

Performance Data - Swirl Diffusers

SW					In more than one row and B<4.0m distance between rows:			In one row or more rows B>4.0m
ceiling height	air volume		Ps Pa	LpA NC	B=2.7m throw (t)m	B=3.2m throw (t)m	B=3.6m throw (t)m	throw (t)m
	M³/S	M³/H						
2.7m	0.050	180	3	-	0.7	0.7	0.7	0.7
	0.060	216	4	-	1.2	1	0.8	0.7
	0.070	252	5	-	1.4	1.2	1	0.9
	0.080	288	7	-	1.6	1.3	1.2	1.0
	0.090	324	8	-	1.7	1.4	1.3	1.2
	0.100	360	10	-	1.8	1.5	1.4	1.2
	0.125	450	16	-	1.9	1.7	1.5	1.4
	0.150	540	23	25	2.0	1.8	1.6	1.5
	0.175	630	31	29	2.2	1.9	1.8	1.7
	0.200	720	41	33	2.4	2.2	2.1	2.0
3.0m	0.050	180	3	-	0.7	0.7	0.7	0.7
	0.060	216	4	-	0.7	0.7	0.7	0.7
	0.070	252	5	-	1.0	0.8	0.7	0.7
	0.080	288	7	-	1.3	1.1	0.9	0.8
	0.090	324	8	-	1.5	1.2	1.1	0.9
	0.100	360	10	-	1.6	1.3	1.2	1.0
	0.125	450	16	-	1.8	1.5	1.4	1.3
	0.150	540	23	25	1.9	1.7	1.5	1.4
	0.175	630	31	29	2.0	1.7	1.6	1.5
	0.200	720	41	33	2.1	1.8	1.7	1.6
3.6m	0.050	180	3	-	0.7	0.7	0.7	0.7
	0.060	216	4	-	0.7	0.7	0.7	0.7
	0.070	252	5	-	0.7	0.7	0.7	0.7
	0.080	288	7	-	0.8	0.7	0.7	0.7
	0.090	324	8	-	0.8	0.7	0.7	0.7
	0.100	360	10	-	1.2	0.9	0.8	0.7
	0.125	450	16	-	1.5	1.2	1.1	1.0
	0.150	540	23	25	1.7	1.4	1.3	1.7
	0.175	630	31	29	1.8	1.6	1.4	1.3
	0.200	720	41	33	1.9	1.6	1.5	1.4

- 1.Throw data refers to diffusers mounted in a flat ceiling (without obstruction), 2.70 to 3.60 above the floor.
- 2.Throw data is based on supply air 11C below room temperature.
- 3.When model SW swirl diffusers are mounted free within the room (I.e without a ceiling) the throw is decreased downwards at a maximum angle of 20'.
- 4.The sound pressure level data and pressure drop data apply to diffusers which have no volume control or whose volume control is fully open.
- 5.Sound pressure levels are based on a room absorption of 10 dbA, levels less than NC 20 are indicated by "--".
- 6.The values for "intention less insulated plenum box" do not include end reflection.
For non standard applications and / or selections, please contact our technical staff.