



F-1000/F-2000 SERIES WIDE-DISPERSION SPEAKER SYSTEM



***Compact and versatile
sound reinforcement solutions***

Compact high performance and unmm

The latest addition to TOA's acclaimed speaker line, the new F-2000 and F-1000 Series of compact, high efficiency two-way speakers achieve higher performance levels for wide range frequency response and power handling.

Designed to be extremely versatile in order to meet different installation and application requirements, the new F-2000 and F-1000 Series are ideal solutions that solve increasing needs for adaptable sound reinforcement.



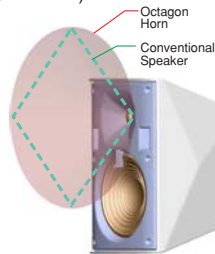
Wide dispersion characteristics

Significantly improved $110^\circ \times 100^\circ$ high-frequency dispersion angle, for better sound coverage and a more even tonal balance.

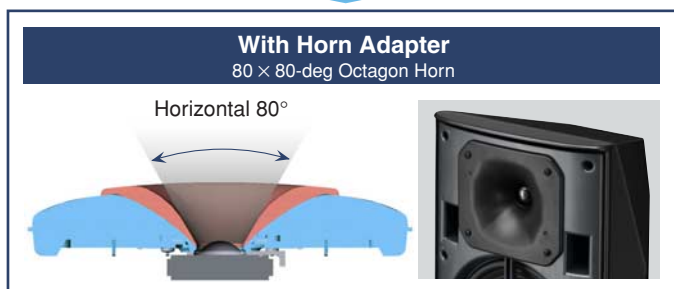
F-2000: $110^\circ \times 100^\circ$ high-frequency horn (Octagon Horn)

F-1000: $90^\circ \times 90^\circ$ high-frequency horn (Octagon Horn)

Easily mountable $80^\circ \times 80^\circ$ dispersion angle horn adapter for the high-frequency driver included (F-2000 only), for applications requiring more controlled dispersion.



•HF Horn Adapter for F-2000

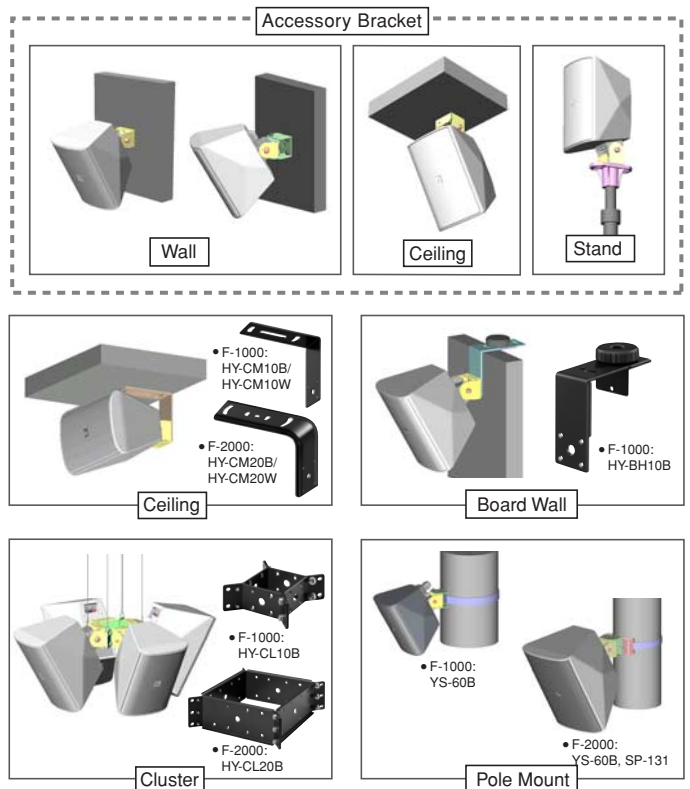


Various mount brackets

Accessory brackets enable a wide variety of installations, for example on walls, ceilings and speaker stands. Moreover, additional available brackets make even more demanding installations possible.

Stylish and highly rigid speaker casing design

The F Series speaker casing comes with a design that is highly



atched installation versatility.



F-1000B/BT



F-1000W/WT



F-2000B/BT



F-2000W/WT



stylish, so it blends well into a room's decor and can be attractively installed. The graceful, lightly convex bulge on the side of the casing is also part of a rigidity-enhancing casing construction that works for clear sound reproduction.

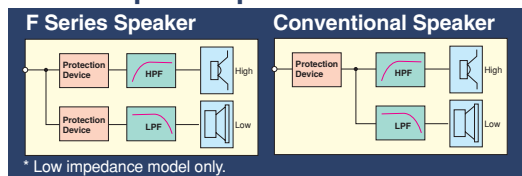
For any environment

The F Series also features a waterproof design (meets IP-X4 splash-proof ratings) that allows versatile installations including outdoor.

The speakers may also be re-painted as desired.



Built-in speaker protection



Impedance matching

For optimal amplifier/speaker performance, a conveniently located rotary switch on the speaker's rear panel allows various impedance settings to be quickly made.



Easy connecting

Push-in terminals allow quick connections.



SPECIFICATIONS

Model No.	F-1000B	F-1000W	F-1000BT	F-1000WT	F-1000BTWP	F-1000WTWP
Enclosure Type	Bass-reflex type					
Power Handling Capacity	30 W (continuous pink noise) 90 W (continuous program)		—			
Rated Input	—		15 W			
Rated Impedance	8 Ω		100V line: 670Ω (15W), 2 kΩ (5W), 3.3 kΩ (3W), 10 kΩ (1W) 70V line: 330Ω (15W), 670Ω (7.5W), 2 kΩ (2.5W), 3.3 kΩ (1.5W), 10 kΩ (0.5W)			
Sensitivity	87 dB (1W, 1m) at installation in 1/2 free sound field					
Frequency Response	85 – 20,000 Hz, -10 dB at installation in 1/2 free sound field					
Crossover Frequency	5 kHz					
Directivity Angle	Horizontal: 90°, Vertical: 90°					
Speaker Component	Low frequency: 10 cm (4") cone-type High frequency: Balanced dome tweeter					
Input Terminal	Push-in terminal					
Water Protection	—				IPX4	
Operating Temperature	—				-10°C to +50°C (14°F to 122°F)	
Finish	Enclosure: HIPS, black	Enclosure: HIPS, white	Enclosure: HIPS, black	Enclosure: HIPS, white	Enclosure: HIPS, black	Enclosure: HIPS, white
Dimensions	130 (W) × 202 (H) × 131 (D) mm (5.12" × 7.95" × 5.16")					
Weight	1.8 kg (3.97 lb) (including the supplied brackets)				2 kg (4.41lb) (including the supplied brackets)	
Accessories	Speaker bracket × 1, Joint bracket × 1, Wall bracket × 1, Bracket fixing screw × 1 set				Speaker bracket × 1, Joint bracket × 1, Wall bracket × 1, Bracket fixing screw × 1 set, Terminal cover × 1, Terminal cover mounting screw × 4	
Option	Board hanger bracket: HY-BH10B Ceiling mount bracket: HY-CM10B Cluster bracket: HY-CL10B Speaker stand: ST-16A	Board hanger bracket: HY-BH10B Ceiling mount bracket: HY-CM10W Cluster bracket: HY-CL10B Speaker stand: ST-16A	Board hanger bracket: HY-BH10B Ceiling mount bracket: HY-CM10B Cluster bracket: HY-CL10B Speaker stand: ST-16A	Board hanger bracket: HY-BH10B Ceiling mount bracket: HY-CM10W Cluster bracket: HY-CL10B Speaker stand: ST-16A	Speaker mount bracket: YS-60B	
Recommended Subwoofer	HB-1, FB-10, FB-100					

Model No.	F-2000B	F-2000W	F-2000BT	F-2000WT	F-2000BTWP	F-2000WTWP
Enclosure Type	Bass-reflex type					
Power Handling Capacity	60 W (continuous pink noise) 180 W (continuous program)		—			
Rated Input	—		60 W			
Rated Impedance	8 Ω		100V line: 170Ω (60W), 330 Ω (30W), 670 Ω (15W), 3.3 kΩ (3W) 70V line: 83Ω (60W), 170Ω (30W), 330 Ω (15W), 670 Ω (7.5W), 3.3 kΩ (1.5W)			
Sensitivity	92 dB (1W, 1m) at installation in 1/2 free sound field 93 dB (1W, 1m) at installation in 1/2 free sound field (with horn adapter)					
Frequency Response	65 - 20,000 Hz, -10 dB at installation in 1/2 free sound field					
Crossover Frequency	2.5 kHz					
Directivity Angle	Horizontal: 110°, Vertical: 100° Horizontal: 80°, Vertical: 80° (with horn adapter)					
Speaker Component	Low frequency: 20 cm (8") cone-type High frequency: 25 mm (1") dome tweeter					
Input Terminal	Push-in terminal					
Water Protection	—				IPX4	
Operating Temperature	—				-10°C to +50°C (14°F to 122°F)	
Finish	Enclosure: HIPS, black	Enclosure: HIPS, white	Enclosure: HIPS, black	Enclosure: HIPS, white	Enclosure: HIPS, black	Enclosure: HIPS, white
Dimensions	244 (W) × 373 (H) × 235 (D) mm (9.61" × 14.69" × 9.25")					
Weight	6.5 kg (14.33 lb) (including the supplied brackets)			7.4 kg (16.31lb) (including the supplied brackets)		
Accessories	Speaker bracket × 1, Joint bracket × 1, Wall bracket × 1, Bracket fixing screw × 1 set, Horn adapter × 1, Horn adapter mounting screw × 4				Speaker bracket × 1, Joint bracket × 1, Wall bracket × 1, Bracket fixing screw × 1 set, Horn adapter × 1, Horn adapter mounting screw × 4, Terminal cover × 1, Terminal cover mounting screw × 4	
Option	Ceiling mount bracket: HY-CM20B Cluster bracket: HY-CL20B Speaker stand: ST-16A	Ceiling mount bracket: HY-CM20W Cluster bracket: HY-CL20B Speaker stand: ST-16A	Ceiling mount bracket: HY-CM20B Cluster bracket: HY-CL20B Speaker stand: ST-16A	Ceiling mount bracket: HY-CM20W Cluster bracket: HY-CL20B Speaker stand: ST-16A	Speaker mount bracket: SP-131, YS-60B	
Recommended Subwoofer	FB-100, FB-120B/W					

Recommended Optional Subwoofers



HB-1
For F-1000 Series



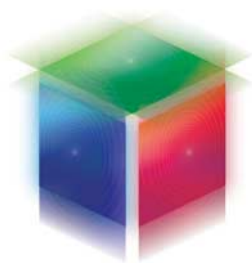
FB-10
For F-1000 Series



FB-100
For F-1000 Series
and F-2000 Series



FB-120B/FB-120W
For F-2000 Series



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