



## Anechoic chamber P22

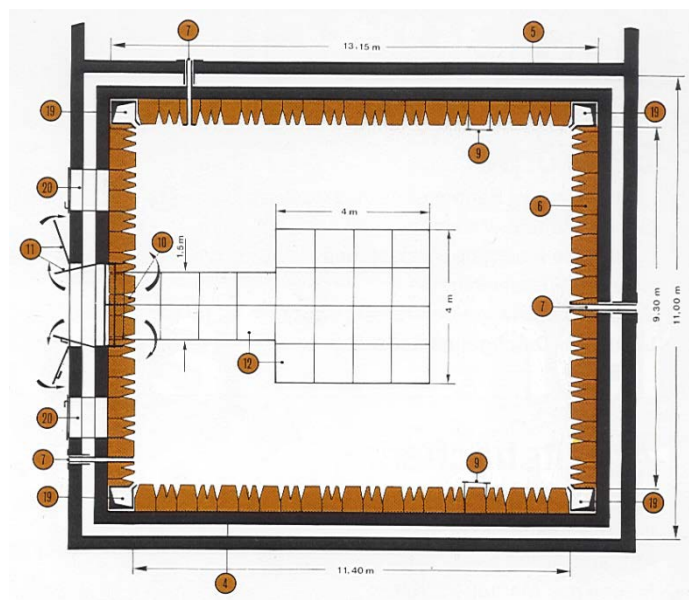
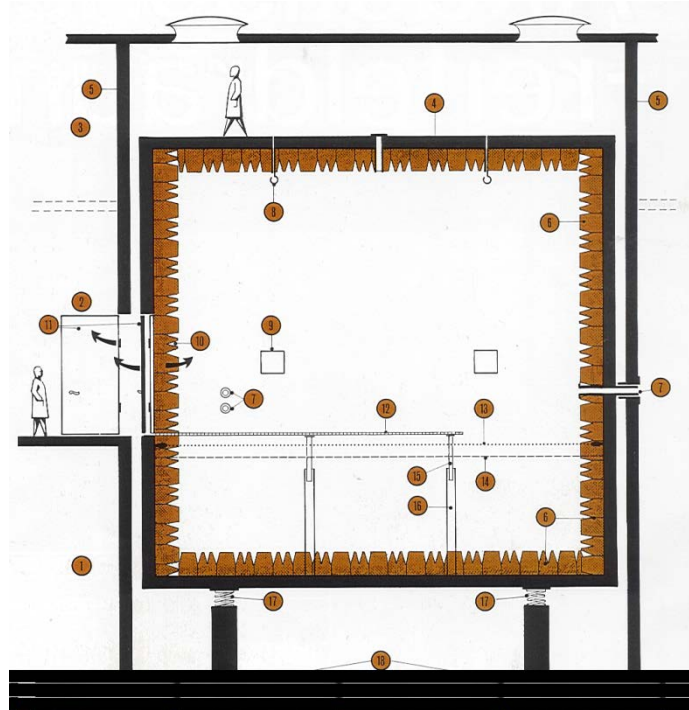
<b>Measurement</b>	Sound power (enveloping measurement surface), sound intensity, directivity, localization of sound sources
<b>Standard</b>	DIN EN ISO 3745
<b>Measuring objects</b>	Machinery, devices and systems, for example ventilation and air-conditioning systems as well as other noise sources
<b>Technical data</b>	
Dimensions inside the lining (L x H x H)	9,3 m x 10,4 m x 10,3 m
Room volume	1090 m <sup>3</sup>
Dimensions of the door opening	2,34 m x 1,89 m
Removable mounting grids as working plane	4,0 m x 4,0 m surface area
Load capacity of the mounting grid	5000 N/m <sup>2</sup>

### More information

- Lower cut-off frequency 80 Hz
- Resilient mounting of the room and separate foundation for vibration isolation
- Room-to-room construction with very low background noise
- Extremely low-noise ventilation system (< 25 dB/Okt.)
- Steel cable net and grid to install heavy objects, can be removed for measurements.
- Opening for measurement connection and supply lines available Compressed air and electric power available

The anechoic room is suited for large-size sound sources and large measurement distances due to its size. The low cut-off frequency of 80 Hz and the very low background noise in the room are the specific characteristics of this room as a test facility.

### Section and floor plan of the test facility (dimensions in m)



1 basement	5 wall with additional lining	9 frame for fixing	13 steel cable net	17 steel springs
2 ground floor	6 acoustical trowel	10 lining	14 safety net	18 separate foundations
3 first floor	7 openings	11 doors	15 Adapter f. grid	19 ventilation ducts
4 building	8 ceiling hook	12 grid	16 supports f. grid	20 large opening

The test laboratory of the Fraunhofer IBP has been granted flexible accreditation according to DIN EN ISO/IEC 17025 by Deutsche Akkreditierungsstelle GmbH (DAKKS).