

Band & Orchestral Division



**YAMAHA**

Sales Manual

*Neo* **Brass Band Instruments**

brass

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## ■ A new chapter in Yamahas instrument heritage

The introduction of Yamaha's new Neo Baritone marks the completion of one of the most significant chapters in Yamaha's brass instrument making heritage, Neo, a range specifically designed for brass bands.

After almost a decade of development, the Neo series represents a range of instruments that have been designed specifically to meet the needs of today's band musicians.

As advisory consultant, David King stated: "Yamaha has brought together in their revolutionary production process the three inseparable elements that are the key to their success – technology, time and talent.

By aligning band musicianship and professional artists of likeminded ethos as an intrinsic part of their instrumental development process, Yamaha has achieved cohesion and consistency in their precise and strategic planning.

Yamaha revolutionised and realigned the musical possibilities for brass band musicians with an instrumental range that places the name of Neo as synonymous with professional excellence at the highest level."

When played together, the sound of Neo series instruments blends perfectly together to bring the heart-warming sound of the brass band to life.

When played individually, Neo instruments give players the possibility to get more 'personality' from their instrument and to take their performances to the next level.

Yamaha are extremely proud of the Neo series of instruments and are looking forward to hearing them together in your performances.

## ■ Technological Innovations Deliver New Instruments to the Traditional Brass Band

True to its meaning “Modern Form”, Neo brass instruments are based upon knowledge accumulated through developmental research at the molecular level.

Utilising this knowledge to select materials and devise processing methods, these instruments have come to form through a combination of our most advanced technologies and the expertise of our master craftsmen whose highly refined skills

allow processing of materials to tolerances of up to 1/100 mm.

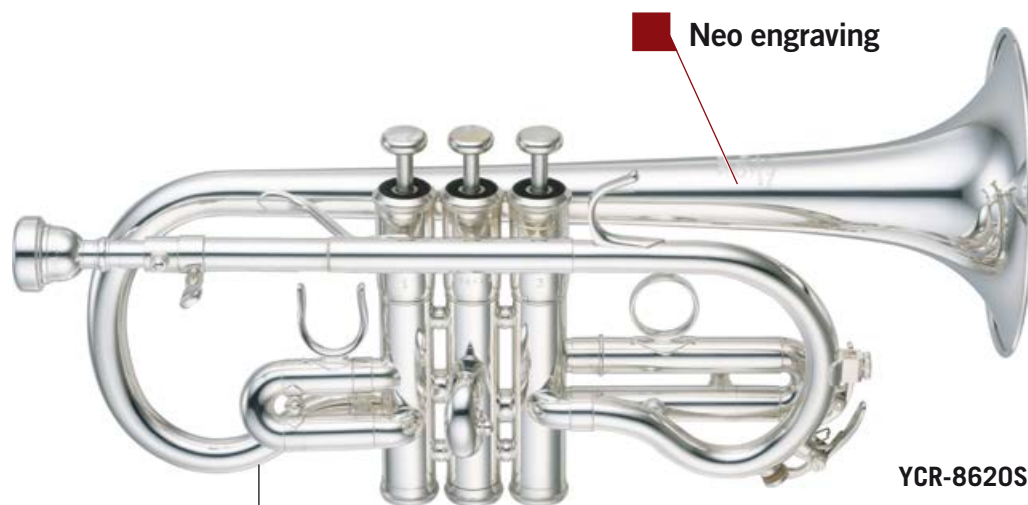
Collaborating with some of the world's foremost professional artists such as David King (cornet), Russell Gray (cornet), Phillip McCann (cornet), Sheona White (tenor horn), Katrina Marzella (baritone), Steven Walsh (euphonium), Billy Millar (euphonium) and Simon Greswell (BBb bass), we have gone through the entire instrument line-up,

dismantling everything that has been up until now the norm, scrutinising each part and component to design instruments that fulfil the requirements of today's discerning players.

The result is a series of instruments taking on a “Modern Form” that will lead brass band instruments from this point on.

## Neo Eb-Cornets

# YCR-8620(S)



YCR-8620S

### ■ Hitting the High Notes

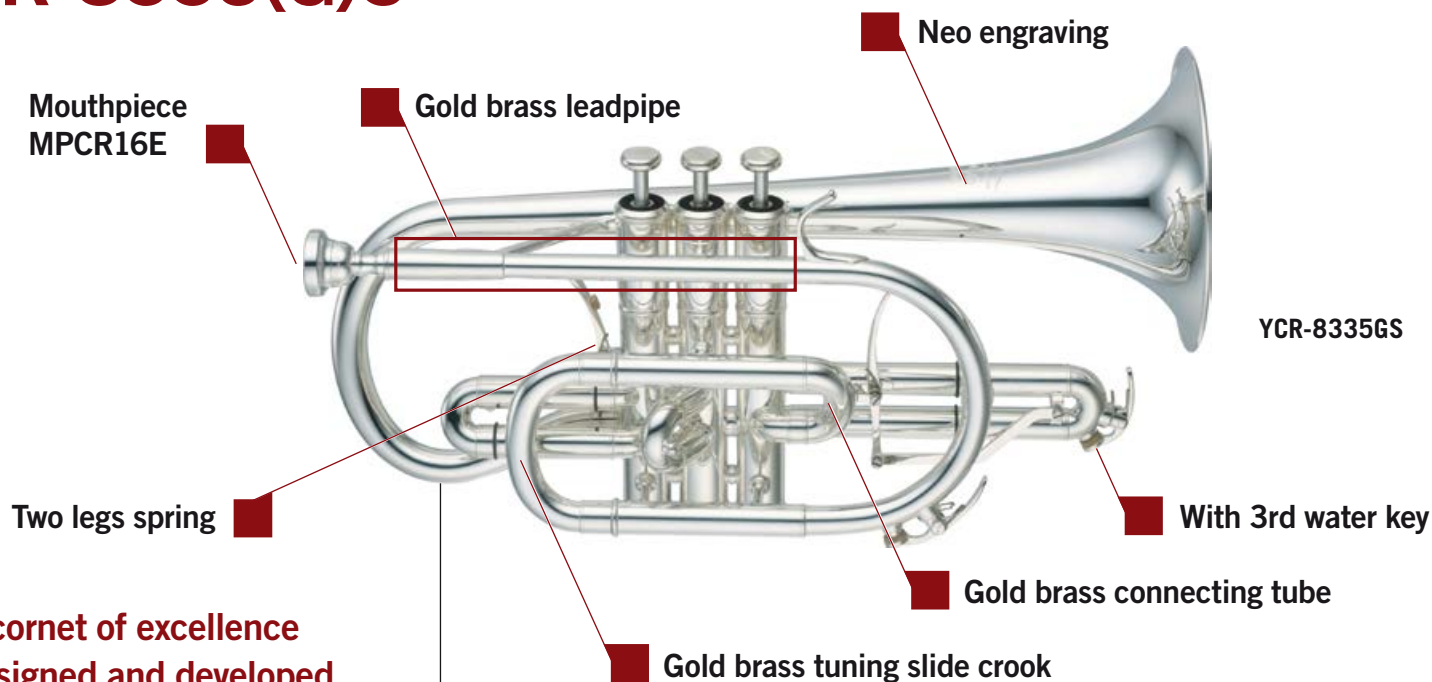
The YCR-8620S Eb-Cornet has a one-piece bell design with a thinner shape and modified taper allowing the sound to resonate and project very freely. The curved leadpipe with sleeve and redesigned bell braces provide the instrument with a balanced amount of resistance which helps this instrument to perfectly complement the new Neo Bb cornet, without the need to make any changes to its design. To bring it firmly into the Neo family, the YCR-8620 has now been updated with Neo engraving on the bell and a new Neo branded single case.

- One-piece hand hammered yellow brass bell
- Bore: 11.30 mm (ML)
- 120 mm bell diameter
- 1st valve thumb hook
- 3rd valve finger ring
- Neo bell engraving
- Mouthpiece CR6B4
- New single-case with Neo emblem CRC-8620
- Lacquered finish YCR-8620



## Neo Bb-Cornets

# YCR-8335(G)S



### ■ A cornet of excellence designed and developed without compromise

Building upon the reputation of the Xeno cornet, the Neo has a richer more flexible sound and an easier higher register. A sound that suits a number of tastes, we've also improved the durability of the instrument by using gold brass. The Neo cornet has been developed with 3 of brass banding's most well known cornet players David King, Russell Gray and Phillip McCann.

- One-piece hand-hammered yellow brass bell
- Bore: 11.90 mm (L)
- Gold brass tuning slide crook
- 125.5 mm bell diameter
- Gold brass leadpipe
- 1st and 3rd valve slide trigger – two legs spring
- Mouthpiece CR16E
- Case with Neo emblem CRC-830
- With gold brass bell YCR-8335G
- With silver plate finish YCR-8335S/YCR-8335GS

# YCR-8335(G)S Key Features

## ■ Use of Gold Brass

Gold brass gives a versatile and flexible sound and an easier higher register. It also makes the leadpipe system very durable.

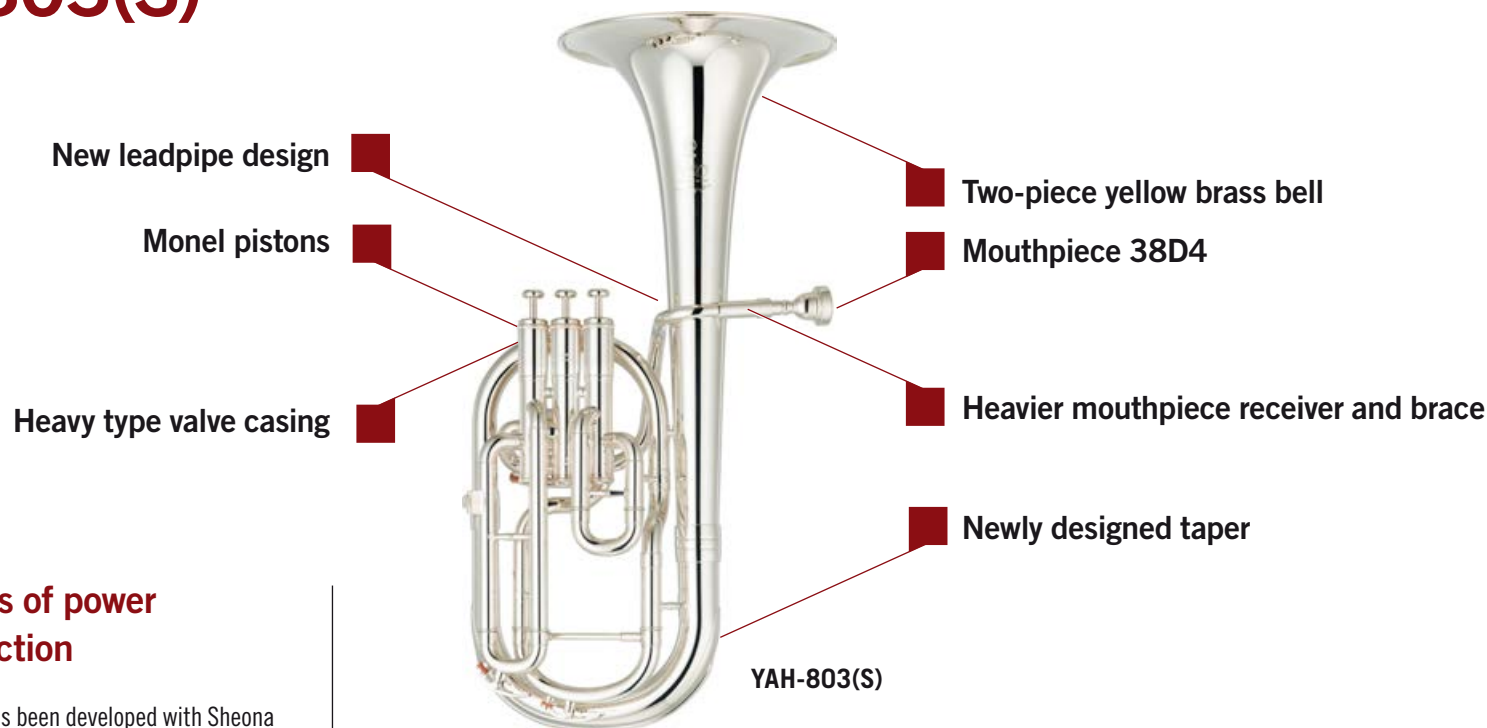


## ■ What's new

Xeno Cornet	Part	Neo Cornet	Effects
Yellow brass	Leadpipe	<b>Gold brass</b>	For all kinds of cornet players the use of Gold brass gives a versatile and flexible sound and an easier higher register. It also makes the leadpipe system very durable.
Yellow brass	Tuning slide crook	<b>Gold brass</b>	
Yellow brass	Connection tube	<b>Gold brass</b>	
One-sided spring	1st trigger slide	<b>Two legs spring</b>	Style of waterkey spring for better trigger performance and stability.
David King Signature	Mouthpiece	<b>MPCR16E</b>	Unified mouthpiece.
Xeno Logo	Bell engraving	<b>Neo Logo</b>	
CRC-606	Case	<b>CRC-830 with Neo Badge</b>	New single case with wooden shell for excellent protection and security.

# Neo Tenor horn

## YAH-803(S)



YAH-803(S)

### ■ New levels of power and projection

The Neo tenor horn has been developed with Sheona White. Every part and component was analysed and re-evaluated to create an instrument that delivers richer resonance and more expressive sounds. It produces a graceful tone that enhances the tenor horn's presence while delivering the tone colour, volume, resistance, and accurate pitch that brass band performers and soloists demand in an instrument. New levels of power and projection combine with a warmth and depth that bring horn players to their rightful place at the heart of the band.

- Two-piece yellow brass bell
- Bore: 11.9 mm
- 210 mm bell diameter
- Heavy type valve casing
- New leadpipe design
- Heavier mouthpiece receiver and brace
- Mouthpiece 38D4
- Case AHC-803 (Hardcase with strap)



Lacquered version  
YAH-803

### ■ Case



AHC-803



# YAH-803(S) Key Features

## ■ Large Two-Piece Yellow Brass Bell



The new YAH-803S features a large two-piece yellow brass bell. Due to the 210 mm bell diameter – which is 5 mm larger than the former YAH-602 – the dynamic range of the instruments is very much increased.

## ■ First Branch with Newly Designed Taper



The first branch features a newly designed taper, improving the tone and pitch. In addition, the development of a wider tuning slide improves dynamic range and playability.

## ■ Valve Casing – Heavy Type Design



The valve casing has a new heavy design. The extra weight gives the sound more power and quality.

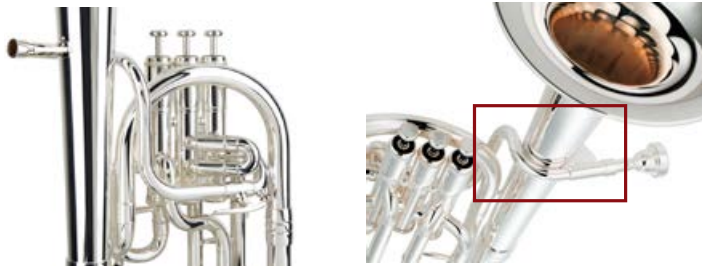
## ■ New Leadpipe Design, Heavier Receiver and Brace

The new leadpipe design, in combination with a heavier mouthpiece receiver and brace, gives the player a natural resistance and makes the instrument freer blowing with an easier response.

## ■ Additional Sheona White Signature Mouthpiece Available



Inner Diameter	Contour	Thickness	Cup Depth	Throat	Backbore
19 mm	semi-round	standard	deep	5.05 mm	semi-narrow



## NEW Baritone horn

# YBH-831(S) *Neo*

New piston pads and spring

Dual-bore  
(13.2 - 14.0 mm)

New body taper design



YBH-831(S)

Large two-piece yellow brass bell

Mouthpiece 48(S)

New taper, height and angle  
for floating goldbrass leadpipe  
and nickel silver receiver



Lacquered version  
YBH-831

### ■ The baritone horn has now found its voice

To ensure that the instrument would perform to the highest level, the new Neo YBH-831 baritone was put to the test in some of the most pressurised banding environments and in some of the most esteemed concert halls in the world with development artist Katrina Marzella. Completely redesigned, the Neo baritone horn benefits from a newly designed 'slim'

valve casing that gives players a natural posture and comfortable hand position. The improved body taper design gives a rich and full sound perfect for both solo and band performances and the new floating lead-pipe design gives the instrument a well-balanced resistance enabling players to express exactly what they want to. The Neo baritone horn will give players a new voice on the stage.

- Three valve / compensating system
- Two-piece yellow brass bell
- Bore: 13.2 mm / Compensating Side 14.0 mm
- 240 mm bell diameter
- New piston Pads and Spring
- New floating goldbrass leadpipe design
- New height and angle for leadpipe and receiver
- New body taper design
- Mouthpiece 48(S)
- Case BHC-81 (Hardcase with strap)

### ■ Case



BHC-81

# YBH-831(S) Key Features

## ■ Large Two-Piece Yellow Brass Bell



The large diameter bell (230 mm) gives a lot of projection and improves the dynamic range.

## ■ New Body Taper Design – 1st and 2nd Bow



The improved body taper design gives a rich and full sound perfect for both solo and band performances. Also it gives additional projection.

## ■ New Piston Pads and Spring



The new springs in combination with the multi-layered piston pads, which are a mix of synthetic and felt materials, ensures that the valves have a smooth valve action with excellent response.

## ■ New Floating Leadpipe Design, Receiver and Brace



The new floating leadpipe design, in combination with a newly designed mouthpiece receiver, gives the player a natural resistance and makes the instrument freer blowing with an easier response. Also it ensures an optimised holding position.

## YEP-642II(S)

### New handrest position

Changing the handrest position to allow for a more natural hold on the instrument simplifies fingering and offers smoother performance while playing demanding solo or ensemble passages.



YEP-642II(S)

Mouthpiece 51L

New body taper design



Lacquered version  
YEP-642II

### Powerful with excellent projection

Working together with world-renowned brass band players, our technical staff started with a clean slate creating numerous euphonium prototypes, redesigning parts and components until all agreed that the ideal brass band sound had been attained. The instrument's main tube utilises a new design

that maintains adequate resistance, delivers a powerful low range and focused high range, and improves dynamics over the instrument's entire range. This Neo euphonium delivers a tone that blends well with baritone and tenor horns. Powerful with excellent projection, it produces the tone colours that soloists require in an instrument.

- Three top / one side action valve / compensating system
- Two-piece yellow brass bell
- Bore: 15.0 - 16.8 mm
- 300 mm bell diameter
- New handrest position
- New body taper design
- Mouthpiece 51L
- Case EPC-63

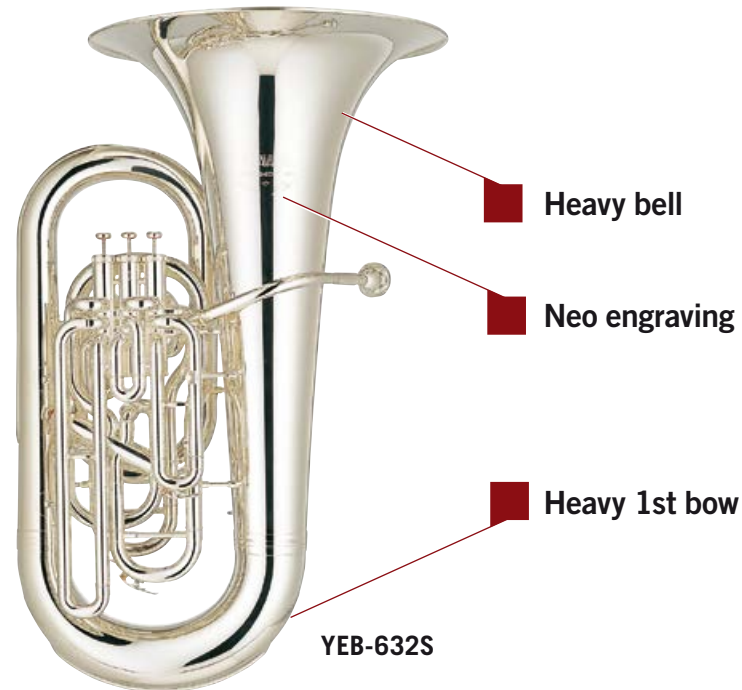
### Case



EPC-63

# Neo Eb-Bass

## YEB-632(S)



### ■ Projection and Power

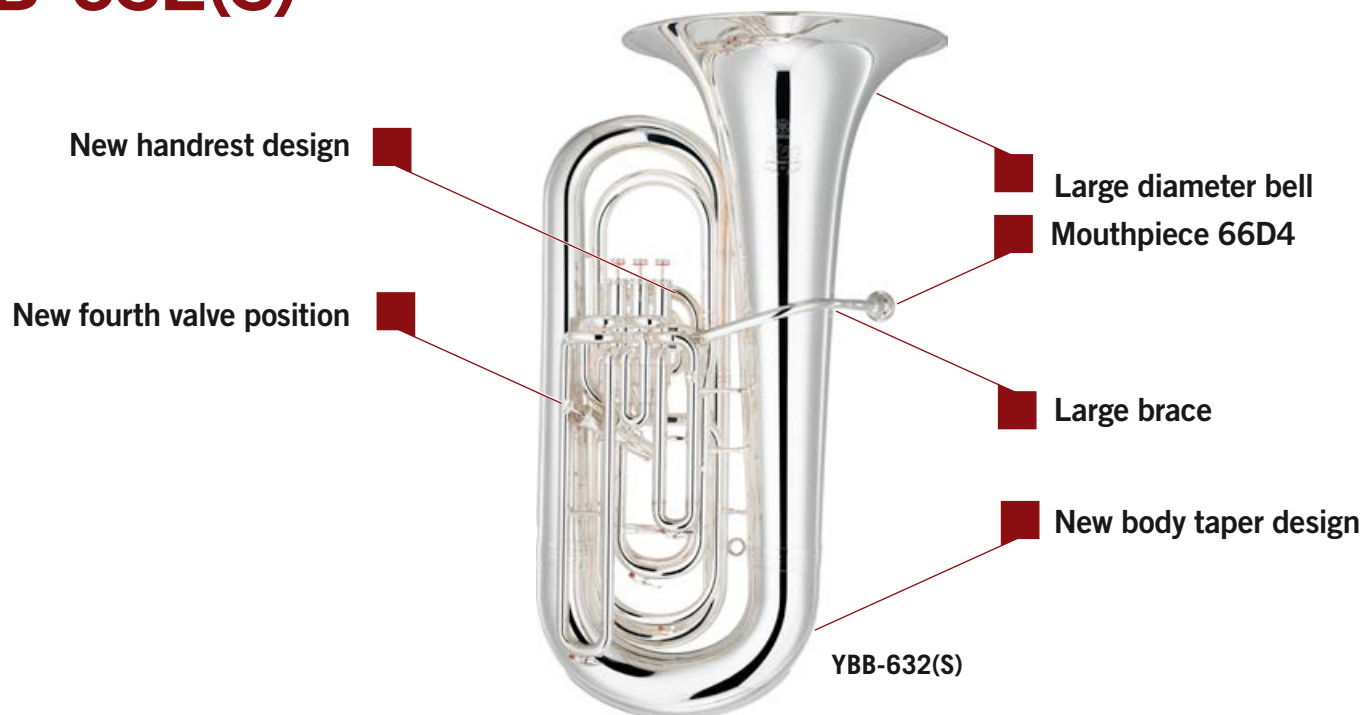
Now branded as Neo, the new generation of YEB-632 continues the Neo story. Completing the Neo bass line up, this complements the Neo BBb bass perfectly. The thicker wall material of the bell and the 1st bow gives a more full bodied and heavier sound with more projection and power, perfect for the band environment.

- Bell with thicker wall material
- Bore: 17.5-18.5 mm
- 480 mm bell diameter
- 1st Bow – thicker wall thickness
- 3 piston + 1 compensating (side action)
- Neo bell engraving
- Mouthpiece 66D4
- Brown/black case with Neo emblem EBC-632
- Lacquered finish YEB-632

### ■ What's new

YEB-632(S)	Part	Neo YEB-632(S)	Effects
Standard	1st Bow	<b>Thicker wall material</b>	For more projection and more full bodied sound.
Standard	Bell	<b>Thicker wall material</b>	
Xeno Logo	Bell engraving	<b>Neo</b>	
EBC-63	Hard Case	<b>EBC-632 with Neo badge</b>	

## YBB-632(S)



### A solid and stable foundation

The Yamaha BBb basses are designed in co-operation with Simon Gresswell to meet the needs of all brass bands. The design incorporates a large 500 mm diameter bell that keeps the sound focused and always clear. They deliver a rich tone and abundant volume that provides the ensemble with a solid and stable foundation. Another important aspect is the

improvement of the ergonomics with a repositioned fourth valve which offers improved playability and makes fast passages easier to play. A new leadpipe taper offers improved resistance. Evaluating the angle of the mouthpiece led to a design that offers a more natural playing position.

- Three top / one side action valve / compensation system
- Two-piece yellow brass bell
- Bore: 18.5 - 20.0 mm
- 500 mm bell diameter
- New slim style valve casing
- New leadpipe design
- New height and angle for leadpipe and receiver
- New body taper design
- Mouthpiece 66D4
- Case BBC-63



Lacquered version  
YBB-632

### Case



BBC-63

# YBB-632(S) Key Features

## ■ Large Diameter Bell

At 500 mm, this is the largest bell among Yamaha BBb basses. Its size greatly improves dynamic range while delivering a stable sound that envelops the entire ensemble.

## ■ Fourth Valve Position



An ergonomically repositioned fourth valve offers improved playability and makes fast passages easier to play.

## ■ Large Brace



A larger brace plate on the bell section delivers a moderate amount of resistance.

## ■ Repositioned First to Third Valves



After a thorough evaluation of valve positioning, a new design promotes a more comfortable playing posture.

## ■ New Handrest Design

The semi-circular shaped hand rest makes the instrument easier to hold and reduces fatigue when holding the instrument for long periods of time.

## ■ New Leadpipe Design, Heavier Receiver and Brace



A new leadpipe taper offers improved resistance. Evaluating the angle of the mouthpiece led to a design that offers a more natural playing position.



## The Artists Perspective

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# Neo Cornet YCR-8335



 **Russell Gray**

I am delighted to have been involved in the development team for the new Neo cornet. Through many hours of research and trial I am confident that the resulting instrument is the best on the market, I find it to be very accurate in intonation, and tone throughout the range, and it is remarkably responsive at whatever dynamic level you choose to play. If you want the ultimate cornet then look no further.



 **David King**

Yamaha's Neo cornet is a model of excellence designed and developed for discerning band musicians and soloists seeking to combine intrinsic warmth with a projected resilience of sound that has both personality and persuasive presence.

Created without compromise, The Yamaha Neo cornet is shorter by name than its predecessor yet continues to embrace the X factor.



 **Phillip McCann**

There are for me two or three basic/mandatory requirements when I choose an instrument. Firstly, as a performer we must be able to rely on the build quality of the instrument, life is tough enough on stage without the mechanics of the instrument failing us! The quality of instrument is so important, it is an encouragement and catalyst to practice as well as performance. Without a doubt, the level of quality control maintained by Yamaha is second to none.

Secondly, the tone quality and the sound produced by any brass instrument (in combination with the player), is perhaps the single most important

aspect of playing any instrument. Your personal sound on an instrument is your musical identity, just like your voice. I have no hesitation in saying that the new Neo cornet has all of the qualities that I look for, allowing for the tones to be open, happy or sad, big or small, and all can be beautiful!

Finally, as a Yamaha Artist, I can truly say from my experience over the past 20 years working with them, that in the development process of any new model instrument, they will take as long as it is necessary to achieve the goal of the best possible product. No more words are necessary!



# Neo Tenor Horn YAH-803(S) Neo Baritone YBH-831(S)



 **Sheona White**

I feel very privileged to have been part of the development team for the new Yamaha tenor horn. I have a clear vision as to what I wanted from the instrument.

Superb tonal quality with projection is vital for the modern role of the tenor horn along with great intonation.

The new Yamaha tenor horn provides me with an instrument that meets all the demands and my needs as a horn player of the present generation.



 **Katrina Marzella**

The Neo baritone horn is set to revolutionise the preconceptions and expectations of baritone players across the world. Never before has the instrument been heard and felt with such presence. It is simply a joy to play; the sound has warmth, breadth and projected power in equal measure; the intonation is remarkably consistent; the efficient playing experience is second to none; and the production quality is exceptional. It has been my pleasure to be involved in this journey.

Thanks to Yamaha, the baritone horn has now found its voice.

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## Neo Euphonium YEP-642II(S)



**Bill Millar**

When trying a new euphonium a number of things are for me of paramount importance.

The first thing I would consider would be the comfort of hold, the positioning of the lead pipe and the hand rest are of particular importance. In this respect, I found that these were positioned ideally on the Neo to provide a comfortable hold when adopting a correct upright posture.

Quality of sound is for me the single most important feature of any instrument. I would be looking for an instrument that has both a resonance and a clarity of tone. With the Neo I found both of these qualities in abundance throughout the dynamic range.

The modern day repertoire for the euphonium covers a range of more than four octaves so players need an instrument that they know will perform well at the extremes of the range. Again the Neo exceeded my expectation in this regard, performing with ease at the highest and lowest extremes of the euphonium register.

The valve action on the Neo is both smooth and solid, providing an ease of execution when playing rapid passages and a sense of security in slower music. This is an instrument that combines depth and clarity of tone with great projection, responsiveness and character, it truly is a joy to play and I give it my highest possible recommendation.



**Steven Walsh**

The Yamaha Neo Euphonium has an unrivalled depth in tone and accuracy of tuning throughout the whole range of the instrument. These attributes can be projected across any ensemble with consummate ease.

This newest addition to the Neo range allows a performer the opportunity to portray their musical ideas with absolute comfort, culminating in a classic British Euphonium sound.

## *Neo* Eb-Bass YEB-632



**Eirik Gjerdevik**

Why do I play Yamaha? My Neo Eb-Bass is very easy to play. In tune and consistent in all registers, it is easy to make a beautiful sonorous sound. My work is always quite technically demanding, so I need a tuba which plays with me, not against me. This is the love of my life. Everything I want to play, it plays easily.

## *Neo* BBb Bass YBB-632(S)



**Simon Gresswell**

It was an honour to be asked by Yamaha to help develop the new Neo BBb Bass. I was looking to create an unrivalled sound base, capable of holding together in all ranges and dynamics. The valve action is quiet and slick, allowing clear movement and definition. The lower register is of special quality. It is easy to produce allowing maximum control and colour. This instrument exceeds all my expectations of a modern day BBb Bass.

