

TOA Commercial Sound Speakers

Ceiling Speakers

Flush Mount Type Ceiling Speakers

	PC-1869	PC-2369	PC-2852	PC-2869	PC-648R	PC-658R
						
Rated Input (100V line)	6W	6W	15W	6W	6W	6W
Rated Impedance	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 670Ω, 1kΩ, 2kΩ, 3.3kΩ 70V line: 330Ω, 670Ω, 1kΩ, 2kΩ, 3.3kΩ	100V line: 1.7kΩ, 3.3kΩ, 10kΩ 70V line: 1.7kΩ, 3.3kΩ, 10kΩ	100V line: 1.7kΩ, 3.3kΩ, 10kΩ 70V line: 1.7kΩ, 3.3kΩ, 10kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ
Sensitivity (1W, 1m)	90 dB	93dB	96dB	94dB	90 dB	90 dB
Frequency Response	55 – 18,000 Hz	45 – 20,000 Hz	45 – 20,000 Hz	40 – 20,000 Hz	100 – 18,000 Hz	65 – 18,000 Hz
Mounting Hole Diameter	ø150 +/-3 mm	ø200 +/-3 mm	ø250 +/-3 mm	ø250 +/-3 mm	ø145 +/-5 mm	ø170 +/-5 mm
Speaker Component	12cm cone-type	16cm double cone-type	20cm coaxial cone-type	20cm double cone-type	12cm cone-type	16cm cone-type
Finish		Frame: Steel plate, off-white/Grille: Surface-treated steel plate net, off-white				
Dimensions	ø180 x 72(D) mm	ø230 x 79 (D) mm	ø280 x 92(D) mm	ø280 x 92(D) mm	ø168 x 77(D) mm	ø192 x 73(D) mm
Weight	620g	780g	1.6kg	1.4kg	470g	500g
Features		• Flush-mount type • New SUS spring clamp installation method • Low profile design				

Surface Mount Type Ceiling Speakers

	PC-2268	PC-2268WP	PC-2668	PC-3CL	PC-3WR	PC-1867F	PC-1867FC	PC-129
								
Rated Input (100V line)	6W	6W	3W	3W, 1W	3W, 1W	6W	6W	1W
Rated Impedance	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ 70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 3.3kΩ, 10kΩ 70V line: 3.3kΩ, 10kΩ	100V line: 3.3kΩ, 10kΩ 70V line: 3.3kΩ, 10kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	10kΩ
Sensitivity (1W, 1m)	90 dB	90 dB	90 dB	87 dB	88 dB	90 dB	90 dB	100 dB
Frequency Response	160 – 14,000 Hz	100 – 16,000 Hz	100 – 16,000 Hz	100 – 20,000 Hz	180 – 20,000 Hz	100 – 16,000 Hz	160 – 13,000 Hz	500 – 8,000 Hz
Mounting Hole Diameter	—	—	—	ø100 mm	ø150 mm	ø156 mm +/-3 mm	ø156 mm +/-3 mm	ø130 mm
Speaker Component	12cm cone-type	12cm dynamic cone-type	12cm dynamic cone-type	—	8cm cone-type	12cm cone-type	12cm cone-type	—
Finish	Frame: Fire-resistant HIPS resub/Grille: Fire-resistant HIPS resub		Frame: ABS resin, off-white Grille: ABS resin, off-white	Frame: Alloy-coated ABS resin/Grille: Stainless steel punching net		Frame: Aluminum, off-whit/Grille: Aluminum net, off-white		Frame: Incombustible used (Aluminum), off-white
Dimensions	ø220 x 80.5 (D)mm	ø220 x 80.5 (D)mm	ø260 x 202 (D) mm	ø190 x 104.5 (D)mm	ø180 x 120 (D) mm	ø180 x 121(D) mm	ø186 x 140 (D) mm	—
Weight	880g	890g	820g	550g	700g	1.4kg	1.4kg	1.6kg
Features	• Surface-mount type	• Surface-mount type • Complies with IPX4	• Surface-mount type	• Splash-proof, flush-mount type • Suitable for Shower rooms and Steam sauna rooms • Complies with IP64	• Splash-proof, flush-mount type • Suitable for Shower rooms and Indoor pools • Complies with IP64	• Flush-mount type • An iron-made dome	• Flush-mount type • An iron-made dome • Complies with British Standard BS 5839-8	• Withstands 380°C air current for 15 minutes

Separate Type with Spring Catch Speakers

	CM-760 + CP-73	CM-760 + CP-77	CM-960 + CP-93	CM-960 + CP-97
				
Rated Input (100V line)	6W	6W	6W	6W
Rated Impedance	1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ; internal wiring must be changed)	1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ; internal wiring must be changed)	1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ; internal wiring must be changed)	1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ; internal wiring must be changed)
Sensitivity (1W, 1m)	90 dB	92 dB	92 dB	92 dB
Frequency Response	100 – 16,000 Hz	100 – 16,000 Hz	100 – 16,000 Hz	100 – 12,000 Hz
Speaker Component	12cm dynamic cone-type	16cm dynamic cone-type	16cm dynamic cone-type	16cm dynamic cone-type
Mounting Hole Diameter	ø150 mm +/-3 mm	ø150 mm +/-3 mm	ø200 mm +/-3 mm	ø200 mm +/-3 mm
Finish	Unit: Fire-resistant, high-impact styrene resin/Grille: Aluminum net		Unit: Fire-resistant, high-impact styrene resin/Grille: Aluminum net ct styrene resin	
Weight	630g	630g	850g	850g
Dimensions	CM-760: 215(W) x 134(H) x 89(D)mm CP-73: ø180 x 16.5(D)mm (ABS resin frame)	CM-760: 215(W) x 134(H) x 89(D)mm CP-77: ø180 x 16.5(D)mm (Metal frame)	CM-960: 230(W) x 174(H) x 106.5(D)mm CP-93: ø230 x 18(D)mm (ABS resin frame)	CM-960: 230(W) x 174(H) x 106.5(D)mm CP-97: ø230 x 18(D)mm (Metal frame)
Features		• Separate type • Coil spring catch installation method		

Box Speakers

Wall Mount Box Speakers

	BS-634	BS-634T	BS-1034	BS-1034S	BS-680F	BS-680FC
						
Rated Input (100V line)	6W	6W	10W	10W	6W	6W
Rated Impedance	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1kΩ, 2kΩ, 3.3kΩ, 10kΩ/70V line: 500Ω, 1kΩ, 2kΩ, 3.3kΩ, 10kΩ	100V line: 1kΩ, 2kΩ, 3.3kΩ, 10kΩ/70V line: 500Ω, 1kΩ, 2kΩ, 3.3kΩ, 10kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.3kΩ, 6.7kΩ, 13kΩ
Sensitivity (1W, 1m)	90 dB	90 dB	90 dB	90 dB	94 dB	94 dB
Frequency Response	120 – 18,000 Hz	120 – 18,000 Hz	120 – 18,000 Hz	120 – 18,000 Hz	150 – 20,000 Hz	150 – 20,000 Hz
Speaker Component	12cm cone-type	12cm cone-type	Low: 12cm cone-type, High: Balance dome-type	12cm cone-type	16cm double cone-type	16cm double cone-type
Finish	Enclosure: HIPS resin, off-white/Grille: Surface-treated steel plate net, off-white		Enclosure: HIPS resin, off-white Grille: Steel plate net, off-white		Enclosure: Steel plate, off-white/Grille: Stainless steel punching net, off-white	
Dimensions	210(W) x 190(H) x 80(D)mm	210(W) x 190(H) x 80(D)mm	210(W) x 330(H) x 80(D) mm	210(W) x 330(H) x 80(D) mm	310(W) x 190(H) x 87.2(D) mm	310(W) x 190(H) x 87.2(D) mm
Weight	1.3kg	1.3kg	2.6kg	2.6kg	2.6kg	2.6kg
Features	• Low profile and fashionable shape • Equipped with selectable attenuation	• Low profile and fashionable shape	• Low profile and fashionable shape	• Low profile and fashionable shape	• Wall-in-wall mounting type • Strong all-metal body	• Wall-in-wall mounting type • Strong all-metal body • Complies with British Standard BS 5839-8

	BS-678/BS-678B	BS-678T/BS-678BT	BS-633A	BS-633AT	BS-1030B/BS-1030W
					
Rated Input (100V line)	6W	6W	6W	6W	30W
Rated Impedance	100V line: 1.7kΩ, 3.4kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.4kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.4kΩ, 6.7kΩ, 13kΩ/70V line: 1.7kΩ, 3.4kΩ, 6.7kΩ, 13kΩ	100V line: 1.7kΩ, 3.3kΩ, 10kΩ/70V line: 1.7kΩ, 3.3kΩ, 10kΩ	100V line: 1.7kΩ, 3.3kΩ/70V line: 1.7kΩ, 3.3kΩ	80/100V line: 330Ω, 500Ω, 200kΩ, 670Ω, 1kΩ, 2kΩ/70V line: 170Ω, 250Ω, 330Ω, 500Ω, 1kΩ
Sensitivity (1W, 1m)	94 dB	94 dB	91 dB	91 dB	90 dB
Frequency Response	150 – 20,000 Hz	150 – 20,000 Hz	120 – 15,000 Hz	120 – 15,000 Hz	80 – 20,000 Hz
Speaker Component	16cm double cone-type	16cm double cone-type	12cm cone-type	12cm cone-type	12cm dynamic cone-type + dome-type
Finish	Enclosure: Wood, off-white or black/Grille: Surface-treated steel plate net, off-white or black		Enclosure: ABS resin, off-white/Grille: ABS resin, off-white		Enclosure: ABS resin, black or white/Grille: Surface treated steel plate, black or white, powder coating
Dimensions	250(W) x 190(H) x 110(D)mm	250(W) x 200(H) x 110(D)mm	173(W) x 195(H) x 101(D)mm	173(W) x 195(H) x 101(D)mm	196 (W) x 290 (H) x 150 (D) mm
Weight	1.7kg	1.7kg	780g	810g	2.5kg
Features	• High cost-performance	• High cost-performance • Equipped with matching transformer	• High cost-performance	• High cost-performance • Equipped with matching transformer	• Complies with IPX4 • High or low impedance switchable

Compact Satellite Speaker System

	BS-301B (Black)/BS-301W (White)
	
Power Handling Capacity	Continuous program: 160W* x 2 channels/Continuous pink noise: 80W* x 2 channels
Sensitivity	81dB (1W, 1m) * x 2 channels
Frequency Response	40 – 20,000Hz* x 2 channels
Weight	13.9kg (excluding mounting bracket)
Subwoofer	Speaker components: 16cm cone-type x 2 channels / Finish: Front panel: ABS resin, Enclosure: Wood, Speaker bracket; steel plate
Dimensions	210 (W) x 390 (H) x 563 (D)mm / Weight: 11.3kg (excluding mounting bracket)
Satellite Speaker	Speaker component: 8cm cone-type / Finish: Enclosure, Front panel: HIPS resin, Speaker bracket; steel plate
Dimensions	92 (W) x 97.5 (H) x 100 (D)mm / Weight: 600g (excluding mounting bracket)
Product Composition	Subwoofer x 1, Satellite speaker x 4
Accessory	Subwoofer mounting bracket (black or white) x 4, Rubber foot and fixing screw for subwoofer x 4, Satellite speaker mounting screw x 1 set, Satellite speaker mounting bracket (black or white) x 6, Satellite speaker mounting screw and plain washer and spring washer x 1 set, Sticker for satellite speaker (black or white) Y 8
* Overall characteristics measured in a set configuration of a subwoofer (L or R channel) and 2 satellite speakers	

TOA Corporation

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Horn Speakers

Separate Type Horn Speaqkers

	TH-650	TH-660	TU-631	TU-651	TU-631M	TU-651M
						
Rated Input	110 dB*	110 dB*	30W	50W	30W	50W
Rated Impedance	200 – 6,000 Hz*	200 – 6,000 Hz*	16Ω	16Ω	100V line: 330Ω, 670Ω, 1kΩ, 2kΩ 70V line: 170Ω, 330Ω, 670Ω, 1kΩ, 2kΩ	100V line: 200Ω, 330Ω, 670Ω 70V line: 100Ω, 200Ω, 330Ω, 670Ω
Sensitivity (1W, 1m)	110 dB*	110 dB*	110 dB*	110 dB*	110 dB*	110 dB*
Frequency Response	150 – 6,000 Hz **	150 – 6,000 Hz **	150 – 6,000 Hz **	150 – 6,000 Hz **	150 – 6,000 Hz **	150 – 6,000 Hz **
Finish	Horn flare: Aluminum, off-white, powder coating/Bracket: Steel, gray, powder coating					Flange: Aluminum, gray, powder coating/Rear cover: ABS resin, gray/Screws: Stainless steel
Dimensions	ø500 – 394 (D) mm	ø600 – 425 (D) mm	ø139 x 106 (D)mm	ø139 x 106 (D)mm	ø139 x 149 (D)mm	ø139 x 149 (D)mm
Weights	2.9kg	3.6kg	1.9kg	1.9kg	1.9kg	2.7kg
Dust/Water Protection	IP65**	IP65**	IP65**	IP65**	IP65**	IP65**
Operating Temperature	-20°C to +60°C	-20°C to +55°C	-20°C to +60°C	-20°C to +55°C	-20°C to +60°C	-20°C to +55°C
Features	• Reflex horn designed to be used in conjunction with an optional single driver unit					• Designed to be used in conjunction with an optional horn speaker • Driver unit with transformer

*When operated with TU-631/631M/651/651M driver unit.

**When operated with TH-650 and TH-660.

Combination Type Reflex Horn Speakers

	TC-615	TC-631	SC-610	SC-615	SC-630	SC-651
						
Rated Input	15W	30W	15W	15W	30W (8Ω)	50W
Rated Impedance	8Ω	16Ω	8Ω	8Ω	6Ω	16Ω
Sensitivity (1W, 1m)	108 dB	110 dB	110 dB	112 dB	113 dB	109 dB
Frequency Response	250 – 7,000 Hz	200 – 6,000 Hz	315 – 12,500 Hz	280 – 12,500 Hz	250 – 10,000 Hz	250 – 6,000Hz
Finish	Horn flare: Aluminum, off-white, powder coating/Reflector horn: ABS resin, off-white Bracket holder: Aluminum, gray, powder coating/Bracket: Steel, gray, powder coating					
Dimensions	ø400(W) x 376(D) mm	ø500 (W) x 463(D) mm	172 (W) x 161 (H) x 188 (D) mm	222 (W) x 179 (H) x 234 (D) mm	285 (W) x 227 (H) x 277 (D) mm	430 (W) x 297.5 (H) x 327 (D) mm
Weight	3kg	4.1kg	1.1kg	1.1kg	1.7kg	3.4kg
Dust/Water Protection	IP65	IP65	IP65	IP65	IP65	IP65
Operating Temperature	-20°C to +55°C	-20°C to +60°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Features	• Shock-resistant aluminum round horn	• Shock-resistant aluminum round horn • Heat-resistant polyimide diaphragms	• Reflex horn designed to be used • Wetherproof reflex horn	• Shock-resistant aluminum oval horn • Heat-resistant polyimide diaphragm	• Shock-resistant aluminum oval horn	• Shock-resistant aluminum oval horn • Heat-resistant polyimide diaphragm

						
	TC-615M	TC-631M	TC-651M	SC-610M	SC-615M	SC-630M
Rated Input (100V line)	15W	30W	30W	10W	15W	30W
Rated Impedance	100V line: 670Ω, 1kΩ, 2kΩ, 3.3kΩ 70V line: 330Ω, 670Ω, 1kΩ, 2kΩ, 3.3kΩ	100V line: 330Ω, 670Ω, 1kΩ, 2kΩ 70V line: 170Ω, 330Ω, 670Ω, 1kΩ, 2kΩ	100V line: 200Ω, 330Ω, 670Ω 70V line: 100Ω, 200Ω, 330Ω, 670Ω	100V line: 1kΩ, 2kΩ, 3.3kΩ, 10kΩ 70V line: 500Ω, 1kΩ, 2kΩ, 3.3kΩ, 10kΩ	100V line: 670Ω, 1kΩ, 2kΩ, 3.3kΩ 70V line: 330Ω, 670Ω, 1kΩ, 2kΩ, 3.3kΩ	100V line: 330Ω, 670Ω, 1kΩ, 2kΩ 70V line: 170Ω, 330Ω, 670Ω, 1kΩ, 2kΩ
Sensitivity (1W, 1m)	108 dB	110 dB	111 dB	110 dB	112 dB	113 dB
Frequency Response	250 – 7,000 Hz	200 – 6,000 Hz	200 – 6,000 Hz	315 – 12,500 Hz	280 – 12,500 Hz	250 – 10,000 Hz
Finish	Horn flare: Aluminum, off-white, powder coating/Reflector horn: ABS resin, off-white Bracket holder: Aluminum, gray, powder coating/Bracket: Steel, gray, powder coating					
Dimensions	ø400(W) x 378(D) mm	ø500 (W) x 463(D) mm	ø400 (W) x 376(D) mm	172 (W) x 161 (H) x 188 (D) mm	222 (W) x 179 (H) x 234 (D) mm	285 (W) x 227 (H) x 277 (D) mm
Weight	3.2kg	4.5kg	4kg	1.2kg	1.3kg	2kg
Dust/Water Protection	IP65	IP65	IP65	IP65	IP65	IP65
Operating Temperature	-20°C to +55°C	-20°C to +60°C	-20°C to +60°C	-20°C to +55°C	-20°C to +55°C	-20°C to +55°C
Features	• Shock-resistant aluminum round horn	• Shock-resistant aluminum round horn • Heat-resistant polyimide diaphragms	• Shock-resistant aluminum round horn • Heat-resistant polyimide diaphragms	• Shock-resistant aluminum oval horn	• Shock-resistant aluminum oval horn	• Shock-resistant aluminum oval horn



Pro Sound Speakers

Line Array Speaker Systems

Type A Series

					
SR-A12L/A12LWP	SR-A12S/A12SWP	SR-A18B	SR-C8L/C8LWP	SR-C8S/C8SWP	SR-C15B/C15BWP
Continuous program: 450W (Low)/180W (High) 8Ω (Low)/16Ω (High) 98dB (Low)/110dB (High) 50 – 20,000Hz Low: 30cm cone-type, High: Wave front control horn 90° (hor.)/5° (ver.) +compression driver × 2 Enclosure: (SR-A12L/A12S) Plywood, black paint/Punched net: Steel plate, black, acrylic paint Enclosure: (SR-A12LWP/A12SWP) Plywood, black, urethane coating/Punched net: Stainless steel (SUS304), black, paint 740 (W) × 433 (H) × 469(D) mm 49kg (including accessories) SR-A12LWP: IPX4	Continuous program: 450W (Low)/180W (High) 8Ω (Low)/16Ω (High) 98dB (Low)/109dB (High) 50 – 20,000Hz Low: 30cm cone-type, High: Wave front control horn 90° (hor.)/15° (ver.) +compression driver × 2 Enclosure: Plywood, black paint Enclosure: (SR-A12LWP/A12SWP) Plywood, black, urethane coating/Punched net: Steel plate, black, acrylic paint 740 (W) × 433 (H) × 467(D) mm 48kg (including accessories) SR-A12SWP: IPX4	Continuous program: 720W 8Ω 95dB 40 – 400Hz 46cm cone-type — Enclosure: Plywood, black paint Enclosure: (SR-A12L/A12S) Plywood, black paint/Punched net: Steel plate, black, acrylic paint 740 (W) × 573 (H) × 698(D) mm 66kg (including accessories) —	Continuous program: 360W (Low)/180W (High) 8Ω (Low)/16Ω (High) 98dB (Low)/109dB (High) 65 – 20,000Hz Low: 20cm cone-type, High: Wave front control horn 110° (hor.)/5° (ver.) +compression driver × 2 Enclosure: (SR-C8L/C8S/C15B) Plywood, black urethane paint/Punched net: Steel plate, black, paint Enclosure: (SR-C8LWP/C8SWP/C15BWP) Plywood, black, urethane coating/Punched net: Stainless steel (SUS304), black, paint 526.6 (W) × 329.6 (H) × 296(D) mm 17kg SR-C8LWP: IPX4	Continuous program: 360W (Low)/180W (High) 8Ω (Low)/16Ω (High) 98dB (Low)/109dB (High) 65 – 20,000Hz Low: 20cm cone-type, High: Wave front control horn 110° (hor.)/15° (ver.) +compression driver × 2 Enclosure: Plywood, black urethane paint/Punched net: Steel plate, black, paint Enclosure: (SR-C8LWP/C8SWP/C15BWP) Plywood, black, urethane coating/Punched net: Stainless steel (SUS304), black, paint 430 (W) × 544 (H) × 135 (D) mm 16kg SR-C8SWP: PX4	Continuous program: 450W 8Ω 93dB 40 – 400Hz 38cm cone-type — Enclosure: Plywood, black paint Enclosure: (SR-C8L/A12S) Plywood, black paint/Punched net: Steel plate, black, acrylic paint 354 (W) × 582 (H) × 340 (D) mm 66kg (including accessories) SR-C15BWP: IPX4

Type S Series

							
SR-S4L	SR-S4LWP	SR-S4S	SR-S4SWP	SR-H2L	SR-H2S	SR-H3L	SR-H3S
Continuous program: 600W 8Ω 94dB 70 – 20,000Hz Low: 10cm cone-type x 8, High: 2.5cm balanced dome-type x 24 Horizontal: 90°/Vertical: 0° MDF, white, paint Punched steel plate, white, acrylic paint 160 (W) × 895 (H) × 255(D)mm 16kg —	Continuous program: 600W 8Ω 94dB 70 – 20,000Hz Low: 10cm cone-type x 8, High: 2.5cm balanced dome-type x 24 Horizontal: 90°/Vertical: 0° Plywood, white, urethane coating Punched stainless steel (SUS304), white paint 160 (W) × 895 (H) × 255(D)mm 16kg IPX4	Continuous program: 600W 8Ω 94dB 70 – 20,000Hz Low: 10cm cone-type x 8, High: 2.5cm balanced dome-type x 24 Horizontal: 90°/Vertical: 10° MDF, white, paint Punched steel plate, white, acrylic paint 160 (W) × 892 (H) × 303(D)mm 16kg —	Continuous program: 600W 8Ω 94dB 70 – 20,000Hz Low: 10cm cone-type x 8, High: 2.5cm balanced dome-type x 24 Horizontal: 90°/Vertical: 10° Plywood, white, urethane coating Punched stainless steel (SUS304), white paint 160 (W) × 892 (H) × 303(D)mm 16kg IPX4	Continuous program: 180W 8Ω 92dB 80 – 18,000Hz Horizontal: 90°/Vertical: 0° MDF, white, paint 84 (W) × 668.4 (H) × 115 (D)mm 4.4kg —	Continuous program: 180W 8Ω 92dB 90 – 17,000Hz Horizontal: 90°/Vertical: 20° MDF, white, paint Punched steel plate, white, acrylic paint 84 (W) × 663.4 (H) × 115 (D)mm 4.2kg —	Continuous program: 360W 8Ω 92dB 110 – 18,000Hz Horizontal: 90°/Vertical: 0° MDF, white, paint Punched steel plate, white, acrylic paint 84 (W) × 1,186 (H) × 115 (D)mm 7.6kg —	Continuous program: 360W 8Ω 92dB 90 – 17,000Hz Horizontal: 90°/Vertical: 20° MDF, white, paint 84 (W) × 1,177.2 (H) × 157 (D)mm 7.9kg —

Compact Array Speakers

						
HX-5B	HX-5B-WP	HX-5W	HX-5W-WP	FB-120B	FB-120W	SR-T5
Continuous program: 600W 8Ω 96dB (60° mode), 97dB (45° mode), 98dB (30° mode, 99dB (15° mode) 70 – 20,000Hz (60° mode) Low: 12cm cone-type x 4, High: Balanced dome-type x 12 Horizontal: 100°/Vertical: 60°, 45°, 30°, 15° variable Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white	Continuous program: 600W 8Ω 96dB (60° mode), 97dB (45° mode), 98dB (30° mode, 99dB (15° mode) 70 – 20,000Hz (60° mode) Low: 12cm cone-type x 4, High: Balanced dome-type x 12 Horizontal: 100°/Vertical: 60°, 45°, 30°, 15° variable Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white	Continuous program: 600W 8Ω 96dB (60° mode), 97dB (45° mode), 98dB (30° mode, 99dB (15° mode) 70 – 20,000Hz (60° mode) Low: 12cm cone-type x 4, High: Balanced dome-type x 12 Horizontal: 100°/Vertical: 60°, 45°, 30°, 15° variable Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white	Continuous program: 600W 8Ω 96dB (60° mode), 97dB (45° mode), 98dB (30° mode, 99dB (15° mode) 70 – 20,000Hz (60° mode) Low: 12cm cone-type x 4, High: Balanced dome-type x 12 Horizontal: 100°/Vertical: 60°, 45°, 30°, 15° variable Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white	Continuous program: 600W 8Ω 96dB 40 – 1,200Hz 30cm cone-type — Enclosure: Plywood, black or white, paint/Steel plate, black or white, paint	Continuous program: 600W 8Ω 96dB 40 – 1,200Hz 30cm cone-type — Enclosure: Plywood, black or white, paint/Steel plate, black or white, paint	Continuous program: 750W 8Ω 96dB 70 – 20,000Hz Low: 13cm cone-type x 8, High: Balanced dome-type x 24 Horizontal: 100°/Vertical: 35° Enclosure: Polypropylene, black, urethane paint Punched net: Steel plate, black, acrylic paint 310 (W) × 1,239 (H) × 341 (D)mm 29kg • Impact-resistant construction.

SR (Z-Drive) Series Speakers

Full-Range Cabinet Speakers

							
SR-F1D	SR-F09/F09-V1	SR-F09-V2/F09-V3	SR-F05	SR-L09	SR-L1B	SR-M05L/R	SR-M3L/R
Continuous program: 360W 8Ω (Low)/16Ω (High) 100dB 70 – 20,000 Hz Low: 30cm cone, High: CD horn FRP coating, gray Black-painted 390 (W) × 619 (H) × 364(D)mm 38kg	Continuous program: 600W 100dB 70 – 20,000 Hz Low: 30cm cone, High: CD horn Plywood, black paint Steel plate, black acrylic paint 390 (W) × 619 (H) × 364(D)mm 35kg	Continuous program: 600W 100dB 70 – 20,000 Hz Low: 30cm cone, High: CD horn Plywood, black paint Steel plate, black acrylic paint 390 (W) × 619 (H) × 364(D)mm 35kg	Continuous program: 450W 99dB 60 – 18,000 Hz Low: 25cm cone, High: CD horn Plywood, black paint FRP coating, gray Steel plate, black acrylic paint 315 (W) × 444 (H) × 241(D) mm 18kg	Continuous program: 900W 96dB 4Ω 35 – 1,000 Hz Low: 25cm cone, High: CD horn FRP coating, gray Black-painted 829 (W) × 629 (H) × 606(D) mm 67kg	Continuous program: 450W x 2 100dB 4Ω 35 – 1,000 Hz Low: 25cm cone, High: CD horn FRP coating, gray Black-painted 830 (W) × 631 (H) × 607(D) mm 77kg	Continuous program: 450W 99dB 8Ω 60 – 18,000 Hz Low: 38cm cone, High: CD horn Plywood, black paint MDF, black, urethane coating Black, acrylic paint 444 (W) × 274 (H) × 404(D) mm 17.8kg	Continuous pink noise: 600W 100dB 8Ω 65 – 20,000 Hz Low: 38cm cone, High: CD horn Plywood, black paint Steel plate, black acrylic paint 673 (W) × 394 (H) × 505(D) mm 34kg

Subwoofers

Floor Monitor Speakers

ES Series Speakers

2-Way Speakers

					
ES-08T1	ES-08S1	ES-C06S1/FG-C06S1	ES-0422/0422WP	ES-0424/0424WP	ES-0426/0416WP
Continuous program: 600W 8Ω 100dB 70 – 20,000Hz Low: 38cm cone-type, High: CD horn Enclosure: Plywood, black, urethane paint 740 (W) × 450 (H) × 337(D) mm 37kg (including accessories) —	Continuous program: 600W 8Ω 97dB 80 – 20,000Hz Low: 25cm cone-type, High: CD horn Front grille: Steel plate, black, acrylic paint 580 (W) × 330 (H) × 255(D) mm 30kg —	Continuous program: 180W 8Ω 96dB 80 – 20,000Hz Low: 25cm woofer, High: CD horn Case: Wood, black/FG-C06S1 Front Panel (white) ø360 x 12mm (exposed section) 6.8kg/FG-C06S1: 400g —	Continuous program: 240W 8Ω 91dB 120 – 20,000Hz Low: 12cm cone x 2, High: CD horn Enclosure: (ES-0422/ES-0424/ES-0426) Wood, urethane paint, white/Front grille: Steel plate, acrylic paint, white ES-0422: 146 (W) × 430 (H) × 162 (D)mm ES-0424WP: 154 (W) × 438 (H) × 174 (D)mm ES-0422: 8kg/ES-0422WP: 8.2kg ES-0422WP: IP55	Continuous program: 360W 8Ω 96dB 120 – 20,000Hz Low: 12cm cone x 4, High: CD horn Enclosure: (ES-0422/ES-0424/ES-0426) Wood, urethane paint, white/Front grille: Steel plate, acrylic paint, white ES-0424: 146 (W) × 710 (H) × 162 (D)mm ES-0434WP: 154 (W) × 718 (H) × 174 (D)mm ES-0424: 12kg/ES-0424WP: 12.4kg ES-0424WP: IP55	Continuous program: 360W 8Ω 96dB 120 – 20,000Hz Low: 12cm cone x 6, High: CD horn Enclosure: (ES-0422/ES-0424/ES-0426) Wood, urethane paint, white/Front grille: Steel plate, acrylic paint, white ES-0426: 146 (W) × 990 (H) × 162 (D)mm ES-0426WP: 154 (W) × 998 (H) × 174 (D)mm ES-0426: 15kg/ES-0426WP: 15.5kg ES-0426WP: IP55

H Series Speakers

						
H-1	H-2	H-2WP	H-3	H-3WP	HB-1	FB-100
90W (continuous program) 12W (16Ω) 4Ω or 16Ω/100V line: 830Ω, 1.7kΩ, 3.3kΩ 70V line: 420Ω, 830Ω, 1.7kΩ, 3.3kΩ 85 dB 120Hz – 20kHz Low: 8 x 5cm cone-type, High: Balanced dome-type Adapter frame: Stainless steel/ Cover: Fire-resistant ABS resin, white/ Punched net: Steel plate, white paint	120W (continuous program) 12W (16Ω) 4Ω or 16Ω/100V line: 830Ω, 1.7kΩ, 3.3kΩ 70V line: 420Ω, 830Ω, 1.7kΩ, 3.3kΩ 88dB 100Hz – 20kHz Low: 10cm cone-type, High: Balanced dome-type	120W (continuous program) 12W (16Ω) 4Ω or 16Ω/100V line: 830Ω, 1.7kΩ, 3.3kΩ 70V line: 420Ω, 830Ω, 1.7kΩ, 3.3kΩ 88dB 100Hz – 20kHz Low: 10cm cone-type, High: Balanced dome-type	150W (continuous program) 30W (16Ω) 4Ω or 16Ω/100V line: 330Ω, 670Ω, 1.3kΩ 70V line: 170Ω, 330Ω, 670Ω, 1.3kΩ 88dB 100Hz – 20kHz Low: 10cm cone-type x 2, High: 2.5cm dome-type (neodymium magnet)	150W (continuous program) 30W (16Ω) 4Ω or 16Ω/100V line: 330Ω, 670Ω, 1.3kΩ 70V line: 170Ω, 330Ω, 670Ω, 1.3kΩ 88dB 100Hz – 20kHz Low: 10cm cone-type x 2, High: 2.5cm dome-type (neodymium magnet)	240W (continuous program) — 8Ω 91dB 45 – 200Hz 20cm cone speaker	450W (continuous program) — 8Ω 88dB 35 – 160Hz 25cm cone speaker
312 (W) x 126 (H) x 90(D) mm 1.5kg — • Flush Mount	— — — • Surface Mount	— 2.1kg IPX4 • Surface Mount	— — — • Wall Mount	— 3.3kg IPX4 • Wall Mount	430 (W) x 544 (H) x 135 (D) mm 11kg — • Wall/Ceiling Mount • Subwoofer	354 (W) x 582 (H) x 340 (D) mm 16kg — • Super-woofer

HS Series Speakers

Coaxial Line Array Speaker System

							
HS-120B	HS-120W	HS-1200BT	SR-1200WT	HS-150B	HS-150W	HS-1500BT	HS-1500WT
Continuous pink noise: 100W 97 dB 8Ω 80 – 20,000 Hz Low: 30cm cone-type, High: Balanced dome tweeter x 6 Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white 361 (W) x 448 (H) x 320 (D) mm 8.5kg	Continuous pink noise: 100W (Low impedance) 97 dB 8Ω 80 – 20,000 Hz Low: 30cm cone-type, High: Balanced dome tweeter x 6 Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white 361 (W) x 448 (H) x 320(D) mm 10kg	Continuous pink noise: 100W (Low impedance) 97 dB 8Ω 80 – 20,000 Hz Low: 30cm cone-type, High: Balanced dome tweeter x 6 Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white 361 (W) x 448 (H) x 320(D) mm 10kg	Continuous pink noise: 100W (Low impedance) 97 dB 8Ω 80 – 20,000 Hz Low: 30cm cone-type, High: Balanced dome tweeter x 6 Enclosure: Polypropylene, black or white/Punched net: Surface-treated steel plate, black or white 361 (W) x 448 (H) x 320(D) mm 10kg	Continuous pink noise: 100W 98dB 8Ω 70 – 20,000 Hz Low: 38cm cone-type, High: Balanced dome tweeter x 6 Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 451 (W) x 560 (H) x 400(D) mm 12kg	Continuous pink noise: 100W 98dB 8Ω 70 – 20,000 Hz Low: 38cm cone-type, High: Balanced dome tweeter x 6 Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 451 (W) x 560 (H) x 400(D) mm 12kg	Continuous pink noise: 100W (Low impedance) 98dB 8Ω 80 – 20,000 Hz Low: 38cm cone-type, High: Balanced dome tweeter x 6 Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 451 (W) x 560 (H) x 400(D) mm 14kg	Continuous pink noise: 100W (Low impedance) 98dB 8Ω 80 – 20,000 Hz Low: 38cm cone-type, High: Balanced dome tweeter x 6 Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 451 (W) x 560 (H) x 400(D) mm 14kg

F Series Wide-Dispersion Speakers

F-1000 Series

								
F-1000B/W	F-1000BT/WT	F-1000BTPW/WTWP	F-1300B/W	F-1300BT/WT	F-1300BTPW/WTWP	F-2000B/W	F-2000BT/WT	F-2000BTPW/WTWP
90W (continuous program) 15W 8Ω 80 – 20,000 Hz Low: 10cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 130 (W) x 202 (H) x 131(D) mm 1.8kg —	15W 8Ω 80 – 20,000 Hz Low: 10cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 130 (W) x 202 (H) x 131(D) mm 1.8kg —	15W 8Ω 80 – 20,000 Hz Low: 10cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 130 (W) x 202 (H) x 131(D) mm 1.8kg —	150W (continuous program) 30W 8Ω 80 – 20,000 Hz Low: 13cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 162 (W) x 250 (H) x 161(D) mm 3.1kg —	30W 8Ω 80 – 20,000 Hz Low: 13cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 162 (W) x 250 (H) x 161(D) mm 3.1kg —	30W 8Ω 80 – 20,000 Hz Low: 13cm cone-type, High: Balanced dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 162 (W) x 250 (H) x 161(D) mm 3.1kg —	180W (continuous program) 60W 8Ω 80 – 20,000 Hz Low: 20cm cone-type, High: 2.5cm dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 244 (W) x 373 (H) x 235(D) mm 7.4kg —	60W 8Ω 80 – 20,000 Hz Low: 20cm cone-type, High: 2.5cm dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 244 (W) x 373 (H) x 235(D) mm 7.4kg —	60W 8Ω 80 – 20,000 Hz Low: 20cm cone-type, High: 2.5cm dome tweeter Enclosure: HIPS resin, black or white/Punched net: Surface-treated steel plate, black or white, paint 244 (W) x 373 (H) x 235(D) mm 7.4kg —

F-1300 Series

F Series Wide-Dispersion Ceiling Speakers

					
F-2852	F-2322C	F-2352C	F-122C	F-2352SC	F-1522SC
Rated Input (100V line) Rated impedance	60W 100V line: 170Ω, 330Ω, 670Ω, 3.3kΩ 70V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ 25V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ Low (adjustable): 16Ω, 8Ω	30W 100V line: 170Ω, 330Ω, 670Ω, 3.3kΩ 70V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ 25V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ Low (adjustable): 16Ω, 8Ω	30W 100V line: 170Ω, 330Ω, 670Ω, 3.3kΩ 70V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ 25V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ Low (adjustable): 16Ω, 8Ω	30W 100V line: 170Ω, 330Ω, 670Ω, 3.3kΩ 70V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ 25V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ Low (adjustable): 16Ω, 8Ω	6W 100V line: 170Ω, 330Ω, 670Ω, 3.3kΩ 70V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ 25V line: 83Ω, 170Ω, 330Ω, 670Ω, 3.3kΩ Low (adjustable): 16Ω, 8Ω
Sensitivity (1W, 1m)	91dB	90dB	90dB	89dB	88dB
Frequency Response	80 – 20,000 Hz	70 – 20,000 Hz	70 – 20,000 Hz	80 – 20,000 Hz	65 – 18,000 Hz
Mounting Hole Diameter	ø250 mm	ø200mm	ø200mm	ø200mm	ø135mm
Speaker Component	Low: 16cm cone-type, High: Dome-type	Low: 12cm cone-type, High: Balanced dome-type	Low: 12cm cone-type, High: Balanced dome-type	Low: 12cm cone-type, High: Balanced dome-type	Low: 10cm cone-type, High: Balanced dome-type
Finish	Enclosure: Steel plate, plating/Baffle: Fire-resistant ABS resin, black/Rim: Fire-resistant ABS resin, white/Punched net: Steel plate, white, paint				
Dimensions	ø280 x 227(D) mm	ø230 x 200 (D) mm	ø230 x 229(D) mm	ø230 x 229(D) mm	ø230 x 154(D) mm
Weight	5.1kg	3.7kg	3.7kg	3.7kg	1.5kg
					ø155 x 117(D) mm