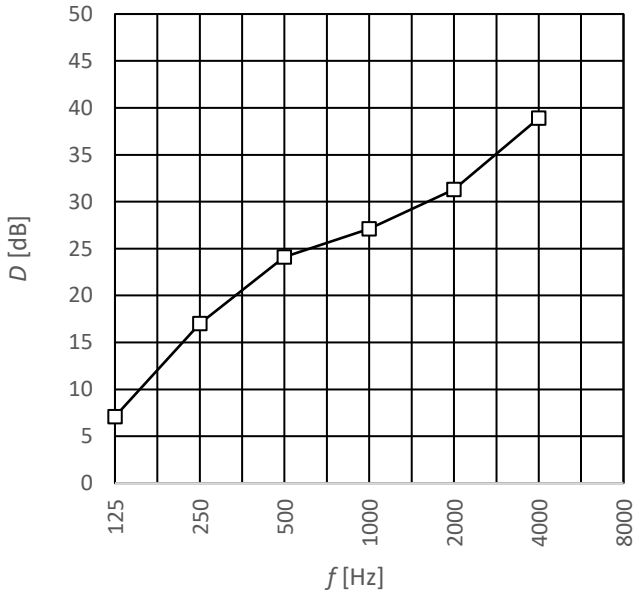
Determination of speech level reduction according to ISO 23351-1

Desktop assessment undertaken in accordance with FIS certified scheme

Product:	AMR
Operating condition:	Assessed based on normal use
Manufacturer:	Optima
Assessment scheme:	Acoustic classification scheme for configurable meeting pods
Name of assessor:	Ben Southgate, Sandy Brown
Name of assessor:	Andy Parkin, Cundall
Assessment date:	08 December 2023

Frequency	**Speech level**
f	*D*
Hz	**dB**
125	7.1
250	17.0
500	24.1
1000	27.1
2000	31.3
4000	38.9
8000	- *
$D_{S,A}$	**23**
Class	**C**

** No data provided for 8,000 octave band*



NB: The results are only valid for the specimen configuration assessed (see details overleaf). Changes in size, geometry or materials can lead to significant changes in reported results.

Key

f 1/1-octave band, in Hz

D level reduction, in dB

$D_{S,A}$ speech level reduction, in dB

FIS acoustic classification scheme for CONFIGURABLE pods

Assessment ref: FIS-OPT-2312-004

Pod configuration assessed

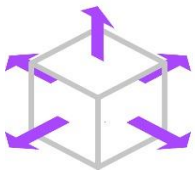
	$D_{S,A,E}$ *	
Ceiling 9.4 m2 total panel size	25	Standard dual pan metal ceiling, inclusive of light beams supports (incl. two fans)**.
Front wall (w/entry) 7.3 m2 total panel size	32	Revolution 100 single glazing (12.8mm acoustic laminated glass). Edge Symmetry single glazed door in a microflush door frame.
Left wall 7.3 m2 total panel size	34	Revolution 100 single glazing (12.8mm acoustic laminated glass).
Back wall 7.3 m2 total panel size	35	Sandwich panel with fabric-wrapped MDF inner face, laminate panel outer face and Rockwool cavity insulation.
Right wall 7.3 m2 total panel size	35	Sandwich panel with fabric-wrapped MDF inner face, laminate panel outer face and Rockwool cavity insulation.

* $D_{S,A,E}$ represents the level difference of the individual element, from which the overall performance is derived. This should be used as indicative only and is not binding.

** The data used for this element is based on predictions, rather than laboratory test results. This increases the uncertainty of the assessment and a conservative view has therefore been taken.

Disclaimer

The performance stated in this certificate is a prediction and best estimate based on data and drawings provided by the manufacturer. Sandy Brown and Cundall have taken reasonable care to validate the information provided to us, but are not responsible for misleading, inaccurate or unrepresentative information that may have been provided to us as the basis for the assessment. Furthermore, Sandy Brown and Cundall offer no guarantee of the sound reduction performance that may be achieved when tested, which may vary as a result of factors such as, but not limited to, site conditions, installation quality and other acoustic parameters.



FIS
acoustic classification scheme for
CONFIGURABLE
pods

Assessment ref: FIS-OPT-2312-004