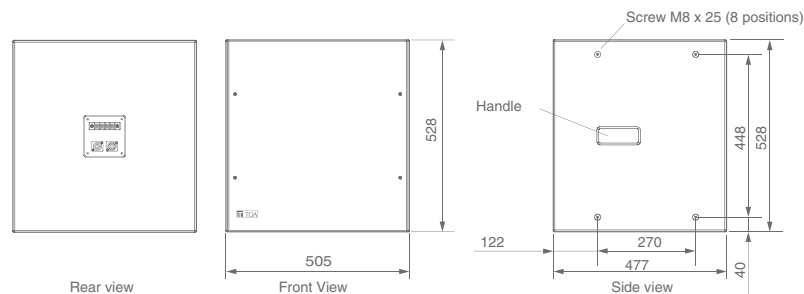
- Sports Venues
- House of Worship
- Concert Halls
- Boardrooms

HX-7

Line Array Speaker | From a Whisper to a Scream



Specifications	HX-7B	HX-7W	HX-7B-WP	HX-7W-WP
Enclosure	Bass-reflex type		Sealed type	
Power Handling Capacity	Continuous pink noise: 250 W (IEC60268-5: 350W) / Continuous program: 750 W			
Rated Impedance	8Ω			
Sensitivity (1 W, 1 m)	100 dB			
Frequency Response	75 Hz – 20 kHz		105 Hz – 20 kHz	
Crossover Frequency	1.7 kHz			
Directivity Angle	Horizontal: 100°, Vertical: Depending on directivity angle mode			
Speaker Component	Low frequency: 13 cm cone-type x 8 High frequency: Wave front control horn with compression driver x 4			
Input Terminal	Speakon NL4MP x 2 and M4 screw terminal, distance between barriers: 9 mm (0.35")		M4 screw terminal, distance between barriers: 9 mm (0.35")	
Water Protection	-		IPX4 (Install with every speaker module tilted downward from the horizontal.)	
Finish	Enclosure: Polypropylene, black or white (HX-7B/W) Punched net: Surface-treated steel plate, black or white (HX-7B/W), paint / Hanging bracket: Steel plate, t3.0, black or white (HX-7B/W), paint		Enclosure: Polypropylene, black or white (HX-7B/W-WP), Punched net: Surface-treated steel plate, black & white (HX-7B/W-WP), rust proof coating	
Dimensions (W x H x D)	497 x 664 x 274 mm			
Weight	30 kg			



Specifications	FB-150B	FB-150W
Power Handling Capacity	Continuous pink noise: 200W / Continuous program: 600W	
Impedance	8 Ω	
Sensitivity (1W, 1m)	93 dB	
Frequency Response	40 Hz – 400 Hz (-10 dB)	
Speaker Component	38 cm cone-type	
Input Terminal	Speakon NL4MP x 2 and M5 screw terminal, distance between barriers: 12.2mm	
Finish	Enclosure: MDF, black or white (FB-150B/W), urethane paint Punched net: Surface-treated steel plate, black & white (FB-150B/W), paint	
Dimensions (W x H x D)	505 x 528 x 477 mm	
Weight	30 kg	

HX-7

Line Array Speaker| From a Whisper to a Scream

Mounting Options

Two speakers connected
HY-CN7W / HY-CN7W-WP /
HY-CN7B / HY-CN7B-WP



On the wall
HY-WM7W / HY-WM7B



Dispersion angle 60 degrees
HY-60DW / HY-60DW-WP /
HY-60DB / HY-60DB-WP



On building structures
HY-TM7W-WP / HY-TM7B-WP



Hanging vertically with subwoofer
HY-PF7W / HY-PF7B



On undereave walls
HY-MS7W-WP / HY-MS7B-WP



On the ceiling
HY-VM7W / HY-VM7B



On the stand
HY-ST7



Accessories

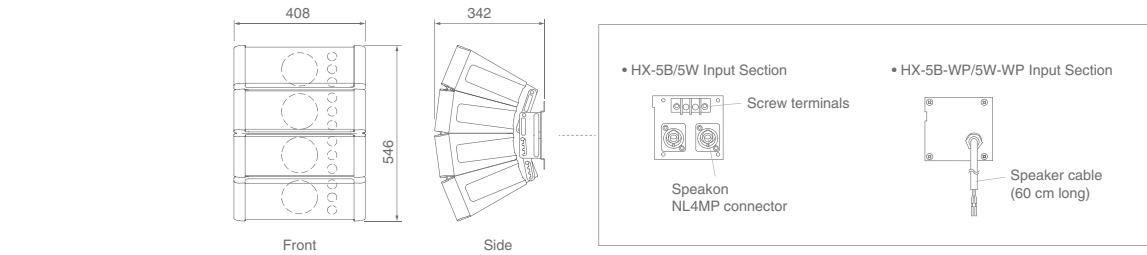
		Article number
	Speaker Connection Bracket, white	HY-CN7W* HY-CN7W-WP
	Speaker Connection Bracket, black	HY-CN7B* HY-CN7B-WP
	Angle Adjustment Bar, white Allows the dispersion angle 60 degrees.	HY-60DW* HY-60DW-WP
	Angle Adjustment Bar, black Allows the dispersion angle 60 degrees.	HY-60DB* HY-60DB-WP
	Rigging Frame, white	HY-PF7W*
	Rigging Frame, black	HY-PF7B*
	Rigging Bracket, white	HY-VM7W*
	Rigging Bracket, black	HY-VM7B*

*Indoor use only

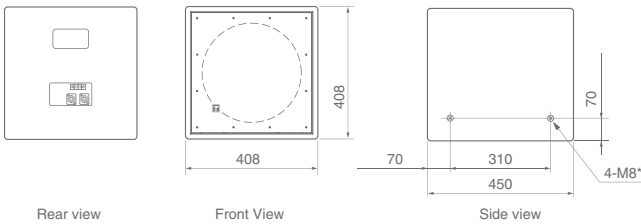
		Article number
	Wall Mounting Bracket, white	HY-WM7W*
	Wall Mounting Bracket, black	HY-WM7B*
	Rigging Bracket, white, outdoor use	HY-TM7W-WP
	Rigging Bracket, black, outdoor use	HY-TM7B-WP
	Wall Mounting Bracket, white, outdoor use	HY-MS7W-WP
	Wall Mounting Bracket, black, outdoor use	HY-MS7B-WP
	Matching Transformer Adapter	HY-MT7
	Speaker Stand Adapter	HY-ST7*

HX-5

Variable Dispersion Array Speaker | Full Area Coverage and Wider Bandwidth Sound



Specifications	HX-5B	HX-5W	HX-5B-WP	HX-5W-WP
Enclosure	Bass-reflex type		Sealed type	
Power Handling Capacity	Continuous pink noise: 200W / Continuous program: 600W			
Rated Impedance	8Ω			
Sensitivity (1W, 1m)	96 dB (60° mode), 97 dB (45° mode), 98 dB (30° mode), 99 dB (15° mode)			
Frequency Response	70 Hz – 20kHz (-10 dB) (60° mode)		95 Hz – 20kHz (-10 dB) (60° mode)	
	75 Hz – 20kHz (-10 dB) (45° mode)		100 Hz – 20kHz (-10 dB) (45° mode)	
	80 Hz – 20kHz (-10 dB) (30° mode)		105 Hz – 20kHz (-10 dB) (30° mode)	
	85 Hz – 20kHz (-10 dB) (15° mode)		110 Hz – 20kHz (-10 dB) (15° mode)	
Crossover Frequency	4kHz			
Directivity Angle	Horizontal: 100° (over 2kHz), Vertical: 60° (over 800Hz), 45° (over 1.2kHz), 30° (over 1.6kHz), 15° (over 3.2kHz) variable			
Speaker Component	Low frequency: 12cm cone-type x 4, High frequency: Balanced dome-type x 12			
Input Terminal	Speakon NL4MP x 2 and M4 screw terminal		-	
Speaker Cord	-		2-core cabtyre cord with diameter of 6mm	
Water Protection	-		IP X4 (Install with every speaker module downward)	
Finish	Enclosure: Polypropylene, black or white / Punched net: Surface-treated steel plate, black or white			
Dimensions (W x H x D)	408 x 546 x 342mm			
Weight	16kg			



Specifications	FB-120B	FB-120W
Rated Input	Continuous pink noise: 200W / Continuous program: 600W	
Impedance	8 Ω	
Sensitivity (1W, 1m)	90 dB at installation in free sound field, 96 dB at installation in 1/2 free sound field	
Frequency Response	40Hz – 1.2kHz (-10 dB)	
Speaker Component	30cm cone-type speaker	
Input Terminal	Speakon NL4MP x 2 and M4 screw terminals	
Finish	Enclosure plywood, metal front grille, black	Enclosure plywood, metal front grille, white
Dimensions (W x H x D)	408 x 408 x 450 mm	
Weight	15kg	

HX-5

Variable Dispersion Array Speaker | Full Area Coverage and Wider Bandwidth Sound

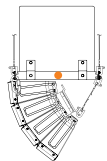
Mounting Options

Hanging horizontally

HY-PF1B / HY-PF1W / HY-PF1WP

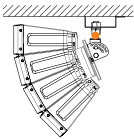


Hanging vertically with subwoofer

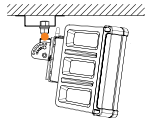


On the ceiling vertically

HY-CW1B / HY-CW1W / HY-CW1WP

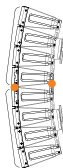


On the ceiling horizontally



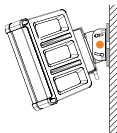
Two speakers connected

HY-CN1B / HY-CN1W / HY-CN1BWP / HY-CN1WWP



On the wall horizontally

HY-WM1B / HY-WM1W / HY-WM1WP

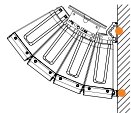


On the wall vertically

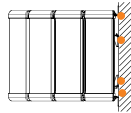


On the wall vertically

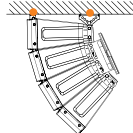
HY-WM2B / HY-WM2W / HY-WM2WP



On the wall horizontally

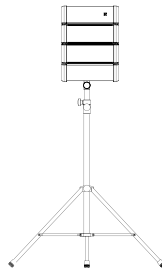


On the ceiling vertically



On the stand

HY-ST1



Accessories

		Article number
	Rigging Frame, black	HY-PF1B*
	Rigging Frame, white	HY-PF1W*
	Rigging Frame, outdoor use	HY-PF1WP
	Ceiling Mounting Bracket, black	HY-CW1B*
	Ceiling Mounting Bracket, white	HY-CW1W*
	Ceiling Mounting Bracket, outdoor use	HY-CW1WP
	Wall Mounting Bracket, black	HY-WM1B*
	Wall Mounting Bracket, white	HY-WM1W*
	Wall Mounting Bracket, outdoor use	HY-WM1WP

*Indoor use only

		Article number
	Wall Mounting Bracket, black	HY-WM2B*
	Wall Mounting Bracket, white	HY-WM2W*
	Wall Mounting Bracket, outdoor use	HY-WM2WP
	Extension Bracket, black	HY-CN1B*
	Extension Bracket, white	HY-CN1W*
	Extension Bracket, outdoor use, black	HY-CN1BWP
	Extension Bracket, outdoor use, white	HY-CN1WWP
	Speaker Stand Adapter	HY-ST1*
	Matching Transformer	MT-200

Recommended Digital Power Amplifiers



DA-1000F

- 650W x 4 channel @ 8Ω
- 1000W x 4 channel @ 4Ω
- 2000W x 2 channel (bridge) @ 8Ω



DA-1250D

- 700W x 2 channel @ 8Ω
- 1250W x 2 channel @ 4Ω
- 2500W x 1 channel (bridge) @ 8Ω



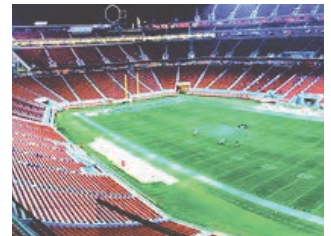
DA-250F

- 170W x 4 channel @ 8Ω
- 250W x 4 channel @ 4Ω
- 500W x 2 channel (bridge) @ 8Ω



DA-550F

- 350W x 4 channel @ 8Ω
- 550W x 4 channel @ 4Ω
- 1100W x 2 channel (bridge) @ 8Ω



Line array speaker is an ideal solution for acoustically challenging venues which have reflective ceiling or highly reverberant space.



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