PROFESSIONAL SOUND SYSTEMS

Titan series





Titan[™] Series ---An Ideal Choice For Portable Sound Or Installation Applications

Wharfedale Pro TitanTM Series of passive and self-powered foreground/back-ground music and sound reinforcement speakers is the ultimate in portability, performance and styling for music, speech, and a variety of sound reinforcement applications. Built around the best components, including a titanium compression driver and heavy-duty cast-frame woofer, TitanTM Series delivers the high level, even dispersion and sonic integrity usually associated with much more expensive speakers.

The **Titan™** enclosure is created using state of the art, gas assist injection moulding technology, enabling us to mould thicker, hollow core enclosure walls, which

are stronger, sonically superior and much lighter in weight than standard injection moulded enclosures. In addition, internal laminar flow ribs further increase the rigidity of the enclosure. This intelligent enclosure design, along with a custom Wharfedale Pro transducer is essential in the reproduction of punchy low end down to 45Hz.

Designed to perform in portable and fixed installation applications alike, the **Titan™** Series, with an ultralight-weight composite enclosure, offers a range of mounting options, the optional tripod floor stands, the optional wall mount, or even on its side as a floor monitor.

"Lighten the load and work wonders with Wharfedale's new PA speaker system. With portability, ease of use and high quality as watchwords, you can't go far wrong with a pair!"



Features

- 2-way reflex systems
- 3 Passive and 3 Active models + 2 Powered Subs
- Low distortion, high power woofers
- 25.4mm Titanium high frequency compression drivers
- XLR output for connecting to another powered speaker
- RCA inputs for MP3, CD or other inputs
- 90° x 60° degree integral Elliptical Wave Guide for even high frequency dispersion
- Power On LED indicator in horn throat and back panel
- Active signal limiting system with LED indicator
- DTF™ Dynamic Thermal Filament HF driver protection
- Lightweight, high strength Polypropylene cabinet
- Integral 35mm (1-3/8") stand socket
- M6, M8 & M10 hanging points
- Accommodates OmniMount® 30.0 bracket (Titan™ 8) & 60.0 bracket (Titan™ 12 & 15)
- Built in, rubberized easy-grip handles for convenient transportation
- Available in grey, white or black



Titan™ Series Front Panel Features

High frequency driver and power on indicator

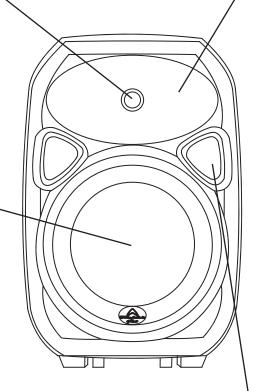
The high frequency driver is a custom designed titanium compression driver. For Active version, a circular blue power 'ON' indicator is embedded in the throat of the horn. There is an additional power 'ON' LED indicator on the rear panel.

Transducers

The **Titan**TM Active Series features a custom designed, heavy-duty low frequency driver precisely matched to a high frequency Titanium compression driver with integral bi-amplification. Both drivers are designed for maximum output, wide dispersion and precise audio signal reproduction.



Moisture-proof low frequency driver for wherever you play.



Elliptical Wave Guide ™

Our unique EWG™ design is the result of intensive computer modeling of natural acoustic wave propagation. To provide more acoustically transparent high-frequency pattern control, hard edges, corners, and parallel surfaces were eliminated from the design while still enabling 90 x 60 degree high frequency coverage. The smoother, more "organic" shape of the EWG™ design reduces high frequency distortion and diffraction eliminating acoustic artifacts found in other horn design technologies. The result is smoother frequency response, greater driver efficiency, and improved vocal and instrument reproduction.



Proprietary 90° x 60° Elliptical Wave Guide™ horn design.

Ports

There are two ports on front of the Titan™ Series that are reflex tuned to provide enhanced low frequency response from the enclosure.

Enclosure Features



- Rugged Polypropylene injection moulded cabinets with rubberized over-molded handles
- Trapezoidal shape allows for vertical arrays as well as horizontal stage monitor applications
- Protective metal grille
- Multiple M6, M8 or M10 rigging points including wall mount bracket inserts
- Power 'ON' LED indicators inside of the high frequency horn throat and on the back panel
- Standard 35mm integral speaker stand socket and bottom mounted bracket inserts



Using state of the art, gas assist injection moulding technology, plus an internal laminar flow rib pattern we have increased the enclosures rigidity and reduced its weight compared with standard injection moulded enclosures.

Titan™ Active Series

Wharfedale Pro has also taken the power and reliability of the innovative **TitanTM** passive models and combined it with on board bi-amplification and active crossovers to make the stunning **TitanTM** Active Series: **TitanTM** 8 Active, **TitanTM** 12 Active and **TitanTM** 15 Active. These powerhouses are at home almost anywhere, band practice, on stage, in studios, at rehearsals, theaters, even houses of worship.

The **Titan™** Active Series is a self-powered, two-way professional loudspeaker system incorporating a high grade Bi-Amp Class D and Class A/B Amplifiers. The model also has intelligent electronics, such as full protection system: DC, overload, short circuit, thermal, On / Off mute and LF / HF Limiters, which protects the system from overload and allows reliable operation right up to the power limit.



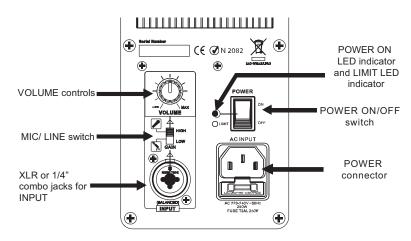
Features

- 2-way, active bi-amplified speaker system
- Custom 8", 12" & 15" Low Frequency driver and Titanium High Frequency compression driver provide exceptional clarity, high power handling capability and maximum efficiency
- State-of-the-art, high efficiency switch mode power supply with a class D low frequency power amplifier and a class A/B or class D high frequency amplifier
- Active signal limiting system with LED indicator on rear panel
- Built in 2 channel mixer with microphone and line level inputs Balanced XLR line output for connections to subwoofers or daisy-chaining units together
- Switchable Bass Response Optimizer (BRO™) circuit (Titan™ 12 & 15 Active)
- · Low distortion, high power handling, water resistant woofer
- Professional high frequency compression driver with titanium diaphragm
- XLR and TRS line inputs via convenient 'combo' jacks
- Two band master EQ controls
- Full Protection system: DC, overload, short circuit, thermal, On / Off mute and LF / HF Limiters

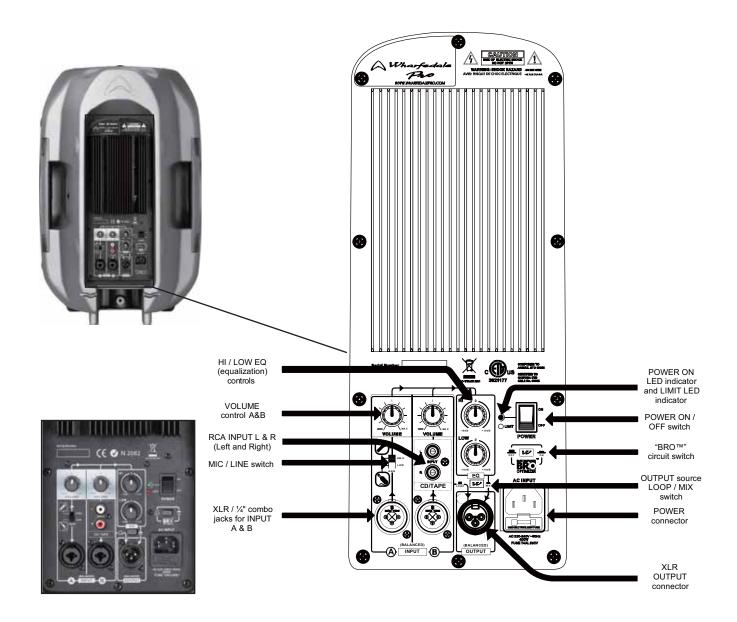
"If you're in a band looking to tour, I would quite happily invest in a pair of these speakers and a however-many channel mixer, and be done with it. You won't be the least bit dissapointed."

Titan™ 8 Active Rear Panel





Titan™ 12 & 15 Active Rear Panel



Titan™ Active Descriptions

Amplifier

The TitanTM Active features a state-of-the-art Class D low frequency amplifier design. Class D amplifiers are known for their extended efficiency, low heat dissipation and lightweight compared to other amplifier classifications. Class D technology allows for unparalleled audio quality in a lightweight, powered speaker system. A high quality, low distortion and highly efficient Class A/B amplifier provide high frequency power.

Mixer and Controls

The **TitanTM Active** provides basic mixing functions with a variety of input options. Two inputs with separate level controls and a common equalization section allow for overall balance and tonal characteristic control. Easy interfacing to external mixers and processors provide for easy expansion to larger, more sophisticated systems.

Bass Response Optimizer

Designed for flexibility and ease of use, the Titan™ 12 Active and Titan™ 15 Active feature unique BASS RESPONSE OPTIMIZER or "BRO™ circuit" that work like the "loudness" controls on vintage stereo systems. With the "BRO"™ circuit engaged, low frequency response increases as the overall volume is decreased providing for outstanding low frequency response at lower volume levels.

Titan™ Passive Series

Compact and lightweight, **Titan™** 8, **Titan™** 12 and **Titan™** 15 provide high output, punchy low end and extended high frequency response that is equally at home with music and speech. Compact, lightweight and affordable, the **Titan™** Passive Series still packs professional drivers that deliver unmatched performance.

"With great clarity at the top end, they allowed me to reinforce speech at a conference in a low-level, natural way, whilst maintaining intelligibility. But they are certainly capable of much more..."

June 2008, Performing Musician

Features

- 2-way, passive speaker system
- Custom Heavy duty moisture-proof 8, 12" or 15" LF driver
- Proprietary 90 x 60 Elliptical Wave Guide Horn design
- High-end Titanium HF Compression Driver
- Tough Polypropylene molded cabinet with rubber padded handles
- Multiple M6, M8 & M10 rigging points and integral tripod stand adapter
- Rugged protective grille and top-stacking receptacles
- Trapezoid shape for arrays as well as stage monitor applications
- Bulb High-Frequency Driver Overload protection (Titan™ 8)
- DTF™ High-Frequency Driver Overload protection (**Titan™** 12 & 15)
- Sophisticated Linkwitz-Riley 24dB/octave crossover design
- High-Frequency EQ switch (boost/flat) for long-throw applications



Both **Titan™** Passive and Active series are available in the full choice colors: grey, white and black.

Titan™ Sub-A12 and Sub-A15 Subwoofers

Titan™ Sub-A12

The **Titan™** Sub-A12 is powerful 12 inches reflex subwoofer designed to provide bass extension for **Titan™** 8A for an incredibly portable sound reinforcement setup. A built-in 250 watt (continuous), 500 watt (peak) amplifier conveniently accepts stereo or mono line level inputs via dual, balanced, XLR-¼" "combo" connectors.



Features

- 12" active reflex subwoofer
- Low-frequency power amplifier (class d) 250w rms, 500w peak
- Preset integral peak limiter prevents signal distortion and amplifier clipping
- Integral phase switch with 0° and 180° selections
- Adjustable crossover frequency: 80hz/100hz/120hz/150hz/180hz/200hz
- High pass frequency selection:150hz
- Thermal, dc fault and short circuit protection
- Xlr / 1/4 " combo jack inputs plus dual summed rca jacks on channel 2
- Balanced line level output
- Preset limiter prevents signal clipping
- Integral pole mount adapter

Titan™ Sub-A15

The **TitanTM** Sub-A15 is powerful 15 inches band pass active subwoofer. A built-in 400 watt (continuous) 600 watt (peak) amplifier conveniently accepts stereo or mono line level inputs via dual, balanced, XLR- $\frac{1}{4}$ " "combo" connectors as well as a unique single channel 4Ω speaker level input via a $\frac{1}{4}$ " phone jack which allows for use with a standard sound reinforcement amplifier (when the internal amplifier is not used).

A custom designed, down-firing, aluminium cast frame 15" woofer, with a 3" voice coil, is utilized as the heart of the **Titan™** Sub-A15's complementary low frequency enhancement system.



Features

- 15" band pass active subwoofer
- Built-in 600 watt (peak), 400 watt (continuous) amplifier
- 0°, 180° PHASE switch
- High pass frequency selection: 100Hz
- Crossover frequency: 150Hz
- Thermal, DC fault and short circuit protection
- Power on and system AGC protect LED indicators
- Integral preset limiter prevents clipping and distortion
- Summed, stereo line level inputs combine the left and right signals to a single, mono signal, which is routed to the **Titan™** Sub-A15's internal amplifier
- A pair of an integral crossovers send a high-pass, balanced, line-level, stereo signal to a pair of powered satellite full-range speakers or an external amplifier for passive satellite speakers
- A speaker-level, 1/4" TS phone jack input is provided

Pole Mount Socket and Bracket Attachment

A top stacking feature is provided for multi-loudspeaker applications and the **TitanTM** Series can be used on its side as a stage monitor. The speaker stand receptacle features a locking screw to ensure stability and rubber-padded carry handles make the job of transporting the enclosure easier than ever.



Designed to work as a floor monitor too



Trapezoid shape for arrays as well as stage monitor applications



Ultra-light weight for maximum portability

Mounting Socket and Bracket Attachment

The bottom of the **Titan™** Series provides a convenient built in pole mount socket that is used for easy mounting on a standard 35mm diameter speaker stand pole. Cord wrap and cable anchor features are also moulded into the enclosure. M6, M8 or M10 threaded rigging points are provided for a variety of safe flying configurations with four of these inserts available, bottom-mounted, in an OmniMount® 30.0 bracket footprint (**Titan™** 8) or in an OmniMount® 60.0 bracket footprint (**Titan™** 12 & 15).



Rigging inserts for several hand-mount options



Optional wall-mount bracket for installation



Integral stand mount for optional stands

Optional Accessories

Titan™ TOUR BAG – Ballistic nylon zippered carry bag protects your **Titan™** and features a storage pocket for cables.





Titan™ Active Series Specification

| Model Name | Titan™ 8 Active | Titan™ I2 Active | Titan™ I5 Active |
|---------------------------------|---|---|---|
| System Type | Active 8" 2-way Bi-Amplified | Active 12" 2-way Bi-Amplified | Active 15" 2-way Bi-Amplified |
| Frequency Response (+/-3dB) | 70Hz-20kHz | 55-20kHz | 50-20kHz |
| Low Frequency Transducer | _ | | |
| Size (mm / inches) | 205mm / 8" | 305mm / 12" | 381mm / 15" |
| Impedance | 4 Ω | 4 Ω | 4 Ω |
| High Frequency Transducer | _ | | |
| Туре | Titanium Compression Driver | Titanium Compression Driver | Titanium Compression Driver |
| Exit Size (mm / inches) | 30mm / 1.2" | 25mm / 1" | 25mm / 1" |
| High Frequency Coverage (H x V) | 90° x 60° | 90° x 60° | 90° x 60° |
| Amplifiers | | | |
| Low-Frequency (Class D) | Rated 150W RMS, 300W Peak | Rated 250W RMS, 500W Peak | Rated 350W RMS, 700W Peak |
| High- Frequency (Class A/B) | Rated 30W RMS, 60W Peak | Rated 50W RMS, 100W Peak | Rated 70W RMS, 140W Peak |
| Electronic Crossover: | 24dB/octave Linkwitz-Riley | 24dB/octave Linkwitz-Riley | 24dB/octave Linkwitz-Riley |
| Crossover Frequency | 2.4kHz | 2.3kHz | 1.8kHz |
| Controls | | High (±10dB) 10kHz Shelving | High (±10dB) 10kHz Shelving |
| Equalization: | - | Low (±10dB) 100Hz Shelving | Low (±10dB) 100Hz Shelving |
| Bass Response Optimizer | | | |
| ("BRO″™) circuit | - | +5dB at 60Hz | +5dB at 60Hz |
| Subsonic Filter | 30Hz, Second-order filter | 30Hz, Second-order filter | 30Hz, Second-order filter |
| Amplifier Protection | | | |
| Power On Protection | Power switch on / off mute | Power switch on / off mute | Power switch on / off mute |
| Thermal Protection | Amplifier shutdown, auto reset | Amplifier shutdown, auto reset | Amplifier shutdown, auto reset |
| Low Line Voltage Shut Down | 60% Nominal line voltage | 60% Nominal line voltage | 60% Nominal line voltage |
| Driver Protection | Independent LF and HF limiters | Independent LF and HF limiters | Independent LF and HF limiters |
| DC Protection | Yes | Yes | Yes |
| Short Protection | Yes | Yes | Yes |
| Clip Limiter: | Turns on approx 150W output | Turns on approx 250W output | Turns on approx 350W output |
| Limiter Indicator | Red LED | Red LED | Red LED |
| Power Indicator | Blue LED | Blue LED | Blue LED |
| Inputs | | | |
| Input A – type | Switchable balanced mic or line level input | Switchable balanced mic or line level input | Switchable balanced mic or line level input |
| Input Sensitivity | Mic: -36dBu (-38.2dBv or 12.28mVrms) | Mic: -36dBu (-38.2dBv or 12.28mVrms) | Mic: -36dBu (-38.2dBv or 12.28mVrms) |
| | Line: +4dBu (1.78dBv or 1.228Vrms) | Line: +4dBu (1.78dBv or 1.228Vrms) | Line: +4dBu (1.78dBv or 1.228Vrms) |
| Maximum Input Level | +22dBu | +22dBu | +22dBu |
| Input Connector | XLR - 1/ 4" Combo jack | XLR - 1/ 4" Combo jack | XLR - 1/ 4" Combo jack |
| Input Impedance | Balanced: 20k ohms | Balanced: 20k ohms Unbalanced: 10k ohms | Balanced: 20k ohms Unbalanced: 10k ohms |
| Maximum Input Level | +22dBu | +22dBu | +22dBu |
| Input B – type | - | Line level input | Line level input |
| Input Sensitivity | - | XLR - 1/4" Combo jack: 1.78dBv or 1.228Vrms | XLR - 1/4" Combo jack: 1.78dBv or 1.228Vrm: |
| | - | RCA: 0dBu (-2.2dBv or 0.775Vrms) | RCA: 0dBu (-2.2dBv or 0.775Vrms) |
| Maximum Input Level | +22dBu | +22dBu | +22dBu |
| Input Connectors | Combo jack: 1/4" - XLR | Combo jack: 1/4" - XLR / Summed | Combo jack: 1/4" - XLR / Summed |
| • | • | dual RCA jacks | dual RCA jacks |
| Line Output | | <u>-</u> | • |
| Line Output Connector | _ <u>-</u> | Switchable LOOP / MIX Balanced Male XLR | Switchable LOOP / MIX Balanced Male XLR |
| Impedance Balanced: | - | Balanced: 1k ohm – Unbalanced: 500 ohm | Balanced: 1k ohm – Unbalanced: 500 ohm |
| Sensitivity | - | +4dBu (1.78dBv or 1.228Vrms) | +4dBu (1.78dBv or 1.228Vrms) |
| AC Power details | | | |
| Power Supply | High Efficiency Switching | High Efficiency Switching | High Efficiency Switching |
| ,,,, | Mode Power Supply | Mode Power Supply | Mode Power Supply |
| AC Power Options | AC100~120V / 220~240V, 50 / 60Hz | AC100~120V / 220~240V, 50 / 60Hz | AC100~120V / 220~240V, 50 / 60Hz |
| Power On Indicator | LED | LED | LED |
| Rigging / Bracket / | 8 M6 threaded inserts including 4 | 10 M8 threaded inserts including 4 | 10 M8 threaded inserts including 4 |
| Mounting Options | M6 threaded | M8 threaded | M8 threaded |
| Modified Options | inserts on bottom in OmniMount | inserts on bottom in OmniMount | inserts on bottom in OmniMount |
| | 30.0-type footprint | 60.0-type footprint | 60.0-type footprint |
| | Pole-mount receptacle with lock screw | Pole-mount receptacle with lock screw | Pole-mount receptacle with lock screw |
| | 1 carry handles (on each side) | 2 carry handles (one on each side) | 2 carry handles (one on each side) |
| | Optional wall-mount bracket | Optional wall-mount bracket | Optional wall-mount bracket |
| Enclosure Material | Injection Moulded Polypropylene | Injection Moulded Polypropylene | Injection Moulded Polypropylene |
| Colour | Grey or White or Black | Grey or White or Black | Grey or White or Black |
| Dimensions (HxWxD) mm | 396mm x 266mm x 221mm | 556mm x 384mm x 312mm | • |
| | | IIIII X DOHIIIII X DIZIIIII | 708.3mm x 477.8mm x 401.77mm |
| | | | |
| Dimensions (HxWxD) inches | 15.59" x 10.47" x 8.7" | 21.88" x 15.11" x 12.28" | 27.9" x 18.8" x 15.8" |
| | | | |



Titan™ Passive Series Specification

| Model Name | Titan™ 8 Passive | Titan™ I2 Passive | Titan™ I5 Passive |
|-------------------------------|------------------------------------|------------------------------------|------------------------------------|
| LoudspeakerType: | 8" 2-way | 12" 2-way | 15" 2-way |
| Frequency Response (+/- 3dB): | 70Hz -20kHz | 55Hz -20kHz | 50Hz -20kHz |
| Sensitivity (1W@1M): | 96dB | 98dB | 97dB |
| Peak SPL: | 124dB | 128dB | 129dB |
| HF Coverage (H x V): | 90°x 60° | 90°x 60° | 90°x 60° |
| System Impedance: | 8 ohm | 8 ohm | 8 ohm |
| POWER (WATTS) | | | |
| Continuous: | 150W | 250W | 400W |
| Music: | 300W | 500W | 800W |
| Peak: | 600W | 1000W | 1600W |
| LF DRIVER | | | |
| Size: | 203mm/ 8" | 305mm/ 12" | 381mm/ 15" |
| Coil Size: | 38.86mm / 1.53" | 64.26mm / 2.5" | 38.86mm / 3.0" |
| HF DRIVER/ HORN | Compression Driver | Compression Driver | Compression Driver |
| Coil Size: | 30mm/1.2" | 44mm/1.75" | 51mm/2.0" |
| Exit Size: | 25mm/1" | 25mm/1" | 25mm/1" |
| Diaphragm Material: | Cloth | Titanium | Titanium |
| HF Driver Protection: | Bulb | DTF™ Dynamic Thermal Filament | DTF™ Dynamic Thermal Filament |
| Long-Throw EQ Compensation: | N/A | 3dB boost (long-throw) / | 3dB boost (long-throw) / |
| | | Flat (near-field) | Flat (near-field) |
| Horn Type: | EWG™ -Elliptical Waveguide | EWG™ -Elliptical Waveguide | EWG™ -Elliptical Waveguide |
| Throat Size: | 25mm/1" | 25mm/1" | 25mm/1" |
| CROSSOVER | | | |
| Type/Frequency/Filter: | 2-way 2.4KHz / Linkwitz-Riley | 2-way 2.2KHz / Linkwitz-Riley | 2-way 1.8KHz / Linkwitz-Riley |
| ENCLOSURE | | | |
| Shape/ Material: | Trapezoidal/ Polypropylene | Trapezoidal/ Polypropylene | Trapezoidal/ Polypropylene |
| Rigging: | + (8) M6 threaded rigging points | + (10) M8 threaded rigging points | + (10) M8 threaded rigging points |
| | + (4) M6 threaded rigging points | + (4) M8 threaded rigging points | + (4) M8 threaded rigging points |
| | on bottom in Omnimount® | on bottom in Omnimount® | on bottom in Omnimount® |
| | 30.0-type footprint | 60.0-type footprint | 60.0-type footprint |
| | + Speaker pole-mount receptacle | + Speaker pole-mount receptacle | + Speaker pole-mount receptacle |
| | with lock screw | with lock screw | with lock screw |
| | + 1 built-in carry handle | + Optional wall-mount bracket | + Optional wall-mount bracket |
| | + Optional wall-mount bracket | + Optional dual-unit array speaker | + Optional dual-unit array speaker |
| | + Optional dual-unit array speaker | stand hardware | stand hardware |
| | stand hardware | | |
| OUTPUT CONNECTORS | 2 x 1/4" jacks + 2 x NL4 | 2 x 1/4" jacks + 2 x NL4 | 2 x 1/4" jacks + 2 x NL4 |
| DIMENSIONS/WEIGHTS | | | |
| Weight: | 5.5kg / 12.1lbs | 12kg / 26.4lbs | 22kg / 48.4lbs |
| Dimensions (H x W x D): | 396mm x 266mm x 221mm | 556mm x 384mm x 312mm | 708.3mm x 477.8mm x 401.77mm |
| , | 15.59" x 10.47" x 8.7" | 21.88" x 15.1" x 12.3" | 27.9" x 18.8" x 15.8" |

Titan™ Sub-A Series Specification

| Model Name | Titan™ Sub-Al2 | Titan™ Sub-Al5 |
|----------------------------------|---|--|
| System Type | Reflex subwoofer | Band-pass subwoofer |
| Frequency Response (+/-3dB) | 55-200Hz | 45-150Hz |
| Enclosure Material | 15mm MDF | 18mm Plywood |
| Enclosure Colour | Grey | Grey |
| Frame material | steel frame | Die-cast aluminium frame |
| Size (mm / inches) | 305mm / 12" | 404mm / 15" |
| Coil Size (mm / inches) | 64.26mm / 2.5" | 75 / 3" |
| Impedance | 4 ohm | 4 ohm |
| Speaker Pole Adapter | Yes | Yes |
| Inputs A & B - Type / Connection | Balanced Line Level inputs via two combo | Balanced Line Level inputs via two combo |
| | connectors | connectors |
| Output A & B Type / Connection | Balanced Line Level inputs via two combo | Balanced Line Level inputs via two combo |
| | connectors | connectors |
| Input Sensitivity | 0.37V | 0.775V |
| High Pass Frequency Selection | 150Hz | 100Hz |
| Phase Switch Selection | 0° / 180° | 0° / 180° |
| Crossover Frequency | 80Hz/100Hz/120Hz/150Hz/180Hz/200Hz (adjustable) | 150Hz |
| Speaker Level Input Impedance | - | 1/4" TS Phone input |
| Speaker Level Input Connection | - | 4Ω |
| Amplifier Power: | | |
| Continuous | 250W | 400W |
| Peak | 500W | 600W |
| Power On Indicator | LED | LED |
| Power On Protection | Power switch on / off mute | Power switch on / off mute |
| Thermal Protection | Amplifier shutdown, auto reset | Amplifier shutdown, auto reset |
| Low Line Voltage Shut Down | 60% Nominal line voltage | 60% Nominal line voltage |
| Driver Protection | Independent LF limiters | Independent LF limiters |
| DC Protection | Yes | Yes |
| Short Protection | Yes | Yes |
| Clip Limiter: | Turns on approx 250W output | Turns on approx 400W output |
| Limiter Indicator | Red LED | Red LED |
| Power Indicator | Blue LED | Blue LED |
| Dimensions (HxWxD) | | |
| mm | 360.0mm x 493.0mm x 431.0mm | 630.0mm x 478.0mm x 640.0mm |
| inches | 14.2" x 19.4" x 16.9" | 24.8" x 18.8" x 25.2" |
| Weight (Net) kg / lbs | 22.31kg /49.0lbs | 45.48kg / 100.0lbs |
| Weight (Gross) kg / lbs | 26.26kg / 57.8lbs | 50.26kg / 110.5lbs |