



# Clavinova®



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## YAMAHA DIGITAL PIANO CLP, CSP & CVP SERIES

# RESPONDING TO THE PLAYER'S SENSITIVITIES

Throughout a history of crafting acoustic pianos that spans more than 120 years, this has been Yamaha's goal. We work diligently to ensure that each piano we deliver to our customers brings out the individuality of the person playing it and responds to their musical intent. We believe that the very fact that we continue to offer pianos in the way we do is why pianists around the world love our instruments.

At the same time, this is also significant in that it means that our development of digital pianos is founded on more than an intimate knowledge of the grand pianos on which they are based, and goes further than simply imitating the shapes of these instruments. It is because we have a deep-seated understanding of the fundamental nature of musical expression, which is rooted in the sensitivities of the performer, that we are able to craft instruments that have the true depth of expression of a piano, despite their digital nature.

Clavinova is Yamaha's premier brand of digital pianos. Leveraging advanced technology, Clavinova pianos offer a digital recreation of the experience and sensation of playing a grand piano.

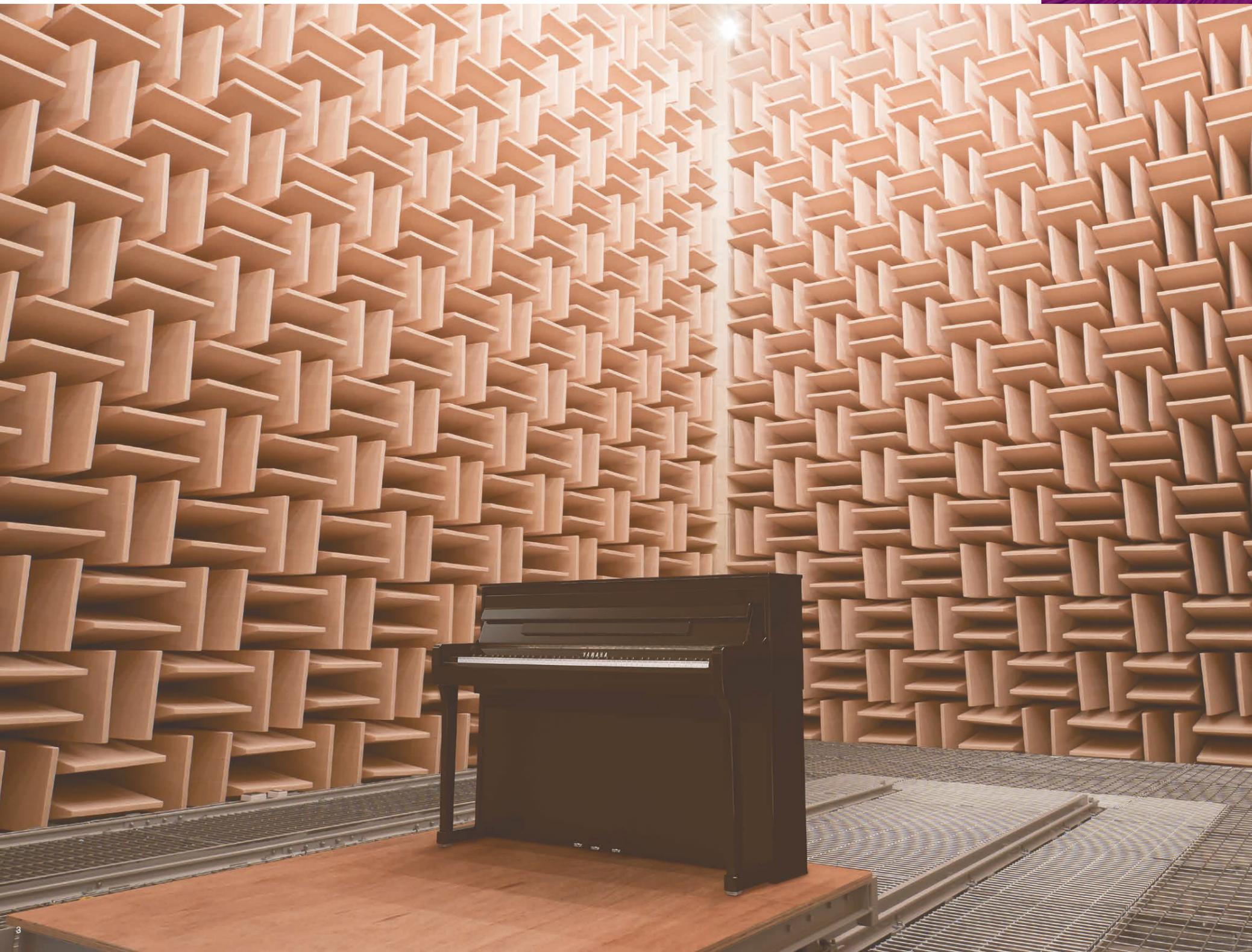
As they deliver the joy of playing the piano to more people, Clavinova pianos will continue to evolve.



# CRAFTING THE PERFECT SOUND

## THE CHAMPION OF ACOUSTICS

An important aspect in the acoustic design of digital pianos is offering acoustic characteristics that are as close to perfect as possible in any room where users might play them. That requires an ideal development environment that is unaffected by room acoustics such as sonic reflections from the wall or floors, and Yamaha headquarters is home to one of the largest anechoic chambers in the world. In this chamber, we measure the acoustic characteristics of speakers and make the adjustments necessary to account for the many different environments in which musical instruments are used. Yamaha possesses numerous research and development facilities that allow us to develop higher-quality instruments.



### Everything is musical!

The Clavinova sound is the result of the confluence of Yamaha's time-tested expertise in the craft of piano-making, and Yamaha's digital technology, which is just as advanced and hard-earned. Our engineers pour their sensibilities into every essential piano element, from the rich tonal expression to the natural decay, deep resonance, and subtle change in tone the moment before the sound dissipates.

Sound creation is vital for breathing life into Clavinova pianos, and it starts with the sampling of acoustic grand piano sounds. Acoustic pianos are highly sensitive instruments; their sound and resonance change along with minute changes in temperature, humidity, and other environmental elements. Our seasoned piano tuners bring their intimate familiarity with the attributes of acoustic pianos to our experts in digital piano sound creation, and they combine their skills and sensibilities and tinker meticulously with the acoustic grand pianos until they create their envisioned tone: balanced, harmonious, and the best that the piano has to offer. Next, this highly polished sound is recorded note by note for each of the 88 keys while the engineers adjust the recording microphones to the millimeter. Then we use the latest acoustic design technology to relay the grand piano sounds to the pianist through the speakers.

However, there is an important process that we cannot forget if everything is to be musical: the matching of touch with the tone the instrument produces. The timing with which sound is produced when the keys of a Clavinova are pressed, and the changes in volume and tone in response to the strength and speed with which they are played are meticulously matched to that of a grand piano to faithfully recreate its natural playing feel. Only after this process is finished is the piano complete.

### Yamaha CFX / Bösendorfer Imperial voices



The Clavinova features grand piano sounds recorded from two world-renowned concert grand pianos. One of them is the CFX, Yamaha's top-flight concert grand piano that has dazzled pianists in concert halls around the world with its richly expressive sound. The other instrument featured is the Imperial, the flagship grand piano from Bösendorfer, a time-honored Viennese brand with an ardent following. The Imperial is known for its abundance of colour and natural, warm feeling. Yamaha faithfully reproduces the idiosyncrasies of these concert grand pianos by carefully recording the entire tonal range of each of the 88 keys on the keyboard, making minute adjustments to capture the most harmonious tones each piano has to offer.

# CLAVINOVA

## CLP SERIES

Distilling the very essence of a grand piano into the feel, tone and touch that resonate with the aspiring pianist in you.



## CSP SERIES

Introducing an innovative new way to enjoy the piano.



## CVP SERIES

Be a bandleader or conductor of an entire orchestra – the automatic accompaniment makes it possible!



# CLP SERIES

## TURN YOUR LIVING ROOM INTO A PERFORMANCE VENUE FOR A TOP-FLIGHT GRAND PIANO

### Experience the distinct characteristics of two concert grand pianos

Yamaha used samples for the voices of two world-class concert grand pianos—the bright, brilliant voice of the Yamaha CFX, and the warm, deep resonance of the Bösendorfer Imperial. The highly distinctive sounds of these pianos feature lush harmonics and vivid resonance created from the sympathetic vibrations of the strings and soundboard, faithfully delivered in response to your articulation and pedaling. Richer tonal gradations than ever before give you an even greater range of dynamic expression. Additionally, binaural sampling was used to create the voices of the two famed pianos. Even through headphones, the voices are natural and full, preserving the acoustic sound to such a degree that you forget that you're not hearing the sound straight from the instrument itself. Experience the ability to play an even broader range of songs the way they were meant to be played.



### Tonal expression delivered through touch on par with a grand piano

Grand Expression Modeling is cutting-edge technology that simulates the wide variety of tonal expression produced by the complex workings of the hammers, strings, dampers, and other internal components of a grand piano. The ability to produce different tonal qualities by varying dynamics and articulation teaches you how to control your fingertips to enhance the intricacy of your tonal expression. This magnifies the joy of playing, and exposes you to the essence of piano playing.

### Acoustic design that realistically simulates the sound image of a grand piano

When you play a grand piano, you experience the sensation of being enveloped in the resonance of the instrument. The high-end models of the CLP-800 Series use Grand Acoustic Imaging—advanced acoustic technology that simulates the sound image and sound field of a grand piano. The technology recreates the full experience of playing a grand piano, with the sensation of the hammers striking the strings in front of you, the reverberations from the strings dissipating away from you, and the sense of depth that comes from the sound resonating from the soundboard. The keys to creating such a realistic environment are the optimal placement and balance of the individual bass, mid, and treble speakers, as well as diffusers and bidirectional horns that diffuse sound from the speakers throughout a space. Moreover, a new tone generation chip allows fine-tuning and control of the sonic elements of each frequency band, dramatically improving the precision of sound design. The cases of the grand piano models are even used to simulate the radiation of grand piano sounds, creating a lush listening environment for the audience as well.

### Highly responsive GrandTouch™ / GrandTouch-S™ keyboards

The GrandTouch™ and GrandTouch-S™ keyboards were designed around the concept of “a keyboard with the feel of a grand piano action,” with the goal of allowing pianists to feel the keyboard with their fingertips in the same way as they would when playing a grand piano, and from there to create exactly the sound that they are looking for. Pianists craft their sound by sensing the changes in the feel and pressure on their fingers that occur within the mere 10 mm length of the keystroke, from the moment they begin to press a key until the instant it reaches the bottom of its travel. In the GrandTouch™ and GrandTouch-S™ keyboards Yamaha has combined the keyboard structure developed for use in its digital pianos with unique materials to create a faithful reproduction of the sensations felt by a pianist's fingers when they play a grand piano keyboard.



- With resonance and tone variation similar to a grand piano, the CLP Series allows you to enjoy a wide range of expression.
- The keyboard and pedals faithfully respond to the player's touch to provide a feel close to that of a grand piano.
- A full lineup of colors ensures that your piano will match your interior design.



### Period instrument voices open the door to the world of classical music

The CLP-800 Series is equipped with the voices of the fortepiano, the predecessor to the modern piano. The sounds emitted by a fortepiano are simpler than those of a modern piano, and decay much more rapidly. Hearing the sounds of the instruments played when the likes of Mozart, Beethoven, and Chopin were composing their songs should illuminate the original intent behind the notes on the page. Here is a novel opportunity to communicate with historical composers by playing these period instruments.



# CLP SERIES

## CLP-895GP



### Enjoy a richly expressive sound

The CLP-895GP uses Grand Expression Modeling to offer a wide range of musical expressiveness. This model features voices from two of the world's best-known concert grand piano sounds, along with three-dimensional acoustics that give the instrument an authentic grand piano tone, bringing rich reverberation to your playing space.



### Develop accurate key touch and pedaling

The GrandTouch™ keyboard with key counterweights and GrandTouch™ pedals recreate a realistic grand piano playing feel. These features give you precise control even when playing the most delicate passages.



### A design that adds elegance to any space

The gentle curved form of the CLP-895GP embodies the warmth and grace inherent to the original grand piano design. The CLP-895GP transforms any room into an elegant performance space.

## CLP-865GP



### Delight in a reassuring grand piano feel

The GrandTouch-S™ keyboard with synthetic ebony and ivory keytops gives you the sense of controlling a grand piano key action to produce just the sound you want to hear. This is a keyboard that is easy to play, even after long periods of time.



### Experience rich stereo sound

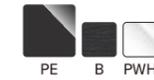
The stylishness of a grand piano brings a sense of elegance to any room. Revel in the rich reverberations produced by the unique shape of the CLP-865GP, imparting depth and expansiveness to the sound.



### Bluetooth® connectivity makes playing even more fun

Use music apps on your Bluetooth® device to play songs through the Clavinova's speakers, or even play along. You can even connect to the instrument wirelessly using Yamaha's Smart Pianist app.

## CLP-885



### Authentic key touch for serious players

Each key on the GrandTouch™ keyboard with key counterweights has a long pivot length which makes it easy to play regardless of where you touch the key, offering enhanced touch for a broader range of tone and responsiveness. This enables greater expressiveness even when you play with a delicate touch, such as in pianissimo, realistically simulating the feel of a grand piano.



### Surround yourself in rich, high-quality sound

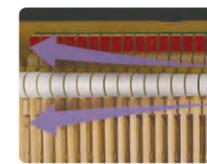
The pinnacle of Yamaha's acoustic technology for digital pianos, Grand Acoustic Imaging reproduces the sound image of a grand piano. The technology offers the latest acoustic design optimised for the upright piano shape, allowing the sound to expand throughout your playing space. The Grand Acoustic Imaging on the CLP-885 delivers a natural stereo sonic presence that feels just like the sound is resonating from the soundboard of a grand piano.



### Period instrument voices open the door to the world of classical music

Equipped with four fortepiano voices. Exposure to the sounds beloved by Mozart, Chopin, and others in the 18th and early 19th centuries should create a deeper understanding of what these composers were thinking and feeling when they wrote their music, and cast modern piano playing in a new light.

## CLP-875



### Playability for full-fledged practice, approaching that of a grand piano

The CLP-875 features 88-key Linear Graded Hammers, with each key having its own weight and return, making the keyboard as a whole feel just like a grand piano. The instrument also features a GP Response Damper for a grand piano-like damper pedal feel. These features help instill a sense of accurate key touch and pedaling.



### Immerse yourself in a natural sonic space

Yamaha's Grand Acoustic Imaging acoustic technology for digital pianos reproduces the sound image of a grand piano. The Grand Acoustic Imaging on the CLP-875 lets the sound expand throughout your playing space, creating a natural stereo sonic presence that feels just like the sound is resonating from the soundboard of a grand piano.



### A design that replicates the acoustic piano in every detail

The touch sensor control panel only displays text when it is on—when the panel is off, it has the smooth finish of a keyblock.

# CLP SERIES

## CLP-845



## CLP-835



## CLP-825



### Experience a keyboard close to that of a grand piano

Each of the white wooden keys of the GrandTouch-S™ keyboard is carved out of a single block of solid wood. Our woodworking techniques have been developed for the construction of acoustic pianos, to make the keyboard less susceptible to warping and curvature. The keys offer a solid feel.



### Clear, rich sound for your musical enjoyment

The two-way speaker system of the CLP-845 uses individual speakers for the low end and mid- to high-range sound, delivering a clear sound with depth.



### Pedal feel that closely approximates a grand piano

GrandTouch™ pedals offer the unique feel of a grand piano pedal, heavy when pressed and light on the return. These pedals are designed to minimise playing fatigue for stable operation and superior control over the sound, such as half-pedal support.



### A piano that fully responds to the player's sensibilities

Grand Expression Modeling reproduces the diverse tonal variations created by differences in the force and speed with which the keys are pressed and released and enables a fuller experience of playing than ever before, helping pianists develop genuine expressive abilities.



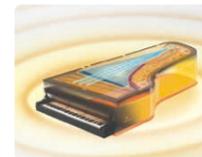
### Enjoy playing piano even more with features unique to digital pianos

The CLP-835 features two fortepiano voices. The rhythm function adds more fun and pizzazz to simple performances, and the audio recording function lets you listen to the performances you're particularly pleased with on a computer or other device. What's more, the built-in volume limiter prevents unintentional sounds that are too loud from being output.



### Easy to control with full text LCD

An easy-to-read display and a simple interface for selecting functions such as rhythms and lesson songs. Dedicated panel buttons give quick access to the Yamaha CFX and Bösendorfer Imperial piano voices.



### Experience the sound of a grand piano in the comfort of your living room

The CFX and Bösendorfer Imperial sounds in the CLP-825 faithfully reproduce these two distinctive pianos with their colorful and lavishly resonant tones. The full ambience of the sound while playing with headphones eliminates stress.



### Delight in a reassuring grand piano feel

The GrandTouch-S™ keyboard with synthetic ebony and ivory keytops gives you the sense of controlling a grand piano key action to produce just the sound you want to hear. This is a keyboard that is easy to play, even after long periods of time.



### Bluetooth® connectivity makes playing even more fun

Use music apps on your Bluetooth® device to play songs through the Clavinova's speakers, or even play along. You can even connect to the instrument wirelessly using Yamaha's Smart Pianist app.



# CLP SERIES



			CLP-895GP	CLP-885	CLP-875	CLP-845	CLP-865GP	CLP-835	CLP-825
Sound	Tone Generator	CFX and Bösendorfer sampling	✓	✓	✓	✓	✓	✓	✓
		CFX and Bösendorfer binaural sampling	✓	✓	✓	✓	✓	✓	CFX only
		Virtual Resonance Modeling (VRM)	✓	✓	✓	✓	✓	✓	✓
		Grand Expression Modeling	✓	✓	✓	✓	✓	✓	✓
	Voices	Number of Voices	53 Voices + 480 XG Voices + 14 Drum/SFX Kits	53 Voices + 480 XG Voices + 14 Drum/SFX Kits	38	38	38	38	10
		Forte piano Voices	4	4	2	2	2	2	-
	Effect types	Intelligent Acoustic Control (IAC)	✓	✓	✓	✓	✓	✓	✓
		Stereophonic Optimiser	✓	✓	✓	✓	✓	✓	✓
	Sound System	Grand Acoustic Imaging	✓	✓	✓	-	-	-	-
		Amplifiers	(45 W + 45 W + 45 W) × 2	(45 W + 30 W + 40 W) × 2	(45 W + 25 W + 40 W) × 2	(45 W + 45 W) × 2	(45 W + 35 W) × 2	30 W × 2	20 W × 2
Speakers		(16 cm + 8 cm with waveguide + 2.5 cm (dome) with waveguide) × 2	(16 cm with diffuser + 8 cm with diffuser + 2.5 cm (dome) with Bidirectional Horn) × 2	(16 cm + 8 cm with diffuser + 2.5 cm (dome) with Bidirectional Horn) × 2	(16 cm with diffuser + 8 cm with diffuser) × 2	(16 cm with diffuser + 5 cm) × 2	16 cm with diffuser × 2	12 cm with diffuser × 2	
Spruce Cone Speaker		✓	✓	-	-	-	-	-	
Touch & Pedals	Keyboard	Keyboard type	GrandTouch™	GrandTouch™	GrandTouch™	GrandTouch-S™	GrandTouch-S™	GrandTouch-S™	GrandTouch-S™
		Synthetic ebony and ivory keytops	✓	✓	✓	✓	✓	✓	✓
		Escapement	✓	✓	✓	✓	✓	✓	✓
		Wooden white keys	✓	✓	✓	✓	-	-	-
		88-key Linear Graded Hammers	✓	✓	✓	-	-	-	-
		Counterweight	✓	✓	✓	-	-	-	-
	Pedals	GrandTouch™ Pedals	✓	✓	✓	✓	✓	✓	✓
		GP Response Damper	✓	✓	✓	-	-	-	-
And more	Songs	Number of Preset Songs	27 Voice Demo + 50 Classics + 303 Lesson Songs	27 Voice Demo + 50 Classics + 303 Lesson Songs	23 Voice Demo + 50 Classics + 303 Lesson Songs	23 Voice Demo + 50 Classics + 303 Lesson Songs	23 Voice Demo + 50 Classics + 303 Lesson Songs	23 Voice Demo + 50 Classics + 303 Lesson Songs	10 Voice Demo + 50 Classics + 303 Lesson Songs
		Number of Recording Tracks	16	16	16	16	16	16	2
		Recording (MIDI / Audio)	✓	✓	✓	✓	✓	✓	MIDI only
	Functions	Bluetooth® Audio / MIDI	✓	✓	✓	✓	✓	✓	✓
		Dual / Split / Duo	✓	✓	✓	✓	✓	✓	Dual / Duo only
		Rhythms	✓	✓	✓	✓	✓	✓	-
	Control Interface	LCD Display	✓	✓	✓	✓	✓	✓	-
		Touch sensor panel	✓	✓	✓	-	-	-	-
	Connectivity	USB TO DEVICE / HOST	✓	✓	✓	✓	✓	✓	USB TO HOST only

# C S P S E R I E S

## INTRODUCING A FUN AND INNOVATIVE WAY TO LEARN THE PIANO

### Intuitive operation on Yamaha's Smart Pianist app for your smart devices

CSP Series digital pianos are characterised by their sleek design, and feature just the minimum number of buttons and switches for operation. You can also control the instrument from your smart devices by downloading Yamaha's Smart Pianist app. The intuitive app makes it easy to choose from acoustic and electric piano voices, as well as from a variety of other instruments, and switch between venues with different acoustics (e.g. concert hall, cathedral). The app is available in the App Store and Google Play.



### Stream Lights illuminate the keys to play next, making music even more fun

Even if you can't read music, Stream Lights—an innovative way of guiding you to the keys to play next—make practising and improving enjoyable. You can also set the function for the left or right hand only, or slow the tempo at the hard parts to help you practise. There is even a Guide function that pauses the song until you play the correct keys.



### Practise your favorites from among the extensive lineup of preset songs

CSP Series digital pianos come with an ample lineup of preset songs, from pop and classical tunes to practise exercises. Display the sheet music on Yamaha's Smart Pianist app, or use Stream Lights to practise your favorites. You can also add new songs.



### The pinnacle of digital piano quality in terms of both sound and feel

If there is one thing you can only learn from practising on a high-quality piano, it is how to explore the range of musical expression available to you. CSP Series digital pianos deliver amazingly accurate grand piano-like feel by blending the latest technology with the artisan skills and knowledge Yamaha has developed through many years of manufacturing acoustic pianos. This gives you the same wide range of subtle expression and dynamism you would experience on an acoustic piano. The CSP Series lets you enjoy playing with the voices of the CFX—Yamaha's top-flight concert grand piano and the piano of choice at competitions around the world—the warm tones of the Bösendorfer Imperial grand piano, and many more noted pianos, all on a single instrument.

### Audio to Score lets you try your hand at the tunes you want right away

When you want to play a song, but don't know where to begin or what to do, just use the Audio to Score feature included in Yamaha's Smart Pianist app. The app analyses MP3s and other audio song data and creates chord charts with over 50 varieties of accompaniment to suit your playing level. All you have to do is follow the Stream Lights.



- Intuitive operation on Yamaha's Smart Pianist app for your smart devices
- No need to read music—Stream Lights illuminate the keys to play next
- Enjoy an extensive lineup of preset songs in a wide array of genres from pop to classical



### Bring your performance to life with backing Styles

Featuring a wide array of backing Styles, the CSP Series allows you to enjoy great-sounding performances with polished introductions and endings, delivering authentic accompaniments that will enhance your playing across a diverse range of musical genres.



# CSP SERIES

## CSP-295GP



### Grand piano elegance

The gentle curves and elegant silhouette of the CSP-295GP distill the allure of the grand piano into a wholly modern form.



### An acoustic system that recreates the grand piano

In addition to the resonance and dynamic range created by the grand piano shape, the CSP-295GP is equipped with Waveguide which makes the sparkling highs of the instrument resonate far and wide to both players and listeners.



### GrandTouch™ pedals

GrandTouch™ pedals offer the unique feel of a grand piano pedal, heavy when pressed and light on the return, with the fulcrum in a similar position to that on a grand piano. The result is a playing experience close to that of a grand piano.

## CSP-295



### GrandTouch™ keyboard with key counterweights

The long pivot length makes the entire length of each key easy to play, and enhances the touch for a broader range of tone and responsiveness. The counterweights enable greater expressiveness when playing in pianissimo or otherwise with a delicate touch, realistically simulating the feel of playing a grand piano.



### Grand Acoustic Imaging / 3-way speakers / Upright piano design

The bass, mid, and treble speakers are optimally balanced and placed accordingly in the body to simulate the sound image of a grand piano. Additional bidirectional horns deliver an abundance of sound, creating a natural sound field akin to the resonance from a grand piano soundboard.



### Featuring a wide array of contents

Also, the CSP-295 features more than 500 different automatic accompaniment Styles that allow you to enjoy playing with a band or orchestra in a variety of different music genres. Explore new musical experiences by playing together with other instruments!

## CSP-275



### GrandTouch-S™ keyboard with white wooden keys

GrandTouch-S™ keyboard of the CSP-275 features wooden keys that showcase Yamaha's expertise with wood for pianos. Just as with grand piano keyboards, the solid wood is cut from the very best parts of well-dried lumber, making the keys more resistant to warping than keyboards made of laminated wood. The wooden texture and structure of the keys create a more grand piano-like feel.



### 2-way speakers

Individual speakers for the bass and treble ranges produce a clear sound with depth.



### Speaker box

The added speaker box provides the rich bass register of a grand piano, and allows you to enjoy natural reverberation when playing music in different genres.

## CSP-255



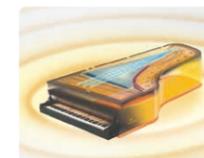
### GrandTouch-S™ keyboard with synthetic ebony and ivory keytops

With grand piano-like consistency and a broad dynamic range of touch from pianissimo to fortissimo, GrandTouch-S™ keyboard offers precise tone control. The synthetic ivory white keys and synthetic ebony black keys make it easy to play for long periods.



### Grand Expression Modeling

The CSP-255 reproduces the diverse tonal variations created by the behavior of the hammers, strings, and of a grand piano. The faithful simulation of the tone variation created by differences in the force and speed with which the keys are pressed and released enables a fuller experience of playing than ever before, helping pianists develop genuine expressive abilities.



### Two incredible concert grand piano voices / Virtual Resonance Modeling

Equipped with Yamaha CFX and Bösendorfer Imperial voices. VRM intricately simulates the full sympathetic vibrations created by the overlapping resonance of the strings and body of a grand piano. The exquisite piano sound makes every song sound great.

# CSP SERIES



		CSP-295GP	CSP-295	CSP-275	CSP-255	
<b>Sound</b>	Tone Generator	CFX and Bösendorfer sampling	✓	✓	✓	
		CFX and Bösendorfer binaural sampling	✓	✓	✓	
		Virtual Resonance Modeling (VRM)	✓	✓	✓	
		Grand Expression Modeling	✓	✓	✓	
	Voices	Number of Voices*	919	919	819	819
	Effect types	Intelligent Acoustic Control (IAC)	✓	✓	✓	✓
		Stereophonic Optimiser	✓	✓	✓	✓
	Sound System	Grand Acoustic Imaging	✓	✓	-	-
		Amplifiers	(50 W + 50 W + 40 W) × 2	(50 W + 50 W + 40 W) × 2	(50 W + 50 W) × 2	40 W × 2
		Speakers	(16 cm + 8 cm + 2.5 cm (dome) with waveguide) × 2 + 20 cm	(16 cm + 8 cm + 2.5 cm (dome) with Bidirectional Horn) × 2	(16 cm + 8 cm) × 2	16 cm × 2
Spruce Cone Speaker		✓	✓	-	-	
Twisted Flare Port		✓	-	-	-	
<b>Touch &amp; Pedals</b>	Keyboard	Keyboard type	GrandTouch™	GrandTouch™	GrandTouch-S™	GrandTouch-S™
		Synthetic ebony and ivory keytops	✓	✓	✓	✓
		Escapement	✓	✓	✓	✓
		Wooden white keys	✓	✓	✓	-
		88-key Linear Graded Hammers	✓	✓	-	-
		Counterweight	✓	✓	-	-
	Pedals	GrandTouch™ Pedals	✓	-	-	-
		GP Response Damper	✓	✓	-	-
<b>And more</b>	Songs	Number of Songs for playback*	403	403	403	403
		Audio To Score*	✓	✓	✓	✓
		Recording (MIDI / Audio)*	✓	✓	✓	✓
	Styles	Number of Styles*	525	525	495	495
	Functions	Stream Lights	✓	✓	✓	✓
		Bluetooth® Audio / MIDI	✓	✓	✓	✓
		Karaoke function*	✓	✓	✓	✓
		Vocal Harmony*	✓	✓	✓	✓
	Connectivity	Microphone jack	✓	✓	✓	✓
		USB TO DEVICE	✓	✓	✓	✓
USB-C		✓	✓	✓	✓	



\*Features available when connected with Smart Pianist

# CVP SERIES

IRRESISTIBLE FOR MUSIC LOVERS

## True-to-life instrument voices



Be inspired by a variety of instruments, each reproduced in perfect detail

From breathy saxophones to ringing guitars and warm, resonant strings, the CVP Series features an impressive collection of natural instrument Voices. Acclaimed Super Articulation technology reproduces the distinctive characteristics of each instrument as you play.

## Explore a wide variety of backing Styles

Liven up your playing with ensemble

Featuring a wide array of backing Styles, the CVP Series allows you to enjoy great-sounding performances with polished introductions and endings, delivering authentic accompaniments that will enhance your playing across a diverse range of musical genres. In the CVP-900 Series, these accompaniments come with dramatically improved sounds, enriching your performances.

## Dive into the band experience

The CVP-900 Series boasts astonishing spatial acoustics and ensemble functionality so realistic that you can almost feel the presence of the other performers around you.



## The sound you've always dreamed of awaits you

Enter the Piano Room, where you can customise everything —from the acoustics of the venue, to the size and character of the piano, and the musicians with whom you're performing. The Clavinova offers a wealth of options to tailor the sound as you like, and even make musical discoveries you never even considered. Let your imagination run wild with Clavinova!

## Sing along with Clavinova

Connect a microphone to your Clavinova and enjoy fun and inspiring Karaoke features. The CVP Series will add natural harmonies to your voice as you sing, and can even mute the vocals of songs from your audio music library. You can view song lyrics\* on the LCD or Smart Pianist app and change the tempo and pitch of the songs themselves.

\*Lyric display is only available when the audio contains the lyric data

## An intuitive interface for music enjoyment



## Guide lamps and touch panel linked with the on-screen score

Featuring many popular songs and classical pieces known around the world, The CVP Series also displays the score while you play, and guide lamps show you which keys to play, making these instruments ideal for practise.

- A variety of instrument voices
- Many different genres of auto accompaniments (Styles) to play along with
- Guide Lamps to teach you how to play
- Mic features to enjoy singing



## Connect to an app for even more enjoyment

For even more enjoyment, connect your CVP-900 Series to the Smart Pianist app, which features an "Audio To Score" function that displays scores for audio tracks, or to the Rec'n'Share app for sharing your own compositions on social media.



# CVP SERIES

## CVP-909GP



### Grand piano elegance

The gentle curves and elegant silhouette of the CVP-909GP distil the allure of the grand piano into a wholly modern form.



### Custom-designed sound system

The specially-designed sound system of the CVP-909GP utilises the entire body of the instrument to provide the deep, resonant sound and broad dynamic range of a grand piano.



### Two incredible grand piano voices

Voices from the CFX, Yamaha's finest concert grand piano, and Bösendorfer's legendary Imperial, with each key sampled individually. Thanks to binaural sampling, CVP Series Clavinova offer a fully immersive concert grand experience, even when using headphones.

## CVP-909



### Experience live performance

Distorted guitars, rotary speaker organs, ethereal strings... this CVP delivers on all fronts, with unprecedented levels of realism. It reproduces the subtle variations that occur when even the most skilled drummer plays, so that you feel just like you're performing with a human drummer in a live band.



### Grand Acoustic Imaging / 3-way speakers

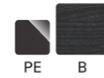
This powerful 3-way system features mid and treble units, as well as bass speakers, all optimally placed in the body to simulate the sound image of a grand piano.



### Key counterweights

Counterweights are embedded in the keys of a grand piano to balance the weight of the hammers for better control when during delicate passages. The Clavinova features carefully adjusted counterweights for improved playability and better key return, and a keyboard adjusted for superb playability and grand piano response.

## CVP-905



### Powerful, refined expressive capabilities

The CVP-905 features an upgraded concert piano sound as well as 227 Super Articulation Voices that accurately represent the sound of a range of instruments, enhancing the expressive power of the player.



### GrandTouch™ keyboard with 88-key Linear Graded Hammers

With no two keys alike, GrandTouch™ keyboard lets pianists play subtle to strong tones more dynamically than ever before, and faithfully reproduce the differences in the weight and return of each key.



### GrandTouch™ pedals

GrandTouch™ pedals offer the unique feel of a grand piano pedal, heavy when pressed and light on the return, with the fulcrum in a similar position to that on a grand piano. The result is a playing experience close to that of a grand piano.

## CVP-701



### A diverse library of sound

From the superb sound of keyboard instruments such as the CFX Yamaha concert grand and the Bösendorfer Imperial, to strings, percussion, and even choirs and other effect sounds, the CVP features a huge variety of voices.



### Styles (Automatic accompaniment)

Enjoy ensemble performances together with a range of different instruments, so that you can play with your own backing band, even when you're on your own.



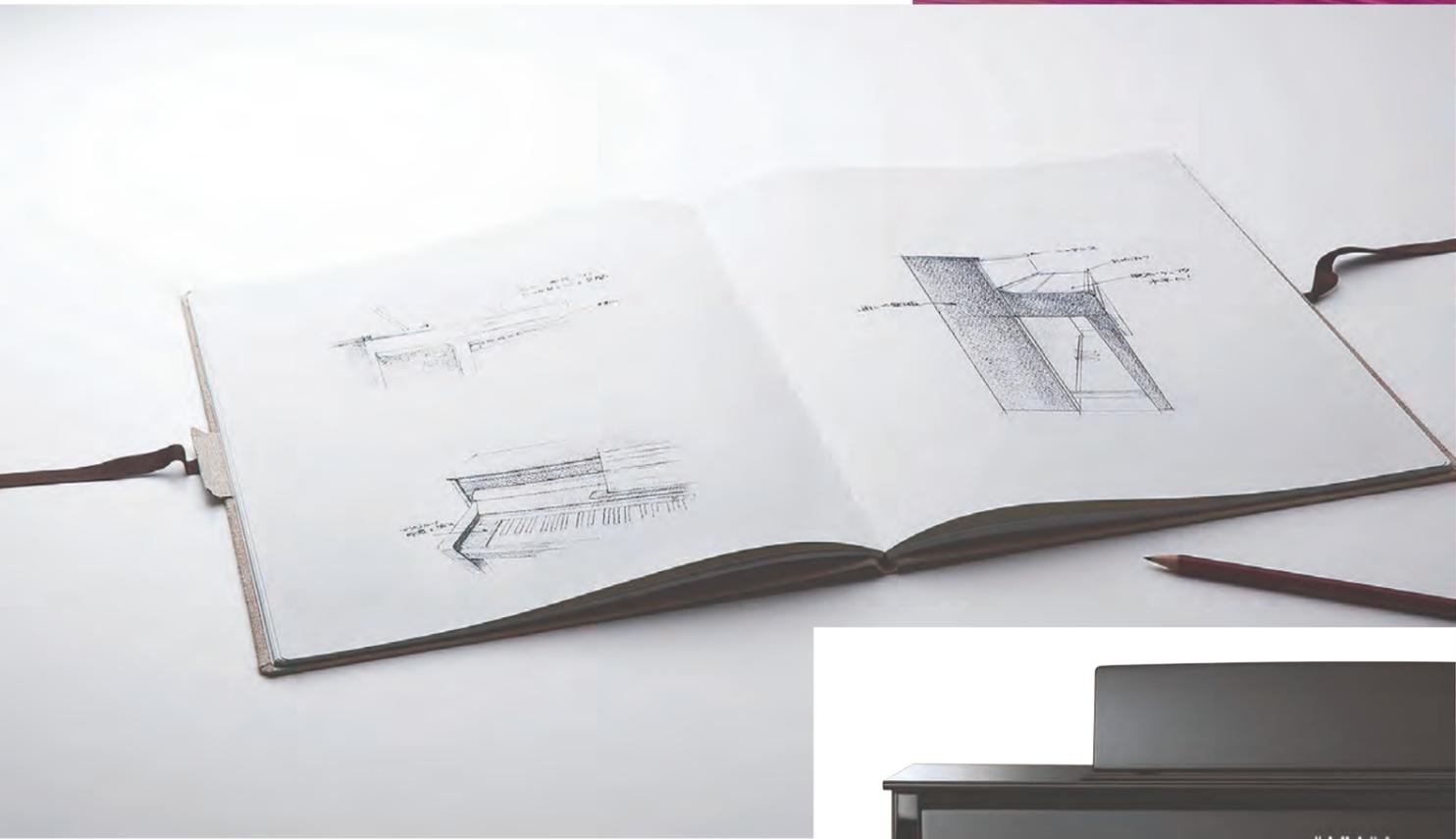
### Comprehensive suite of karaoke functions

Call up song lyrics on the display and connect a microphone to enjoy performing karaoke in the comfort of your own home.

# CVP SERIES

			CVP-909GP	CVP-909	CVP-905	CVP-701	
							
<b>Sound</b>	Tone Generator	CFX and Bösendorfer sampling	✓	✓	✓	✓	
		CFX and Bösendorfer binaural sampling	✓	✓	✓	-	
		Virtual Resonance Modeling (VRM)	✓	✓	✓	✓	
		Grand Expression Modeling	✓	✓	✓	-	
	Voices	Number of Voices	1,605 Voices + 480 XG Voices + 58 Drum/SFX Kits	1,605 Voices + 480 XG Voices + 58 Drum/SFX Kits	1,315 Voices + 480 XG Voices + 49 Drum/SFX Kits	777 Voices + 480 XG Voices + 29 Drum/SFX Kits	
		Number of Super Articulation Voices	S.Art2: 36, S.Art: 301	S.Art2: 36, S.Art: 301	S.Art: 227	S.Art: 49	
	Effect types	Intelligent Acoustic Control (IAC)	✓	✓	✓	✓	
		Stereophonic Optimiser	✓	✓	✓	✓	
	Sound System	Grand Acoustic Imaging	✓	✓	-	-	
		Amplifiers	(40W + 30W + 20W) × 2 + 80W	(40W + 30W + 20W) × 2 + 80W	(45 W + 20 W) × 2	25W x 2	
		Speakers	(16 cm + 5 cm + 2.5 cm (dome)) × 2 + 20 cm	(16 cm + 5 cm + 2.5 cm (dome)) × 2 + 20 cm	(16 cm + 2.5 cm (dome)) × 2	16cm x 2	
		Spruce Cone Speaker	✓	✓	-	-	
		Twisted Flare Port	✓	✓	-	-	
<b>Touch &amp; Pedals</b>	Keyboard	Keyboard type	GrandTouch™	GrandTouch™	GrandTouch™	GH3X	
		Escapement	✓	✓	✓	✓	
		Synthetic ebony and ivory keytops	✓	✓	✓	Synthetic ivory keytops	
		Wooden white keys	✓	✓	✓	-	
		88-key Linear Graded Hammers	✓	✓	✓	-	
		Counterweight	✓	✓	-	-	
	Pedals	GrandTouch™ Pedals	✓	✓	✓	-	
		GP Response Damper	✓	✓	-	-	
	<b>And more</b>	Songs	Number of Preset Songs	50 Classics + 303 Lesson Songs + 60 Popular	50 Classics + 303 Lesson Songs + 60 Popular	50 Classics + 303 Lesson Songs + 60 Popular	65
			Recording (MIDI / Audio)	✓	✓	✓	✓
Styles		Number of Styles	675	675	525	310	
Functions		Guide Lamps	✓	✓	✓	✓	
		Karaoke function	✓	✓	✓	✓	
		Vocal Harmony	✓	✓	✓	-	
		Bluetooth® Audio	✓	✓	✓	-	
Control Interface		Color LCD Display	✓	✓	✓	✓	
		Display size	800 × 480 dots, 9.0 inch	800 × 480 dots, 9.0 inch	800 × 480 dots, 7.0 inch	480 x 272 dots, 4.3 inch	
		Touch Screen	✓	✓	✓	-	
Connectivity		Microphone jack	✓	✓	✓	✓	
		USB TO DEVICE / HOST	2 / 1	2 / 1	2 / 1	1 / 1	





# DESIGN

# PHILOSOPHY



## Limitless expression

What is true grand piano expression? Yamaha continues to search for even better answers to that question. Grand pianos give players the ability to alter the sound with the subtlest differences in technique. Thus, pianists vary the force and speed with which they play to create a wide range of different sounds in order to imbue their performances with texture. However, conventional digital pianos have their limits, and pianists feel that the output is flat compared to that of the grand piano. The Clavinova lineup harnesses the very latest technology to faithfully simulate the wide array of expression available on grand pianos. This helps pianists develop the ability to hear and react to the way they play, an important skill in the study of piano. Clavinova pianos respond to the slightest variations of touch, giving players a wide range of expression and allowing them to sharpen their ability.

## The very best keys and pedals

Since the inception of Clavinova in 1983, Yamaha has developed the digital pianos in this lineup with the aim of achieving the same feel as a grand piano. The keys have an extraordinary impact on the feel of a piano, and Yamaha has focused on delivering grand piano feel in the designs of the keys used in Clavinova pianos. However, that feel cannot be reproduced in digital pianos simply by imitating the structure and shape of the grand piano action, for a variety of reasons. Chief among these is the difference between the way digital pianos emit sounds, and that of grand pianos, which utilise a mechanism in which hammers strike strings. Additionally, grand piano keyboards comprise over 6,000 components working in concert to produce a distinct feel that suffers if even one component is missing or not maintained on a regular basis. Yamaha always prioritises playability, and is constantly refining the digital piano keyboard, innovating and optimising the sound-producing structure and housing used in digital pianos as it seeks to satisfy the need for a compact, durable form. Pedals are another important determinant of playability, and Yamaha's design focuses on the changes in the weight of the pedal felt by the pianist's legs, while also simulating the unmistakable gravity of grand piano pedals to achieve more nuanced pedal operation.

## Lifelike concert grand piano sound

The vitality of the grand piano makes it feel as though it is alive, and Yamaha is committed to equipping Clavinova with the same ability to produce rich, natural sound. This is achieved through the real-time calculation of the sympathetic sounds produced by the reverberations of the entire instrument from simulations of the distinct characteristics of the original sound sources—the Yamaha CFX and the Bösendorfer Imperial. The next challenge is how to deliver the sounds of these renowned concert grand pianos to the player's ears through speakers and headphones with the same full ambience as the real thing. Finally, the essence of the grand piano is captured as a result of exhaustive experimentation, research, and development to properly time the attack after each key is played and match the emitted tones. The ability to intricately adjust all aspects of the sound is made possible by Yamaha technology forged from expert knowledge of sublime pianos.

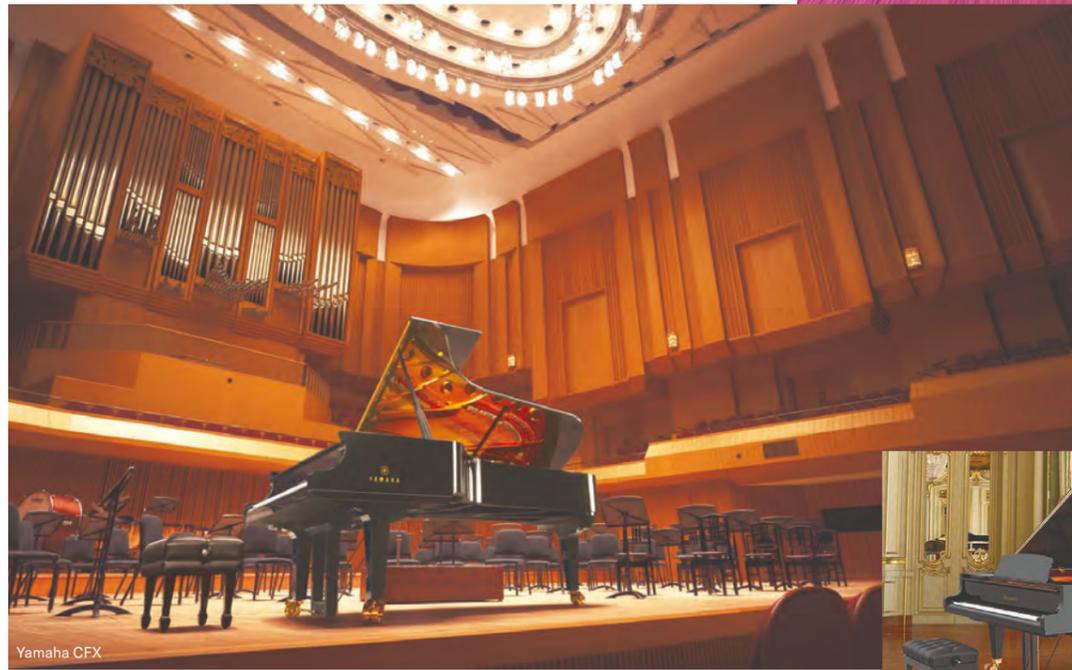
## Acoustic design ideology

Acoustic design is a key element of sound creation. This is because, unlike acoustic pianos, digital pianos emit sounds from speakers. Even with a tone generator of the highest calibre, advanced acoustic design technology is an essential element in allowing an instrument to sound like a grand piano. Key to the Clavinova design is a focus on enveloping the player with sound and reverberation to re-create the pleasing feeling of playing a grand piano. Only Yamaha possesses the acoustic piano and professional audio design capabilities needed to create speakers that emit the highest quality sound. Yamaha's truly unique synergy of experts with innovative sound technology and know-how enables Clavinova pianos to recreate the vivid sound image and sound field of grand pianos.

## Design philosophy

Clavinova pianos boast excellent playability and versatile functions, along with a refined, authentic design that blends a compact form with modern aesthetics in a manner befitting the instrument that sets the contemporary standard for pianos. At the heart of the Clavinova design concept is the way the player feels when they take their seat in front of a Clavinova piano. Unnecessary elements are removed from the player's field of vision to create a convincingly natural space that feels just like sitting at an acoustic piano. This represents Yamaha's consideration to players who practice on Clavinova and perform on grand pianos—they are able to take the stage free of tension or worry because everything feels normal, as it should. A Clavinova piano is a part of the player's everyday life—contemporary accents and colour variation are available to mesh with any interior design or lifestyle.

# TECHNOLOGY



## Sound Quality

### - Tone generation and acoustic technology

A grand piano is a musical instrument composed of 8,000 parts. The complex interaction of each mechanism in the instrument produces various tonal elements that interact with each other to form a richly varied palate of beautiful sound, from clear, resplendent tones to warm resonance. Combining advanced technologies with artisanal techniques cultivated over many years of crafting grand pianos, the Clavinova delivers a richly expressive tone.

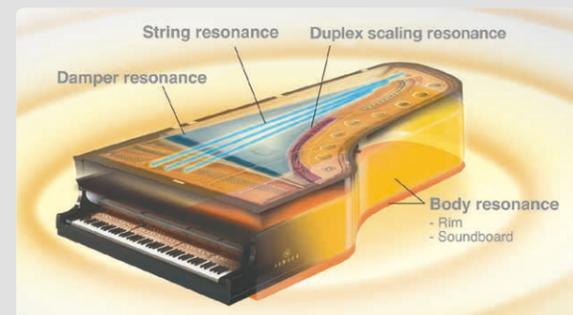
### Yamaha CFX / Bösendorfer Imperial voices

The Clavinova features grand piano sounds recorded from two world-renowned concert grand pianos. One of them is the CFX, Yamaha's top-flight concert grand piano that has dazzled pianists in concert halls around the world with its richly expressive sound. The other instrument featured is the Imperial, the flagship grand piano from Bösendorfer, a time-honored Viennese brand with an ardent following. The Imperial is known for its abundance of color and natural, warm feeling. Yamaha faithfully reproduces the idiosyncrasies of these concert grand pianos by carefully recording the entire tonal range of each of the 88 keys on the keyboard, making minute adjustments to capture the most harmonious tones each piano has to offer.

### Virtual Resonance Modeling

One of the allures of the grand piano is the sympathetic resonance created by the vibration of the entire instrument. Clavinova pianos\* elaborately reproduce this rich sympathetic resonance through a groundbreaking technology called Virtual Resonance Modeling (VRM). VRM creates a richly varied sound by simulating the complex sympathetic tones created when the vibrations of the strings are propagated to the soundboard and other strings, corresponding to the timing and intensity of key playing and pedalling. The CLP Series pianos even replicate the sounds the dampers make when they are raised off the strings, in addition to the resonance of the duplex scaling, strings, soundboard, and case. Clavinova pianos allow you to enjoy the same momentary dynamics and deep sympathetic sounds that are produced by the entire body of a grand piano.

\*There are differences in the resonance produced by each product.



### Binaural Sampling / Stereophonic Optimiser for headphones

Binaural sampling is a method of sampling in which special microphones are placed on a mannequin's head in the same positions as the pianist's ears to capture piano sounds the way that they sound in reality. We chose this method to create the ambience and full, natural resonance of acoustic pianos in Clavinova pianos. This makes pianists feel as though they are sitting at a grand piano even when they play with headphones on. The experience is so pleasant that they forget they are wearing headphones, no matter how long they continue to play.

On Clavinova pianos, binaural sampling was used for the Bösendorfer Imperial as well as the Yamaha CFX. Yamaha achieves higher-definition binaural sound with a specially developed mannequin head and model ears used for the recording.

We also developed the Stereophonic Optimiser function to achieve the same effect for the piano effects. Stereophonic Optimiser technology replicates the natural diffusion of sound in headphones nearly as closely as binaural sampling for the piano voices other than the CFX and Imperial.

Binaural sampling of the Bösendorfer Imperial is not included on the CLP-825, while the CVP-701 does not feature binaural sampling.



### Grand Acoustic Imaging

When a pianist plays a grand piano, they cause the entire body of the instrument to reverberate, and become enveloped in the colourful tones created from the combination of various acoustic elements in the air around them. The pianist becomes immersed in the diffusing sound and reverberation. The high-end models\* of the Clavinova deliver this pleasant feeling through Grand Acoustic Imaging. The latest acoustic design and measuring technology create the same sound image and sound field of a grand piano despite the compact size of the digital piano. We optimally balanced and placed the bass, mid, and treble speakers to achieve the sound radiation and centroid characteristic of grand pianos so that each and every tone played through the speakers sounds like it was emitted from the proper place on an actual grand piano. The speaker placement and balancing replicates the sensation of the hammers striking the strings in front of the pianist, and the reverberations from the strings dissipating away from them.

\*Featured on the CLP-875 / 885 / 895GP, CSP-295 / 295GP, CVP-909 / 909GP



### Classic fortepiano voices

The fortepiano is a period instrument played by Mozart, Beethoven, Chopin, and other composers before the modern piano was developed. Some models in the CLP-800 Series\* feature as many as four fortepiano voices in the hope that playing a period instrument will help pianists to feel the composers' intent more intuitively by allowing them to experience the notation on the sheet music of centuries-old songs more faithfully. The sounds of fortepianos decay much more quickly than modern pianos, and the composers' intent in terms of timing and length becomes clearer when pedalling a fortepiano according to the sheet music. Moreover, when pianists return to playing with modern piano voices, the Clavinova offers new insights into how to express things on a modern piano. It is our hope that providing classical piano students with the opportunity to play fortepianos deepens their understanding of the musicality and historical background of the all-time great composers.

\*Classic fortepiano voices are not included on the CLP-825. The fortepianos shown in the picture are from the collections of the Hamamatsu Museum of Musical Instruments.



### Spruce Cones and Twisted Flare Ports

Drawing from our experience in building both acoustic pianos and speakers for professional audio products, speaker cones in high-end models\* of Clavinova use pulp from the same spruce wood used to make acoustic piano sound boards. The result is a more natural, piano-like attack to the sound that is more piano-like when you play the keys. The Twisted Flare Port, which is used on CSP-295GP and CVP-909 / 909GP, offers a clearer bass sound. The flared and gently twisted shape evenly diffuses the air flow through the port. Compared to a conventional port, the Twisted Flare Port reduces air turbulence noise, contributing to clear and accurate low frequency reproduction.

\*Spruce Cones featured on the CLP-885 / 895GP, CSP-295 / 295GP, CVP-909 / 909GP



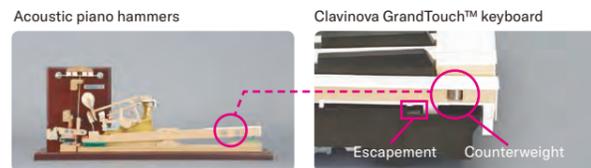
## Playability

### - Keys and pedals

Through their centuries-long evolution, grand pianos have acquired their defining structural attributes as well as clever mechanisms for enhancing playability. Clavinova pianos replicate the true grand piano feel thanks to Yamaha's detailed study of the underlying mechanics of the instrument and the sensations experienced by piano players. Examples of Yamaha's ingenuity abound. The weight and return of each and every key is calibrated to replicate the sensation of playing that same key on a grand piano. The repetition mechanism relies on three proprietary sensors that detect the slightest nuances of key movement to faithfully render the articulation of trills and other repeated notes.

Many other mechanisms bring the playability of Clavinova pianos as close as possible to that of a grand piano, including the escapement mechanism that prevents the hammers from dampening the vibrations of the strings after they are struck, and counterweights\* embedded in each key to balance the weights of the keys against the action, enhancing sensitivity to the softest, most delicate articulation. The pedals and key materials also affect playability—after all, they are what a pianist touches to play the instrument. Thus, Yamaha replicated the grand piano experience with highly absorbent, slip-resistant key materials and realistic-feeling pedals that alter the tone as expected.

\*Featured on the CLP-885 / 895GP, CSP-295 / 295GP, CVP-909 / 909GP



### GrandTouch™ / GrandTouch-S™ keyboards

The GrandTouch™ and GrandTouch-S™ keyboards were designed around the concept of “a keyboard with the feel of a grand piano action,” with the goal of allowing pianists to feel the keyboard with their fingertips in the same way as they would when playing a grand piano, and from there to create exactly the sound that they are looking for. Specifically, these keyboards are notable for their responsiveness, offering everything from light, delicately nuanced tones to boldly powerful notes in answer to the strength with which the pianist plays the keys.

The highly consistent grand piano hammers replicate the pleasing response felt when the hammers strike the strings. Highly absorbent synthetic-ivory white keys and synthetic-ebony black keys prevent slipping even during extended play and feel just like those of a grand piano.

Moreover, the GrandTouch™ keyboard features white wooden keys.\* With the longest-ever pivot length on a Yamaha digital piano, the keys are easy to play from the edge to the back. Finally, Yamaha's 88-key Linear Graded Hammers have been meticulously designed and are the only digital pianos to provide a distinctive feel and touch for each key, faithfully recreating the weight and response of corresponding keys on a grand piano.

Featured on all Clavinova pianos other than CVP-701  
\*Some GrandTouch-S™ keyboard also features white wooden keys.



### GH3X keyboard

Graded Hammer 3X (GH3X) keyboard captures the touch of a grand piano by replicating the natural key return and response created by the weight of the hammers, and making the bass keys feel heavy while the treble keys feel light. Each key is equipped with three sensors for repeated note performance very close to that of a grand piano. The sensors lend an animated feel to the repeated notes and airy trills that appear in Für Elise and many other songs.

Featured on the CVP-701

### GrandTouch™ pedals / GP Response Damper

GrandTouch™ pedals are designed to look similar to grand piano pedals, and changes in the resistance the player feels in their feet are quite similar to those on a grand piano thanks to clever material design and mechanical improvements, including positioning the pivots in the same positions as on grand piano pedals.

We design the pedals so that the resistance is lower on release, just like on a grand piano, making pedalling, less tiring and giving the player more control. This allows more accurate pedalling, for more nuanced, delicate changes in sonic expression.

High-end models\* of the Clavinova feature a GP Response Damper pedal with a light resistance when first pressed that becomes heavier as the pedal effect becomes more pronounced, offering the pianist a similar pedal feel to those of a grand piano when playing.

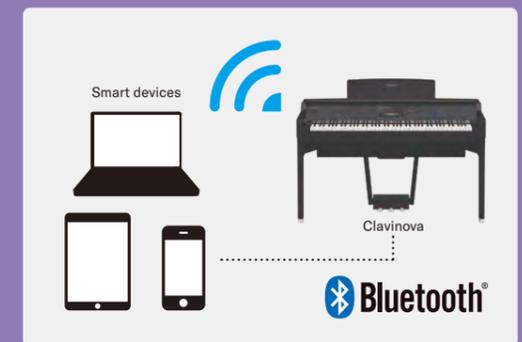
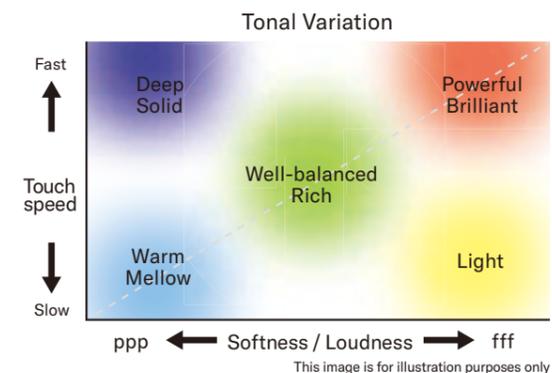
GrandTouch™ pedals are not included on the CSP-255 / 275 / 295, CVP-701.  
\*Featured on the CLP-875 / 885 / 895GP, CSP-295 / 295GP, CVP-909 / 909GP

## Sensitivity

### - Grand Expression Modeling

The interaction and interplay of the hammers, dampers, and strings inside a grand piano respond to the subtlest nuances of the pianist's touch, creating a limitless range of tonal expression. Touch refers to the pianist's control, not only of intensity (softness/loudness) in playing and releasing the keys, but also of the speed and depth with which the keys are pressed. The Grand Expression Modelling introduced in the Clavinova translates the widely varied input from the pianist's fingers into the same limitless tonal variation of a grand piano. This makes it possible to vary the output by playing the keys to different depths and with different speeds, even when using techniques such as trills or legato or emphasising the melody over the accompaniment. Grand Expression Modelling excels at faithfully reproducing the output expected of these techniques in many well-known songs. In Debussy's "Clair de Lune," a loose touch creates the faint tone that makes the melody stand out more crisply. In Liszt's "Un Sospiro," the accompanying arpeggios accent the melody without overwhelming it, and varied expression of the melody gives it the same quality as vocals. In the last of the Chopin nocturnes, trills, legato, and other delicate techniques where fingers seem to float over the keys deliver the airy, smooth tonal expression required. Playing such pieces on a highly expressive piano helps the pianist learn various techniques and experience the same joy of expression as a painter, but through sound.

Grand Expression Modeling is not featured on the CVP-701.



### Connect wirelessly with Bluetooth® audio

You can play music through the audio system in the Clavinova by using a Bluetooth®-enabled smart device. You can stream audio data such as mp3 files, as well as audio from apps. You can enjoy playing along with any songs on your smart device.

Featured on all Clavinova pianos other than CVP-701

### Multi-track song recorder

The recording function featured in Clavinova digital pianos allows you to record your performances\* with a single touch, which is useful when you want to review your playing objectively. Additionally, you can record up to 16 tracks\*\* for simultaneous playback, so different hands can be recorded separately or overdub parts with different voices.

\* Recordings are made in MIDI format, and can also be recorded to USB flash memory. Compatible software is required for playback of recorded data on a computer.

\*\* Two tracks on the CLP-825

### USB Audio Recorder

Record performances to USB flash memory and create audio files\* you can save and play back on a computer, share with friends or create a CD.

Featured on the CLP-835 / 845 / 875 / 885 / 865GP / 895GP, CVP-701 / 905 / 909 / 909GP

\*Data is saved in WAV format. The CVP-905 / 909 / 909GP also allow MP3 format.

# RELATED APPS

USE THEM TOGETHER TO EXPAND YOUR MUSICAL HORIZONS



## Rec'n'Share

Use the Rec'n'Share app to connect your instrument to a smart device, and then create and share audio and video recordings of you playing along with your favorite songs.

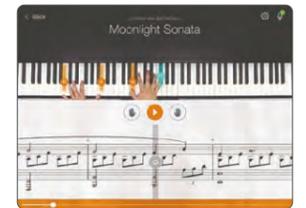
Only supported on the CVP-900 Series



## flowkey

The flowkey application offers lessons specially designed for beginners or those who haven't played for a long time to practice at their own pace. flowkey is available on a paid subscription basis, and can be used with any musical instrument.

flowkey is offered by flowkey GmbH.



You'll be amazed at how quickly using the flowkey piano learning app with your Yamaha digital piano will let you learn to play your favorite music. flowkey provides a music score as well as video for you to check fingering with.



## Smart Pianist

Smart Pianist is a free application for use with Yamaha digital pianos / hybrid pianos that can create song data from PDF scores and then play it back, as well as analyse song data stored in your smart device and display chord progressions or piano accompaniment scores. Combining Smart Pianist with a Clavinova makes it easier to enjoy playing the songs you want to play and increase your performance repertoire.

Smart Pianist is not compatible with the CVP-701. Information on the Smart Pianist functions that can be used with your piano, instructions on how to connect it, and details on how to use Smart Pianist is available on the Yamaha website.



## Generate song data from PDF scores to enhance your practice

Smart Pianist lets you generate song data from PDF scores and play it back, helping you gain a feel for the song you are practising. Use Auto Scroll mode\* when practising to have Smart Pianist analyse your performance, highlight the section of the score you are playing, and scroll the score automatically to match your progress through the piece.

\*This feature is available for the CLP-800 Series only. (as of June 2024)

## Create scores automatically from song data to broaden your repertoire

Smart Pianist displays notation for the built-in songs on your Clavinova and can analyse songs on your smart devices to create chord progressions for you to follow. On the CSP and CVP Series, Smart Pianist can also create piano accompaniment scores automatically, allowing you to view the scores of your favorite songs as you play them.

## Make adjustments with ease!

You can use Smart Pianist to adjust parameters such as reverbation easily and intuitively on the CLP and CSP Series, as well as performing a range of other operations such as selecting voices and layering or splitting the keyboard.

Smart Pianist website



The functions and displays differ depending on your instrument, smart device, and the version of the app you are using. Information on this page is subject to change without notice.

# SPECIFICATIONS

## CLP Series

		CLP-895GP	CLP-885	CLP-875	CLP-845	CLP-865GP	CLP-835	CLP-825
Keyboard	Number of Keys	88						
	Type	GrandTouch™ keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement			GrandTouch-S™ keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement		GrandTouch-S™ keyboard: synthetic ebony and ivory key tops, escapement	
	Touch Sensitivity	Hard2, Hard1, Medium, Soft1, Soft2, Fixed						
	88-key Linear Graded Hammers	Yes					-	
	Counterweight	Yes					-	
Voices	Tone Generator	Piano Sound	Yamaha CFX, Bösendorfer Imperial					
		Binaural Sampling	Yes (CFX Grand and Bösendorfer only)					
		VRM	Yes					
		Grand Expression Modelling	Yes					
	Polyphony (max.)	256						
Number of Voices	53 Voices + 480 XG Voices + 14 Drum/SFX Kits			38		10		
Pedals	Number of Pedals	3: Damper (with half-pedal function), Sostenuto, Soft						
	Type	GrandTouch™ pedals with GP Response Damper				GrandTouch™ pedals		
Effects	Reverb / Chorus / Others	Reverb: 7 / Chorus: 3 / Brilliance: 7 + User / Insertion Effect: 12						
	Intelligent Acoustic Control (IAC)	Yes						
	Stereophonic Optimiser	Yes						
	Dual / Split / Duo	Yes / Yes / Yes						Yes / - / Yes
Songs	Number of Preset Songs	27 Voice Demo + 50 Classics + 303 Lesson Songs			23 Voice Demo + 50 Classics + 303 Lesson Songs		10 Voice Demo + 50 Classics + 303 Lesson Songs	
	MIDI Recording	Number of Songs	250					
		Number of Tracks	16					
	Audio Recording (USB flash drive)	Recording Time (max.)	80 minutes/Song					
Recording / Playback		WAV (44.1 kHz, 16-bit, stereo)						
Functions	Number of Rhythms	20						
	Piano Room	Yes						
	Bluetooth® Audio / MIDI*	Yes						
	Others	Metronome, Tempo Range, Transpose, Tuning, Scale Type, etc.						
Storage	Internal Memory	Approx. 1.4 MB						
	External Memory	USB flash drive						
Connectivity	USB TO DEVICE	Type A						
	USB TO HOST	Type B						
	Other Connectors	Standard stereo phone jack (x 2), AUX IN (Stereo Mini), AUX OUT (L/L+R, R)						
Sound System	Amplifiers	(45 W + 45 W + 45 W) x 2	(45 W + 30 W + 40 W) x 2	(45 W + 25 W + 40 W) x 2	(45 W + 45 W) x 2	(45 W + 35 W) x 2	30 W x 2	20 W x 2
	Speakers	(16 cm + 8 cm with waveguide + 2.5 cm (dome) with waveguide) x 2, Spruce Cone Speaker	(16 cm with diffuser + 8 cm with diffuser + 2.5 cm (dome) with Bidirectional Horn) x 2, Spruce Cone Speaker	(16 cm + 8 cm with diffuser + 2.5 cm (dome) with Bidirectional Horn) x 2	(16 cm with diffuser + 8 cm with diffuser) x 2	(16 cm with diffuser + 5 cm) x 2	16 cm with diffuser x 2	12 cm with diffuser x 2
Power Supply	AC Adaptor	PA-500						
	Power Consumption	60 W (When using PA-500 AC adaptor)	55 W (When using PA-500 AC adaptor)	30 W (When using PA-500 AC adaptor)	55 W (When using PA-500 AC adaptor)	18 W (When using PA-300C AC adaptor)	12 W (When using PA-300C AC adaptor)	
Display	Type	Full Dots LCD						
	Language	English, Japanese						
Panel	Type	Touch sensors			Buttons			
	Language	English						
Cabinet	Key Cover Style	Sliding	Folding	Sliding				
	Music Rest	Yes (with music braces)						
Size (W x H x D) (with Music Rest Raised / Lid up)	CLP-895GP / 895GPWH: 1,430 x 1,577 x 1,237 mm [56-5/16" x 62-1/16" x 48-11/16"]	CLP-885PE / 885PWH: 1,467 x 1,029 x 494 mm [57-3/4" x 40-1/2" x 19-7/16"] CLP-885B: 1,461 x 1,027 x 494 mm [57-1/2" x 40-7/16" x 19-7/16"]	CLP-875PE: 1,455 x 1,131 x 465 mm [57-5/16" x 44-1/2" x 18-5/16"] CLP-875B / 875R / 875WB / 875WH: 1,450 x 1,130 x 465 mm [57-1/16" x 44-1/2" x 18-5/16"]	CLP-845PE: 1,455 x 1,092 x 460 mm [57-5/16" x 43-0" x 18-1/8"] CLP-845B / 845R / 845WB / 845WH: 1,450 x 1,091 x 460 mm [57-1/16" x 42-15/16" x 18-1/8"]	CLP-865GP / 865GPWH: 1,430 x 1,400 x 1,146 mm [56-5/16" x 55-1/8" x 45-1/8"]	CLP-835PE: 1,455 x 1,084 x 460 mm [57-5/16" x 42-11/16" x 18-1/8"] CLP-835B / 835R / 835WB / 835WH: 1,450 x 1,083 x 460 mm [57-1/16" x 42-5/8" x 18-1/8"]	CLP-825PE: 1,353 x 1,005 x 411 mm [53-1/4" x 39-9/16" x 16-3/16"] CLP-825B / 825R / 825WH: 1,350 x 1,003 x 411 mm [53-1/8" x 39-1/2" x 16-3/16"]	
	Weight	CLP-895GP / 895GPWH: 135 kg (297 lb, 10 oz)	CLP-885PE / 885PWH: 90 kg (198 lb, 7 oz) CLP-885B: 87 kg (191 lb, 13 oz)	CLP-875PE: 74 kg (163 lb, 2 oz) CLP-875B / 875R / 875WB / 875WH: 71 kg (156 lb, 8 oz)	CLP-845PE: 63 kg (139 lb, 14 oz) CLP-845B / 845R / 845WB / 845WH: 60 kg (132 lb, 4 oz)	CLP-865GP / 865GPWH: 106 kg (233 lb, 11 oz)	CLP-835PE: 60 kg (132 lb, 4 oz) CLP-835B / 835R / 835WB / 835WH: 57 kg (125 lb, 11 oz)	CLP-825PE: 47 kg (103 lb, 10 oz) CLP-825B / 825R / 825WH: 45 kg (99 lb, 3 oz)
Optional Accessories**	Headphones: HPH-150 / 100 / 50, Pedal unit: FC35, USB wireless LAN adaptor: UD-WL01						Headphones: HPH-150 / 100 / 50, Pedal unit: FC35	



\* Availability of Bluetooth® functions varies by country.

\*\* Availability of optional accessories varies by area. Additional items (e.g. UD-WL01, Internet access) may be required to access certain functions.

# SPECIFICATIONS

## CSP Series

		CSP-295GP	CSP-295	CSP-275	CSP-255
Keyboard	Number of Keys	88			
	Type	GrandTouch™ keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement		GrandTouch-S™ keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement	GrandTouch-S™ keyboard: synthetic ebony and ivory key tops, escapement
	Touch Sensitivity	Hard2, Hard1, Medium, Soft1, Soft2, Fixed			
	88-key Linear Graded Hammers	Yes		-	-
	Counterweight	Yes		-	-
Voices	Tone Generator	Piano Sound	Yamaha CFX, Bösendorfer Imperial		
		Binaural Sampling	Yes (CFX Concert Grand and Bösendorfer Grand only)		
		VRM	Yes		
		Grand Expression Modelling	Yes		
	Polyphony (max.)	256		256	
Number of Voices	872 Voices + 47 Drum/SFX Kits		772 Voices + 47 Drum/SFX Kits		
Compatibility	XG, GS, GM, GM2				
Pedals	Number of Pedals	3: Damper (with half-pedal function), Sostenuto, Soft			
	Type	GrandTouch™ pedals		-	
	GP Response Damper	Yes		-	
Effects	Reverb / Chorus / Others	Reverb (65 Preset)			
	Intelligent Acoustic Control (IAC)	Yes			
	Stereophonic Optimiser	Yes			
	Vocal Harmony	44 Preset			
	Dual (Layer) / Split / Octave	Yes			
Styles	Number of Preset Styles	525		495	
	Fingering	Chord Detection Area: Full / Lower			
	Style Control	INTRO x 1, ENDING x 1, MAIN x 4, FILL IN x 4			
	Music Finder (max.)	-			
	One Touch Setting (OTS)	-			
Songs	Number of Preset Songs	403			
	MIDI Recording	Data Capacity	Depending on the smart device		
		Number of Tracks	16		
	Audio Recording	Recording / Playback	Recording: SMF (Format 0) / Playback: SMF (Format 0 & 1), XF		
		Recording Time (max.)	Depending on the smart device		
Recording / Playback	Recording: WAV, AAC / Playback: Supported format by the smart device				
Functions for Audio Songs	Time Stretch, Pitch Shift, Melody Suppressor				
Functions	Guide Lamps / Stream Lights	Stream Lights (4 steps)			
	Audio to Score	Yes			
	Piano Room	Yes			
	Registration Memory	Yes			
	Bluetooth® Audio / MIDI*	Yes			
Storage	Internal Memory	Depending on the smart device			
	External Memory	-			
Connectivity	USB Connection	USB TO DEVICE, USB-C			
	Other Connectors	Standard stereo phone jack (x2), MIC (Mic/Line In (standard mono phone jack), Input volume), MIDI (IN, OUT, THRU), AUX IN (Stereo Mini), AUX OUT (L/L+R, R)			
Sound System	Amplifiers	(50 W + 50 W + 40 W) x 2		(50 W + 50 W) x 2	40 W x 2
	Speakers	(16 cm + 8 cm + 2.5 cm (dome) with waveguide) x 2 + 20 cm, Spruce Cone Speaker, Twisted Flare Port	(16 cm + 8 cm + 2.5 cm (dome) with Bidirectional Horn) x 2, Spruce Cone Speaker	(16 cm + 8 cm) x 2	16 cm x 2
Display	Type / Size	Depending on the smart device			
	Language	26 Languages (English, Japanese, German, French, Spanish, etc.)			
Panel	Language	English			
	Key Cover Style	Sliding	Folding	Sliding	
Cabinet	Key Cover Style	Sliding	Folding	Sliding	
	Music Rest	Yes (with music braces)			
Size (W x H x D) (with Music Rest Raised / Lid up)	CSP-295GP / 295GPWH:	1,430 x 1,580 x 1,237 mm [56-5/16" x 62-3/16" x 48-11/16"]		CSP-275PE:	1,418 x 1,041 x 466 mm [55-13/16" x 41" x 18-3/8"]
	CSP-295B:	1,437 x 1,127 x 484 mm [56-9/16" x 44-7/16" x 19-1/16"]		CSP-255PE:	1,412 x 1,041 x 465 mm [55-9/16" x 41" x 18-5/16"]
Weight	CSP-295GP / 295GPWH:	133 kg (293 lb, 3 oz)		CSP-275PE:	69 kg (152 lb, 2 oz)
	CSP-295B:	104 kg (229 lb, 4 oz)		CSP-255PE:	61 kg (134 lb, 8 oz)
Optional Accessories**	Headphones: HPH-150 / 100 / 50, Foot Switches: FC4A / FC5, Foot Controller: FC7, USB Wireless LAN Adaptor: UD-WL01				

\* Availability of Bluetooth® function varies by country.  
 \*\* Availability of optional accessories varies by area.  
 Some functions in the CSP Series specification chart are limited without the Smart Pianist.

## CVP Series

		CVP-909GP	CVP-909	CVP-905	CVP-701
Keyboard	Number of Keys	88			
	Type	GrandTouch™ keyboard: wooden keys (white only), synthetic ebony and ivory key tops, escapement			GH3X (Graded Hammer 3X) keyboard: synthetic ivory key tops, escapement
	Touch Sensitivity	Hard2, Hard1, Medium, Soft1, Soft2			
	88-key Linear Graded Hammers	Yes		-	
	Counterweight	Yes		-	
Voices	Tone Generator	Piano Sound	Yamaha CFX, Bösendorfer Imperial		
		Binaural Sampling	Yes (CFX Concert Grand and Bösendorfer Grand only)		
		VRM	Yes		
		Grand Expression Modelling	Yes		
Polyphony (max.)	256		256		
Preset	Number of Voices	1,605 Voices + 480 XG Voices + 58 Drum/SFX Kits		1,315 Voices + 480 XG Voices + 49 Drum/SFX Kits	777 Voices + 480 XG Voices + 29 Drum/SFX Kits
	VRM Voices	17		14	10
	Super Articulation Voices	S.Art2: 36, S.Art: 301		S.Art: 227	S.Art: 49
Compatibility	XG, GS (for Song playback), GM, GM2				
Pedals	Number of Pedals	3: Damper (with half-pedal function), Sostenuto, Soft			
	Type	GrandTouch™ pedals with GP Response Damper		GrandTouch™ pedals	
Effects	Assignable Functions	Sustain, Sostenuto, Soft, Glide, Song Play/Pause, Style Start/Stop, Volume, etc.			
	Reverb / Chorus / Others	Reverb (65 Preset + 30 User), Chorus (107 Preset + 30 User), Insertion Effect (358 Preset + 30 User), Variation Effect (358 Preset + 30 User)		Reverb (65 Preset + 30 User), Chorus (106 Preset + 30 User), Insertion Effect (322 Preset + 30 User), Variation Effect (322 Preset + 30 User)	
	Intelligent Acoustic Control (IAC)	Yes			
	Stereophonic Optimiser	Yes			
	Vocal Harmony	54 Preset + 60 User			
Styles	Other Types	Master Compressor (5 Preset + 30 User), Master EQ (5 Preset + 30 User), Part EQ (27 Parts)			Master Compressor (5 Preset + 5 User), Master EQ (5 Preset + 2 User), Part EQ (27 Parts)
	Dual (Layer) / Split	Yes			
	Number of Preset Styles	675		525	310
	File Format	Style File Format (SFF), Style File Format GE (SFF GE)			
	Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard			
Songs	Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3			
	Playlist (max.)	2,500 Records		-	
	Music Finder (max.)	-		1,200 Records	
	One Touch Setting (OTS)	4 for each Style			
	Number of Preset Songs	50 Classics + 303 Lesson Songs + 60 Popular		65	
MIDI Recording	Data Capacity	Approx. 3 MB/Song			Approx. 300 KB/Song
	Number of Tracks	16			
Audio Recording	Recording / Playback	Recording: SMF (Format 0) / Playback: SMF (Format 0 & 1), XF			
	Recording Time (max.)	80 minutes/Song			
Recording / Playback	Recording: WAV (44.1 kHz, 16-bit, stereo), MP3 (MPEG-1 Audio Layer-3)				
Functions for Audio Songs	Time Stretch, Pitch Shift, Melody Suppressor				
Functions	Guide Lamps / Stream Lights	Guide Lamps (1 step)			
	Audio to Score**	Yes		-	
	Piano Room	Yes			
	Registration Memory	Yes (8 buttons)			
	Display Out	Yes (by using a commercially available USB display adaptor)			
Storage	Internal Memory	Approx. 2 GB		-	
	External Memory	USB flash drive			
Connectivity	USB Connection	USB TO DEVICE x 2, USB TO HOST			USB TO DEVICE, USB TO HOST
	Other Connectors	Standard stereo phone jack (x2), MIC (Mic/Line In (standard mono phone jack), Input volume), MIDI (IN, OUT, THRU), AUX IN (Stereo mini), AUX OUT (L/L+R, R), AUX PEDAL			
Sound System	Amplifiers	(40 W + 30 W + 20 W) x 2 + 80 W		(45 W + 20 W) x 2	25 W x 2
	Speakers	(16 cm + 5 cm + 2.5 cm (dome)) x 2 + 20 cm, Spruce Cone Speaker, Twisted Flare Port		(16 cm + 2.5 cm (dome)) x 2	
Display	Type / Size	TFT Color LCD / 800 x 480 dots 9.0 inch		TFT Color LCD / 800 x 480 dots 7.0 inch	TFT Color LCD / 480 x 272 dots 4.3 inch
	Touch Screen	Yes			
Panel	Language	English, German, French, Spanish, Italian, Japanese			
	Language	English			
Cabinet	Key Cover Style	Folding			Sliding
	Music Rest	Yes (with music braces)			
Size (W x H x D) (with Music Rest Raised / Lid up)	CVP-909GP / 909GPWH:	1,430 x 1,554 x 1,236 mm [56-5/16" x 61-3/16" x 48-11/16"]		CVP-905PE:	1,423 x 1,027 x 593 mm [56-0" x 40-7/16" x 23-3/8"]
	CVP-909B:	1,426 x 1,027 x 612 mm [56-1/8" x 40-7/16" x 24-1/8"]		CVP-701B:	1,352 x 1,065 x 595 mm [53-3/8" x 42" x 23-7/16"]
Weight	CVP-909GP / 909GPWH:	130 kg (286 lb, 10 oz)		CVP-905PE:	84 kg (185 lb, 3 oz)
	CVP-909B:	82 kg (180 lb, 12 oz)		CVP-701B:	61.5 kg (135 lb, 9 oz)
Optional Accessories**	Headphones: HPH-150 / 100 / 50, Foot Switches: FC4A / FC5, Foot Controller: FC7, USB Wireless LAN Adaptor: UD-WL01				

\* Availability of Bluetooth® function varies by country.  
 \*\* Availability of optional accessories varies by area.  
 \*\*\* Available when using Smart Pianist app

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