

 WHARFEDALE



In brief...	
Founded in	1932
Founder	Gilbert Briggs
Country of Origin	England
Brand Portfolio	Hi-Fi and Home Cinema Loudspeakers
Price Range	GBP100/pair to GBP14,000/pair
Philosophy	Innovative, high-performance, whole home audio solutions for music lovers of all levels
Product Range	ELYSIAN, EVO4, DIAMOND 12, D300, Crystal 4, Diamond Active, Home Cinema, Wireless Speakers, Soundbar, Subwoofer Series, Heritage Series, Bluetooth Speakers, Speaker Stands



CONTENTS

Britain's Most Famous Loudspeakers

4 Wharfedale History

Flagship Loudspeaker Series

6 ELYSIAN

Hi-Fi Loudspeaker Series

18 AURA

24 EVO4

30 DIAMOND 12

Heritage Series

38 Dovedale 90 Anniversary

46 Aston 90 Anniversary

54 LINTON Heritage

60 DENTON 85 Anniversary

64 DX-3 HCP

68 DIAMOND IW OW

Soundbars

74 VISTA 200 / 200S

Subwoofer Series

76 SLIM BASS 8

78 SW Series

79 WH Series

Accessories

80 Speaker Stands

Wharfedale History *Britain's Most Famous Loudspeakers*



▲ 29 December 1890, Gilbert Arthur Briggs was born in the village of Clayton, on the western edge of Bradford



▲ 1932, Wharfedale Bronze - one of Gilbert's early successes



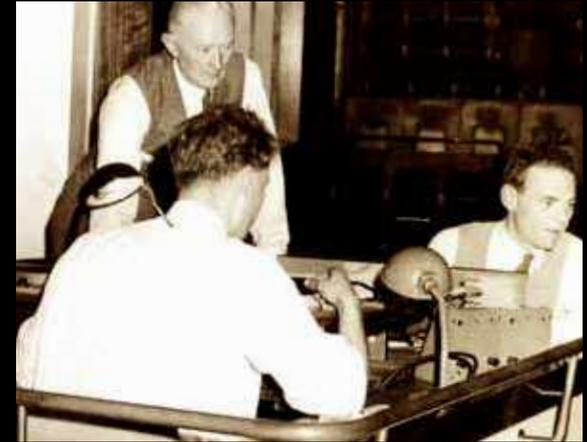
▲ 1948, National Radio Exhibition at Olympia (Radiolympia). Queen Mary, widow of King George V, showing interest in Hi-Fi (photo courtesy of Briggs family)



▲ Obituaries on both sides of Atlantic referred Gilbert Arthur Briggs as the 'father of Hi-Fi' and, indeed, some commentators thought he had invented the term 'high fidelity'



▲ Early 1950s, Idle factory yard (photo courtesy of IAG)



▲ 1954, Peter Walker sitting facing John Collinson and Gilbert Briggs, standing in Box 25 at an RFH rehearsal



▲ Product line up around 1960 displayed in the new demonstration room. (photo courtesy of the Escott family)



▲ March 1965, one of the last photos of Gilbert before retiring

 W H A R F E D A L E

ELYSIAN

Founded in 1932, Wharfedale's founder, Gilbert Briggs, had one goal in mind – to bring music into the home by designing loudspeakers that conveyed the impact, thrill and emotion of performance in an entirely natural and realistic way.

With that end in mind Wharfedale is proud to introduce ELYSIAN, a no-holds-barred technological achievement that is devoted to involving you in the music in a thrilling and exciting way.

What Hi-Fi? - 5 Stars Review, ELYSIAN 4



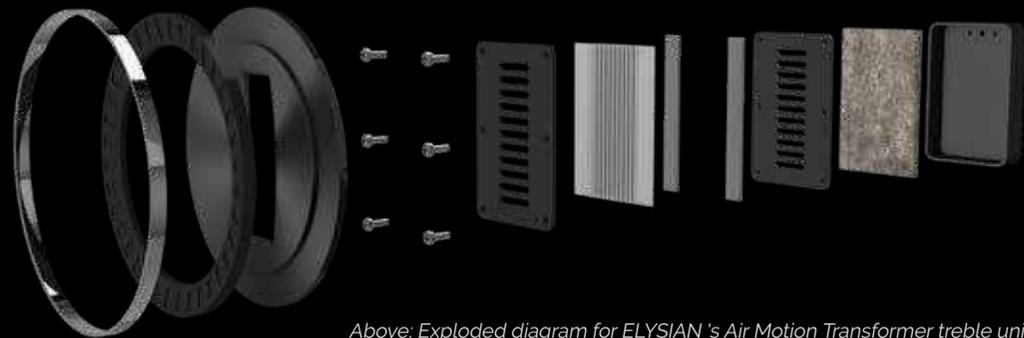
ELYSIAN AMT

The AMT (Air Motion Transformer) is a radically different way of moving air. A large, pleated, lightweight diaphragm is driven across its surface by rows of strategically placed metallic strips immersed in a strong magnetic field. Under the influence of the musical drive the pleats in the diaphragm contract and expand, squeezing the air between them to form the desired waveform.

Not only is this an efficient way of moving air but it is also very accurate as the diaphragm is under close control of the motor system at all times.

In addition the AMT is a velocity, rather than pressure, transducer, capable of producing scintillatingly fast transients and dynamics.

The result is a wide bandwidth device that achieves low distortion naturally and delivers wonderful musical detail.



Above: Exploded diagram for ELYSIAN 's Air Motion Transformer treble unit





ELYSIAN Midrange

In the spirit of Gilbert Briggs, who was well known for experimenting with new driver materials, Wharfedale investigated a range of options to match the sensitivity and accuracy of the AMT treble unit.

The designers settled on a proprietary woven glass fibre matrix, formed into a 150mm cone. This provides a superb combination of low mass and high strength, with the addition of a high-plasticity coating to control its acoustic behaviour. With such a low-mass cone, only a low-damping, foamed, rubber-like material would match for the surround - again, coated for durability.

Drive energy for the cone comes from a 25mm, 2-layer voice coil centred in a magnetic gap fitted with an aluminium ring to control eddy currents, linearise inductance and so increase bandwidth and reduce distortion.

The whole assembly is fitted to a die-cast aluminium basket with large ventilation windows below the spider to improve transient response.

A central phase plug is specially shaped to linearise the output across a wide bandwidth, even off-axis, enhancing a natural response to the music which can be heard anywhere the listener wishes to sit.

This midrange driver enables the ELYSIAN speakers to deliver voices and instruments with astonishing realism. Vocalists seem to be present in the room with the listener - simply close your eyes and listen to the palpable presence of singers in the acoustic space.

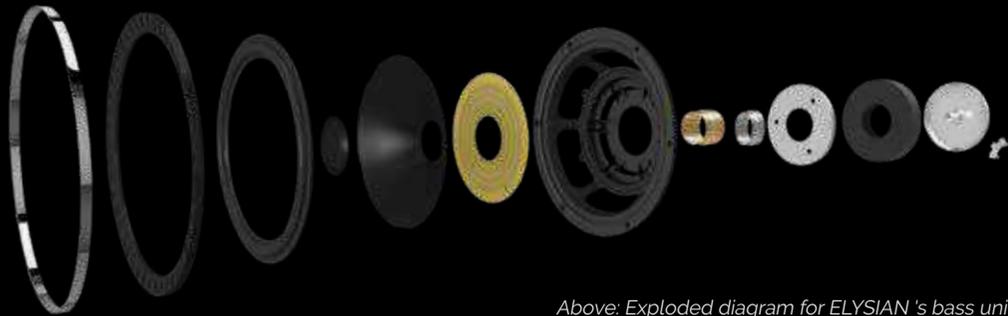


Above: Exploded diagram for ELYSIAN 's midrange unit.

ELYSIAN Bass

The midrange unit is matched with a glass fibre matrix cone for the bass unit, in this case terminated with a highly flexible rubber surround and driven by a specially developed low-distortion motor system. Mounted on a die-cast aluminium chassis, the magnet system features an aluminium ring for eddy current control, immersing the 17.5mm long, 38mm diameter voice coil in high flux over 12mm of linear excursion.

In order to plumb the depths of the lowest frequencies in recorded music, the 220mm bass units - one in the ELYSIAN 2, two in the ELYSIAN 4 - are capable of reaching down below 28Hz in-room, revealing the full body and impact of percussion, stringed and wind instruments.



Above: Exploded diagram for ELYSIAN 's bass unit.

ELYSIAN Cabinet

For ELYSIAN we wanted to create a cabinet that enhanced the acoustic output of the drivers as well as providing a piece of furniture of which the owner can be justly proud. Hand crafted, exotic veneers are mirrored by true piano finish lacquers, hand polished to six levels of depth to give a truly beautiful finish.

Underneath the veneer, working unseen, is a sandwich of different woods designed to reduce panel resonance to below audibility. This multi-layer construction, PROS (Panel Resonance Optimization System), has a further benefit - it inhibits the leakage of unwanted sound energy from inside the cabinet which would otherwise interfere with the forward output of the drive units.



ELYSIAN Crossover

The bass units are loaded by an advanced version of Wharfedale's signature slot-loaded port. Christened SLPP (Slot-Loaded Profiled Port), it ensures that the rear output of the bass units is not wasted. Instead, the lowest frequency energy is vented to a slot at the base of the speaker, specially profiled to equalise the high internal pressure to the low pressure in the room.

This reduces the distortion that is typical of bass reflex system and increases the port's efficiency. In addition, because the air is dispersed uniformly in the room, the speakers are less fussy about siting.

In combination, the bass units and SLPP bass reflex system provide the massive foundation upon which the rest of the musical performance sits, letting you feel as well as hear the full impact of thunderous low-frequency information. High overall system sensitivity, in the region of 92dB for 1 Watt of input, allows any amplifier to reveal the full dynamic range of the music fed to it, without strain or limitation.

Combining the outputs of the drivers is an advanced computer modeled crossover that has been developed over hundreds of hours of listening tests, fine tuned to make sure that the blend between the drive units is seamless. Crossover slopes have been modeled on each individual driver's acoustic response, matched to Linkwitz-Riley characteristics, with the crossover frequencies chosen to maximise the optimum, linear performance of each drive unit.

Of particular note is the phase consistency across the drive unit output, allowing a wide range of seating position and encouraging the power response to be highly linear throughout your listening room.

Crossover components have been chosen for their transparency, with silicon-iron cored coils for bass and midrange featuring low DCR that allows the amplifier excellent control of the drivers, plus air core coils in the treble and low ESR, Polypropylene capacitors throughout the signal path, ensuring that you hear all the musical detail with nothing held back.

You'll hear the full body of instruments like cello and bass guitar, without straining to enjoy the complete dynamics of the musical recital. Whether you are listening to solo piano, full orchestra or a jazz trio or multi-instrument rock performance, ELYSIAN is more than capable of bringing the thrill and excitement of the performance into your listening room.





Revealing the Passion and Excitement of the Musical Performance





White High Gloss



Walnut High Gloss



Black High Gloss

SPECIFICATIONS

ELYSIAN 4 Loudspeakers



System
3-way floorstanding speaker



Driver
Treble 27 x 90mm Air Motion Transformer
Midrange 6.0" (150mm) coated fibre glass matrix cone
Bass 8.5" (220mm) coated fibre glass matrix cone x 2



Nominal Impedance
4Ω (compatible 8Ω)



Crossover Frequency
340Hz, 3.1kHz



Frequency Response
30Hz - 22kHz (+/-3dB)



Sensitivity
92dB (2.83V @1m)



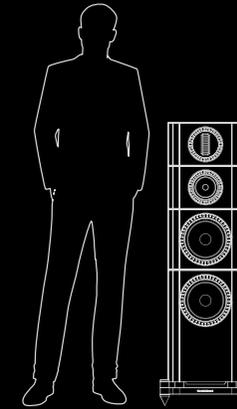
Recommended Amplifier Power
15 - 250W



Weight
49.5kg/pcs



Dimensions (H x W x D)mm
1188 on plinth x 402 on plinth x (432+30) with terminals



ELYSIAN 3 Loudspeakers



System
3-way floorstanding speaker



Driver
Treble 27 x 90mm Air Motion Transformer
Midrange 6.0" (150mm) coated fibre glass matrix cone
Bass 7" (180mm) coated fibre glass matrix cone x 2



Nominal Impedance
4Ω (compatible 8Ω)



Crossover Frequency
375Hz, 2.9kHz



Frequency Response
44Hz - 22kHz (+/-3dB)



Sensitivity
89dB (2.83V @1m)



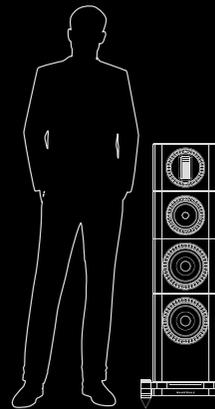
Recommended Amplifier Power
30 - 200W



Weight
28.45kg/pcs



Dimensions (H x W x D)mm
1050 on plinth x 263 on plinth x (285+30) with terminals



ELYSIAN 2 Loudspeakers



System
3-way standmount speaker



Driver
Treble 27 x 90mm Air Motion Transformer
Midrange 6.0" (150mm) coated fibre glass matrix cone
Bass 8.5" (220mm) coated fibre glass matrix cone



Nominal Impedance
4Ω (compatible 8Ω)



Crossover Frequency
360Hz, 2.9kHz



Frequency Response
35Hz - 22kHz (+/-3dB)



Sensitivity
89dB (2.83V @1m)



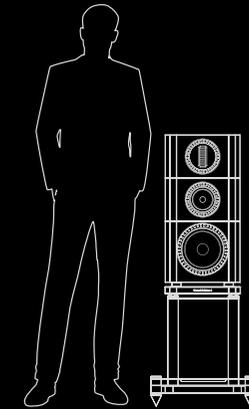
Recommended Amplifier Power
25 - 250W



Weight
30.5kg/pcs



Dimensions (H x W x D)mm
700 on plinth x 334 x (432+30) with terminals



ELYSIAN 2 Stand



Dimensions (H x W x D)mm
428 on plinth x 402 x 435 with terminals



Materials
Columns High carbon steel tube
Top Plate High carbon steel
Base Plate MDF piano finish
Base Spikes Hardened high carbon steel

SPECIFICATIONS

ELYSIAN 1 Loudspeakers



System
2-way standmount speaker



Driver
Treble 27 x 90mm Air Motion Transformer
Bass 7" (180mm) coated fibre glass matrix cone



Nominal Impedance
4Ω (compatible 8Ω)



Crossover Frequency
2.6kHz



Frequency Response
49Hz - 22kHz (+/-3dB)



Sensitivity
89dB (2.83V @1m)



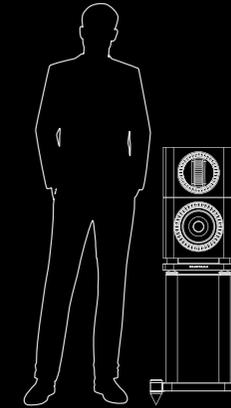
Recommended Amplifier Power
25 - 175W



Weight
15kg/pcs



Dimensions (H x W x D)mm
490 on plinth x 263 x (285+30) with terminals



ELYSIAN 1 Stand



Dimensions (H x W x D)mm
476 on plinth x 340 x 287 with terminals



Materials
Columns High carbon steel tube
Top Plate High carbon steel
Base Plate MDF piano finish
Base Spikes Hardened high carbon steel

ELYSIAN Centre



System
3-way centre speaker



Driver
Treble 27 x 45mm Air Motion Transformer
Bass 8.5" (220mm) coated fibre glass matrix cone x 2



Nominal Impedance
6Ω (compatible 8Ω)



Crossover Frequency
360Hz, 2.9kHz



Frequency Response
35Hz - 22kHz (+/-3dB)



Sensitivity
91dB (2.83V @1m)



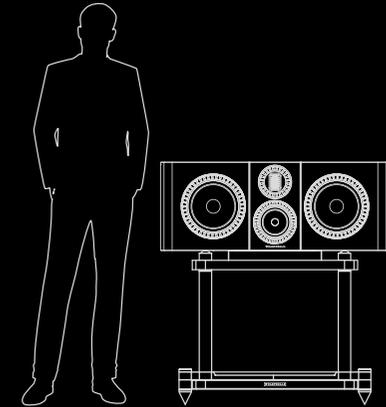
Recommended Amplifier Power
25 - 250W



Weight
30.2kg/pcs



Dimensions (H x W x D)mm
320 on plinth x 830 x (340+30) with terminals



ELYSIAN Centre Stand



Dimensions (H x W x D)mm
496 on plinth x 618 x 372 with terminals



Materials

Columns	High carbon steel tube
Top Plate	High carbon steel
Base Plate	MDF piano finish
Base Spikes	Hardened high carbon steel



WHARFEDALE

AURA

AURA continues the Wharfedale tradition of offering exceptional performance and value for money with a range of speakers that offer the home listener and dedicated audiophile a combination of monitor-class audio transparency together with class-leading levels of musical enjoyment.

Borrowing heavily from the advanced technology of the elite Elysian research project, AURA features the Wharfedale AMT high-frequency transducer, glass fibre matrix midrange and bass cones, the SLPP port system and multi-layer cabinets.

AURA AMT

Equipped with the now world-famous Wharfedale AMT transducer, each AURA model emits breathtaking high-frequency definition.

Unlike conventional dome or other ribbon and planar diaphragms, the Wharfedale AMT high-frequency transducer does not move forwards and backwards like a piston. It is, therefore, not constrained by the mass of its diaphragm, with the attendant blurring of transient response. Instead, the diaphragm is folded and carries conductive elements immersed in an immensely strong magnetic field. Not only is this an efficient way of moving air, but it is also highly accurate as the diaphragm is under close control of the motor system at all times. The result is a wide bandwidth transducer that achieves extremely low distortion and extraordinary musical detail, with scintillating speed and dynamic ability.



AURA Cones

As Wharfedale engineers found when designing the flagship ELYSIAN series, the transient accuracy and efficiency of the AMT need to be matched by the midrange and bass drivers for a seamless audio performance. Accordingly, AURA also uses a proprietary woven glass fibre matrix diaphragm for the midrange and bass cones terminated by high-flexibility rubber surrounds. The voice coils driving the cones are immersed in high flux magnetic fields, with eddy currents and inductance controlled by copper-clad pole pieces.

These low-distortion motor systems are mounted on die-cast aluminium chassis, each fixed to the cabinet by six high-tensile bolts to maintain the rigidity of the structure and provide an accurate transient response. The rubber trim rings surrounding each chassis are not just a decorative feature but also control any resonance occurring at the junction of the aluminium chassis and wood cabinet.

Multi-layer lacquered cabinet

AURA cabinets are, in many ways, a work of art. Available in Black, White and a feature grained Walnut real wood veneer, each cabinet is lacquered and polished to present a beautiful piece of furniture you will be proud to have in your home. The smooth curves to the cabinet are more than just eye catching. They help to disperse the acoustic output of the drive units smoothly into the room without undesirable reflections from otherwise sharp edges.

Underneath the polished lacquers lie cabinet walls built from multiple layers of differing woods designed to reduce panel resonance below audibility. This multi-layer construction, PROS (Panel Resonance Optimization System) has a further benefit - it inhibits the leakage of unwanted sound energy from inside the cabinet which would otherwise interfere with the forward output of the drive units.

Already, much of this internal sound energy is absorbed by multiple layers of matted long hair fibre - its damping factor specifically calculated to avoid rear reflection back out through the drive unit cones whilst still allowing unrestricted airflow to the SLPP reflex port system.



SLPP Reflex Design

Wharfedale's SLPP (Slot Loaded Profiled Port) bass reflex design was developed from an original idea of Gilbert Briggs, the entrepreneur who set up and ran Wharfedale from 1932 to 1964. In AURA loudspeakers, the high-pressure, high-velocity airflow from a downward-facing port is better matched to the low air pressure in the room by distributing the airflow through a series of slot ports in the plinth. This both reduces unwanted turbulence from the port and also improves the efficiency of the bass reflex system.

In conjunction with the low resonance of the bass units, the SLPP system provides bass extension to well down into and below the 30Hz region for AURA 2, 3 and 4, revealing the fundamentals of most musical instruments with excellent articulation, clarity and power. You can feel as well as hear the true acoustic power of the musical performance.

AURA Crossover

The crossover is at the heart of every loudspeaker, weaving the overall performance into a 'sum-of-all-parts'. Wharfedale were one of the first domestic speaker manufacturers to utilise a crossover to divide the frequency band between drive units that were each optimised for bass, midrange and treble.

With 90 years of learning, not to mention the benefit of having one of the world's most respected crossover architects leading the development, in the form of Peter Comeau, IAG's Director of Acoustic Design, the sophisticated crossover networks are fine-tuned over hundreds of hours of listening tests to ensure a seamless blend between the drive units.

As with all Wharfedale series, only the highest grade, acoustically transparent components are used throughout the crossover network, ensuring all the musical detail is heard.





SPECIFICATIONS

Model	AURA 1	AURA 2	AURA 3	AURA 4	AURA C	AURA CS
General description	2-way bookshelf speaker	3-way bookshelf speaker	3-way floorstanding speaker	3-way floorstanding speaker	2-way centre speaker	2-way centre speaker
Enclosure type	bass reflex	bass reflex	bass reflex	bass reflex	bass reflex	bass reflex
Transducer complement	2-way	3-way	3-way	3-way	2-way	2-way
ABR						
Bass driver	5"(130mm) Black Glass Fibre Matrix Cone	6.5"(150mm) Black Glass Fibre Matrix Cone	5"(130mm) Black Glass Fibre Matrix Cone x2	6.5"(150mm) Black Glass Fibre Matrix Cone x2	6.5"(150mm) Black Glass Fibre Matrix Cone x2	5"(130mm) Black Glass Fibre Matrix Cone x2
Midrange driver		4"(100mm) Black Glass Fibre Matrix Cone	4"(100mm) Black Glass Fibre Matrix Cone	4"(100mm) Black Glass Fibre Matrix Cone		
High Frequency Driver	27"90mm AMT	27"90mm AMT	27"90mm AMT	27"90mm AMT	27"90mm AMT	27"90mm AMT
AV shield	No	No	No	No	No	No
Sensitivity (2.83V @ 1m)	86dB	88dB	88dB	89dB	89dB	88dB
Recommended amplifier power	25-100W	25-150W	25-150W	30-200W	25-200W	25-150W
Peak SPL	103dB	103dB	104dB	107dB	107dB	105dB
Nominal impedance	6Ω (8Ω compatible)	6Ω (8Ω compatible)	6Ω (8Ω compatible)	4Ω (8Ω compatible)	4Ω (8Ω compatible)	6Ω (8Ω compatible)
Minimum impedance	4.1Ω	3.5Ω	3.1Ω	3.1Ω	3.6Ω	3.8Ω
Frequency response (+/-3dB)	48Hz ~ 22kHz	42Hz ~ 22kHz	39Hz ~ 22kHz	37Hz ~ 22kHz	48Hz ~ 22kHz	56Hz ~ 22kHz
Bass extension (-6dB)	44Hz	33Hz	28Hz	26Hz	40Hz	45Hz
Crossover frequency	2.9kHz	520Hz,4.5kHz	460Hz ,3.3kHz	475Hz ,3.3kHz	1.9kHz	2.4kHz
Cabinet Volume (in litres)	16.5L	4.8L,29L	4L/42.8L	4.8L/67.2L	39.5L	25.5L
Dimensions (mm)						
Height (on plinth)	386mm	560mm	1037mm	1107mm	303mm	252mm
Width	246mm	286mm	246mm	286mm	668mm	615mm
Depth (with terminals)	(300*52)mm	(350*52)mm	(300*52)mm	(350*52)mm	(350*52)mm	(300*52)mm
Carton size	640 x 425 x 510mm	505 x 425 x 730mm	455 x 395 x 1155mm	505 x 425 x 1255mm	820 x 505 x 430mm	725 x 420 x 345mm
Net weight	12.5kg/pcs	20.5kg/pcs	23.0kg/pcs	24.5kg/pcs	25.5kg/pcs	18.6kg/pcs
Gross weight	26.5kg/ctn	22.5kg/ctn	25.0kg/ctn	26.5kg/ctn	27.5kg/ctn	20.0kg/ctn
Finish	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss	Walnut/White/Black hi-gloss

Model	AURA 1 Stand	AURA 2 Stand
General description	speaker stand	speaker stand
Measurements:		
Height:	615mm	485mm
Top Plate (W x D):	246 x 300mm	286 x 350mm
Base (W x D):	342 x 300mm	372 x 350mm
Materials:		
Columns	MDF spray paint	MDF spray paint
Top Plate	High Carbon Steel	High Carbon Steel
Base Plate	High Carbon Steel+MDF paint	High Carbon Steel+MDF paint
Base Spikes	Hardened High Carbon Steel	Hardened High Carbon Steel
Package Quantity:	Pair	Pair
Optional for:	AURA 1	AURA 2
Dimensions (mm)		
Height (on plinth)	615mm	485mm
Width	342mm	372mm
Depth (with badge)	300mm	350mm
Carton size	690 x 460 x 245mm	860 x 570 x 235mm
Net weight	11kg/pcs	12kg/pcs
Gross weight	23.6kg/ctn	25.2kg/ctn
Finish	Black Paint	Black Paint



Walnut hi-gloss



Black hi-gloss



White hi-gloss

The Evolution of Affordable Hi-Fi, The Dawn of a New Standard.

EV04

 WHARFEDALE

EVO4 Series

The Dawn of a New Standard

Wharfedale's new EVO4 has grown out of the extensive research and development that produced the ELYSIAN flagship loudspeakers and borrows much of the technology involved in ELYSIAN.

Primary focus is on the AMT development resulting in a radically different way of reproducing high frequency detail efficiently and accurately. Similar cabinet technology to ELYSIAN provides a stable and solid foundation for the drive units with radiused edges to help integrate the driver output with the room acoustics. In addition the unique SLPP bass reflex system, as developed for ELYSIAN, is now incorporated in EVO4.

EVO4 AMT

Developed from the advanced AMT in ELYSIAN, EVO4's Air Motion Transformer treble unit utilizes a radically different way of moving air compared to the conventional dome tweeter. A large, pleated lightweight diaphragm is driven across its surface by rows of strategically placed magnets. Not only is this an efficient way of moving air but it is also very accurate as the diaphragm is under close control of the motor system at all times. The result is a wide bandwidth transducer that achieves low distortion naturally and delivers wonderful musical detail.

What Hi-Fi? Awards 2022 - *Product of the Year (Speaker Packages), Evo 4.4 5.1 pack*

What Hi-Fi? Awards 2022 - *Best Speaker Package Over £2500, EVO4.4 5.1 pack*

What Hi-Fi? Awards 2022 - *Best floorstanding speaker £1000-£1500, EVO4.4*

What Hi-Fi? Awards 2021 - *Best floorstanding speaker £1000-£1500, EVO4.4*

What Hi-Fi? Awards 2020 - *Best floorstanding speaker £1000-£1500, EVO4.4*

What Hi-Fi? Awards 2019 - *Best floorstanding speaker £1000-£1500, EVO4.4*

What Hi-Fi? - 5 Stars Review, EVO4.4







EVO4 Dome Midrange

To match to the EVO4 AMT, Wharfedale has developed a fast and responsive dome midrange with wide bandwidth thanks to the incorporation of a damped rear chamber. This soft fabric dome, damped with a plasticizer coating, is vented aperiodically into a specially shaped rear chamber that is profiled to scatter and absorb rear energy from the dome. As a result this dome midrange features a linear response from 800Hz to 5kHz, an astonishing bandwidth from such a unit. Thanks to its high flux magnet, the EVO4 midrange dome also has a high efficiency, ideally matched to that of the AMT, enabling it to respond easily and quickly to the dynamics of the music fed to it. The wide dispersion of this dome and AMT combination ensures that you'll hear all the musical detail no matter where you sit.

EVO4 Bass

Utilizing the advanced, low distortion motor system developed for the ELYSIAN bass units, EVO4 marries this to a woven Kevlar cone fitted with a low loss rubber surround, giving a wide bandwidth driver which is equally adept at producing powerful bass in addition to a natural lower midrange quality.

Like ELYSIAN, the bass units are loaded by the most advanced version of the unique Wharfedale Slot Port yet. Christened SLPP (Slot Loaded Profiled Port) the rear output of the bass units is not wasted. Instead the lowest frequency energy is vented to a slot at the base of the speaker, specially profiled to equalize the high internal pressure to the low pressure in the room.

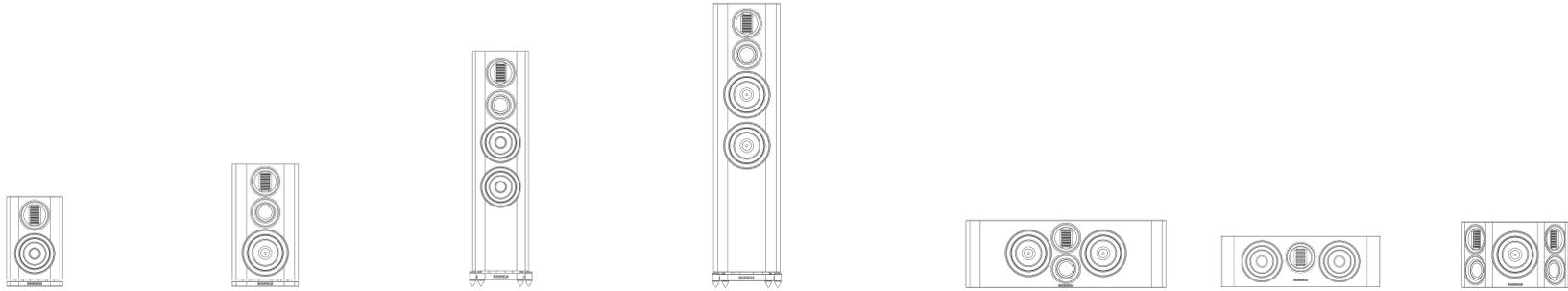
EVO4 Crossover

Combining the outputs of the drivers is an advanced computer modeled crossover that has been developed over hundreds of hours of listening tests, fine tuned to make sure that the blend between the drive units is seamless.

Crossover components have been specially chosen for their audio transparency and feature high-grade polypropylene capacitors and laminated silicon-iron and air core inductors, laid out to avoid electro-magnetic interference on a specially designed circuit board.



SPECIFICATIONS



Model	EVO 4.1	EVO 4.2	EVO 4.3	EVO 4.4	EVO 4.C	EVO 4.CS	EVO 4.S
General Description	2-way bookshelf speaker	3-way bookshelf speaker	3-way floorstanding speaker	3-way floorstanding speaker	3-way centre speaker	2-way centre speaker	3-way surround speaker
Enclosure Type	bass reflex	bass reflex	bass reflex	bass reflex	bass reflex	bass reflex	closed box
Transducer Complement	2-way	3-way	3-way	3-way	3-way	2-way	3-way
Bass Driver	5" (130mm) black woven Kevlar® cone	6.5" (165mm) black woven Kevlar® cone	5" (130mm) black woven Kevlar® cone x2	6.5" (165mm) black woven Kevlar® cone x2	6.5" (165mm) black woven Kevlar® cone x2	5" (130mm) black woven Kevlar® cone x2	6.5" (165mm) black woven Kevlar® cone
Midrange Driver	--	2" (50mm) soft dome	2" (50mm) soft dome	2" (50mm) soft dome	2" (50mm) soft dome		2" (50mm) soft dome x 2
Treble Driver	30" 60mm AMT	30" 60mm AMT	30" 60mm AMT	30" 60mm AMT	30" 60mm AMT	30" 60mm AMT	30" 60mm AMT x 2
AV Shield	No	No	No	No	No	No	No
Sensitivity (2.83V @ 1M)	87dB	87dB	88dB	89dB	90dB	89dB	88dB
Recommended Amplifier Power	25-100W	25-120W	25-150W	30-200W	25-150W	25-100W	25-120W
Peak SPL	104dB	105dB	105dB	107dB	108dB	103dB	106dB
Nominal Impedance	8Ω compatible	8Ω compatible	8Ω compatible	8Ω compatible	8Ω compatible	8Ω compatible	8Ω compatible
Minimum Impedance	3.5Ω	4.0Ω	4.4Ω	4.3Ω	4.3Ω	4.4Ω	3.9Ω
Frequency Response (+/-3dB)	64Hz - 22kHz	54Hz - 22kHz	48Hz - 22kHz	44Hz - 22kHz	48Hz - 22kHz	50Hz - 22kHz	70Hz - 22kHz
Bass Extension (-6dB)	55Hz	48Hz	42Hz	38Hz	42Hz	45Hz	65Hz
Crossover Frequency	2.9kHz	1.4kHz, 3.9kHz	1.3kHz, 4.3kHz	1.4kHz, 4.7kHz	1.5kHz, 3.9kHz	2.7kHz	1.5kHz, 4.4kHz
Dimensions (HxWxD)	335 x 210 x (285+10)mm	455 x 250 x (340+10)mm	875 x 210 x (285+10)mm	1060 x 250 x (340+10)mm	245 x 750 x (340+10)mm	185 x 585 x (265+10)mm	245 x 400 x (145+10)mm
Net Weight	7.8kg/pcs	13.4kg/pcs	22.8kg/pcs	25.6kg/pcs	15.8kg/pcs	11.6kg/pcs	11.8kg/pcs



WALNUT finish



BLACK finish



WHITE finish



W WHARFEDALE

DIAMOND 12

"One of the most successful speaker ranges of all time"

What Hi-Fi?, (2015),

'That was then... Wharfedale Diamond review'. 5th March

Only a **Diamond**
cuts to the heart of the music

cuts to the heart of the music

Only a Diamond

DIAMOND 12 Series

Innovative, High-performance, Whole Home Audio Solution For Music Lovers Of All Levels

In the early 1980s, Wharfedale created the blueprint for modern 'budget' hi-fi speakers when it made the first-ever DIAMOND. Through successive generations, the Wharfedale DIAMOND has remained the most famous name in budget hi-fi speakers worldwide. The launch of a new DIAMOND range is always a major hi-fi event and this campaign will introduce the latest generation of DIAMOND loudspeakers to the world.

The Wharfedale DIAMOND line is "one of the most successful speaker ranges of all time" (What Hi-Fi? 2015). It's also one of the most enduring – there have been Wharfedale DIAMOND speakers on the market for the past 38 years, updated from one generation to the next.

The all-new DIAMOND 12 Series is the best DIAMOND range yet, developed in collaboration with Karl-Heinz Fink – one of the most successful loudspeaker designers on the planet. Classic DIAMOND price points, industrial design that's cool and contemporary yet still distinctly Wharfedale, and sound that delivers a new 'budget' benchmark through exceptional acoustic design and engineering – the DIAMOND 12 Series is one of the most exciting audio product launches of 2020.

What Hi-Fi? Awards 2022 - *Product of the Year (Floorstanding Speakers), Diamond 12.3*

What Hi-Fi? Awards 2022 - *Best floorstanding speaker under £500, Diamond 12.3*

What Hi-Fi? Awards 2022 - *Best speaker package £500-£1000, Diamond 12.1 HCP*

What Hi-Fi? Awards 2022 - *Best speaker package £1000-£1500, Diamond 12.3 HCP*

What Hi-Fi? Awards 2021 - *Product of the Year (Floorstanding Speakers), Diamond 12.3*

What Hi-Fi? Awards 2021 - *Best floorstanding speaker under £500, Diamond 12.3*

What Hi-Fi? Awards 2021 - *Best speaker package £500-£1000, Diamond 12 Home Cinema Package*

What Hi-Fi? - 5 Stars Review, Diamond 12.3

What Hi-Fi? - 5 Stars Review, Diamond 12.1







Klarity Affords Focus

New Klarity™ cone material, formulate from a blend of Polypropylene and mica adds stiffness to reduce flexing, enabling a lightweight cone with high rigidity, low colouration and lightning-fast response.

Low Colour & Expression

The Klarity™ cone is fitted with a low-damping surround, thereby achieving both low colouration and expressive dynamics. By simulating many different cone shapes and adding ribs to provide further stiffening, a flat response curve was achieved without resorting to a high-damping surround, thereby striking the ideal balance.

A Magnet Of Forces



A precision-made magnet system with an aluminium compensation ring to minimise the effect of variations in inductance as the voice coil travels. This contributes to an absence of distortion and intermodulation generated by the 'motor system'.

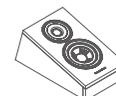
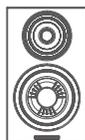
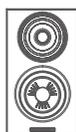
A Voice Coil Beyond This Class

The voice coil is wound on a high-power epoxy/glass fibre bobbin – highly unusual in speakers at this price level. This has the advantage of not adding eddy currents and delivering greater power handling than an aluminium bobbin, whilst also being much stiffer than the Kapton type associated with this price-class.





SPECIFICATIONS



Model	DIAMOND 12.0	DIAMOND 12.1	DIAMOND 12.2	DIAMOND 12.C	DIAMOND 12 3D SURROUND	DIAMOND 12.3	DIAMOND 12.4
General description	2-way bookshelf speaker	2-way bookshelf speaker	2-way bookshelf speaker	2-way centre speaker	2-way atmos speaker	2.5-way floorstanding speaker	2.5-way floorstanding speaker
Enclosure type	bass reflex	bass reflex	bass reflex	closed-box system	closed-box system	bass reflex	bass reflex
Transducer complement	2-way	2-way	2-way	2-way	2-way	5"(130mm) advanced PP Cone	6.5"(150mm) advanced PP Cone
Bass driver	4"(100mm) advanced PP Cone	5"(130mm) advanced PP Cone	6.5"(150mm) advanced PP Cone	5"(130mm) advanced PP Cone x2	4"(100mm) advanced PP Cone	5"(130mm) advanced PP Cone	6.5"(150mm) advanced PP Cone
Treble driver	1"(25mm) Textile Dome	1"(25mm) Textile Dome	1"(25mm) Textile Dome	1"(25mm) Textile Dome	1"(25mm) Textile Dome	1"(25mm) Textile Dome	1"(25mm) Textile Dome
AV shield	No	No	No	No	No	No	No
Sensitivity(2.83V @ 1m)	87dB	88dB	88dB	90dB	82dB	89dB	89dB
Recommended amplifier power	20-60W	20-100W	20-120W	20-120W	20-100W	30-150W	30-200W
Peak SPL	95dB	96dB	96dB	96dB	95dB	102dB	102dB
Nominal impedance	8Ω Compatible	8Ω Compatible	8Ω Compatible	8Ω Compatible	8Ω Compatible	8Ω Compatible	8Ω Compatible
Minimum impedance	4.0Ω	4.0Ω	4.0Ω	4.0Ω	4.3Ω	5.0Ω	5.0Ω
Frequency response(+/-3dB)	70Hz - 20kHz	65Hz-20kHz	50Hz - 20kHz	90Hz - 20kHz	110Hz - 20kHz	45Hz - 20kHz	40Hz - 20kHz
Bass extension(-6dB)	65Hz	60Hz	43Hz	80Hz	90Hz	40Hz	35Hz
Crossover frequency	2.7kHz	2.6kHz	2.0kHz	2.2kHz	3kHz	2.2kHz	2.1kHz
Cabinet Volume (in litres)	4.4L	8.2L	11.8L	8.7L	2.7L	26.6L	40.8L
Dimensions (H x W x D)	265 x 160 x (200+28) mm	312 x 180mm x (250+28) mm	335 x 200 x (285+28) mm	180 x 480 x (180+28) mm	145 x 180 x 310 mm	(925+50) x 180 x (320+28) mm	(1100+50) x 200 x (350+28) mm
Net weight	5.1kg/pcs	6.8kg/pcs	8.2kg/pcs	8.5kg/pcs	3.2kg/pcs	19.5kg/pcs	22.4kg/pcs



white



light oak



walnut



black





DOVEDALE



Dovedale 90th Anniversary

Wharfedale is proud to present this 90th Anniversary Edition of one of the brand's most famous and popular loudspeakers – the Dovedale.

The new Dovedale further exemplifies Wharfedale's legacy in fine loudspeaker design and manufacturing; balancing fine craftsmanship, natural sound quality and affordability inside a beautifully proportioned loudspeaker that has been bought in its millions right across the globe through its various incarnations.

Dovedale has a clear family resemblance. It is a three-way standmount model – a rarity in the modern era, retaining similar proportions to the classic Dovedale models of yester-year. Its wood-veneered cabinet has a vintage look, yet the standard of finish is distinctly contemporary – a tribute to the skilled craftsmanship required for the production of such a loudspeaker.

The original Dovedale models - dating back to the W2 in 1959 which was updated to the W2 / Dovedale in 1965 - were well known for their rich and natural sound quality. The new model retains these attributes but upgrades the performance in every department, with free-breathing dynamics and incredible definition across the bass and midrange.

A celebration of the landmark 90th anniversary for the Wharfedale brand, the Wharfedale Dovedale is more than just a reintroduction of a classic.

W H A R F E D A L E

Loudspeaker manufacturer since 1932

90

YEARS



Inspired By The History Book



General view of the voice coil winding and speaker assembly department.



Just another day in Wharfedale's laboratory.



General view of the voice coil winding and speaker assembly department.

Dovedale 3

We believe that a connoisseur of sound would find the finest, most desirable and for him we have designed and built the Dovedale 3. If you are such a listener, you will recognise the significance of - and then insist on possessing - the control, performance and sheer quality reflected in this fine speaker.

Base Unit
The front mounting of the 300mm (12" speaker eliminates "unpleasant" effects. The massive 155,000 Maxwell magnet serves a heavy-duty paper cone with rubber coil surround. The special high stability cast suspension reduces "bottoming" which occurs on lower quality units at high powers and low frequencies. The critically adjusted dynamic mass provides excellent control in the lowest frequencies and minimises distortions at the cross-over level.

Mid-Range Unit
The 130mm (5") has a 48,000 Maxwell magnet and the components have been specially developed for robust power handling at these important frequencies.

Treble Unit
The 25mm (1") tweeter has a cone of cellulose acetate butyrate which is not only light and strong but also ensures a very wide angle of dispersion.

Adjustment in the Home
Three position switch alternatives are provided for the mid range and treble speakers to obtain free adjustments (±3dB) to suit different room conditions.

SPECIFICATION

Enclosure Type	Acoustic Suspension
Internal Volume	45 litres (1.70 cu ft)
Speakers	Box 130 mm (5.125 in) range 130 mm (5.125 in)
	Treble 25 mm (1")
	50 watts DMS
	6 Ohm nominal
Maximum Input	30-50,000 Hz
Impedance	43-20,000 Hz ± 3dB
Frequency Range	500 Hz and 8000 Hz
Crossover Frequencies	14,610 mm × 40,256 mm
Dimensions	A 13.165 mm H 28.25
	W 14.7 × 13.475

The original Dovedale 3 brochure and technical specification sheet.

THE DOVEDALE

The Dovedale is a two speaker system - an improved version of the famous Wharfedale W2. The system consists of a 12" base unit and the well-known 5" for the treble and mid range. The added advantage of having cast enclosures has been recognized and will be in line with all periods of history. A thoroughly sound speaker of modern construction.

Frequency range: 100-15,000 Hz
Power: 100-15,000 Hz
Weight: 17 lb

CH 10 9

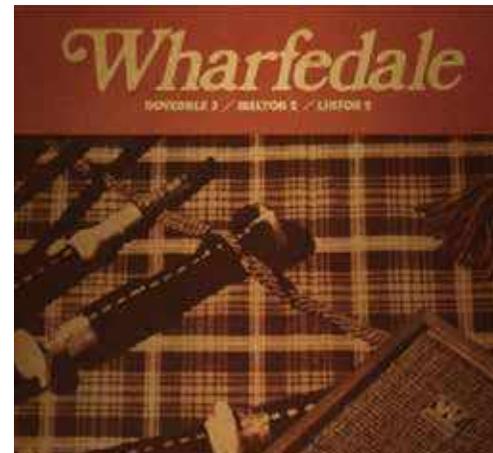
Model	Price	Weight	Dimensions
1000	10.00	17.0	14.7 x 13.5
1001	10.00	17.0	14.7 x 13.5
1002	10.00	17.0	14.7 x 13.5
1003	10.00	17.0	14.7 x 13.5
1004	10.00	17.0	14.7 x 13.5
1005	10.00	17.0	14.7 x 13.5
1006	10.00	17.0	14.7 x 13.5
1007	10.00	17.0	14.7 x 13.5
1008	10.00	17.0	14.7 x 13.5
1009	10.00	17.0	14.7 x 13.5
1010	10.00	17.0	14.7 x 13.5

The brochure for the original Dovedale - an improved version of the famous Wharfedale W2.

Designer's Notes

I was in my teens when I first built a pair of Dovedales from a kit supplied by Wharfedale that allowed home builders to provide their own cabinets to house the drive units, crossover and internal damping. They remained my favourite loudspeakers for many years and drew envious comments from friends and acquaintances who heard them. So, you could say that the new Dovedale Heritage is a labour of love, looking back to the past and bringing a much-loved speaker to life again, fully re-engineered for the 21st century.

At the time the original 'Dovedale' was launched it was not considered a large loudspeaker. Most hi-fi enthusiasts realised that, in order to generate a deep and efficient bass performance, a substantial cabinet size was needed. And physics hasn't changed. To achieve good bass extension and high sensitivity, it is most sensible to use a large bass unit in a large cabinet volume that is matched to it. What is not realised, however, is that the baffle size - the width and height of the cabinet - also contributes to speaker sensitivity and, more importantly, affects the accuracy of the transition through bass and midrange.



Accordingly, the 26cm (10 inch) bass unit and layout of the extended front baffle of Dovedale Heritage are designed to provide a smooth performance from the deepest bass frequencies right through the midrange to the crossover to the treble unit. Just like the original Dovedale, the Heritage Edition is a 3-way speaker with a woven Kevlar® cone midrange unit housed in its own internal enclosure sharing midrange duties with the bass unit. The use of woven Kevlar® for both units ensures a seamless handover, aided by a crossover design that marries the output of each driver perfectly.



Both the midrange unit and treble unit are offset on the front baffle to scatter reflections from the cabinet edges and provide a superior focus of the stereo image. Dovedale Heritage speakers are provided in handed pairs so that sonic images in the stereo sound field are always accurately placed. The speakers have been acoustically fine-tuned by listening to a wide variety of music through hundreds of hours of musical tests to make sure that the crossover and drive units work together coherently and seamlessly. Dovedale Heritage are designed to be used with the grilles fitted and custom-built stands are provided to raise the speakers to the correct height, reduce bass floor interactions and ensure a stable and torsionally rigid support.

The Wharfedale Dovedale Heritage edition continues the Wharfedale tradition of accurate and lifelike reproduction of instruments and vocalists via loudspeakers designed as elegant home furnishings, while maximising the musical performance for modern digital as well as analogue sources.



In 1979, Peter Comeau co-founded Heybrook Hi-Fi to design and manufacture the multi-award-winning HB1 and classic HB2 loudspeakers. In 2009, after leading IAG speaker development since the acquisition of Mission, Peter assumed overall acoustic design responsibility for all of the brands within the Group, including Wharfedale. With a deep respect for the history of these brands and the necessity to maintain each individual brand's design integrity, Peter continues to design award-winning speakers at IAG's research centres in Huntingdon, England, and Shenzhen, China.


Peter Comeau
Director of Acoustic Design



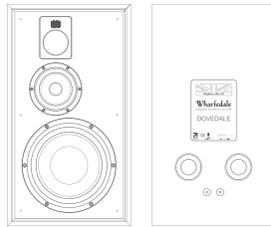
SPECIFICATIONS

Model	DOVEDALE
General Description	3-way vented-box / standmount
Enclosure Type	Bass reflex
Transducer Complement	3-way
Bass Driver	10" (250mm) Black Woven Kevlar® Cone
Midrange Driver	5" (135mm) Black Woven Kevlar® Cone
Treble Driver	1" (25mm) Soft Dome
AV Shield	No
Sensitivity (2.83V @ 1m)	89dB
Recommended Amplifier Power	25-250W
Peak SPL	112dB
Nominal Impedance	6Ω
Minimum Impedance	3.6Ω
Frequency Response (+/-3dB)	36Hz - 20kHz
Bass Extension (-6dB)	25Hz
Crossover Frequency	560Hz & 2.9kHz
Cabinet Volume (in litres)	8.6L, 64.7L

Dimensions (mm)	
Height (on plinth)	660mm
Width	370mm
Depth (with terminals)	(417+30)mm
Carton Size	570 x 520 x 835mm
Net Weight	26.2kg/pc
Finish	Real Wood Veneer - Walnut Finish
Standard accessories	protective feet
Optional accessories	Dovedale Stand

Model	DOVEDALE Stand
Columns	Square section steel
Top Plate	Carbon Steel strip
Base Plate	Square section steel with glass insert
Base Spikes	Hardened High Carbon Steel

Dimensions (mm)	
Height (on spikes)	370mm
Width	370mm
Depth	417mm
Carton Size	820 x 460 x 200mm
Net Weight	9.6kg/pc
Gross Weight	19.4kg/ctn



WALNUT



*Flat packed for user assembly





ASTON



ASTON 90th Anniversary

Founded in 1932, Wharfedale's founder, Gilbert Briggs, turned the company into one of the most famous loudspeaker brands in the world by concentrating on quality and value for money. Thus he created the first true Hi-Fi experience for connoisseurs of music in the home and continued to introduce technology that would enhance the listening experience.

Today Wharfedale engineers follow the same dictum, utilising technology where it truly matters to develop loudspeakers that reveal the passion and excitement behind the musical performance.

We believe that a connoisseur of sound would find the merest flaw intolerable, and with a connoisseur in mind, we have built the 'Aston'. If you are such a listener, you will recognise the significance of – and then insist on possessing – the control performance and sheer quality reflected in this fine speaker.

The new Wharfedale Aston is not only designed and engineered in the UK; it is made here too! Manufactured by highly trained, vastly experienced loudspeaker experts at the headquarters of Wharfedale, in Huntingdon, Cambridgeshire – Aston is built in the home of British Hi-Fi.

Wharfedale

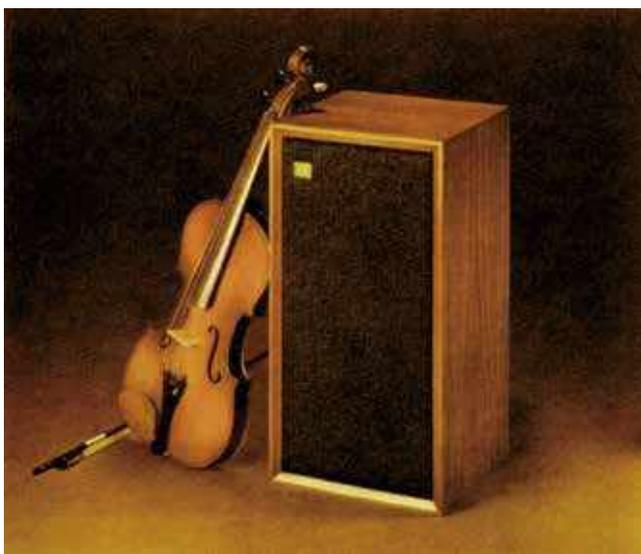
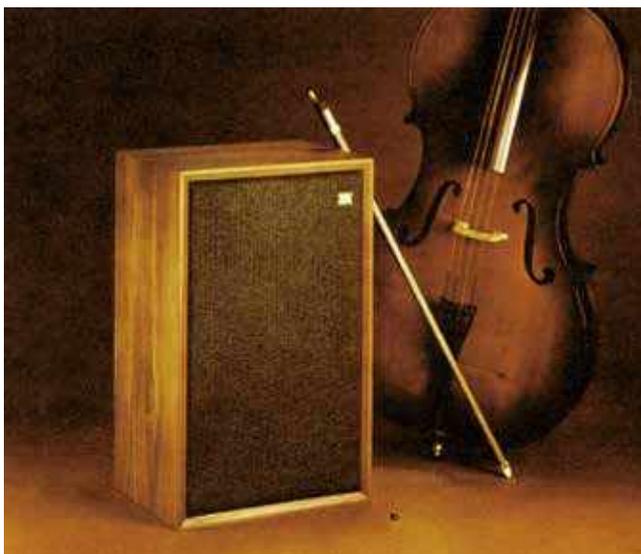
Loudspeaker manufacturer since 1932



ASTON



Inspired By The History Book



Loudspeaker range, as depicted in a brochure printed in December 1969. Left side, top to bottom: Rosedale, Dovedale 3, Super Linton. Right side, top to bottom: Melton, Denton, Dovedale 3.



Designer's Notes

'Big sound out of a small cabinet' - that is a difficult trick to pull off and requires some extensive engineering and balance of design to create a large sound field that makes you wonder how these mini-monitors accomplish such a feat. That is my intention for the Wharfedale Aston and I am certain you will find that it is true.



A lot of the technology inside these little wonders comes from the province of the high-end Wharfedale Dovedale model, with some cherished acoustic influence from models such as the extraordinary Linton Heritage, too. However, the brand new Carbon Fibre coned bass /midrange units feature a rigid cast chassis coupled to a soft dome treble unit with a ceramic magnet as part of its motor structure, both of which represent a stride forward in the transducer specification.



Wharfedale LINTON Heritage
in walnut veneer finishes,
with matching stands.

A profiled phase plug in the centre of the bass unit's cone helps provide a superbly smooth and natural sounding upper midrange. The bass unit is matched ideally to the volume of the wood cabinet, formed from layers of differing woods to control resonance and finished with high quality real-wood veneers. Twin ports at the rear of the cabinet provide clean bass extension down below 50Hz in-room.



In order to preserve the elegant heritage look, the Wharfedale Aston is designed to be used with the grille fitted and gives the smoothest response and ideal tonal balance when used that way.

Enjoy the rich tonality and energetic musical detailing that Aston provides.



In 1979, Peter Comeau co-founded Heybrook HI-Fi to design and manufacture the multi-award-winning HB1 and classic HB2 loudspeakers. In 2009, after leading IAG speaker development since the acquisition of Mission, Peter assumed overall acoustic design responsibility for all of the brands within the Group, including Wharfedale. With a deep respect for the history of these brands and the necessity to maintain each individual brand's design integrity, Peter continues to design award-winning speakers at IAG's research centres in Huntingdon, England, and Shenzhen, China.

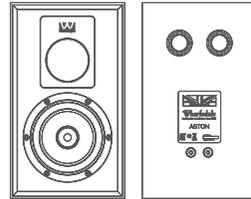

Peter Comeau
Director of Acoustic Design



Above: Wharfedale is celebrating 90 years of bringing the world's finest loudspeakers to the world of home audio.

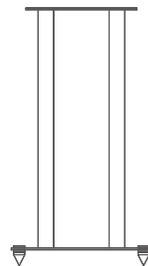
SPECIFICATIONS

Model	ASTON
General Description	2-way vented-box / standmount
Enclosure Type	bass reflex
Transducer Complement	2-way
Bass Driver	6" (150mm) black Carbon Fibre cone
Treble Driver	1" (25mm) soft dome
AV Shield	No
Sensitivity (2.83V @1m)	86dB
Recommended Amplifier Power	25-100W
Peak SPL	95dB
Nominal Impedance	4Ω
Minimum Impedance	3.9Ω
Frequency Response (+/-3dB)	55Hz ~ 20kHz
Bass Extension (-6dB)	44Hz
Crossover Frequency	2.3kHz
Cabinet Volume (in litres)	10.8L



WALNUT

Model	ASTON Stand
Columns	Square steel
Top Plate	Carbon steel
Base Plate	Hardened high carbon steel with glass
Base Spikes	Hardened high carbon steel







LINTON Heritage

Heritage Loudspeakers

The Wharfedale LINTON represents one of the most iconic models in the long history of Wharfedale loudspeakers. A model that embodied the Wharfedale pioneering research through the 60s, 70s and 80s, with a bloodline dating back to 1965, LINTON has always been manufactured according to the Wharfedale principles of quality and value for money. The new Wharfedale LINTON further exemplifies these two edicts, balancing fine craftsmanship, natural sound quality and affordability inside a beautifully proportioned loudspeaker that has been bought in its millions right across the globe through its various incarnations.

The original LINTON was well known for its warm, rich and natural sounding character and the new Wharfedale LINTON retains that character but imbues it with an open, detailed performance that will entice you to explore your whole music collection all over again.

Capitalising on modern-day trends of traditional styling allied to pedigree values, the Wharfedale LINTON is set to be a veritable modern classic.

What Hi-Fi? Readers Award, 2020

What Hi-Fi? - 5 Stars Review







DENTON

DENTON 85 Anniversary

Wharfedale is proud to present this 85th Anniversary Edition of one of the brand's most famous and popular loudspeakers – the Denton. Gilbert Briggs, who founded Wharfedale in 1932, turned the company into one of the most famous loudspeaker brands in the world by concentrating on quality and value for money. The Wharfedale Denton exemplified these two edicts, balancing fine craftsmanship, natural sound quality and affordability inside a compact loudspeaker that was bought in its millions right across the globe. The original Denton went on to father other models based on its highly popular formula, the Denton 3 being the last of the line... until now!

DENTON85 Anniversary is a two-way speaker in the classic bookshelf tradition, beautifully hand veneered in Mahogany by Wharfedale cabinet makers with an inset front baffle and traditional Tungsten cloth grille. Underneath the traditional exterior, however, the DENTON85 Anniversary is bang up to date and utilises a mixture of traditional and advanced technology. The bass unit features Wharfedale's innovative woven Kevlar(R) cone mounted on a rigid die cast chassis, this combination delivering a rich, detailed bass/midrange output with superb dynamic performance. High frequencies are handled by a woven textile soft dome treble unit with high flux ferrite magnet, engineered for smooth, detailed HF extension.

Veritably a modern classic!

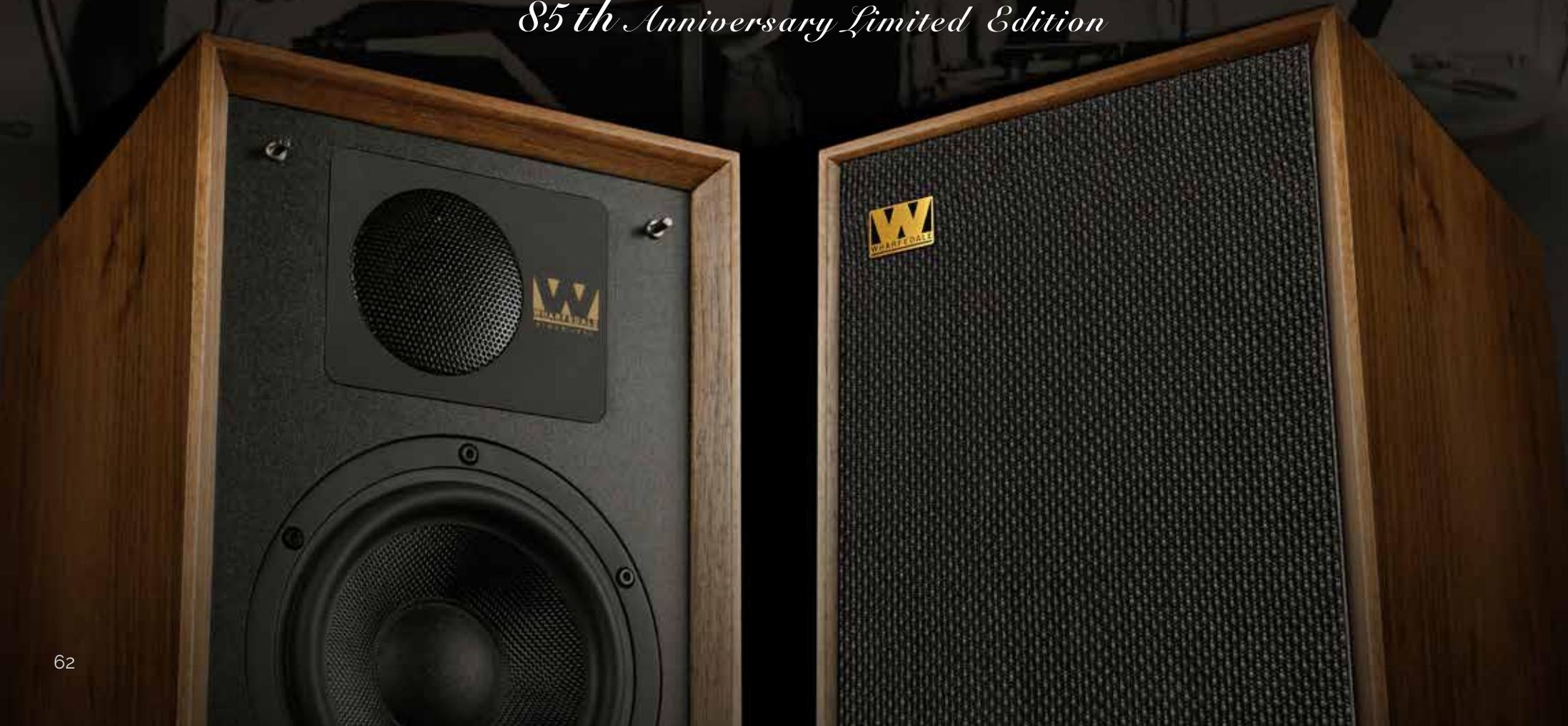


DENTON 



Wharfedale

85th Anniversary Limited Edition









WHARFEDALE

 www.wharfedale.co.uk

 [wharfedalehifi](https://www.facebook.com/wharfedalehifi)

 [wharfedale_hifi](https://www.instagram.com/wharfedale_hifi)