

(CSP SERIES) YAMAHA CLAVINOVA COMPARISON TABLE

		CSP-170	CSP-150
Size/Weight			
Dimensions	Width	1,412 mm (55 5/8")	1,412 mm (55 5/8")
	Height	1,040 mm (40-15/16")	1,040 mm (40-15/16")
	Depth	465 mm (18-5/16")	465 mm (18-5/16")
Weight	Weight	67.0 kg (147 lb, 12 oz)	58.0 kg (127 lb, 14 oz)
Control Interface			
Keyboard	Number of Keys	88	88
	Type	NWX (Natural Wood X) keyboard with synthetic ebony and ivory keytops, escapement	GH3X (Graded Hammer 3X) keyboard with synthetic ebony and ivory keytops, escapement
	Touch Sensitivity	Hard2, Hard1, Medium, Soft1, Soft2, Fixed	Hard2, Hard1, Medium, Soft1, Soft2, Fixed
	88-key Linear Graded Hammers	-	-
	Counterweight	No	No
Pedal	Pedals	3	3
	Half Pedal	Yes	Yes
	Functions	Sustain, Sostenuto, Soft, Glide, Style Start/Stop, Volume, etc.	Sustain, Sostenuto, Soft, Glide, Style Start/Stop, Volume, etc.
	GP Response Damper Pedal	-	-
Display	Type	depends on the Smart Device	depends on the Smart Device
	Size	depends on the Smart Device	depends on the Smart Device
	Touch Screen	depends on the Smart Device	depends on the Smart Device
	Color	depends on the Smart Device	depends on the Smart Device
	Score/ Lyrics Display Function	Yes*	Yes*
	Language	26 Languages	26 Languages

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Panel	Language	English	English
Key Cover	Key Cover	Sliding	Sliding
Music Rest and Clips		Yes	Yes
Voices			
Tone Generation	Piano Sound	Yamaha CFX, Bösendorfer Imperial	Yamaha CFX, Bösendorfer Imperial
	Binaural Sampling	Yes (Yamaha CFX Voice only)	Yes (Yamaha CFX Voice only)
	Key-off Samples	Yes	Yes
	Virtual Resonance Modeling (VRM)	Yes	Yes
	String /Damper Resonance	VRM	VRM
Polyphony	Number of Polyphony (Max.)	256	256
Preset	Number of Voices	692 Voices + 29 Drum/SFX Kits	692 Voices + 29 Drum/SFX Kits
	Featured Voices	14 VRM Voices, 113 Super Articulation Voices, 27 Natural! Voices, 27 Sweet! Voices, 63 Cool! Voices, 69 Live! Voices, 30 Organ Flutes! Voices	14 VRM Voices, 113 Super Articulation Voices, 27 Natural! Voices, 27 Sweet! Voices, 63 Cool! Voices, 69 Live! Voices, 30 Organ Flutes! Voices
Compatibility		(for song playback) XG, GS , GM, GM2	(for song playback) XG, GS , GM, GM2
Effects			
Types	Reverb	58 Preset	58 Preset
	Master Compressor	-	-
	Master EQ	5 Preset + User	5 Preset + User
	Part EQ	-	-
	Intelligent Acoustic Control (IAC)	Yes	Yes

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	Stereophonic Optimizer	Yes	Yes
	Vocal Harmony	VH (44 Preset)	VH (44 Preset)
Functions	Dual/Layers	Yes	Yes
	Split	Yes	Yes
Accompaniment Styles			
Preset	Number of Preset Styles	470	470
	Featured Styles	396 Pro Styles, 34 Session Styles, 4 Free Play Styles, 36 Pianist Styles	396 Pro Styles, 34 Session Styles, 4 Free Play Styles, 36 Pianist Styles
	Fingering	Chord Detection Area Full, Chord Detection Area Lower	Chord Detection Area Full, Chord Detection Area Lower
	Style Control	INTRO x 1, ENDING x 1, MAIN x 4, FILL IN x 4	INTRO x 1, ENDING x 1, MAIN x 4, FILL IN x 4
Other Features	Music Finder	-	-
	One Touch Setting (OTS)	-	-
File Format		-	-
Songs			
Preset	Number of Preset Songs	403	403
Recording	Number of Tracks	16	16
	Data Capacity	depends on the Smart Device	depends on the Smart Device
	Recording Function	Yes	Yes
Compatible Data Format	Playback	SMF (Format 0 & 1), XF	SMF (Format 0 & 1), XF
	Recording	SMF (Format 0)	SMF (Format 0)
Functions			
Lesson/Guide	Lesson/Guide	Correct Key, Any Key, Your Tempo*	Correct Key, Any Key, Your Tempo*

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	Guide Lamp	Stream Lights (4 steps)	Stream Lights (4 steps)
Piano Room		Yes	Yes
USB Audio Recorder	Playback	Supported format by the Smart Device	Supported format by the Smart Device
	Recording	WAV/AAC	WAV/AAC
USB Audio	Time Stretch	Yes	Yes
	Pitch Shift	Yes	Yes
	Vocal Cancel	Melody Suppressor	Melody Suppressor
Miscellaneous	Metronome	Yes	Yes
	Tempo Range	5 – 500, Tap Tempo	5 – 500, Tap Tempo
	Transpose	-12 – 0 – +12	-12 – 0 – +12
	Tuning	414.8 – 440.0 – 466.8 Hz	414.8 – 440.0 – 466.8 Hz
	Scale Type	9	9
Audio Recorder/Player	Recording Time (max.)	depends on the Smart Device	depends on the Smart Device
Audio to Score		Yes	Yes
Registration Memory		Yes	Yes
Storage and Connectivity			
Storage	Internal Memory	depends on the Smart Device	depends on the Smart Device
	External Drives	depends on the Smart Device	depends on the Smart Device
Connectivity	Headphones	Standard stereo phone jack (x 2)	Standard stereo phone jack (x 2)
	Microphone	Input Volume, Mic/Line In	Input Volume, Mic/Line In
	MIDI	IN/OUT/THRU	IN/OUT/THRU
	AUX IN	Stereo mini	Stereo mini
	AUX OUT	L/L+R, R	L/L+R, R
	AUX Pedal	Yes	Yes
	RGB OUT	-	-

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	USB TO DEVICE	USB TO DEVICE, iPad	USB TO DEVICE, iPad
	USB TO HOST	Yes	Yes
Amplifiers and Speakers			
	Amplifiers	(45 W + 45 W) × 2	30 W × 2
	Speakers	(16 cm + 8 cm) ×2	16 cm ×2
	Acoustic Optimizer	Yes	Yes