



Band & Orchestral Division



Sales Manual

Clarinet

■ Content

3	Introduction
4/5	Yamaha's unique strengths
6	Student Clarinet YCL-255
7	Intermediate Clarinet YCL-450
8/9	Intermediate Clarinet YCL-450M Duet+ NEW
10	Introduction to Yamaha Professional Clarinets
11	Professional Clarinet YCL-650
12	Custom Clarinets CX-Series
13	Custom Clarinets V-Series
14/15	Custom Clarinets CSGIII-Series
16	Professional Eb-Alto Clarinet
17	Professional and Custom Eb-Clarinets
18/19	Student and Professional Bass Clarinets
20	Glossary

■ Introduction

You'll find Yamaha instruments in the hands of musicians of all ages and levels all over the world.

Whether we are making a professional level instrument or a student model, the aim is to provide the musician with an instrument that sounds and plays as well as possible, is reliable, and is good for both the user and the environment.

Much like making music, crafting instruments is an art that requires dedication and a passion for perfection.

Through our art, we bring the instrument to form, through the musician's art, that form comes to life.

We take great pride in passing our art to musicians young and old, and watching them mature and bloom with the products we make.



Yamaha's unique strengths

■ Research & Development

Research and development is at the heart of Yamaha's musical instrument making and as a result, Yamaha holds thousands of both domestic and international patents.

Many of these patents were developed in Yamaha's Worldwide network of Ateliers where professional players and craftsmen come together to develop new ways to improve instruments.

These developments are then tried and tested before being introduced to Yamaha's standard production.



■ Dedicated Designers

Yamaha is the only wind instrument maker that maintains a complete staff of experienced, full-time designers for each individual wind instrument.

In close collaboration with many of the greatest musicians in the World, the ideas and insights we receive are incorporated into every instrument we make, from a piccolo to a tuba.

■ Tradition & Technology

Since building its first instrument in 1887, Yamaha has been committed to supporting total musical excellence in every instrument made.

This philosophy is applied throughout the Yamaha Corporation and embraces manufacturing facilities around the globe.

Over the years Yamaha have developed many new manufacturing processes.

Yamaha combines these new technologies with its knowledge of traditional craftsmanship and ensures that Yamaha instruments are not only made to the highest possible standards, but also maintain the 'soul' that only hand-crafting can impart on the instrument.

■ Artists

Played by many of the World's leading musicians, Yamaha instruments can be heard in some of the most prestigious venues and concert halls.

Yamaha is in a unique position to be able to work very closely with artists from all corners of the World and in 1987, Yamaha opened its first Atelier in Tokyo.

Since then it has opened Ateliers in New York, Los Angeles, Hamburg and Vienna giving Yamaha a global platform from which to collaborate with its artists.

Over the years, some of Yamaha's most significant developments have come from the musicians who play its instruments.

This very special two-way relationship allows Yamaha to have constant feedback and advice and means that Yamaha are constantly improving and developing its instruments.

■ Education

Yamaha's educational activities include a number of ground-breaking initiatives aimed at supporting and ensuring music continues to enrich people's lives long into the future.

One of the most innovative activities of recent years is Yamaha ClassBand where a school class becomes a symphonic wind band. An experience enjoyed by secondary school students, there are over 1,300 ClassBands to date with students learning to play an orchestral wind instrument within their normal class.

Alongside of this, Yamaha Music Schools are well established as promoting the enjoyment of making music together in a group with more than 5,000,000 students starting their musical life at a Yamaha Music School.

The continuation of support as musicians progress is also an important part of Yamaha's philosophy and the Yamaha Music Foundation of Europe is the perfect

example of this. Providing scholarships to students in higher education, this programme helps to support musicians as they continue their studies at Conservatories and Universities across Europe.

No other manufacturer does more than Yamaha to promote music through education. And no other company is more committed to excellence.



■ Support

Yamaha proudly supports a number of initiatives throughout the World to help promote music making.

Whether it is helping students take their first musical breath or by supplying a concert marimba for the World Marimba Competition, encouraging and supporting music making is one of Yamaha's highest priorities and something that is an integral part of the way Yamaha works.

Yamaha has many partners and works with both established organisations such as the European Brass Band Association and the European Union Youth Orchestra as well as young talented musicians who are just starting their musical journey.

This is at the heart of Yamaha's philosophy and something that epitomises the Yamaha's commitment to music.

■ Environment

The future of our children depends upon how we treat the World today. That is why we spend time considering how we can manufacture our instruments in an ethical and environmentally friendly way.

For example, the Yamaha Corporation continues to develop its reforestation initiative, the "Yamaha Forest". Now entering the 2nd phase, in the first 5 years 115,110 saplings over 127 hectares were planted with a further 14,000 saplings of 18 different varieties of trees to be planted in 2012.

Alongside of this commitment, Yamaha also pioneered the use of lead free solder in wind instruments. This was a major breakthrough in the manufacture of brass and woodwind instruments and enabled Yamaha to remove the use of potentially hazardous elements from production.

All of this is part of Yamaha's on-going commitment to the environment.

LEAD FREE SOLDER

Student Clarinets

YCL-255



A significant step forward

The new YCL-255 clarinets are the perfect start for young clarinet students. Made from durable ABS resin they are easy to handle and with the new adjustable thumb rest and improved strap ring, they are now more comfortable to play. By removing the metal ring from the bell we have made the instrument even lighter yet it still remains very robust. Accurate intonation and immediate response help students to produce a round sound.

- ABS resin body with matte surface
- New light-weight bell
- No metal ring on bell
- New adjustable thumb rest (YCL-255)
- Nickel plated keys and synthetic pads (YCL-255E)
- Nickel plated keys, Eb lever and synthetic pads (YCL-255E)
- Silver plated keys and bladder pads (YCL-255S)
- Mouthpiece: 4C
- Case: CLC-200E II light case

What's new

Former Series YCL-250	Specification	New Series YCL-255	Advantage
Traditional	Bell	New lighter bell design	Comfortable to hold, easier response, strong and an improved sound
With metal ring	Bell	Without metal ring	Lighter, robust and enhanced sound
Fixed	Thumb rest	Adjustable	Comfortable positioning for different sized hands
No	Strap ring	Yes	Reduced pressure on right thumb and greater comfort

Intermediate Clarinets

YCL-450



Progress with professional quality

Featuring a bell shape and barrel design similar to that of V Series models, the YCL-450 offers a surprisingly “professional” sound with an easy response.

The new bell design gives improved intonation and projection, especially in the all-important lower register, while the new barrel enhances the 450’s response, flexibility and tonal focus.

The body is made from selected grenadilla wood and the keys from nickel silver (silver plated 450 or nickel plated 450N), with quality bladder pads.

The YCL-450 comes in a convenient lightweight case with backpack straps and a compartment for music.

- Grenadilla body
- 17 keys, 6 (5+1) rings
- Silver plated keys (YCL-450)
- Nickel plated keys (YCL-450N)
- Bladder pads
- 4C mouthpiece
- YCL-450E/NE features a left-Eb lever
- Case: CLC-400E lightweight case with backpack straps

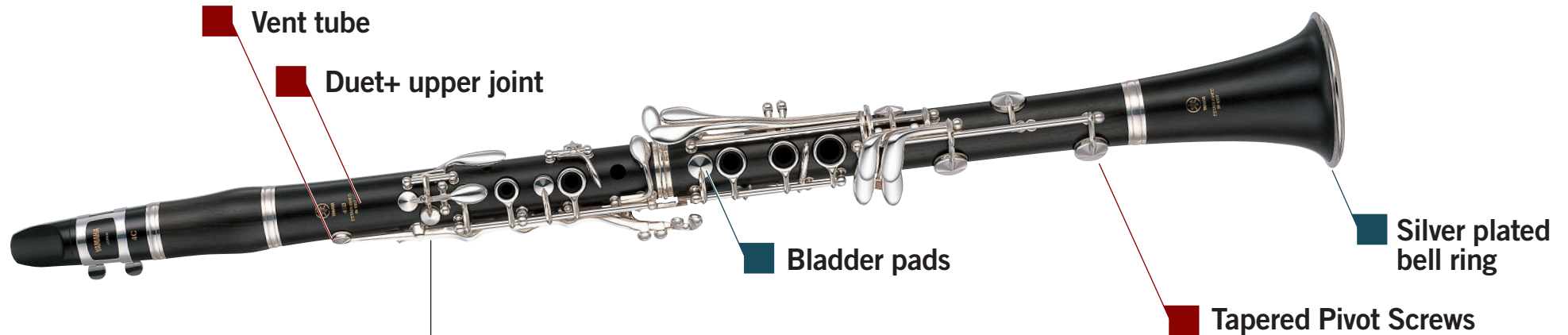
Case



CLC-450E II

NEW Intermediate Clarinets

YCL-450M



■ A duet of tradition and technology

The most notable news on the YCL-450M is the introduction of the Duet+ technology from our oboes.

The upper joint body is drilled out slightly larger around the bore and tone-holes. Thermoplastic ABS resin is injected into the cavity, instantly forming the inner shape.

It is designed to preserve as much as 90% of the wooden portion, while its natural appearance is hardly distinguishable from conventional all-wooden models.

Due to this kind of bore treatment this clarinet has a lighter resistance and an open sound with a mild timbre while also protecting and stabilising the inner surface of the upper joint.

The new adjustable thumb-rest with strap ring makes it much more comfortable to hold the instrument.

- 65mm barrel
- Grenadilla body
- 17/6 nickel silver keys, silver plated
- Inset straight chimneys
- **Tapered undercut toneholes**
- Bladder pads
- Adjustable thumb-rest with strap ring
- **New vent tube**
- **Tapered pivot screws**
- **Duet+ upper joint (ABS insert moulding)**
- Silver plated bell ring
- Silver plated ligature and mouthpiece cap
- 4C mouthpiece
- Case: CLC-400E II

YCL-450M Duet+ Key Features

Vent tube

A new vent tube shape improves pronunciation in the second register. It offers great response, even with low air pressure, making it easy to play even for children.

Adjustable thumb-rest



Adjustable thumb-rest with strap-ring

Yamaha's Unique Duet+ Technology



Insert Moulding

Yamaha is premiering this new technique (patent pending) to bring a reasonable solution to the intermediate family. The upper joint body is drilled out slightly larger around the bore and toneholes. Thermoplastic ABS resin is injected into the cavity, instantly forming the inner shape of a clarinet. It is designed to preserve as much as 90% of the wooden portion, while its natural appearance is hardly distinguishable from conventional all-wooden models.

This also ensures that under different environmental conditions the bore of the instrument remains stable.

Toneholes

Upper-joint toneholes (except metal octave vents) are moulded simultaneously with the resin bore.

Joint tenon

The upper joint tenon is also formed as an extension to the resin bore. This ensures smooth connection between the joints even under moist conditions.

What's new

YCL-450	Specification	YCL-450M	Advantage
Traditional cut	Bore treatment	Duet+ upper joint (ABS insert moulding)	Lighter resistance, mild timbre, crack protection, stable bore dimensions
Pivot screws	Mechanism	Tapered pivot screws	More easy and precise key adjustment
	Vent tube	New hole-shape	Improved response of 2 nd register
Fixed	Thumb rest	Adjustable, with ring	Comfortable to hold

Introduction to Professional and Custom Clarinets

Yamaha have a reputation for crafting some of the finest clarinets available. With unique resources which aren't available to any other instrument maker, Yamaha benefits from having a global R&D network with full-time specialised staff stationed around the world.

Working with musicians has been a key component in the development of Yamaha's clarinet range and it is this input that inspires our designers and craftspeople to go beyond what they have done before. This has led to developments such as the sought after Custom

clarinet range as well as inspiring a new generation of players with Yamaha's student range of clarinets.

Yamaha's team of exceptionally talented specialists put the instruments through rigorous testing in order to ensure that the instrument challenges the boundaries of traditional clarinet design. This ensures the passion and performance of the player is expressed in the most natural way.

Professional Clarinets

YCL-650



Enter the world of professional clarinets

The YCL-650 is excellent for those who are serious about their clarinet performance. The specifications of its bell, barrel, tone holes and other features are very close to those of the Custom YCL-SEV model, so its sound is warm, round and deeply resonant.

Made of carefully select and seasoned grenadilla wood and boasting an enormous amount of handcrafting, the YCL-650 features tapered tone holes which are undercut by hand for superior intonation and tonal balance. It also features sculpted keys whose touch has been regulated by master artisans for perfect balance.

- 65mm barrel
- Grenadilla body
- 17/6 nickel silver keys, silver plated
- **Inset tapered chimneys**
- **Hand-tapered undercut toneholes**
- Bladder pads
- Silver plated bell ring
- Silver plated ligature and mouthpiece cap
- 4C mouthpiece
- Adjustable thumb-rest
- Case: CLC-60II with CLB-65II cover



Optional models:

- Left Hand Eb-lever (add E to the model number)

Custom Clarinets

The CX series



■ For all musical genres

The YCL-CX has a full sound with an immediate clarity to the tone. It has inset toneholes and a silver-plated bell ring, which contribute to the presence and openness of its tone. With less resistance and a brighter sound, this model is very much flexible for use in all kinds of musical genres.

- 65mm barrel
- Grenadilla body
- 17/6 nickel silver keys, silver plated
- Inset tapered chimneys
- Hand-tapered undercut toneholes
- Bladder pads
- Silver plated bell ring
- **Silver plated ligature and mouthpiece cap**
- **Custom Ebonite 4CM mouthpiece**
- Fixed thumb-rest
- Case: CLC-60II with CLB-90II cover

■ Optional models

- Left Hand Eb-lever
(add E to the model number)
- Also available in A (add A to the model number) – 66mm barrel

■ Case



CLC-60II with CLB-90II cover

■ Differences at a glance

Model	Sound Concept	Toneholes
YCL-CX	Flexible open sound with more overtones. An all-rounder.	Inset/undercut
YCL-CSV	Slightly smaller toneholes, tapers and undercuts than SEV giving a more focused sound . A well-centred, flexible sound with excellent projection.	Integral/undercut
YCL-SEV	Warm sound due to the instrument's wide tonehole widths, tapers and undercuts. A resonant tone full of life.	Integral/undercut

The V series



YCL-SEV

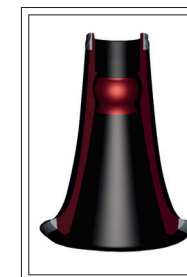
YCL-CSV

■ A pinnacle in the art of clarinet making

The **SEV** features a wider tonehole width, tapers and undercuts for a warm, round tone with an abundance of rich overtones. It blends easily with other instruments, yet is equally suitable for solos, with a remarkably resonant tone that's full of life.

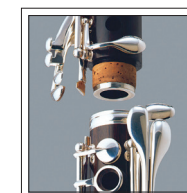
The **CSV** has slightly smaller tonehole sizes, tapers and undercuts than the SEV, resulting in a clearer, more focused sound with excellent projection. The sound is well-centred and extremely flexible, providing a wide pallet of tonal colours.

- 65mm barrel
- Grenadilla body
- 17/6 nickel silver keys, silver plated
- **Integral tapered chimneys**
- Hand-tapered undercut toneholes
- Bladder pads
- Silver plated bell ring
- Silver plated ligature and mouthpiece cap
- Custom Ebonite 4CM mouthpiece
- Fixed thumb-rest
- YCL-SEV metal tenon rings on upper joint
- YCL-SEV scalloped resonance chamber in the bell
- Case: CLC-80 with CLB-90II cover



SEV only

A unique scalloped resonance chamber inside the bell improves projection and intonation in the lower register.



SEV only

The metal tenon rings on the upper joint give a little bit more focus to the sound.

■ Optional models

- Left Hand Eb-lever (add E to the model number)
- All models are also available in A (add A to the model number)
- SEV-A: 64mm barrel, CSV-A: 65mm barrel, case CLC-840

CSGIII series



YCL-CSGIII



YCL-CSGIIIH

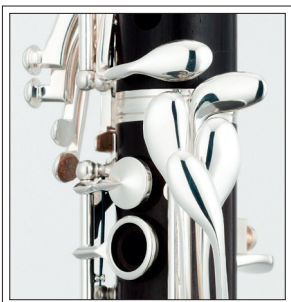
Reinventing the clarinet

Yamaha reanalysed and re-evaluated literally every single design specification. The new bell and barrel offer a tone of breathtaking richness and depth. The sound is warm yet has a clear focused centre surrounded by a wealth of overtones, resulting in extraordinary beauty and expression.

- Slightly plump barrel
- Thick-walled bell
- 18/6 nickel silver keys, silver plated
- Re-designed Eb-lever (as standard)
- Inset raised C#/G# and D/A toneholes (A-Clarinet also Low F/C)
- Integral tapered chimneys
- Hand-sculpted undercut toneholes
- Pads made of cork and leather, optimally placed for functionality
- Grenadilla body
- Two barrels (54mm & 55mm)
- Adjustable thumb-rest
- Silver plated ligature and mouthpiece cap
- Custom Ebonite 5CM mouthpiece
- Case: CLC-CSGII with CLB-90II cover

CSGIII series Key Features

■ Re-designed Eb-lever



A re-designed Eb-lever is adopted as a standard, along with the entire re-designed mechanism.

■ Optional E/F correction system



Yamaha's original intonation correction system is inspired by the German clarinets to control low E and F note. This system assures natural finger control, excellent feel and playability.

■ Case



CLC-CSGIII with CLB-90II cover

■ Optional models

- Hamilton plated keys (add H to the model number)
- Low E/F correction system (add L to the model number), Case CLC-CSGIII with CLB-90II cover
- All models are also available in A (add A to the model number), Double-Case CLC-CSGIII or CLC-CSGIII with CLB-94II cover

Eb Clarinets

Eb Alto Clarinet

■ A rich resonant sound

Yamaha's Eb-Alto and Eb-Clarinets can be found in many of the world's top orchestras and feature accurate intonation and a rich resonant sound full of colour and warmth.

The YCL-631II Eb-Alto Clarinet has an open bore design that increases the sound available to the player. The sound blends perfectly in the clarinet ensemble and wind band.

YCL-631II Eb-Alto Clarinet

Range	Low Eb
Body	Grenadilla
Keys	19/7 silver plated
Toneholes	Straight
Undercut	Hand tapered
Pads	Bladder
Barrel	—
Neck	Silverplated
Bell	Silver plated
Ligature and mouthpiece cap	Silver plated
Mouthpiece	4C
Case	CLC-631II



YCL-631II

Eb Clarinet



YCL-881



YCL-681II

Additional sound colours

The Yamaha Eb-Clarinets are best known for their perfect intonation even in the highest range of clarinet playing. The exceptional response and the outstanding warm sound as well as the ergonomic key-work make it easy to play the most difficult phrases.

	YCL-881 Eb-Clarinet	YCL-681II Eb-Clarinet
Body	Grenadilla	Grenadilla
Keys	17/6 silver plated	17/6 silver plated
Toneholes	Integral, tapered	Inset, tapered
Undercut	Hand tapered	Hand tapered
Pads	Bladder	Bladder
Barrel	42mm	42mm
Bell	Grenadilla with Silver plated ring	Grenadilla with Silver plated ring
Ligature and mouthpiece cap	Silver plated	Silver plated
Mouthpiece	4C	4C
Case	CLC-88 with CLB-88 cover	CLC-681II

Student and Professional Bass Clarinets

■ The bass of the clarinet section

A bass clarinet is the ideal supplement for every clarinet section. It is tuned one octave lower than a normal Bb Clarinet. Yamaha's handcrafted professional models give you a rich warm sound with powerful projection and accurate intonation. The YCL-621II can play down to low Eb, while the YCL-622II's range extends to low C.

With a sound very close to that of a professional wood model, Yamaha offers the YCL-221II with a matte finish ABS resin body.

	YCL-622II	YCL-621II	YCL-221II	YCL-221IIS
Range	To low C	To low Eb	To low Eb	To low Eb
Body	Grenadilla	Grenadilla	ABS resin Matte finish	ABS resin Matte finish
Keys	24/7 silver plated	20/7 silver plated	20/7 nickel plated	20/7 silver plated
Toneholes	Straight	Straight	Straight	Straight
Undercut	Tapered	Tapered	—	—
Pads	White leather with metal buttons	White leather with metal buttons	Tan leather with tone boosters	Tan leather with tone boosters
Bell	Silver plated	Silver plated	Nickel plated	Silver plated
Ligature and mouthpiece cap	Silver plated	Silver plated	Nickel plated	Silver plated
Mouthpiece	4C	4C	4C	4C
Case	CLC-622II	CLC-621II	CLC-221II	CLC-221II

Bass Clarinets



YCL-622II



YCL-621II



YCL-221II

■ Case



CLC-221II

The YCL-221II/S comes with a compact and lightweight case in the same size as an alto saxophone case.

Glossary

ABS (Acrylonitrile Butadiene Styrene) resin

Hard, lightweight durable plastic material.

Cylindrical bore The instrument's tubing is straight, not tapered. Flutes and clarinets have cylindrical bores.

Duet+ An innovative way of combining an ABS resin inner bore with a traditional wooden clarinet. Not only enhancing playability but also reducing the possibility of cracking in wooden clarinets. (Please see YCL-450M)

Double bladder pads Yamaha flutes and clarinets have a double layer of skin across the felt for a better seal and improved durability.

Grenadilla A very dense, heavy wood which can be accurately machined. Used for clarinet, flute, piccolo and oboe bodies.

Integral tone holes On wooden clarinets the finger holes are part of the actual body of the instrument rather than separate inserts.

Leather pads For a more delicate touch that offers a milder sound.

Cork pads The hard surface means that these pads are mainly used for keys where moisture can build.

Nickel Silver An alloy comprised of approximately 70% copper, 20% zinc, and (coin silver) 10% nickel. Used on student flutes and most woodwind instrument keys.

Stainless steel Unaffected by moisture (rust-proof); stainless steel springs offer responsive key action. All our student model woodwind instruments use stainless springs.

Undercut tone holes Undercut tone holes have an angled entry to the bore of the instrument.