

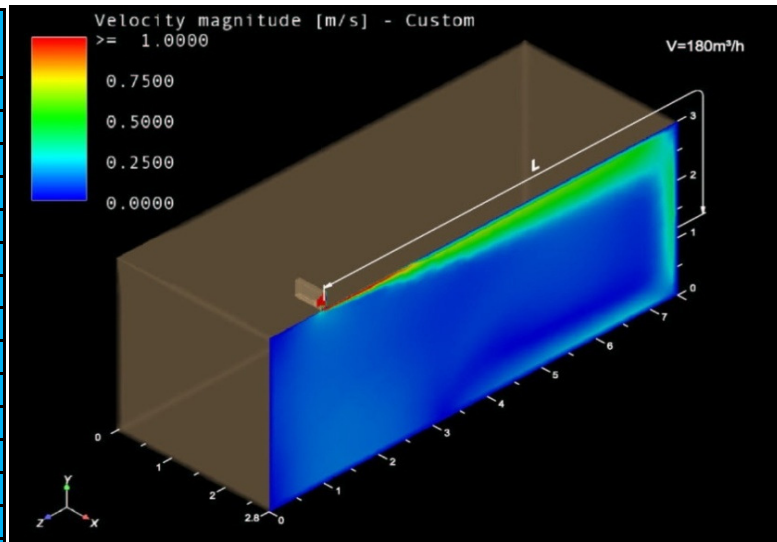
SINGLE DIFFUSER AIR THROW

CTIB-6

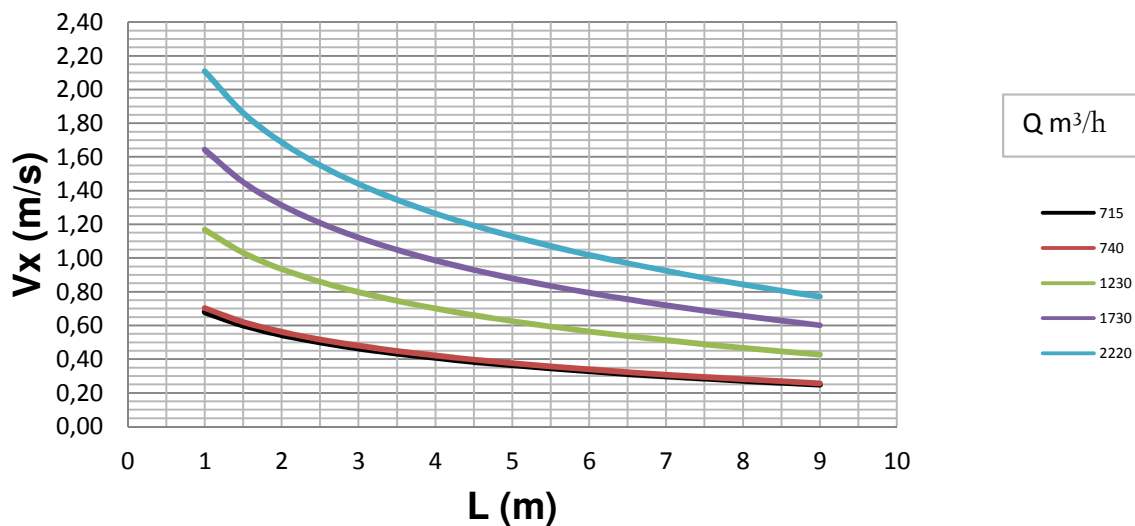
NUMBER OF SLOTS	6	NOT STANDARD LENGTH INSUFFICIENT AIR FLOW
LENGTH (mm) =	3000	
Q Air flow for each diffuser (m³/h) =	715	
T inlet air °C	22	
T room air °C	22	
% closure damper (only CTIC)	0	ΔT ISOT. 0
A Distance between the diffusers (m) =	2,00	Q min= 740
Hr Height of the room (m) =	4,00	Q max= 2220
Ho Height of the occupied zone (m) =	1,80	Ak HORIZ= 0,1372
Vt m/s=	0,20	Ak VERT= 0,2565
		T throw m= 11,52



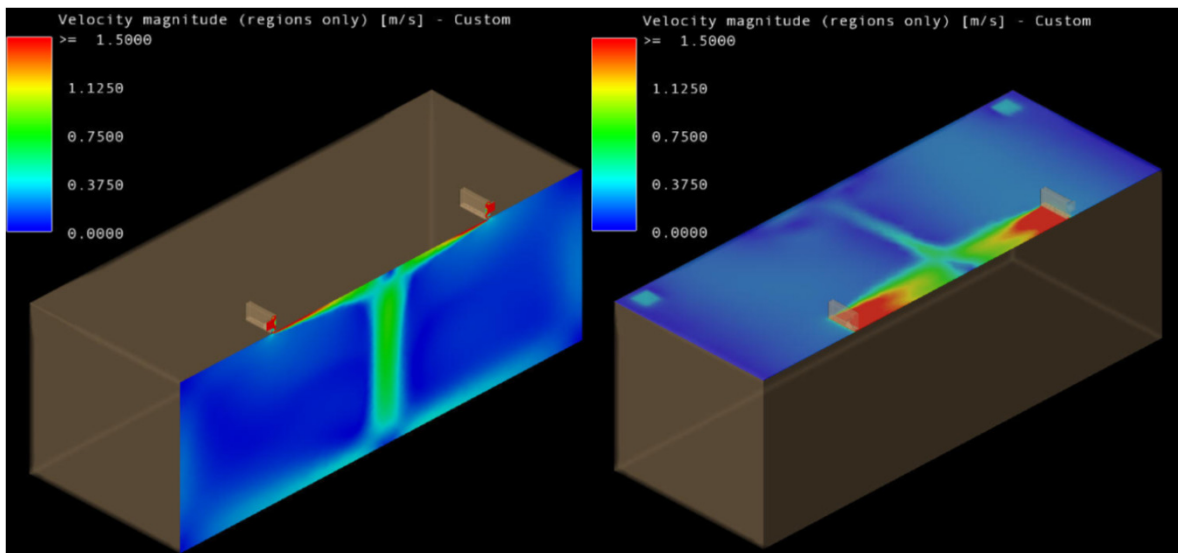
Vk (m/s)	1,447
Q (m³/h)	715
L (m)	Vx (m/s)
1	0,68
1,5	0,60
2	0,54
2,5	0,50
3	0,46
3,5	0,43
4	0,41
4,5	0,38
5	0,36
5,5	0,34
6	0,33
6,5	0,31
7	0,30
7,5	0,28
8	0,27
8,5	0,26
9	0,25



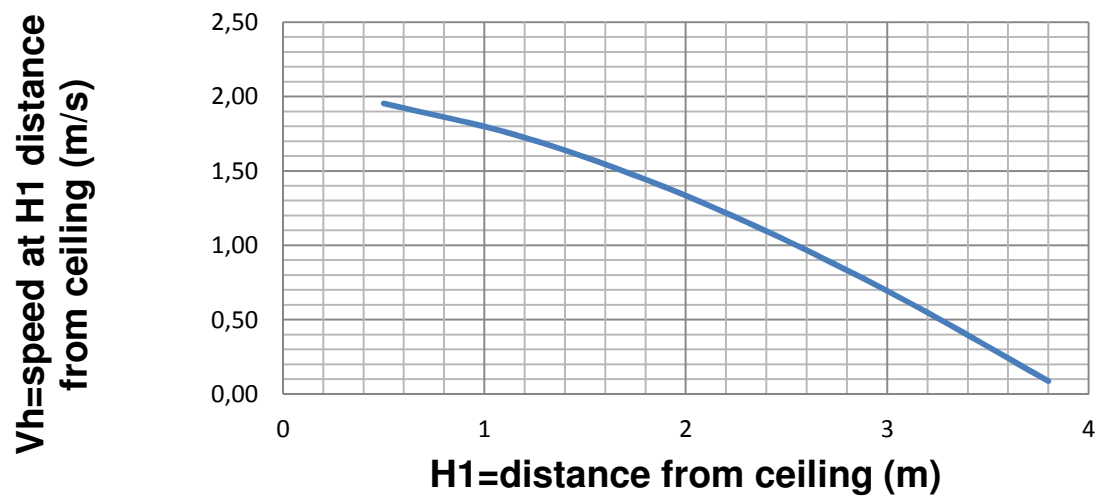
Horizontal throw CTIB-CTIC



Q (m ³ /h)	A (m)	Hr (m)	Ho (m)	Vo to limit of the occupied zone m/s
715	2	4	1,8	1,22



Speed at throw intersection



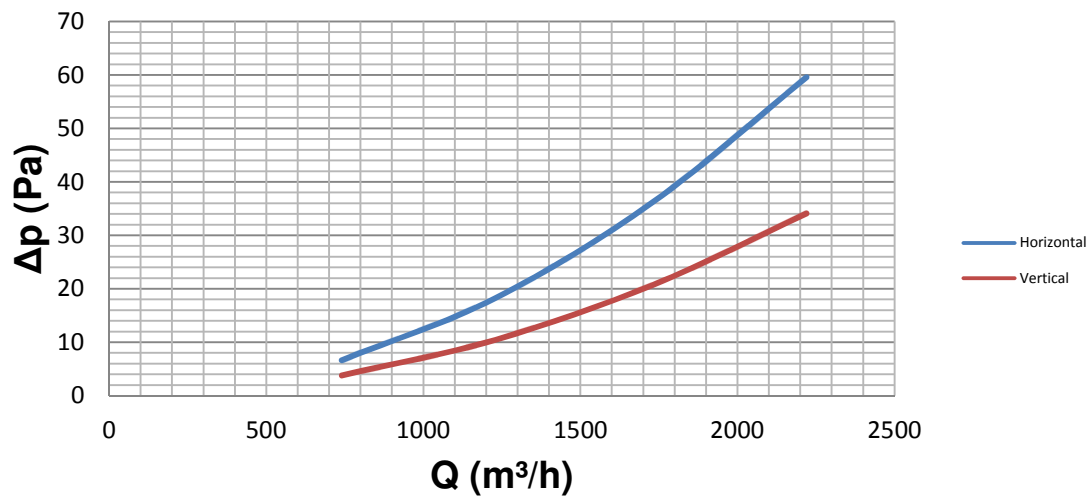
PRESSURE DROP

CTIB-6

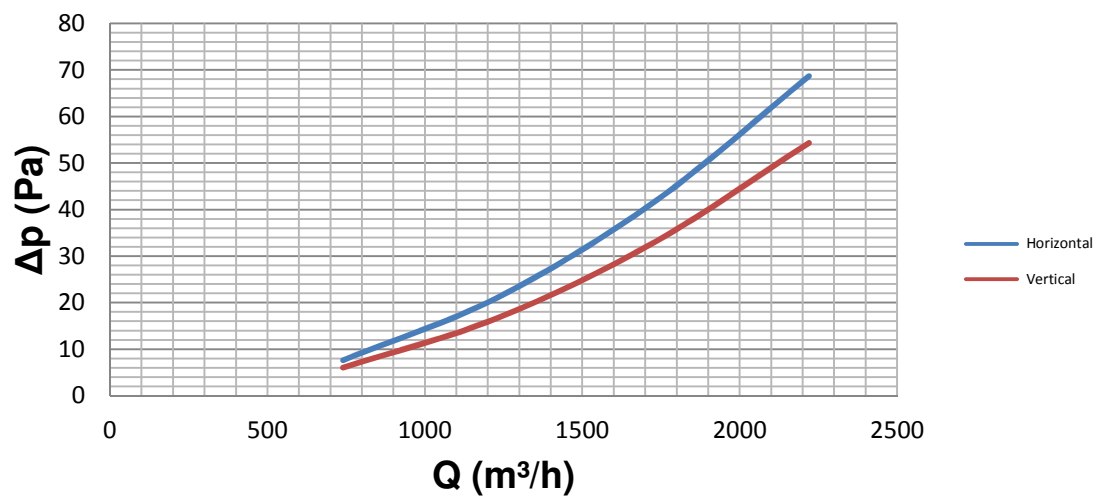
NUMBER OF SLOTS	6
LENGTH (mm) =	3000
Q Air flow for each diffuser (m³/h)	715
% closure damper (only CTIC)	0

Q (m³/h)	CTIB		CTIC	
	Δp_{Ho} (Pa)	Δp_{Ve} (Pa)	Δp_{Ho} (Pa)	Δp_{Ve} (Pa)
715	6	4	7	6

Pressure drop CTIB



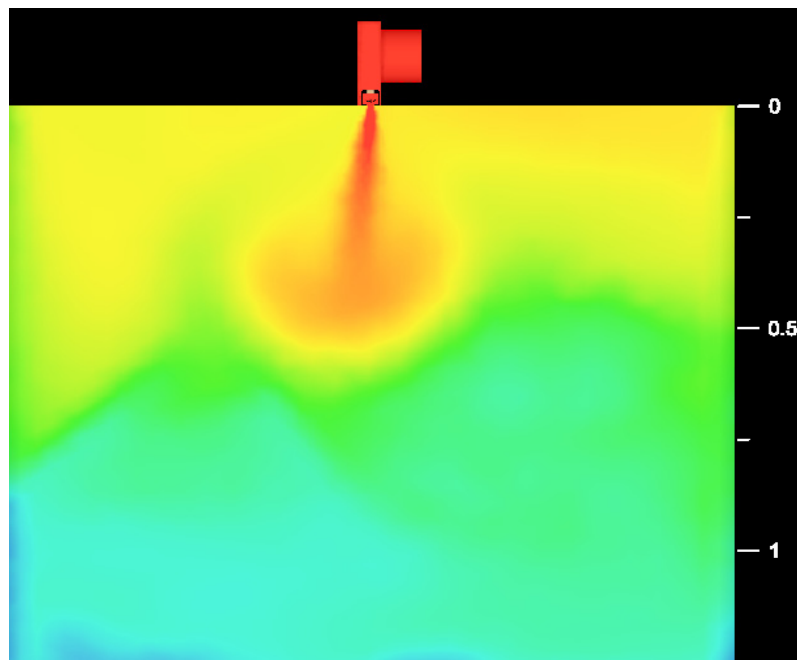
Pressure drop CTIC



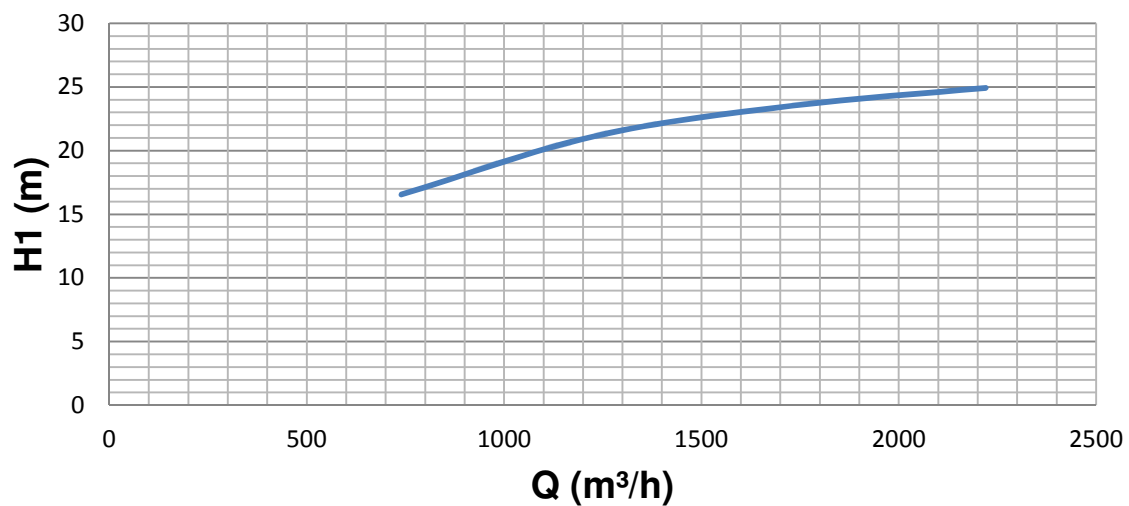
VERTICAL THROW $\Delta T =$ 0 °C CTIB-6

NUMBER OF SLOTS	6
LENGTH (mm) =	3000
Q Air flow for each diffuser (m³/h)	715
% closure damper (only CTIC)	0

Q (m³/h)	H (m)
715	16,20



Vertical throw



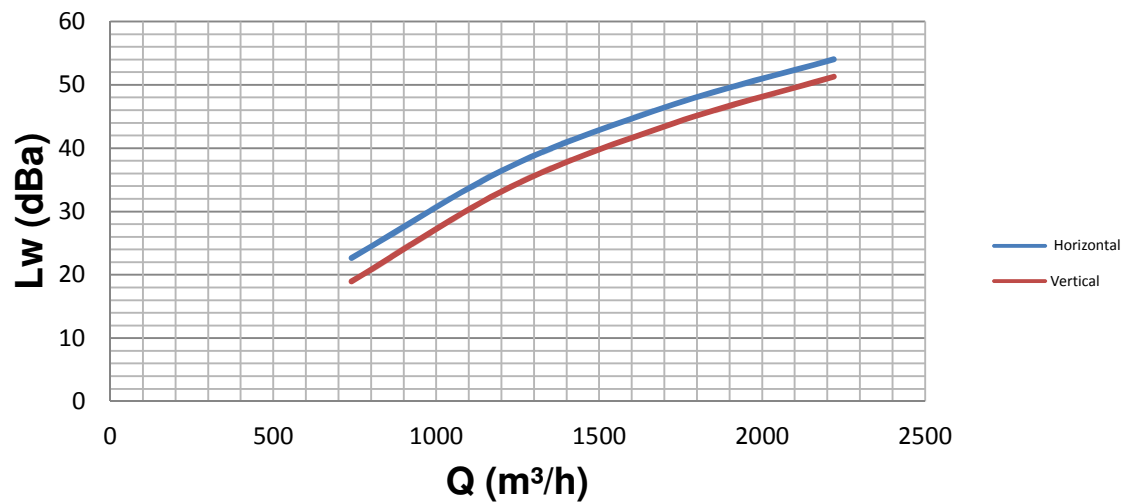
SOUND POWER

CTIB-6

NUMBER OF SLOTS	6
LENGTH (mm) =	3000
Q Air flow for each diffuser (m³/h)	715
% closure damper (only CTIC)	0

Q (m³/h)	CTIB			CTIC		
	Lw	Ho	dBa	Lw	Ho	dBa
715	22		18	32		29

Sound power CTIB



Sound power CTIC

