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

AL45

Test	**15**
Date	**18/01/08**
Station	**PHI**

REQUESTER, MANUFACTURER **ROCKFON (Poland)**

NAME **SONAR P A,**

CONFIGURATION **With ACOUSTIMASS barrier**

APTITUDE IN THE EMPLOYMENT **Unchecked**

MAIN CHARACTÉRISTICS

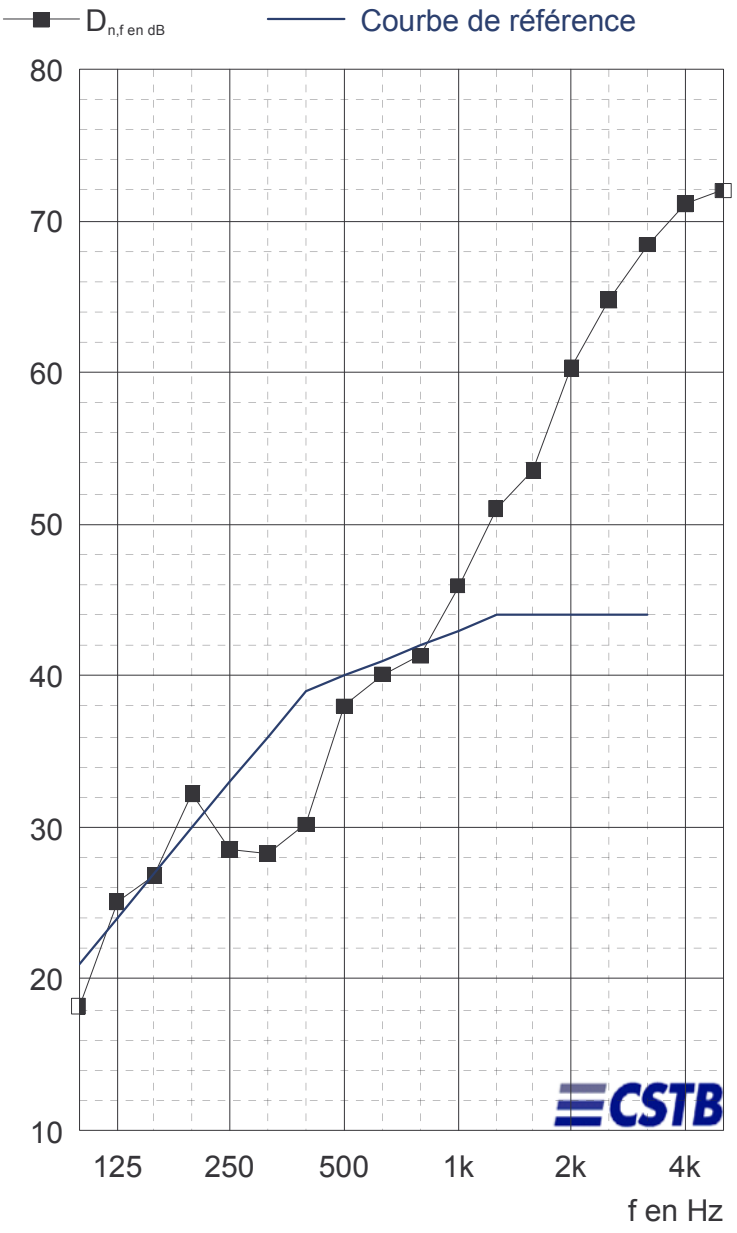
Dimensions of model in mm : 10930 x 4160
Thickness in mm : 20
Weight per unit of area kg/m² : 3.3
Plenum height in mm : 690

MEASUREMENT CONDITIONS

PHI 1 :
Temperature: 24.5 °C
Relative humidity: 40%

PHI 2 :
Temperature: 24.5 °C
Relative humidity: 45%

RESULTS



f	$D_{n,f}$
100	18,2
125	25,1
160	26,8
200	32,2
250	28,5
315	28,3
400	30,2
500	38,0
630	40,1
800	41,3
1000	45,9
1250	51,0
1600	53,5
2000	60,3
2500	64,8
3150	68,4
4000	71,1
5000	72,0
Hz	dB

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

$D_{n,f,w}$ (C;C_{tr}) = 40(-2;-6) dB

Pour information :
$D_{n,f,w}$+C = 38 dB
$D_{n,f,w}$+C_{tr} = 34 dB