

Immersive Audio Solutions

Speaker Comparison Chart



In-Ceiling Speakers

	6.5" WOOFERS				8" WOOFERS			
Model	IC6-B	IC6-MB	IC6-BB	IC6-BSC	IC8-B	IC8-MB	IC8-BB	IC8-BSC
Sonic Vortex				-				-
Woofer	6.5" Poly	6.5" Fluted Poly	6.5" Carbon Fiber	6.5" Kevlar	8" Poly	8" Fluted Poly	8" Carbon Fiber	8" Kevlar
Tweeter	1" Silk	1" Aluminum	1" Titanium	3/4" Titanium	1" Silk	1" Aluminum	1" Titanium	3/4" Titanium
Pivoting Tweeter	✓	✓	✓	-	✓	✓	✓	-
Freq. Response	46Hz - 22kHz	43Hz - 24kHz	40Hz - 25kHz	60Hz - 20kHz	38Hz - 22kHz	35Hz - 22kHz	32Hz - 25kHz	50Hz - 22kHz
Sensitivity	89 db	89 db	89 db	90db	92 db	92 db	92 db	90 db
Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	120 watts	120 watts	120 watts	60 watts	120 watts	120 watts	120 watts	80 watts
Depth	6.8"	6.8"	6.8"	3.4"	8.6"	8.6"	8.6"	4.1"
Cutout Size	8.4"	8.4"	8.4"	8.3"	10.3"	10.3"	10.3"	10.2"

In-Ceiling 15° Angled Woofers, Dual Voice Coil, & Shallow Depth

	15° ANGLED WOOFERS			DUAL VOICE COIL		SHALLOW DEPTH	
Model	ICA6-B	ICA6-MB	ICA6-BB	IC6DVC-B	IC6DT-BSC	P4-MB	P4-BB
Sonic Vortex					-	-	
Woofer	6.5" Poly	6.5" Fluted Poly	6.5" Carbon Fiber	6.5" Poly	6.5" Kevlar	4" Fluted Poly	4" Carbon Fiber
Tweeter	1" Silk	1" Aluminum	1" Titanium	1" Silk Dome	3/4" Titanium (x2)	3/4" Aluminum	3/4" Titanium
Pivoting Tweeter	✓	✓	✓	✓	-	-	-
Freq. Response	46Hz - 22kHz	43Hz - 24kHz	40Hz - 25kHz	46Hz - 22kHz	55Hz - 20kHz	62Hz - 24kHz	59Hz - 25kHz
Sensitivity	89 db	89 db	89 db	89 db	90 db	88 db	88 db
Impedance	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm	8 ohm
Power Handling	120 watts	120 watts	120 watts	90 watts	60 watts	80 watts	80 watts
Depth	6.8"	6.8"	6.8"	6.8"	3.7"	2.76"	2.76"
Cutout Size	8.4"	8.4"	8.4"	9.4"	8.3"	8.4"	8.4"

In-Ceiling/Wall Speakers & In-Ceiling Subwoofers

	IN-CEILING/WALL SPEAKERS		IN-WALL SPEAKERS				IN-CEILING SUBWOOFERS	
Model	ICW4-MB	ICW6-MB	IWL4-MB	IWL4-BB	IPL4-MB	IPL4-BB	ICS6-MB	ICS8-MB
Sonic Vortex								
Woofer	4" Fluted Poly	6.5" Fluted Poly	4" Fluted Poly (x2)	4" Carbon Fiber (x2)	4" Fluted Poly (x2)	4" Carbon Fiber (x2)	6.5" Kevlar	8" Kevlar
Tweeter	3/4" Aluminum	1" Aluminum	1" Aluminum	1" Titanium	1" Aluminum	1" Titanium	-	-
Pivoting Tweeter	✓	✓	✓	✓	✓	✓	-	-
Freq. Response	68Hz - 24kHz	56Hz - 24kHz	89Hz - 25kHz	86Hz - 25kHz	62Hz - 24kHz	59Hz - 25kHz	38Hz - 300kHz	28Hz - 300kHz
Sensitivity	89 db	89 db	92 db	92 db	92 db	92 db	90 db	90 db
Impedance	8 ohm	8 ohm	6 ohm	6 ohm	6 ohm	6 ohm	4 ohm	4 ohm
Power Handling	80 watts	120 watts	120 watts	120 watts	120 watts	120 watts	120 watts	120 watts
Depth	3.8"	3.9"	3.9"	3.9"	2.82"	2.82"	6.8"	8.6"
Cutout Size	6.4"	8.4"	13.98" x 8.33"	13.98" x 8.33"	18.31" x 8.74"	18.31" x 8.74"	8.4"	10.3"

Free Standing Subwoofers & Amplifiers



FREE STANDING SUBWOOFERS

RESIDENTIAL AMPLIFIERS

COMMERCIAL AMPLIFIERS

Model	BPS-65	BPS-80	BA2101	BA251	BAV4250	BAV2500
Sonic Vortex			100W/Ch Class D Amplifier	50W/Ch Class D Amplifier	250W/Ch	500W/Ch
Woofers	6.5" Kevlar	8" Kevlar	Anti-clipping output limiter		4 channel	2 channel
Freq. Response	38Hz - 300kHz	28Hz - 300kHz	Bridgeable 300W	Bridgeable 160W	4 inputs	2 inputs
Sensitivity	92 db	90 db	Line level subwoofer output		Selectable 70V/100V/8 ohm outputs	
Power	110/220V Selectable	110/220V Selectable	Stereo audio line level input (RCA)		IP controllable via front panel	
Amplifier Power	200 watts	200 watts	Digital audio input (Toslink and Coax)		Matrix mode allows any source to be routed to any output channel	
Dimensions	11.5" D x 11.7" W x 12.4" H	13.5" D x 13.5" W x 14.2" H	IR learning function		Source can be mixed or individually selected to any output	
Adjustable Phase	0 or 180 degrees	0 or 180 degrees	Cool, efficient, digital design		Digital Sign Processing (DSP) for complete customization	
Inputs	Line and speaker level	Line and speaker level	-		Parametric equalizer for each channel	

Commercial Speakers & Fire Rated Covers



COMMERCIAL SPEAKERS

FIRE RATED COVERS

Model	TU401	TICW401	TIC651	TIC801	IC6V-BSC	IC8V-BSC	FF109-FRSC	FF109-FRSC-XL
Sonic Vortex					-	-	For Beale Basics	For Sonic Vortex
Woofers	4" Fluted Poly	4" Fluted Poly	6.5" Fluted Poly	8" Fluted Poly	6.5" Kevlar	8" Kevlar	60 minute fire protection	
Tweeters	3/4" Aluminum	3/4" Aluminum	1" Aluminum	1" Aluminum	3/4" Titanium	3/4" Titanium	Enhances the acoustic protection of the ceiling	
Pivoting Tweeter	-	✓	✓	✓	-	-	For use in floor/ceiling assemblies	
Freq. Response	62Hz - 24kHz	68Hz - 24kHz	48Hz - 24kHz	35Hz - 25kHz	65Hz - 20kHz	50Hz - 20kHz	Approx. 1.5 lbs	Approx. 2.5 lbs
Sensitivity	88 db	89 db	89 db	92 db	90db	90 db	No screws, drilling, or additional sealant required	
Impedance	8 ohm	1. 1.9, 3.8, 7.5, 15W	1.3, 2.5, 5, 10, 20W	1.9, 3.8, 7.5, 15W	2.5, 5, 10W	2.5, 5, 10W	Flexible material enables the cover to be fitted around obstacles	
Power Handling	80 watts	80 watts	120 watts	120 watts	60 watts	80 watts	Ceiling cut-outs up to 10 5/8"	Ceiling cut-outs up to 8"
Depth	2.76"	3.82"	6.8"	8.6"	3.4"	4.1"	Easy to remove and re-install for speaker maintenance	
Cutout Size	8.4"	8.4"	8.4"	8.4"	9.4"	8.3"	Intertek/ETL certified	

Outdoor Speakers & Accessories



SPEAKERS

SUBWOOFERS

ACCESSORIES

Model	WP4V-BSC	WP6V-BSC	W5VB-BSC	LS10B-BSC	WPV-LAND	PESV	VCRI / VCSI
Colors	Black or white	Black or white	Black	Black	Black	Black or White	White or almond
Woofers	4" Poly	6.5" Poly	5.25" Woven Fiber	10" Poly	For WP4V-BSC and WP6V-BSC	For 6.5" & 8" Sonic Vortex speakers	300W/Ch peak power
Tweeters	3/4" Silk	1" Silk	3/4" Titanium	-	Includes mounting hardware	Includes mounting hardware	105W/Ch continuous power
Freq. Response	120Hz - 20kHz	100Hz - 20kHz	60Hz - 20kHz	40Hz - 300Hz	Residential and commercial settings	Wall mount optional (Part #PASBR)	Dynamic impedance matching
Sensitivity	83 db	85 db	89 db	86 dB	Swivels to desired position	Black enclosures include black grills	2 to 6 ohm speaker impedance
Wattage Taps	1.25, 2.5, 5, 10, 20 W	2.5, 4, 10, 20 W	5, 10, 20 W (70V) 2.5, 5, 10, 20 W (100V)	4 Ohm	Includes base, stake, and mount	Dual hanging points for seismic codes	Rotary or slide type
Power Handling	20 watts	40 watts	50 watts	150 W		PESV-6B/W PESV-8B/W	1.8" deep (VCRI) 1.6" deep (VCSI)
Dimensions	5.4" x 7.5"	8.2" x 11"	7.9" x 7.5" x 10.6"	12.2" x 16.5" x 16.5"		Visit vanco1.com for speaker brackets, tile bridges, and additional accessories.	