TOA

F SERIES
WIDE-DISPERSION
SPEAKER SYSTEM

Compact and versatile
sound reinforcement solutions

Compact high performance and un

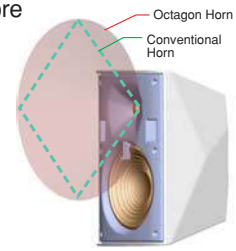
The latest addition to TOA's acclaimed speaker line, the new F Series of compact, high efficiency two-way speakers achieve higher performance levels for wide range frequency response and power handling. Designed to be extremely versatile in order to meet different installation and application requirements, the new F Series are ideal solutions that solve increasing needs for adaptable sound reinforcement.

Innovative octagonal horn provides wide dispersion

Significantly improved 110° × 100° high-frequency dispersion angle, for better sound coverage and a more even tonal balance.

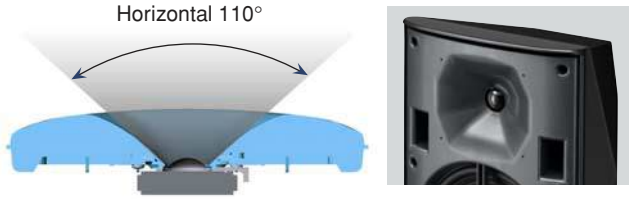
F-2000: 110° × 100°
F-1300: 110° × 100°
F-1000: 90° × 90°

Easily mountable adapter included (F-2000 only), for applications requiring more controlled dispersion.

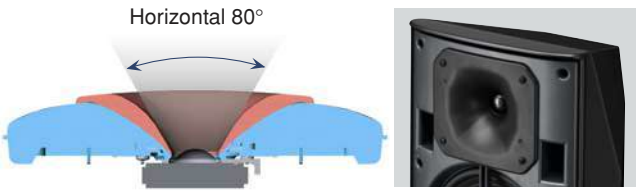


•HF Horn Adapter for F-2000

Without Horn Adapter
110 × 100-deg Octagon Horn



With Horn Adapter
80 × 80-deg Octagon Horn



matched installation versatility.

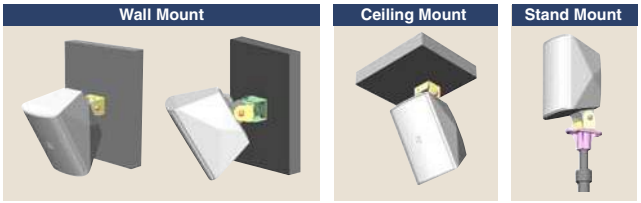
Various mount brackets

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 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.

Accessory brackets enable:



Optional Accessories

Ceiling Mount

- for F-1000/1300 Series

HY-CM10W
• Indoor use only

HY-CM10B

- for F-2000 Series

HY-CM20W

HY-CM20B

Cluster Mount

- for F-1000/1300 Series

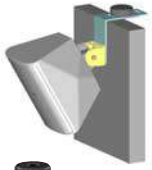
HY-CL10B
• Indoor use only

- for F-2000 Series

HY-CL20B

Board Wall Mount

- for F-1000/1300 Series



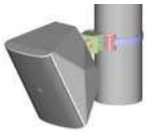
HY-BH10B
• Indoor use only

Pole Mount

- for F-1000/1300 Series

YS-60B

- for F-2000 Series



YS-60B + SP-131

Speaker Stand

ST-16A
• Indoor use only

Recommended Optional Subwoofers

HB-1

FB-10

FB-100

FB-120B / FB-120W

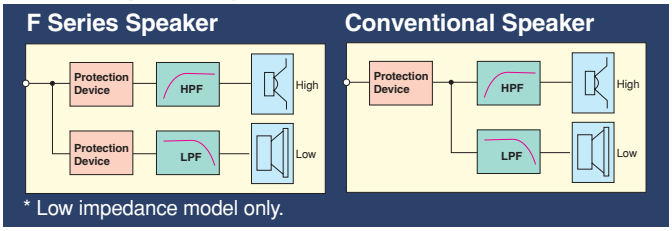
for F-1300/2000 Series

for F-1000 Series

For any environment

The F Series also features a waterproof design. The speakers may also be re-painted as desired.

Built-in speaker protection



* Low impedance model only.

Impedance matching

for optimal amplifier/speaker performance.

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		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)		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: 90º, Vertical: 90º					
Speaker Component	Low frequency: 10 cm (4") cone-type High frequency: Balanced dome tweeter					
Input Terminal	Push-in terminal					
Water Protection	—				Equivalent to 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	

Model No.	F-1300B	F-1300W	F-1300BT	F-1300WT	F-1300BTWP	F-1300WTWP
Enclosure Type	Bass-reflex type					
Power Handling Capacity	50 W (continuous pink noise) 150 W (continuous program)		—			
Rated Input	—		30 W			
Rated Impedance	8 Ω		8 Ω 100V line: 330Ω (30W), 1 kΩ (10W), 3.3 kΩ (3W), 10 kΩ (1W) 70V line: 170Ω (30W), 330Ω (15W), 1 kΩ (5W), 3.3 kΩ (1.5W), 10 kΩ (0.5W)		100V line: 330Ω (30W), 1 kΩ (10W), 3.3 kΩ (3W), 10 kΩ (1W) 70V line: 170Ω (30W), 330Ω (15W), 1 kΩ (5W), 3.3 kΩ (1.5W), 10 kΩ (0.5W)	
Sensitivity	90 dB (1W, 1m) at installation in 1/2 free sound field					
Frequency Response	80 – 20,000 Hz, -10 dB at installation in 1/2 free sound field					
Crossover Frequency	2 kHz					
Directivity Angle	Horizontal: 110º, Vertical: 100º					
Speaker Component	Low frequency: 13 cm (5") cone-type High frequency: 25 mm (1") dome tweeter					
Input Terminal	Push-in terminal					
Water Protection	—				Equivalent to 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	162 (W) × 250 (H) × 161 (D) mm (6.38" × 9.84" × 6.34")					
Weight	3.1 kg (6.83 lb) (including the supplied brackets)		3.6 kg (7.94 lb) (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	

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		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)		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: 110º, Vertical: 100º Horizontal: 80º, Vertical: 80º (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	—				Equivalent to 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 x 1, Horn adapter mounting screw x 4				Speaker bracket × 1, Joint bracket × 1, Wall bracket × 1, Bracket fixing screw × 1 set, Horn adapter x 1, Horn adapter mounting screw x 4, Terminal cover x 1,Terminal cover mounting screw × 4	

Human Society with
Sound & Communication

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Specifications are subject to change without notice.
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