



F SERIES WIDE-DISPERSION SPEAKER SYSTEM



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

Compact high performance and un



F-2000



F-1300



F-1000

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

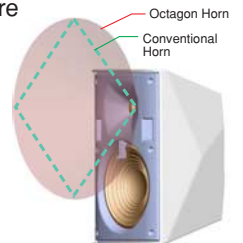
Significantly improved $110^\circ \times 100^\circ$ high-frequency dispersion angle, for better sound coverage and a more even tonal balance.

F-2000: $110^\circ \times 100^\circ$

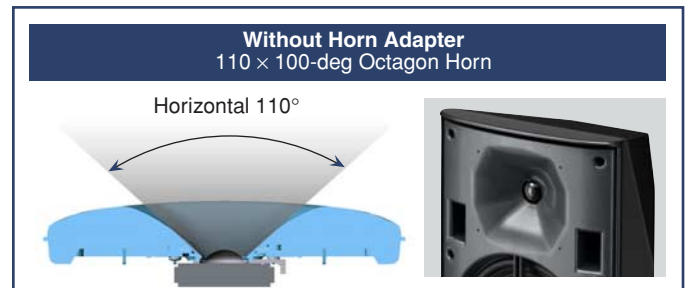
F-1300: $110^\circ \times 100^\circ$

F-1000: $90^\circ \times 90^\circ$

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



•HF Horn Adapter for F-2000



matched installation versatility.

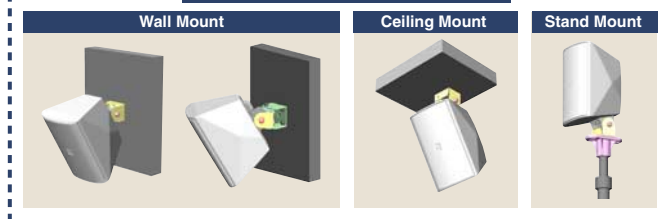
Various mount brackets

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.

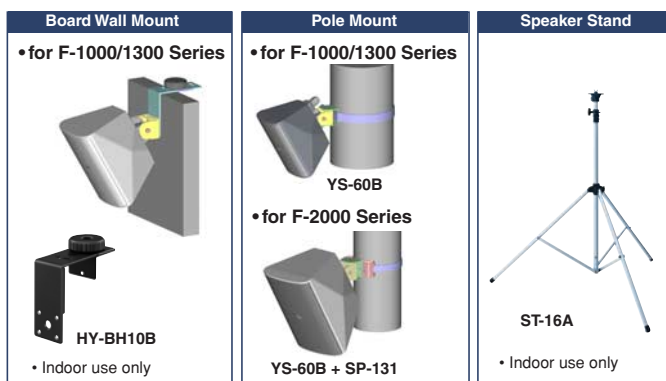
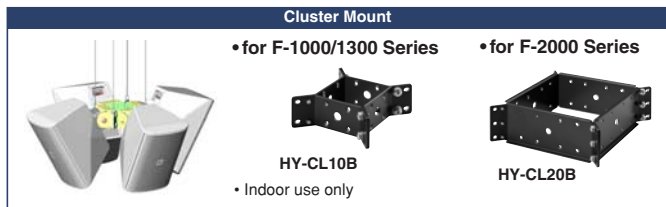
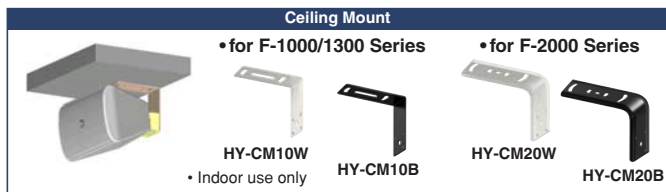
Stylish and highly rigid speaker casing design

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



Recommended Optional Subwoofers

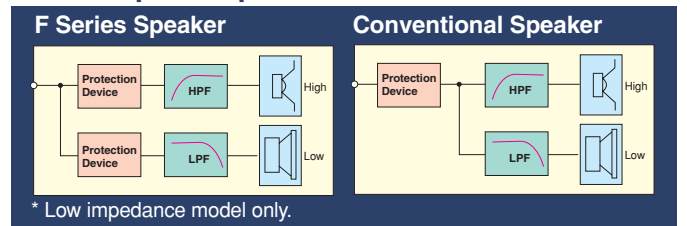


For any environment

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



Built-in speaker protection



Impedance matching

for optimal amplifier/speaker performance.



Easy connecting

Push-in terminals allow quick connections.

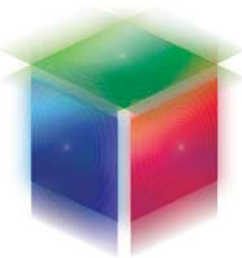


SPECIFICATIONS

| 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: 90°, Vertical: 90° | | | | | |
| 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 (4.41 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-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: 110°, Vertical: 100° | | | | | |
| 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: 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 | — | | | 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 (16.31 lb) (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 | |



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Sound & Communication

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