

Noise test results SIA 181

Whisper whirlpool types

WAE, WWE, WCE

The renewed Villeroy & Boch Whisper Airpool have successfully passed the sound tests at the Fraunhofer-Institute for building physics (IBP) in Stuttgart. Sound levels were checked according to the SIA 181 (total value $L_{H,tot}$).



Test results:

	Room below	Room diagonally	Room next doors
SIA 181 requirements*	28 dB(A)	25 dB(A)	33 dB(A)
Whisper Airpool	17 dB(A)	10 dB(A)	15 dB(A)
Whisper Whirlpool	27 dB(A)	25 dB(A)	30 dB(A)
Whisper Combipool	28 dB(A)	24 dB(A)	29 dB(A)

* Minimum requirements for permanent operation noise (Funktionsgeräusche - Dauergeräusche; Mindestanforderungen).

Details in test report P-BA 86/2009.

This is tested in a special test installation where a building with two levels is simulated. The measuring rooms can be classified in groups of sensitivity to noise according to SIA 181. Tests were done with the whirlpool system set on maximal massage power.

