

TEST REPORT

STANDARDIZED LEVEL DIFFERENCE ACCORDING TO ISO 140-4 STANDARD
FIELD MEASUREMENTS OF AIRBORNE SOUND INSULATION BETWEEN ROOMS

CLIENT: STUDIOBRICKS

DATE OF ESSAY: 03/20/18

IDENTIFICATION ELEMENT: Cabin model ONE PLUS

Outside measurements 168x106x221 cm

Inside measurements 152x90x205 cm

1 window

1 door

Emission inside the cabin and reception outside the cabin

Receiver room volume = 95,8 m³

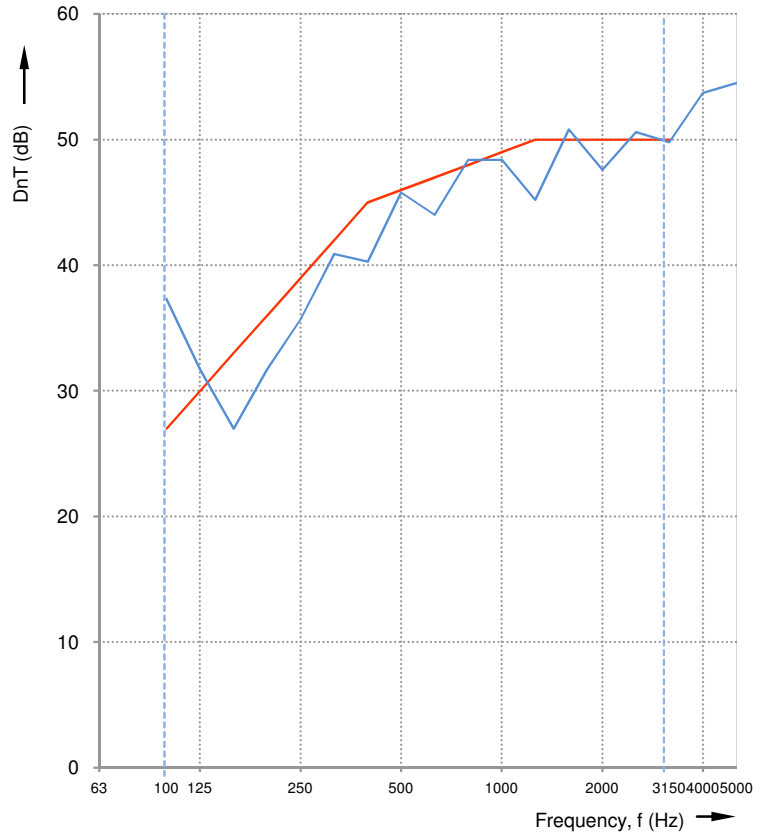
Cabin volume = 2,8 m³

Frequency range according to reference curve (ISO 717-1)

D_{nT} (dB)

REFERENCE CURVE ISO 717-1

Frequency <i>f</i> Hz	D_{nT} (octave third) dB
100	37,3
125	31,7
160	27,0
200	31,7
250	35,7
315	40,9
400	40,3
500	45,8
630	44,0
800	48,4
1000	48,4
1250	45,2
1600	50,8
2000	47,6
2500	50,6
3150	49,8
4000	53,7
5000	54,5



Value according to the standard ISO 717-1:

Insulation index according UNE EN ISO 717-1 $D_{nT,w}$ (C,Ctr) = 46 (-2 ; -6) dB

$D_{nT}(A)$ = 44,8 dBA

No corrections were made for background noise

Report nº 2204-18-L

soundlab
LABORATORIO DE MEDICIONES ACÚSTICAS

Assay executed by: Ivan Martínez

F 5.10.07 - Rev. 8

TEST REPORT

DETERMINATION OF ACOUSTIC INSULATION PERFORMANCE OF CABINS IN SITU MEASUREMENT METHOD (ISO 11957:1996)

CLIENT: STUDIOBRICKS

DATE OF ESSAY: 03/20/18

IDENTIFICATION ELEMENT: Cabin model ONE PLUS

Outside measurements 168x106x221 cm

Inside measurements 152x90x205 cm

1 window

1 door

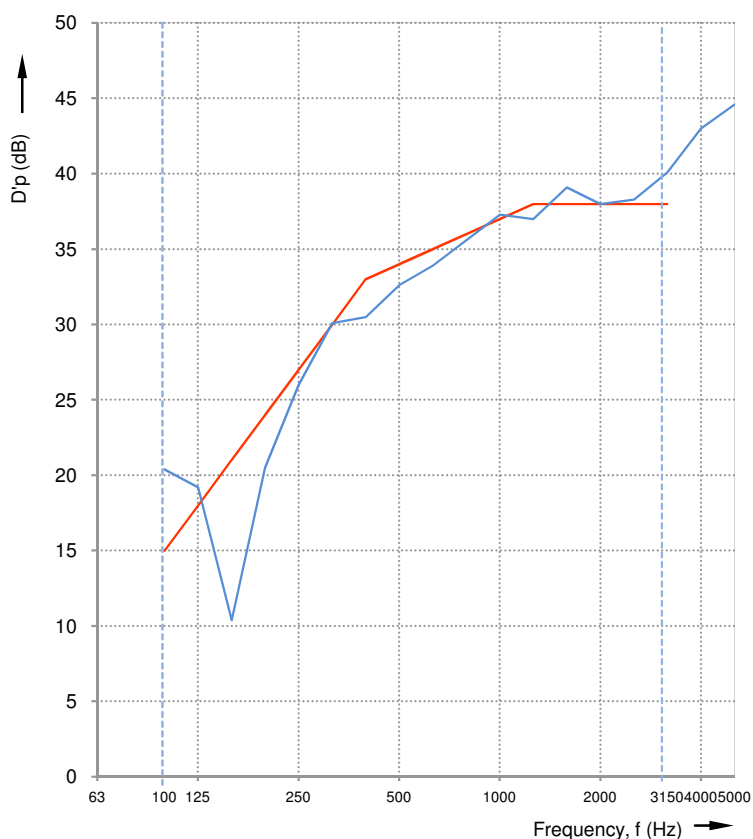
Cabin volume =	2,8 m ³
Source room volume =	95,8 m ³

Frequency range according to reference curve (ISO 717-1)

D'p (dB)

REFERENCE CURVE ISO 717-1

Frequency <i>f</i> Hz	<i>D'p</i> (octave third) dB
100	20,4
125	19,2
160	10,4
200	20,5
250	26,0
315	30,1
400	30,5
500	32,6
630	33,9
800	35,6
1000	37,3
1250	37,0
1600	39,1
2000	38,0
2500	38,3
3150	40,1
4000	43,0
5000	44,6
6300	44,9
8000	47,3
10000	48,9



Value according to the standard ISO 717-1:

Insulation index according UNE EN ISO 717-1 $D'p_{w}(C,Ctr) = 34 (-3 ; -7)$ dB

No corrections were made for background noise

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Essay executed by: Ivan Martínez