

Sound insulation index to DIN EN ISO 10140-2010**P-BA 97/2017**

Applicant: DORMA Hüppe Raumtrennsysteme GmbH & Co. KG
26655 Ocholt, Germany

Results sheet 1

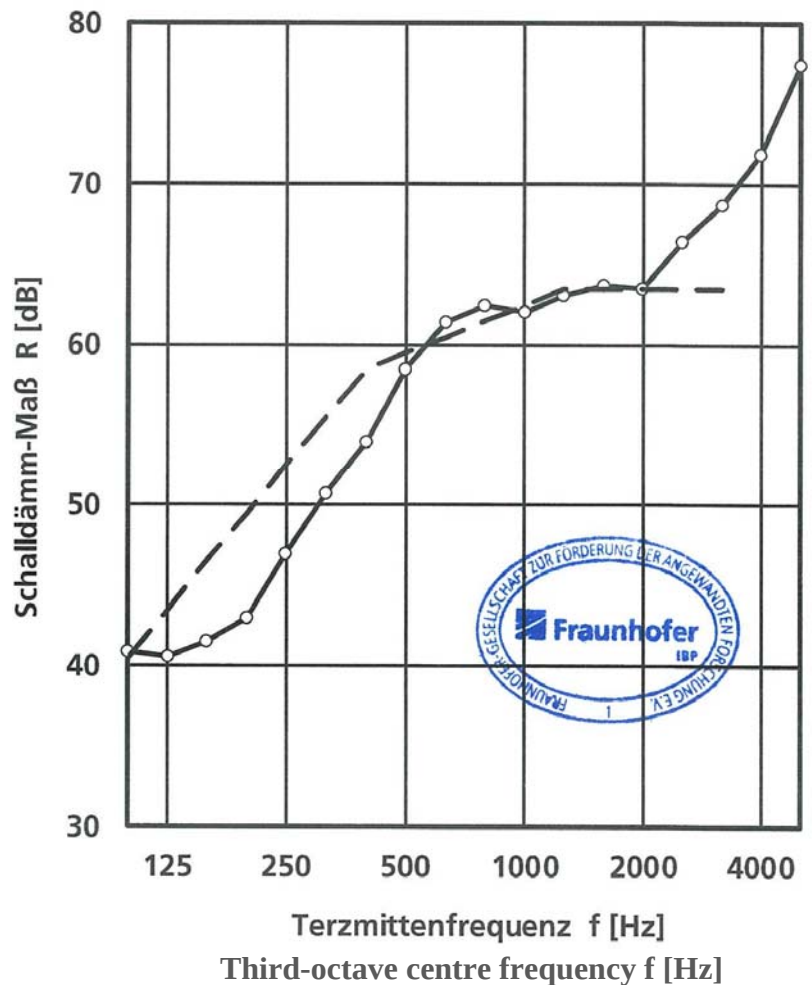
Subject:

Movable wall (test item S 11027-23), type Variflex 100, with two full-wall elements and one telescopic element, clad on both sides with 16 mm thick, coated chipboard sheets, each with 1 x 5 mm and 1 x 2.5 mm thick heavy-duty matting adhesive-bonded on their internal faces; element cavity filled with 40 mm thick mineral wool; with additional lip seals at the cover panels top and bottom both sides. Operating mode: Manual
The movable wall (partition) was in a fully functional condition.

For a further description of the subject and technical data, see Table 1 and also Figs. 1 and 2.

Tested surface area: 10.75 m²
Test rooms: P6
Room volumes:
Source V_S = 51.5 m³
Receiver V_E = 63.2 m³
Type: Test stand
Rel. humidity: 38 ± 2%
Air temperature: 21.2 ± 0.3°C
Static air pressure: 985 ± 1 hPa
Test sound: Pink noise
Date of test: 23 Nov. 2016

f [Hz]	R [dB]
50	21,2
63	26,0
80	30,9
100	40,9
125	40,6
160	41,5
200	43,0
250	47,0
315	50,7
400	54,0
500	58,5
630	61,4
800	62,5
1000	62,0
1250	63,1
1600	63,7
2000	63,5
2500	66,4
3150	68,7
4000	71,9
5000	77,4

Sound reduction value R [dB]

Weighted sound reduction index to DIN EN ISO 717-1:2013
R_w (C; C_{tr}; C₁₀₀₋₅₀₀₀; C_{tr, 100-5000}) = 59.5 ± 1.2 (-2; -7; -1; -7) dB

Fraunhofer
IBP

This test was carried out in a test laboratory of the IBP, accredited to DIN EN ISO/IEC 17025:2005 by the DAP with certificate no. D-PL-11140-11-01.

Stuttgart, 22 June 2017
Test department manager: