Yamaha CSP-Clavinova Comparison
Full Spec Sheet Below

Features	CSP-170	CSP-150
Graded Hammer 3X Actiom		X
30 W x 2 Speakers		X
Natural Wood X Action	X	
Upgraded 45 W + 45W x 2 Speakers	X	
Smart Device Connectivity	X	X
IOS and Android Compatible	X	X
Smart Pianist App	X	X
721 Voices, 470 Styles	X	X
Headphone Jack	X	X
Vast Music Library	X	X
Split Keyboard	X	X
Song to Score from Music Library	X	X
Follow Me Guide Lights	X	X
Binaural Sampling	X	X
Multi-Track Recording	X	X
Master EQ	X	X
Auto Power Off	X	X

Specifications Sheet		CSP-170	CSP-150
Size/Weight			
Dimensions	Width	1,418 mm (55-13/16")	1,418 mm (55-13/16")
	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	69.0 kg (152 lb, 2 oz)	61.0 kg (134 lb, 8 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 Response	Hard2/Hard1/Medium/Soft1/Soft2/Fixed	Hard2/Hard1/Medium/Soft1/Soft2/Fixed
Pedal	Number of 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.
Display	Type	Smart Device	Smart Device
	Size	Smart Device Dependant	Smart Device Dependant
	App Used	Yamaha's Smart Pianist	Yamaha's Smart Pianist
Music Rest		Yes	Yes

Tone Generation		CSP-170	CSP-150
	Piano Sounds	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
	Smooth Release	Yes	Yes
	Virtual Resonance Modeling (VRM)	Yes	Yes
	String Resonance	VRM	VRM
	Damper Resonance	VRM	VRM
Polyphony	Max Polyphony	256	256
Preset	Number of Voices	692 Voices + 29 Drum/SFX Kits	692 Voices + 29 Drum/SFX Kits

Effects			
	Reverb	58 Preset	58 Preset
	Master EQ	5 Preset + User	5 Preset + User
	Intelligent Acoustic Control (IAC)	Yes	Yes
	Stereophonic Optimizer	Yes	Yes
	Vocal Harmony	VH (44 Preset)	VH (44 Preset)
Functions	Dual/Layers	Yes	Yes
	Split	Yes	Yes

Songs			
Preset	Number of Preset Songs	403	403
Recording	Number of Tracks	16	16
	Data Capacity	Smart Device Dependant	Smart Device Dependant
Compatible Data Format	Playback	SMF (Format 0 & 1), XF	SMF (Format 0 & 1), XF
	Recording	SMF (format 0)	SMF (format 0)
Accompaniment Styles	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