

# TYPHON

# TYPHON SERIES

POWERFUL | PORTABLE | VERSATILE PA

NEW



Typhon 15" models



Typhon 12" models



Typhon 8" models



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# Typhon

TYPHON - Pronounced - "TYF—ON"

In ancient mythology, Typhon was a giant who brought fear to his enemies. From a similar era to the Titans, it is said that the God Typhon had the power to create and control massive wind tornadoes in his battles. Mythology also often refers to him as being invincible.

The Typhon series are powerful, portable and versatile active loudspeakers available as a 15", 12" or highly portable 8" model. Suitable for many professional audio applications a Typhon is ideal for DJ's, live bands, small to medium size stages, installations and houses of worship.



## All Typhon models feature...

- Fresh new design with full frontal steel grills
- Top and bottom practical handles
- Bluetooth models with TWS linking
- Bi-amplified with Class D amps
- 4 position DSP

# Bi-amplified power

The two separate Class D power amps deliver huge output power while keeping the overall weight to minimum.

Bi-amplification means that each amplifier is perfectly matched to the driver it is connected to. This leads to more defined sound quality with crisper highs and more impressive lows.

The efficiency of the amplifier stages means that Typhon uses convection cooling and has no need for an internal fan. This results in a more reliable product with quieter operation.



## Custom drivers

Custom Wharfedale Pro transducers have been selected for Typhon. The custom compression driver features a 1.75" voice coil. This is coupled to a 100° x 80° waveguide for smooth HF dispersion.

The custom Wharfedale Pro LF transducers have a newly designed ferrite core, uses flat coil windings to aid cooling, and feature a moisture rejecting cone material which allows Typhon to be used in damp or humid conditions.

Since 1932 Wharfedale have been world leaders in driver technologies and the transducers created for Typhon are the pinnacle of that heritage and experience.



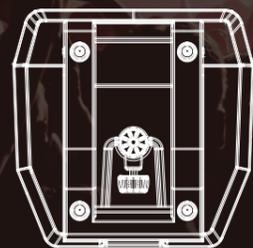
# Construction



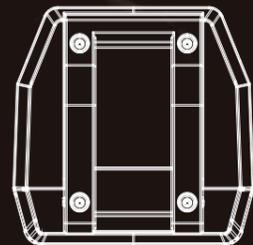
A modern polypropylene cabinet with a full frontal steel grill houses the most advanced active loudspeaker ever created by Wharfedale Pro. This injection moulded cabinet is carefully engineered to feature 5 carry handles making transportation easy and well balanced.

Behind the front grille is also a protective foam cloth which protects the drivers.

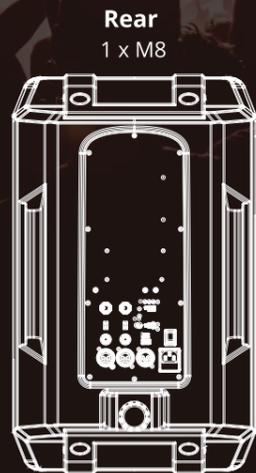
For installation and rigging, the Typhon cabinet includes multiple rigging points (4 on the top, 4 on the base and 1 on the rear). There is also a 35 mm pole socket with screw lock on the base.



**Base**  
4 x M8  
plus 35mm  
pole socket



**Top**  
4 x M8

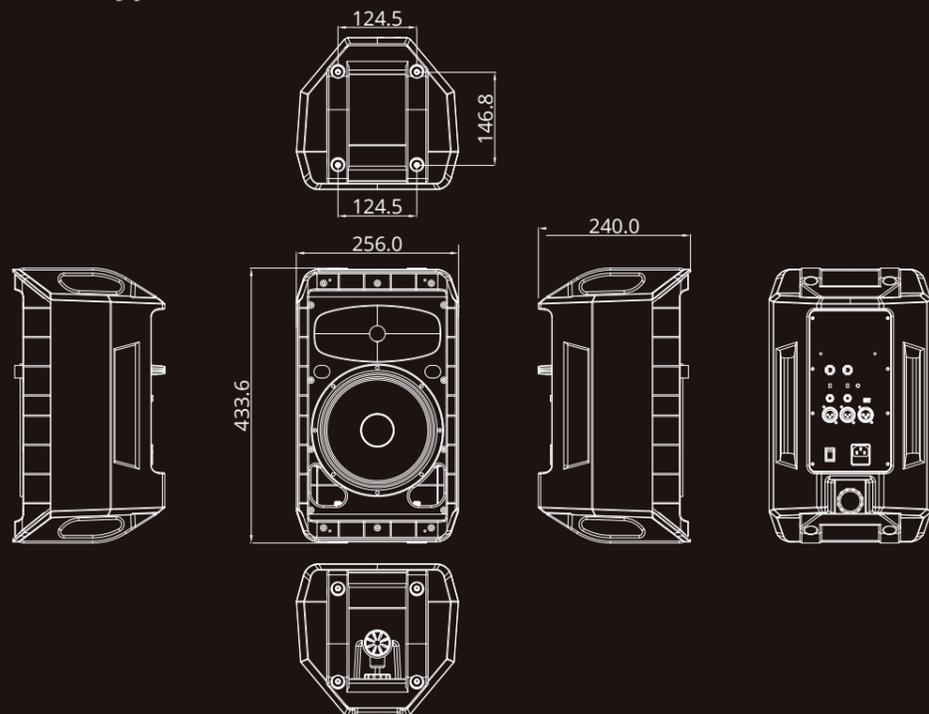


**Rear**  
1 x M8



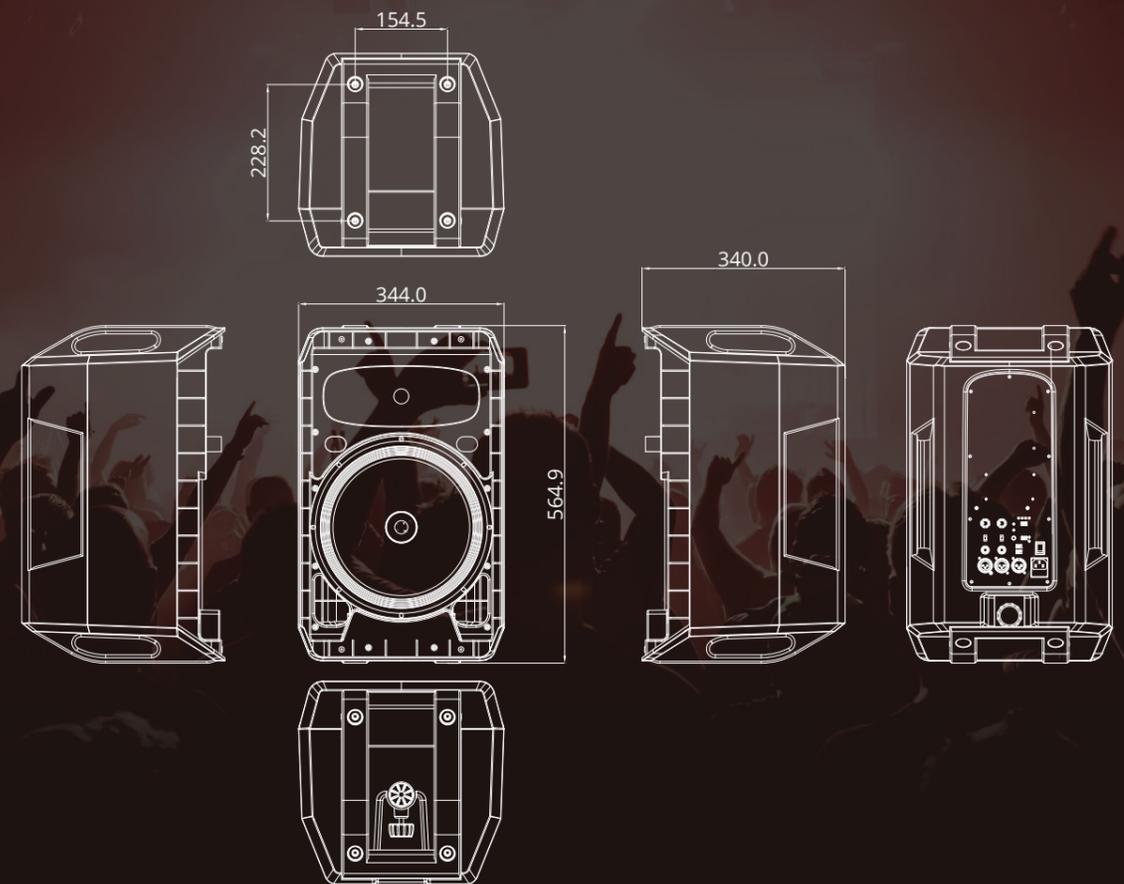
**Front**

## Typhon-AX8 and Typhon-AX8-BT

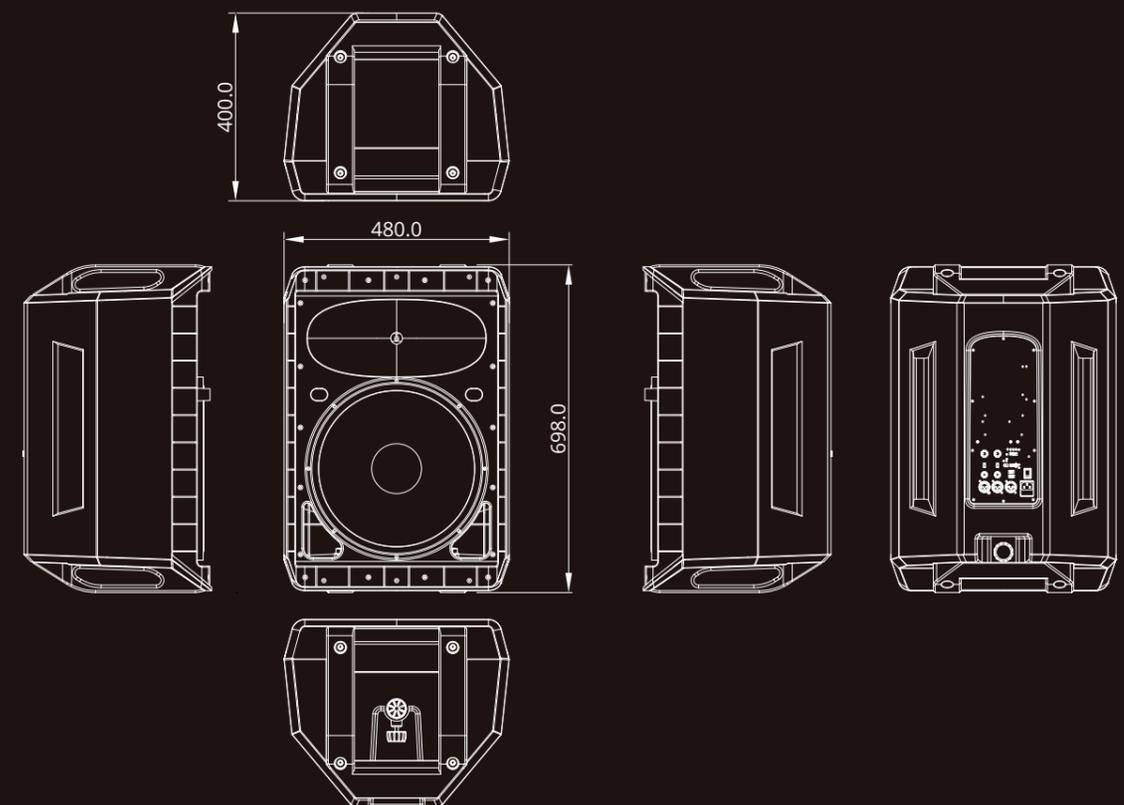


# Construction

## TYPHON-AX12 and TYPHON-AX12-BT



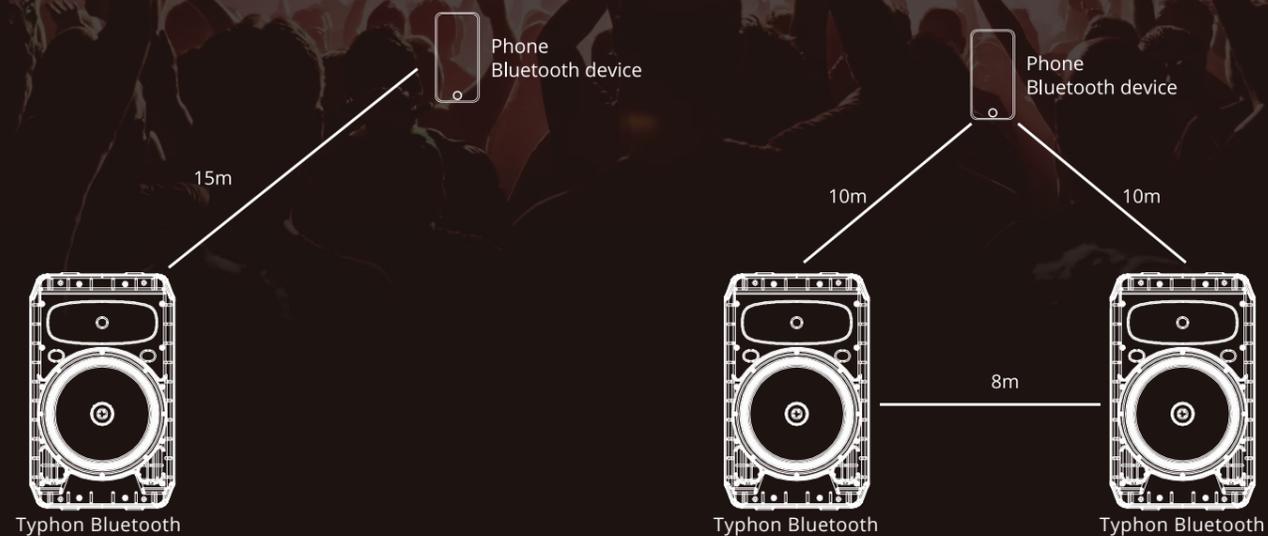
## TYPHON-AX15 and TYPHON-AX15-BT



# Typhon Bluetooth models

The Typhon Bluetooth models feature all the same DSP, amplifiers and drivers as the non-Bluetooth models, but also come with Bluetooth. This makes it easy to connect wirelessly to the Typhon using a Bluetooth enabled mobile phone or tablet. The Bluetooth uses the aptX protocol which ensures the highest quality digital audio transmission. Wire-free with simple pairing.

The Bluetooth models also have a TWS Stereo Link mode. Simply connect your Bluetooth device to the first of your Bluetooth Typhon's and then press 'ST Link'. The first Typhon will communicate with the second Typhon and create a wire-free stereo pair.



## ....and MORE!

### Connection

Around the back of Typhon are the connectors. Balanced XLR and jack inputs ensure the highest possible signal quality during the input stage. Input A can be switched between both Mic and Line level signals. Input B can be switched between the Bluetooth input and balanced Line level inputs. For connecting to other audio equipment, Typhon features a balanced Link Output. Use this to connect to another Typhon, the input of a mixing desk or even an active subwoofer.

### RCA Connection - 8" models

The 8" Typhons also include handy stereo RCA connectors. These are ideal for connection from a domestic level audio source such as a CD player or tuner.

### Protection

Typhon features a comprehensive self protection system to ensure reliable operation right up to the power limit. Intelligent electronics constantly monitor for DC, overload, short circuit, thermals and LF/HF limiting giving you peace of mind and preventing internal damage.

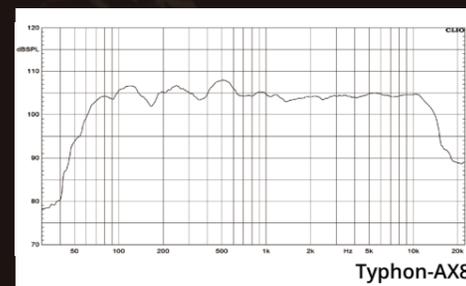
# ADVANCED DSP

The DSP inside all models of Typhon is extremely powerful. Here we describe the 4 modes and their possible real-life applications.



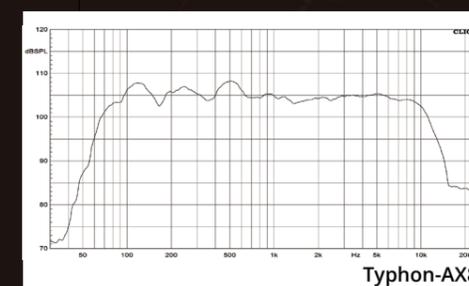
### FLAT

The Flat mode is 'the truth'. This mode is ideal for when connecting guitar effects processors directly to a Typhon. Full Range, Flat Response. Simply YOUR sound.



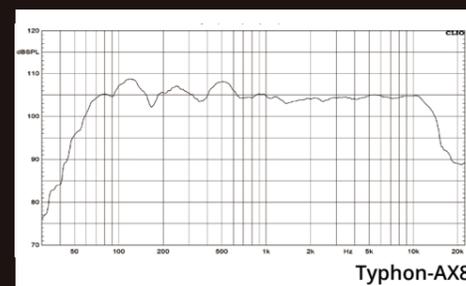
### MONITOR

This mode rolls off low frequencies which are not needed when a Typhon is on the floor. High frequencies are also attenuated to reduce risk of feedback.



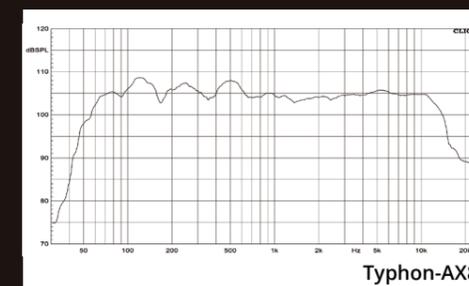
### BASS

By pushing the bass frequencies, this mode is ideal when a Typhon is being used at lower volumes. It delivers a more powerful sound without having to turn the volume up.



### PUNCH

A 'crisp' and 'tight' DSP mode which gives the impression of power. Use this when you really need to cut through.



# EVERYONE LOVES BASS

To enhance a TYPHON system, the T-Sub-Ax15B is the perfect active subwoofer partner. With 700w of Class D Continuous power driving a custom WP 15" Quad layer driver, T-Sub-Ax15B is sonically matched for a TYPHON.



T-Sub with  
TYPHON

## Accessories

### Optional Typhon Tour bags

Typhon Tour bag is for touring musicians, mobile DJs and any professional sound engineer or artist looking to keep their Typhon in showroom quality.

Made with a durable, waterproof padded mesh nylon material and removable sections for ultimate convenience, this is another easy way of making sure that Typhon stands the test of time and a lifetime on the road.



### WPB-2

For tidy wall mounting, the WPB-2 can be used. This all-steel bracket features a 35mm pole fixture which the Typhon 8" or Typhon 12" will sit on securely.



Typhon 12" is supplied with a practical wedge accessory. This custom designed wedge allows Typhon to be placed at the perfect angle for use onstage - as a floor monitor.

Typhon 15" and 8" can be used as a monitor without this accessory.



# SPECIFICATIONS

Model Name	Typhon-AX8	Typhon-AX8-BT
System Type	Active 8" 2-way	Active 8" 2-way
Frequency Response (+/-3 dB)	65 Hz-20 kHz	65 Hz-20 kHz
Frequency Range (- 10 dB)	60 Hz-20 kHz	60 Hz-20 kHz
Maximum SPL (peak @1 m)	127 dB	127 dB
Sensitivity (@ 1 W / 1 m)	96 dB	96 dB
<b>Low Frequency Transducer</b>		
Size (mm / inches)	203.8 mm / 8"	203.8 mm / 8"
Voice-Coil Size (mm / inches)	65 mm / 2.5"	65 mm / 2.5"
Rated Impedance	4 Ω	4 Ω
<b>High Frequency Transducer</b>		
HF Driver Type	Compression Driver	Compression Driver
Coil Size (mm / inches)	44 mm / 1.75"	44 mm / 1.75"
Exit Size (mm / inches)	25 mm / 1"	25 mm / 1"
Diaphragm Material	Titanium	Titanium
Rated Impedance	8 Ω	8 Ω
Nominal Coverage (H x V)	Hybrid Symmetry Horn 100° x 80°	Hybrid Symmetry Horn 100° x 80°
Amplifiers	2 x Class D	2 x Class D
Power Rating:	1440 W Peak (1200 W LF + 240 W HF), 720 W Continuous (600 W LF + 120 W HF)	1440 W Peak (1200 W LF + 240 W HF), 720 W Continuous (600 W LF + 120 W HF)
DSP Controls---D-EQ	FLAT/MONITOR/BASS/PUNCH	FLAT/MONITOR/BASS/PUNCH
<b>Amplifier Protection</b>		
Power On Protection	Yes	Yes
Thermal Protection	Yes	Yes
Low Line Voltage Shut Down	Yes	Yes
Driver Protection	Yes	Yes
DC Protection	Yes	Yes
Short Protection	Yes	Yes
Clip Limiter	Yes	Yes
Limiter Indicator	Yes	Yes
Power Indicator	Yes	Yes
<b>Inputs</b>		
Input A - type	Balanced /RCA	Balanced/RCA/Bluetooth(aptX,with link Stereo)
Input Sensitivity	775 mV (0 dBu)	775 mV (0 dBu)
Maximum Input Level	4 V	4 V
Input Connectors	2 x XLR, 2 x 6.3 mm, 2 x RCA (Line/MIC)	2 x XLR, 2 x 6.3 mm, 2 x RCA (Line/MIC)
Input Impedance	20 K ohms	20 K ohms
<b>Line Output</b>		
Line Output Connector	XLR	XLR
Loop Gain	0 dB	0 dB
<b>AC Power details</b>		
Power Supply	220-240 V AC / 100-120 V AC 50/60 Hz	220-240 V AC / 100-120 V AC 50/60 Hz
<b>Rigging / Bracket / Mounting Options</b>		
	9 x M8 threaded inserts	9 x M8 threaded inserts
	Pole-mount receptacle with lock screw	Pole-mount receptacle with lock screw
	Optional WPB-2 wall-mount bracket	Optional WPB-2 wall-mount bracket
Handles	4 carry handles (on top and bottom side)	4 carry handles (on top and bottom side)
<b>Enclosure</b>		
Enclosure Material and finish	Injection Moulded Polypropylene	Injection Moulded Polypropylene
Colour Options	Black paint	Black paint
Grille Material & Finish	steel	steel
<b>Dimensions - Unpacked</b>		
Height	433.6 mm / 17.1"	433.6 mm / 17.1"
Width Front	256 mm / 10.1"	256 mm / 10.1"
Width Rear	100.1 mm / 3.9"	100.1 mm / 3.9"
Depth	240 mm / 9.5"	240 mm / 9.5"
<b>Dimensions - Packed</b>		
Height	509 mm / 20.0"	509 mm / 20.0"
Width Front	326 mm / 12.8"	326 mm / 12.8"
Width Rear	326 mm / 12.8"	326 mm / 12.8"
Depth	310 mm / 12.2"	310 mm / 12.2"
Net Weight (kg / lbs)	10.7 kg / 23.5 lbs	10.7 kg / 23.5 lbs
Gross Weight (kg / lbs)	12.7 kg / 27.9 lbs	12.7 kg / 27.9 lbs

# SPECIFICATIONS

Model Name	Typhon-AX12	Typhon-AX12-BT
System Type	Active 12" 2-way	Active 12" 2-way
Frequency Response (+/-3 dB)	55 Hz-20 kHz	55 Hz-20 kHz
Frequency Range (- 10 dB)	50 Hz-20 kHz	50 Hz-20 kHz
Maximum SPL (peak @1 m)	129 dB	129 dB
Sensitivity (@ 1 W / 1 m)	98 dB	98 dB
<b>Low Frequency Transducer</b>		
Size (mm / inches)	305 mm / 12"	305 mm / 12"
Voice-Coil Size (mm / inches)	65 mm / 2.5"	65 mm / 2.5"
Rated Impedance	4 Ω	4 Ω
<b>High Frequency Transducer</b>		
HF Driver Type	Compression Driver	Compression Driver
Coil Size (mm / inches)	44 mm / 1.75"	44 mm / 1.75"
Exit Size (mm / inches)	25 mm / 1"	25 mm / 1"
Diaphragm Material	Titanium	Titanium
Rated Impedance	8 Ω	8 Ω
Nominal Coverage (H x V)	Hybrid Symmetry Horn 100° x 80°	Hybrid Symmetry Horn 100° x 80°
Amplifiers	2 x Class D	2 x Class D
Power Rating:	1440 W Peak (1200 W LF + 240 W HF), 720 W Continuous (600 W LF + 120 W HF)	1440 W Peak (1200 W LF + 240 W HF), 720 W Continuous (600 W LF + 120 W HF)
DSP Controls---D-EQ	FLAT/MONITOR/BASS/PUNCH	FLAT/MONITOR/BASS/PUNCH
<b>Amplifier Protection</b>		
Power On Protection	Yes	Yes
Thermal Protection	Yes	Yes
Low Line Voltage Shut Down	Yes	Yes
Driver Protection	Yes	Yes
DC Protection	Yes	Yes
Short Protection	Yes	Yes
Clip Limiter	Yes	Yes
Limiter Indicator	Yes	Yes
Power Indicator	Yes	Yes
<b>Inputs</b>		
Input A - type	Balanced	Balanced/Bluetooth(aptX,with link Stereo)
Input Sensitivity	775 mV (0 dBu)	775 mV (0 dBu)
Maximum Input Level	4 V	4 V
Input Connectors	2 x XLR, 2 x 6.3 mm (Line/MIC)	2 x XLR, 2 x 6.3 mm (Line/MIC)
Input Impedance	20 K ohms	20 K ohms
<b>Line Output</b>		
Line Output Connector	XLR	XLR
Loop Gain	0 dB	0 dB
<b>AC Power details</b>		
Power Supply	220~240 V AC / 100~120 V AC 50/60 Hz	220~240 V AC / 100~120 V AC 50/60 Hz
Rigging / Bracket / Mounting Options	9 x M8 threaded inserts Pole-mount receptacle with lock screw Optional WPB-2 wall-mount bracket	9 x M8 threaded inserts Pole-mount receptacle with lock screw Optional WPB-2 wall-mount bracket
Handles	4 carry handles (on top and bottom side)	4 carry handles (on top and bottom side)
<b>Enclosure</b>		
Enclosure Material and finish	Injection Moulded Polypropylene	Injection Moulded Polypropylene
Colour Options	Black paint	Black paint
Grille Material & Finish	steel	steel
<b>Dimensions - Unpacked</b>		
Height	558 mm / 22.0"	558 mm / 22.0"
Width Front	344 mm / 13.6"	344 mm / 13.6"
Width Rear	245 mm / 9.6"	245 mm / 9.6"
Depth	340 mm / 13.4"	340 mm / 13.4"
<b>Dimensions - Packed</b>		
Height	645 mm / 25.4"	645 mm / 25.4"
Width Front	425 mm / 16.7"	425 mm / 16.7"
Width Rear	425 mm / 16.7"	425 mm / 16.7"
Depth	419 mm / 16.5"	419 mm / 16.5"
Net Weight (kg / lbs)	16.2 kg / 35.6 lbs	16.2 kg / 35.6 lbs
Gross Weight (kg / lbs)	18.9 kg / 41.6 lbs	18.9 kg / 41.6 lbs

# SPECIFICATIONS

Model Name	Typhon-AX15	Typhon-AX15-BT
System Type	Active 15" 2-way	Active 15" 2-way
Frequency Response (+/-3 dB)	45 Hz-20 KHz	45 Hz-20 KHz
Frequency Range (- 10 dB)	40 Hz-20 KHz	40 Hz-20 KHz
Maximum SPL (peak @1 m)	130 dB	130 dB
Sensitivity (@ 1 W / 1 m)	99 dB	99 dB
<b>Low Frequency Transducer</b>		
Size (mm / inches)	381 mm / 15"	381mm / 15"
Voice-Coil Size (mm / inches)	75 mm / 3.0"	75 mm / 3.0"
Rated Impedance	4 Ω	4 Ω
<b>High Frequency Transducer</b>		
HF Driver Type	Compression Driver	Compression Driver
Coil Size (mm / inches)	44 mm / 1.75"	44 mm / 1.75"
Exit Size (mm / inches)	25 mm / 1"	25 mm / 1"
Diaphragm Material	Titanium	Titanium
Rated Impedance	8 Ω	8 Ω
Nominal Coverage (H x V)	Hybrid Symmetry Horn 100° x 80°	Hybrid Symmetry Horn 100° x 80°
Amplifiers	2 x Class D	2 x Class D
Power Rating:	1540 W Peak (1300 W LF + 240 W HF), 770 W Continuous (650 W LF + 120 W HF)	1540 W Peak (1300 W LF + 240 W HF), 770 W Continuous (650 W LF + 120 W HF)
DSP Controls---D-EQ	FLAT/MONITOR/BASS/PUNCH	FLAT/MONITOR/BASS/PUNCH
<b>Amplifier Protection</b>		
Power On Protection	Yes	Yes
Thermal Protection	Yes	Yes
Low Line Voltage Shut Down	Yes	Yes
Driver Protection	Yes	Yes
DC Protection	Yes	Yes
Short Protection	Yes	Yes
Clip Limiter	Yes	Yes
Limiter Indicator	Yes	Yes
Power Indicator	Yes	Yes
<b>Inputs</b>		
Input A - type	Balanced	Balanced/Bluetooth(aptX,with link Stereo)
Input Sensitivity	775 mV (0 dBu)	775 mV (0 dBu)
Maximum Input Level	4 V	4 V
Input Connectors	2 x XLR, 2 x 6.3 mm (Line/MIC)	2 x XLR, 2 x 6.3 mm (Line/MIC)
Input Impedance	20 K ohms	20 K ohms
<b>Line Output</b>		
Line Output Connector	XLR	XLR
Loop Gain	0 dB	0 dB
<b>AC Power details</b>		
Power Supply	220~240 V AC / 100~120 V AC 50/60 Hz	220~240 V AC / 100~120 V AC 50/60 Hz
Rigging / Bracket / Mounting Options	9 x M8 threaded inserts Pole-mount receptacle with lock screw Optional WPB-2 wall-mount bracket	9 x M8 threaded inserts Pole-mount receptacle with lock screw Optional WPB-2 wall-mount bracket
Handles	2 carry handles (on top and bottom side)	2 carry handles (on top and bottom side)
<b>Enclosure</b>		
Enclosure Material and finish	Injection Moulded Polypropylene	Injection Moulded Polypropylene
Colour Options	Black paint	Black paint
Grille Material & Finish	steel	steel
<b>Dimensions - Unpacked</b>		
Height	697.7 mm / 27.5"	697.7 mm / 27.5"
Width Front	480 mm / 18.9"	480 mm / 18.9"
Width Rear	186.2 mm / 7.3"	186.2 mm / 7.3"
Depth	400 mm / 15.7"	400 mm / 15.7"
<b>Dimensions - Packed</b>		
Height	788 mm / 31.02"	788 mm / 31.02"
Width Front	550 mm / 21.9"	550 mm / 21.9"
Width Rear	550 mm / 21.9"	550 mm / 21.9"
Depth	475 mm / 18.7"	475 mm / 18.7"
Net Weight (kg / lbs)	27.3 kg / 60.06 lbs	27.3 kg / 60.06 lbs
Gross Weight (kg / lbs)	30.0 kg / 66 lbs	30.0 kg / 66 lbs