

F SERIES WIDE-DISPERSION SPEAKER SYSTEM



Compact and versatile sound reinforcement solutions

Compact high performance and un

F-2000

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 ______Octagon Horn

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F-1000

Conventional Horn

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

F-1300





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.



Recommended Optional Subwoofers





for F-1300/200



For any environment

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



Built-in speaker protection

F Series Speaker	Conventional Speaker					
Protection Device HPF High	Protection Device					
Protection Device	LPF					
* 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		continuous pink noise) (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	— Equivalent to IPX4				ivalent to IPX4		
Operating Temperature	-			-10°C to -	-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 × 1, Terminal cover × 4				$v \times 1$ set, Terminal cover $\times 1$,		

Model No.	F-1300B	F-1300W	F-1300BT	F-1300WT	F-1300BTWP	F-1300WTWP
Enclosure Type	Bass-reflex type					
Power Handling Capacity		(continuous pink noise) V (continuous program)	— —			
Rated Input	— 30 W					
Rated Impedance		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)			
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 -	-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) 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: 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					uivalent to IPX4		
Operating Temperature	-			-10°C to	-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 b				pplied 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			Bracket Horn adapter x 1, H	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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