



The Next Big Thing

Loudspeaker specialist Audio Physic, from Brilon in Germany's Sauerland region, has a number of new products in its portfolio. For this test, we invited the Classic 35, which look extremely smart in their glass enclosures and come equipped with some rather fine technology. Read on to find out 35 stood their ground.





The two woofers use a common vented volume. A sealed chamber provides ideal operating conditions for the 150 mm midrange driver

If you want to own these loudspeakers dressed in traditional lacquered or veneer wood cabinets, you can opt for the technically identical Classic 32.

The CLASSIC 35 These loudspeakers from Brilon impress with their perfectly crafted glass cabinets. Hi-fi fans might counter that glass and hi-fi don't really fit together. But the Classic 35 uses glass in combination with a solid MDF carrier material. The two different materials are combined by means of an elastic acrylic adhesive strips, thereof creating a resonance-reducing and highly sound-impermeable sandwich construction - in fact, the ideal condition for best sonic outcome.

The glass panels are painted on the inside in a wide variety of colours. The result is a perfectly smooth surface with a flawless finish. With a height of 115 centimetres, the floorstanders have become quite tall, whereby the cabinets with their small width of 20 centimetres make the entire construction appear "slender" and well-proportioned. The respective cabinet volume required for a rich bass performance these speakers draw from their cabinet depth of 34 centimeters.

We very much like to think back to our last test of an Audio Physic speaker: The Midex scored with an enormously lively, powerful and authentic sound, which captivated all listeners effortlessly. Now designer Manfred Diestertich has created a loudspeaker that is visually and conceptually very similar – the Classic 35. The new model replaces the Classic 30, which has been an important and successful loudspeaker for Audio Physic. It differs technically from it, which can be seen, among other things, in the absence of the internal woofer. With the new Classic 35, three frequency ranges are distributed over four drivers, with two woofers taking over the lows section. The glass-MDF sandwich cabinets are available in a wide variety of colours, and special wishes can also be fulfilled by the manufacturer upon request.

As in the Midex and most their other speakers, Audio Physic also uses ultra-hard ceramic foam in the Classic 35. The high-strength ceramic plates, which are originally used in industrial filter systems, consist largely of air. The ceramic foam can be imagined as a flat, ultra-hard sponge. In the Classic 35, the ceramic foam plate serves as a damping element in front of the bassreflex opening, which helps to minimize flow noise.

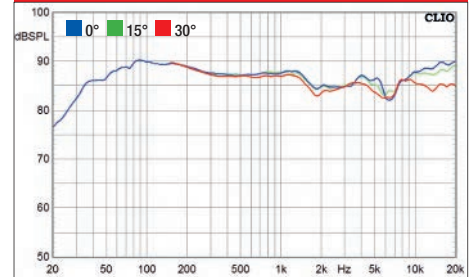
Sandwich boards with honeycomb structure are used as decoupling carriers for the components of the crossovers. The honeycomb is as rigid as MDF a lot lighter and less resonant.

The three-way design uses four drivers for reproducing the audio signals, which are made by the renowned manufacturer Wavecor according to Audio Physic's specifications.



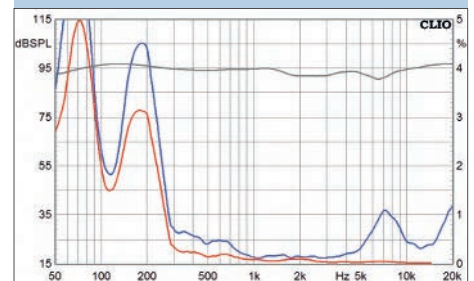
Honeycomb-Sandwich boards are used as decoupling carriers for the crossovers. The midrange's flat phase plug optimizes the thermal behaviour of the driver

Test Information



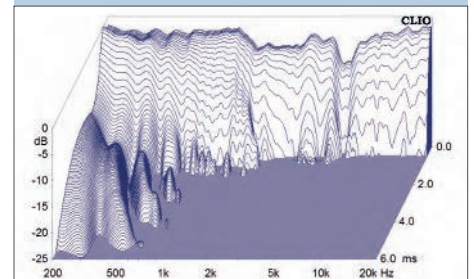
Frequency Response

Slightly unsteady, but overall balanced amplitude response with deep bass and very good dispersion characteristics.



Harmonic Distortion

The Classic 35 remain inconspicuous when measuring the harmonic distortion. Especially the critical K3 value always remains very low.



Waterfall Diagram

The transient behaviour of the Classic 35 is absolutely exemplary. Above 500 Hertz, the loudspeaker comes to rest extremely quickly.



The ceramic foam plate in the Classic 35 is positioned in front of the bassreflex vent as a damping element and helps to minimize flow noise

Two 17 cm woofers, a 15 cm midrange driver and a 22 mm dome-tweeter are mounted to the baffle. The two woofers, mounted at the top and bottom ends of the cabinet, take the midrange driver and tweeter in their middle. Glass fibre is the material of choice for the woofers and mid-range drivers, while a silk dome manufactured in Germany is featured in the tweeter.



Features The midrange drivers of the Classic 35 are equipped with a double basket construction for optimum sonic performance. The inner basket is made of a plastic composite with very good damping properties and reduces resonances already in the core. The outer basket made of solid die-cast aluminum, which is connected to the inner basket via a narrow, ring-shaped area, provides stability. This results in a reduction of the mechanical transmission between driver and cabinet. A fixed phase plug with a flat nose, which thermally optimizes the driver, is to be found in the center of the midrange driver. The two woofers operate in a vented cabinet, whose bassreflex opening is located at the bottom of the front panel.

Laboratory In the lab, the Classic 35 scores with very good results. The sound dispersion is almost identical on axis and at 15 degrees and the 30 degree measurement shows only a drop above eight kilohertz. There is a slight unsteadiness between 1,500 and 8,000 Hertz, but this proves absolutely uncritical in the listening test. From about 35 Hertz the bass reflex speakers feel perfectly comfortable, with a slightly accentuated upper bass.

The harmonic distortion is rather inconspicuous: The good-natured K2 value twice briefly scratches the 1% limit, while the more critical K3 value always runs along the lower measuring limit. The waterfall diagram is intended to show the transient behaviour of a loudspeaker, and in the case of the Audio Physic Classic 35 this can only be described as exemplary.

Sound Check With a listening distance of around three metres and a classic setup in an isosceles triangle, the sonic performance of the Classic 35 is immediately convincing. By the way, you can find informative and helpful information on the installation on the homepage of the manufacturer and in the commendable operating manual.

It never hurts to use a powerful amplifier in a system, but the Classic 35 will already make an impressive impact with a mid-level integrated amp. We're going to hit the ground and subsequently connect the Audio Physics to our high-grade Class A integrated amplifier. After that, all we have to do is to enjoy, and so the test, if it were up to me, could be finished at this point – The Classic 35 sounds so confident that the listener is instantly thrilled.

The bass sounds deep, crisp and powerful, while the Classic 35 is extremely informative in the mids and highs, carving every detail out of the music without overtaxing the listener too much. As with the conceptually similar Midex, everything fits together musically. As a listener you take your seat in front of these speakers, put on your favourite records and simply listen to these outstanding musically performing floorstanders. At this point, you immerse deep into the world of sound and forget all that technology. The nice thing about the Classic 35s is that they easily master everything and play what you serve them without any complaint. They keep up with every tempo, don't back down at high volumes and show off with exuberant opulence when needed. Then again they get along also with the quiet tones, illustrate the finest detail and create a wonderful atmosphere, from which one can hardly escape. Voices and acoustic guitars are a pleasure listening to with the Classics. However, do they also get down to brute electric guitars, fat drums and driving synths as well? Here you go, the Classic 35 came to deliver, effortlessly.

Conclusion With the Classic 35, the loudspeaker specialists from Audio Physic once again brought a true highlight to their range. Any kind of music can be enjoyed with these

Floorstanding Speaker		Audio Physic Classic 35		Evaluation		Highlight <small>6/2019</small>		HiFi Test TV-HIFI
· Price (pair)	4.800 Euro, Custom Colours +200 Euro	Sound	70 %	1,0	In Short:	<ul style="list-style-type: none"> ➕ confident Sound ➕ excellent build quality ➕ various finishes available 		
· Manufacturer	Audio Physic, Brilon (Germany)	· Tonal Balance	20 %	1,0	Sound	70 %	1,0	
· Phone	+49 2961 / 96170	· Imaging	15 %	1,0	Lab	15 %	1,1	
· Internet	www.audiophysic.com	· Resolution	15 %	1,1	Practice	15 %	1+	
Features		· Spatial Imaging	10 %	1,0				
· Finishes	Black, White, Silver Grey, Anthracite, Red, Pearl White + custom colours	· Dynamics	10 %	1,1				
· Dimensions (W x H x D in mm)	202/1145/340	Lab	15 %	1,1				
· Weight (kg)	35	· Frequency Response	5 %	1,1				
· Principle	Vented	· Distortion	5 %	1,1				
· Connection	Single-Wiring	· Level Stability	5 %	1,1				
· Impedance (Ohm)	4	Practice	15 %	0,9				
· Woofer (nominal / diaphragm)	2 x 170 / 125 mm	· Build Quality	5 %	1,0				
· Mid-Woofer (nominal/diaphragm)	1x 150 / 110 mm	· Features	5 %	1,0				
· Tweeter	1 x 22 mm	· Manual	5 %	0,8				
					HiFi Test	Reference Class		
					Value	Score	6/2019	
					outstanding	1,0		



loudspeakers. In addition to their tremendous nonchalance when playing music, they have a musical sense to offer which creates an

enormously lively atmosphere in the listening room. Great speakers – we definitely tip our hats!

Jochen Schmitt



The Classic 35 are available in numerous colour variants as from 4,790 euros per pair. On request, Audio Physic can also supply the Classic 35 in special colours for additional 200 Euros