

8330A

SAM™ Studio Monitor

Technical Specifications

Combining precision, adaptability and a small footprint, the 8330A offers colour-free performance and powerful room compensation features.



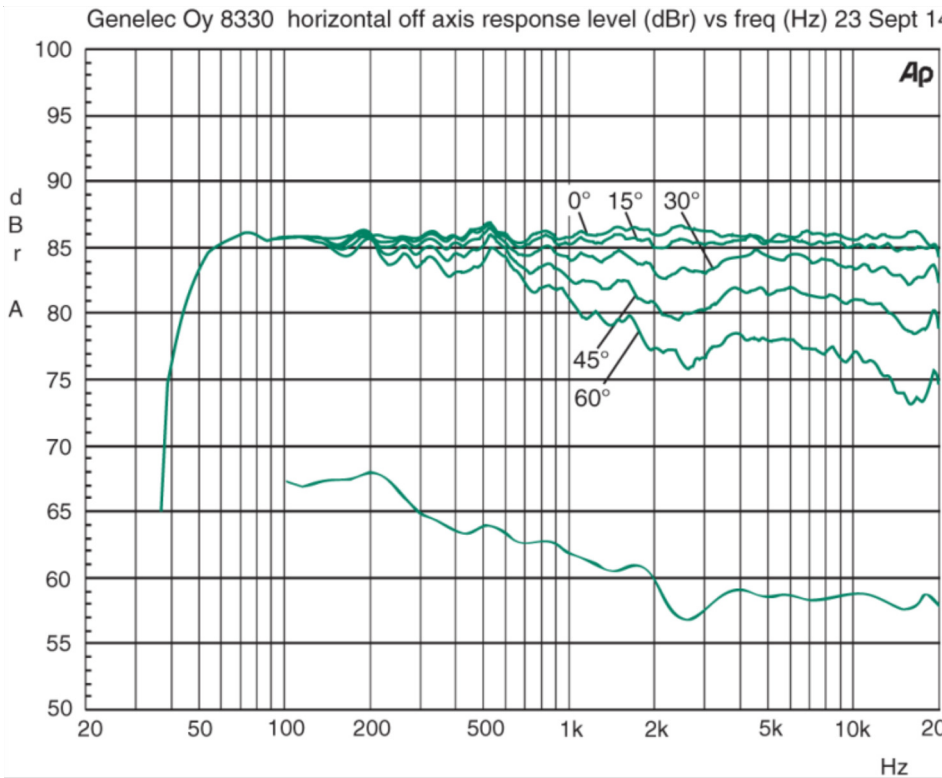
System Specifications

Frequency Response

58 Hz - 20 kHz (± 1.5 dB)

Low cutoff -6dB
45 Hz

High cutoff -6dB
23 kHz



SPL

Peak SPL
 ≥ 110 dB

Maximum peak acoustic output per pair at 1 m distance with music material.

Short term max SPL
 ≥ 104 dB

Maximum short term sine wave acoustic output on axis in half space, averaged from 100 Hz to 3 kHz at 1 m.

Long term max SPL
 ≥ 96 dB

Maximum long term RMS acoustic output in the same conditions with IEC weighted noise (limited by driver unit protection circuit) at 1 m.

Self-generated noise

Self-generated noise
 ≤ 5 dB SPL

Self generated noise level in free field on axis (A-weighted).

Weight

Weight
5.5 kg (12.1 lb)

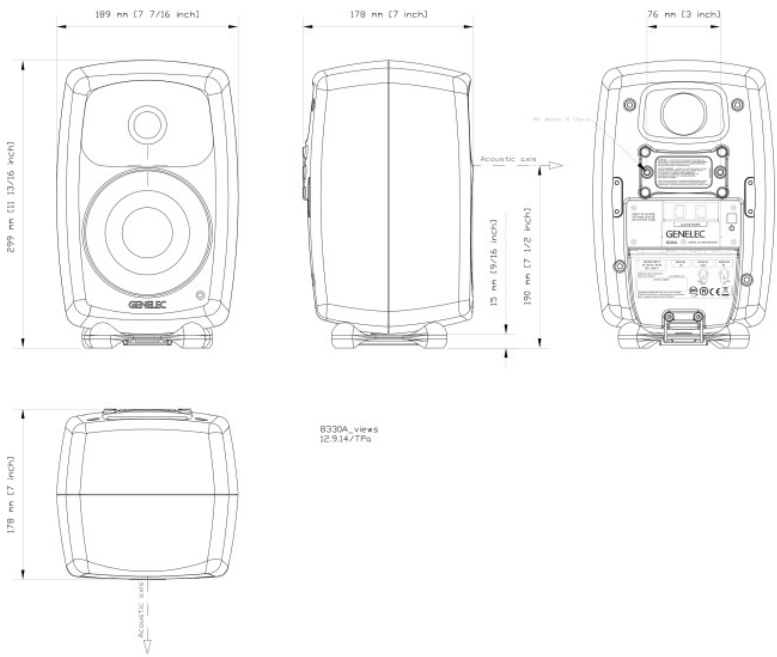
Dimensions

Height
285 mm (11 1/4 in)

Height with Iso-Pod
299 mm (11 3/4 in)

Width
189 mm (7 1/2 in)

Depth
178 mm (7 in)



Enclosure

Enclosure material
Die cast aluminium

Enclosure type
Reflex port

Drivers

Bass

Driver type
Cone

Diameter
130 mm (5 1/8 in)

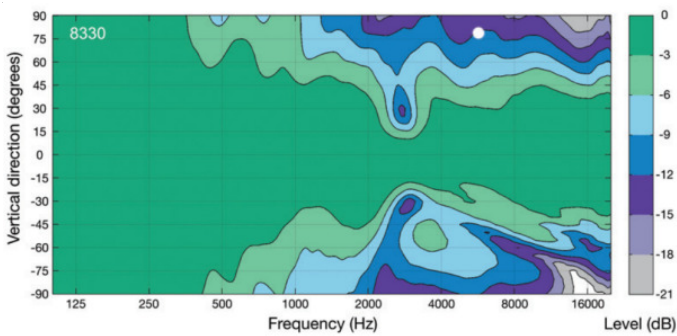
Treble

Driver type
Metal dome

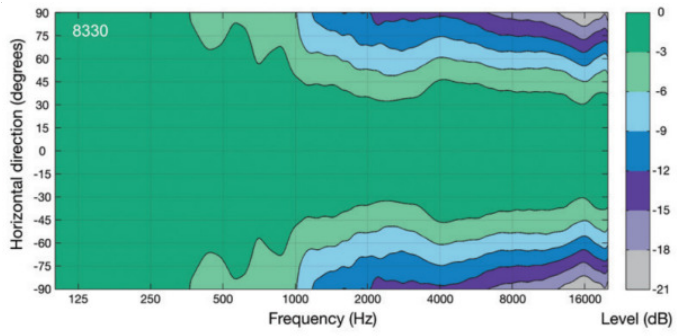
Diameter
19 mm (3/4 in)

Directivity

Vertical directivity



Horizontal directivity



Harmonic distortion

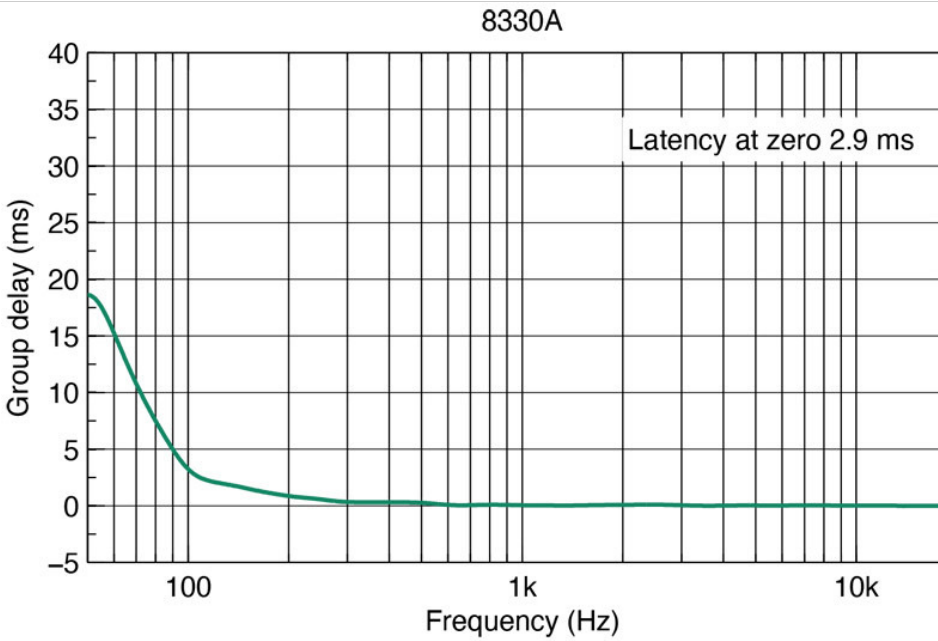
50...100 Hz $\leq 2\%$
> 100 Hz $\leq 0.5\%$

Group delay

The latency at high frequencies from the input to the acoustic output, measured in the analog input:

Extended Phase Linearity in GLM set to OFF
2.9 ms

In Genelec performance graphics, the time of converting the from an electronic input signal to the acoustic output in a Genelec monitor is described by two factors – latency and group delay. The group delay factor can be read in the graphics for a specific frequency. The total frequency-specific input-to-output delay is a sum of the latency and group delay factors. To understand the significance of this total delay, consider that moving a loudspeaker away by 1 meter creates an additional delay of about 3 ms.



Amplifier Section

Amplifiers

8330A bass amplifier
50 W Class D

8330A treble amplifier
50 W Class D

Mains voltage

100-240 VAC 50/60Hz

Power consumption

ISS Active
≤0.5 W

Idle
≤3 W

Full output
50 W

Signal processing section

Connectors

Input Analog signal input connector XLR female, balanced 10 kOhm.	Input XLR female IN
Output XLR male OUT	2 x Control Two CAT5 (RJ45) GLM Network connectors for computer control using the Genelec Loudspeaker Manager (GLM) software.

Product Variants

Product codes

Code	Product information	EAN code	CN code
8330AP	8330A SAM™ Studio Monitor Dark Grey		
8330AW	8330A SAM™ Studio Monitor White		
8330AP	8330A SAM™ Studio Monitor RAW		

Compatible Accessories

Product codes

Code	Product information	EAN code	CN code
8000-406	8000-406 Short table stand		
8000-450B	8000-450 TRIOL Floor Stand Black		
8000-450W	8000-450W TRIOL Stand White		
8000-425B	8000-425B Adjustable height table stand (301-527 mm)		
8000-323W	8000-323W Table stand L-shape, White		
8000-323B	8000-323B Table stand L-shape, Black		
8000-409B	8000-409B Floor stand (950-1430 mm)		
8000-403	8000-403 Floor stand (mic stand)		
8030-408	8030-408 Black stand plate for 8X30, 8331 Iso-Pod		
8030-438W	8030-438W White stand plate for 8X30, 8331 Iso-Pod		
8000-436B	8000-436B Short ceiling mount, Black		
8000-436W	8000-436W Short ceiling mount, White		
8000-442B	8000-442B Short adjustable ceiling mount, Black		
8000-442W	8000-442W Short adjustable ceiling mount, White		
8000-444B	8000-444B Long adjustable ceiling mount, Black		
8000-444W	8000-444W Long adjustable ceiling mount, White		
8000-446B	8000-446B Truss mount kit, adjustable length		
8000-416B	8000-416B Short truss mount with clamp		
8000-454B	8000-454B T-adapter plate		
4000-410B	4000-410B Wall mount (simple bracket), Black (Genelec)		
4000-410W	4000-410W Wall mount (simple bracket), White (Genelec)		
8000-422B	8000-422B Adjustable wall mount with T-plate, Black		
8000-422W	8000-422W Adjustable wall mount with T-plate, White		
8000-402B	8000-402B Wall mounting bracket, Black		
8000-402W	8000-402W Wall mounting bracket, White		
8030-440W	8030-440W for 8030, White		
8030-440	8030-440 for 8030, Black		
8000-437B	8000-437B VESA adapter 75/100 mm, Black		
8000-831	8000-831 Empty case for two pcs 8X30/8331, Matte Black		
8030-423	8030-423 Soft carrying bag for two pcs 8X3X, Black		

For even more technical details please see product operating manual.