NORMALIZED FLANKING LEVEL DIFFERENCE $D_{n,f}$ OF A SUSPENDED CEILING

AL45

Test	8
Date	18/01/08
Station	PHI

REQUESTER, MANUFACTURER ROCKFON (Poland)

NAME ARTIC

APTITUDE IN THE EMPLOYMENT Unchecked

MAIN CHARACTÉRISTICS

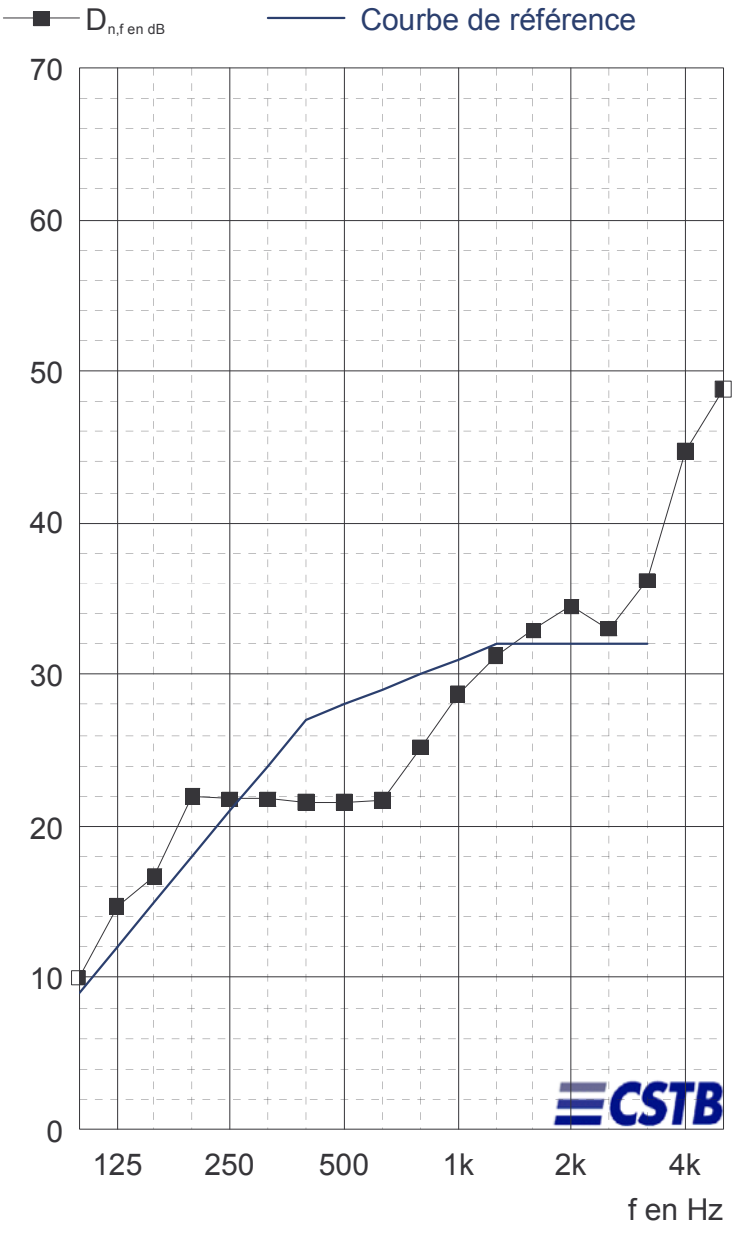
Dimensions of model in mm : 10930 x 4160
Thickness in mm : 15
Weight per unit of area kg/m² : 2.3
Plenum height in mm : 695

MEASUREMENT CONDITIONS

PHI 1 :
Temperature: 25 °C
Relative humidity: 44%

PHI 2 :
Temperature: 25 °C
Relative humidity: 47%

RESULTS



f	$D_{n,f}$
100	10,0
125	14,7
160	16,7
200	22,0
250	21,8
315	21,8
400	21,6
500	21,6
630	21,7
800	25,2
1000	28,7
1250	31,2
1600	32,9
2000	34,5
2500	33,0
3150	36,2
4000	44,7
5000	48,8
Hz	dB

(*) : valeur corrigée. (+) : limite de poste.

$D_{n,f,w}$ (C;C_{tr}) = 28(-2;-4) dB

Pour information :
$D_{n,f,w}$+C = 26 dB
$D_{n,f,w}$+C_{tr} = 24 dB