

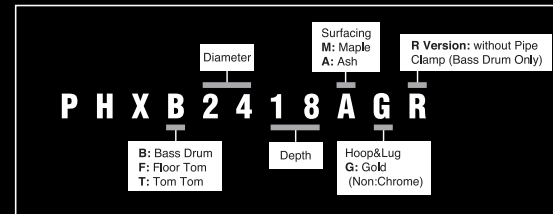
Specifications



TomTom						
	16"	14"	13"	12"	10"	8"
Model	PHXT1613	PHXT1411	PHXT1309	PHXT1208	PHXT1007	PHXT0807
Size	16"x13"	14"x11"	13"x9"	12"x8"	10"x7"	8"x7"
Model	PHXT1614	PHXT1412	PHXT1310	PHXT1209	PHXT1008	PHXT0808
Size	16"x14"	14"x12"	13"x10"	12"x9"	10"x8"	8"x8"
Shell	Hybrid Shell					
Lug	New Hook Lug					
Hoop	Aluminum Diecast Hoop					
Head	Top	Remo Clear Ambassador				
	Bottom	Remo Clear Ambassador				

Floor Tom			
Model	PHXF1816	PHXF1615	PHXF1413
Size	18" x 16"	16" x 15"	14" x 13"
Shell	Hybrid Shell		
Lug	New Hook Lug		
Hoop	Aluminum Diecast Hoop		
Head	Top	Remo Clear Ambassador	
	Bottom	Remo Clear Ambassador	

Bass Drum							
Model	PHXB2418	PHXB2416	PHXB2218	PHXB2216	PHXB2018	PHXB2016	PHXB1814
Size	24"x18"	24"x16"	22"x18"	22"x16"	20" x 18"	20" x 16"	18" x 14"
Shell	Hybrid Shell						
Lug	New Hook Lug						
Hoop	Wood hoop						
Head	Front	Remo SW PS3 without Hole					
	Batter	Remo Clear PS3					Remo Coated A



Bass Drum (R Version -without Pipe Clamp)						
Model	PHXB2418R	PHXB2416R	PHXB2218R	PHXB2216R	PHXB2018R	PHXB2016R
Size	24"x18"	24"x16"	22"x18"	22"x16"	20" x 18"	20" x 16"
Shell	Hybrid Shell					
Lug	New Hook Lug					
Hoop	Wood hoop					
Head	Front	Remo SW PS3 without Hole				
	Batter	Remo Clear PS3				

PHX SERIES



*Some models may not be available in some countries.
 *Colors shown in this catalog may not be represented exactly as the original colors due to printing processes involved.
 *Specifications are subject to change without notice.



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YAMAHA Drum Lab

At YAMAHA, prototype drums are the starting point of each drum's evolution. These prototypes are created in the Drum Laboratory where YAMAHA continually pursues the essence of musical perfection.

Under a completely new concept, the PHX (pronounced "phoenix") Series is the pinnacle of excellence in this prototyping process. Handcrafted by our expert technicians, it's based on over 40 years of history, tradition, experience, and technology.

The newly developed PHX Series reveals YAMAHA's all-out pursuit of the ultimate in drum craftsmanship and sound.



Why PHX?

【phoe-nix】* – noun

1. a mythical bird of great beauty fabled to burn itself on a funeral pyre and to rise from its ashes in the freshness of youth and live through another cycle of years: often an emblem of immortality or of reborn idealism
2. a thing of peerless beauty or excellence



Nippon Gakki, the predecessor to Yamaha Corporation, was founded in 1897, and the Phoenix logo was registered as the company's official trademark. While the triple tuning fork design that adorns modern Yamaha instruments is well known throughout the world, it is the Phoenix motif that was first emblazoned on our first premier organs. The design embodies the spirit of our founder, whose goal was to produce instruments of world-class quality and unrivaled beauty.

In 2007, YAMAHA celebrated its 40th anniversary of drums manufacturing. At that same time, we felt the need to recapture the spirit of our company's founder. It was decided that YAMAHA Drums' next 40 years would begin with commitment to a rebirth and revitalization in striving for musical instrument excellence. From this rekindled spirit of innovation and musical resolve, came the birth of the PHX Series.

The Phoenix is considered the symbol of immortality, a rebirth into a fresh being, full of new life. Similarly, the PHX Series marks a rebirth of drum advancements, another milestone to add to YAMAHA's legendary history. The PHX is the next step in innovation and excellence for those serious about their music.

*source: www.dictionary.com



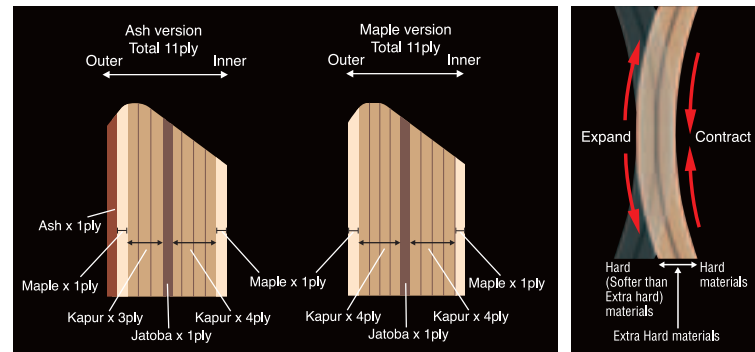
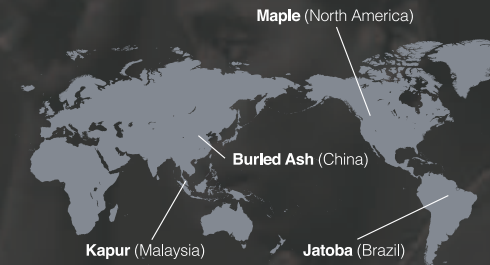
Hybrid Shell Construction (Patent Pending)

With the wealth of knowledge that YAMAHA has amassed through the decades as the preeminent maker of musical instruments, YAMAHA's wood specialists have discovered new materials that provide optimal drum performance.

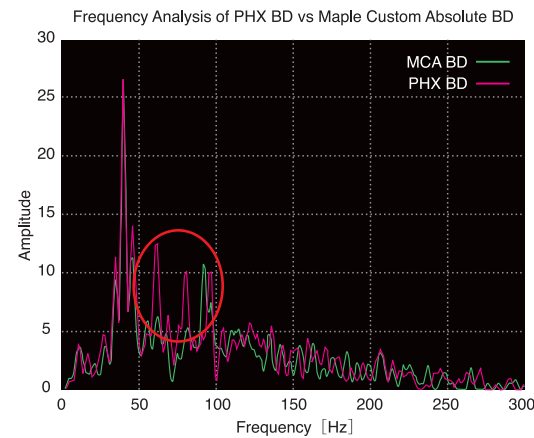
Jatoba, a Brazilian wood and the hardest material in the PHX hybrid shell, is positioned as the core ply and center note of the drum. It is surrounded on either side by layers of **kapur**, a Malaysian hard wood. North American **Maple**, which had long been considered a classic, high-quality drum shell material because of its hardness and viscosity, is actually the softest wood in the shell construction; maple is the outer and inner plies of the shell.

This is the process used to complete the hybrid shell, in which the stiffness of the shell shifts from the center toward the outside: the woods are hardest at the center and get softer toward the outer surfaces in either direction. This results in an "excitation structure" that maximizes the shell's performance. The excitation structure increases the head's vibration to its full extent, achieving a sound unlike anything you've heard before. It produces an effect in sound waves similar to rippling waves caused by a pebble dropped in water.

Place of Origin



* The excitation structure increases shell vibration to its maximum through the use of relatively softer materials for the external and internal surface areas, whose curvature is greatest when the shell is vibrating, as well as by using a hard material with a high "spring" property for the core of the shell lamination.



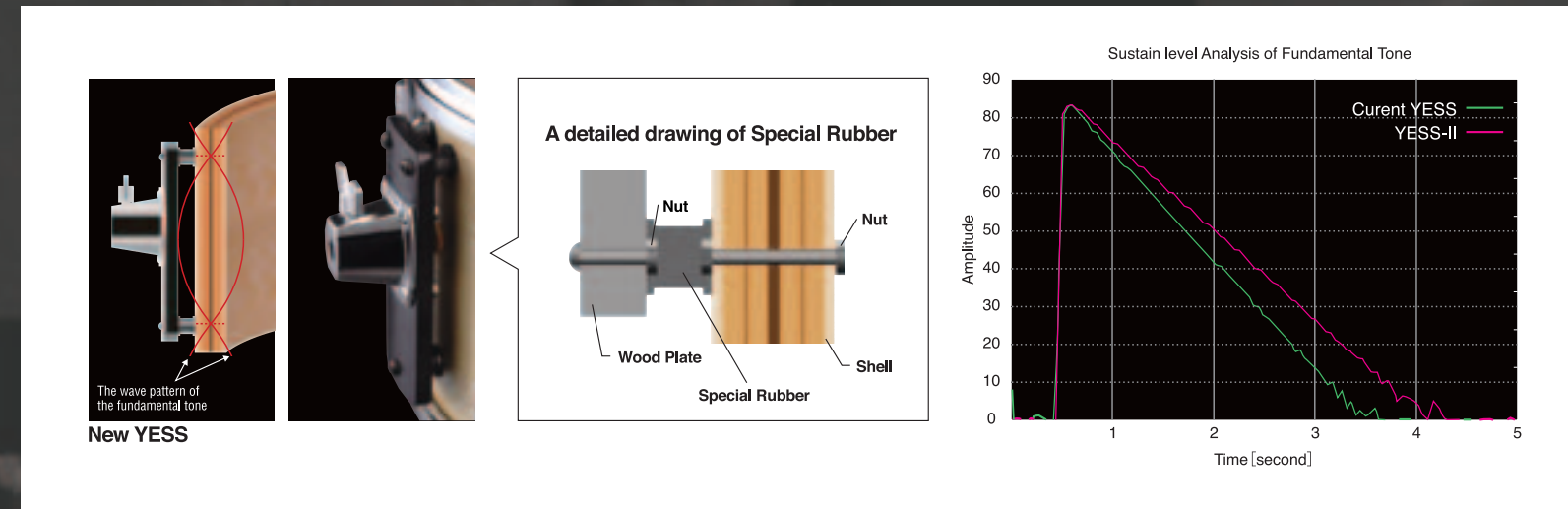
Polar White (PWH)

YESSII Shell Mount System (Patent Pending)

The newly evolved YESSII shell mounting system acts as a shock mount system for the drum, allowing for optimal shell vibration.

Utilizing a unique rubber insert and a maple wood plate, the YESSII mount is primarily located at the nodal points (where no vibration occurs), causing the resonance to stay, within the shell as opposed to transferring through the hardware and being stifled.

In larger tom sizes, the rubber inserts are also positioned on the shell where overtones are present to help produce the appropriate mixture of sustain and overtone control.



Textured Black Sunburst (TBS)

Hook Lug System (Patent Pending)

The brand-new Hook Lug system has emerged through the progression of the Nouveau Lug, which was an innovation in drum-lug design. This new lug minimizes the rotation of the lug casing during tuning and firmly supports the tuning bolt through the wide and straight post, even at high tension.

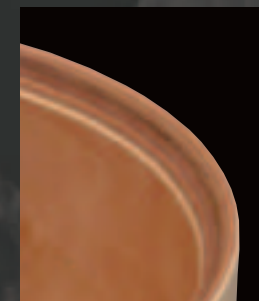
Rather than positioning the Hook Lug at the nodal point, YAMAHA placed it at the area of the shell that produces undesirable overtones, thus muting them and allowing for an unobstructed, richer fundamental tone.

The combination of the Hook Lug system (muting the unattractive overtones) and the YESSII mount system (opening up the drum's fundamental tone) provides an unmistakably pure and naturally EQ'd sound. The organic tone of each drum is clear and perfectly defined like never before.



New Hook Lug

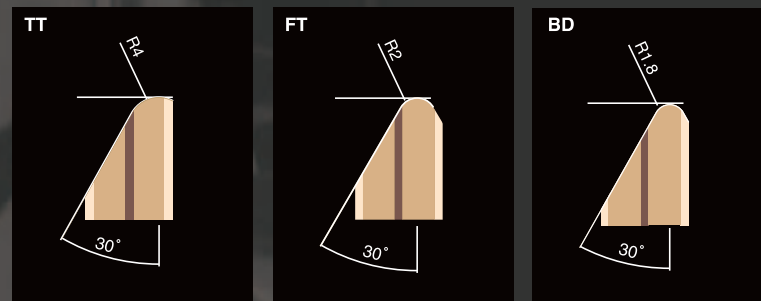
Bearing Edge Shape



To control the drum's tone and articulation, PHX floor tom, tom-tom and bass drum shells each use different types of bearing edges.

All bearing edge angles are set at 30-degrees. However, the radiuses of the bearing edges differ to gain optimum acoustic performance from the shell.

Additionally, a secret treatment process is used to ensure that each edge is finished to a perfect smoothness. This guarantees a very easy and wide tuning range.



Shells | PHXB2216AGR PHXT1613AG PHXT1411AG PHXT1209AG PHXT1008AG PHXT0807AG VSD1460 **Hardware** | CH755 x 4 CH750 x 2 HS1000 SS840 DS840 FP9315 CL945B x 5

Additional | SKRM100 **Rack** | HXTC x 6 HXCC x 5 HXBC x 3 HXCP44 HXCP36 HXCP24 HXTL23 HXTL33 x 2



Textured Amber Sunburst (TAS)

Vent Holes

The number of vent holes influences both the drum's timbre and projection. PHX Series drums are designed with one to ten vent holes, depending upon the drum's dimensions. By varying the number of holes, particularly on larger shells, the drum's sustain length, amount of mid-bass tone, and playing comfort can all be fine-tuned.



R-Version Bass Drums

New R-Version bass drums (without tom mounts) have been added to the PHX lineup. This option provides optimum flexibility for drummers who place great importance on bass drum tone.



Turquoise Fade (TQF)

Shells | PHXB2218AR x 2 PHXF1816A PHXF1615A PHXT1411A PHXT1209A PHXT1008A PHXT0807A MSD1465 **Hardware** | CH755 x 6 CH750 x 4 HS1000 SS840 SS662 DS840 FP9315 CHH920 CL945B x 4 TH904A x 2 HSAT910 **Additional** | SKRM100 x 2 DTXT3 TP100 x 2 TP120SD **Rack** | HXTC x 8 HXCX x 8 HXDB HXAC x 3 L-Rod x 2 HXLC x 2 HXBC x 2 HXOC x 2 HXCP44 x 2 HXCP36 x 3 HXCP24 x 2 HXTL23 HXTL33 x 4

A Range of Options

In addition to the qualities of tonality and functionality, YAMAHA has paid special attention to the values of interior and exterior beauty.

The exterior of the PHX shell is available in classic maple or exotic burled ash finishes. Further, the Hook Lugs and aluminum die-cast hoops are available in either gold or chrome options.

Experience the ultimate combination of unparalleled beauty with brilliant color finishes, including the fresh and unique textured paint.



PHX badge with Phoenix



With Gold Parts



With Chrome Parts

Artists

Tommy Aldridge

Eddie Bayers

Tommy Brechtlein

Paul Brochu

Gerry Brown

Teddy Campbell

Keith Carlock

Jimmy Chamberlin

Ndugu Chancler

Aaron Comess

Kirk Covington

Sonny Emory

Anton Fig

Ralf Gustke

Wolfgang Haffner

Ralph Humphrey

Akira Jimbo

Manu Katche

Russ Kunkel

Paul Leim

Russ Miller

Larry Mullen, Jr.

Hiroyuki Noritake

Gary Novak

John Robinson

Oscar Seaton

George Schwindt

Mike Shapiro

Eiji Shimamura

Erik Smith

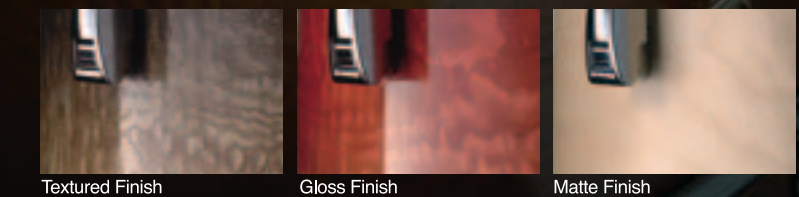
Dave Weckl

Color Finish

ASH	
Gloss Finish	Textured Finish
	
Sapphire Fade (SPF)	Textured Black Sunburst (TBS)
	
Garnet Fade (GNF)	Textured Amber Sunburst (TAS)
	
Turquoise Fade (TQF)	

MAPLE	
Gloss Finish	Matte Finish
	
Black Cherry Sunburst (BCS)	Matte Black (MBL)
	
Polar White (PWH)	Matte Natural (MNT)

3 types of surface finish



Textured Finish

Gloss Finish

Matte Finish