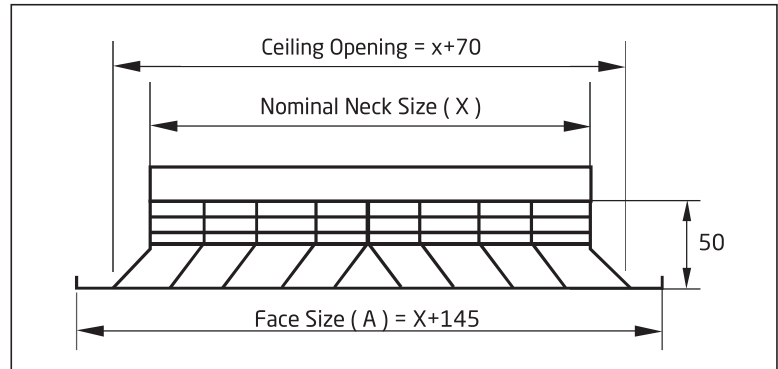
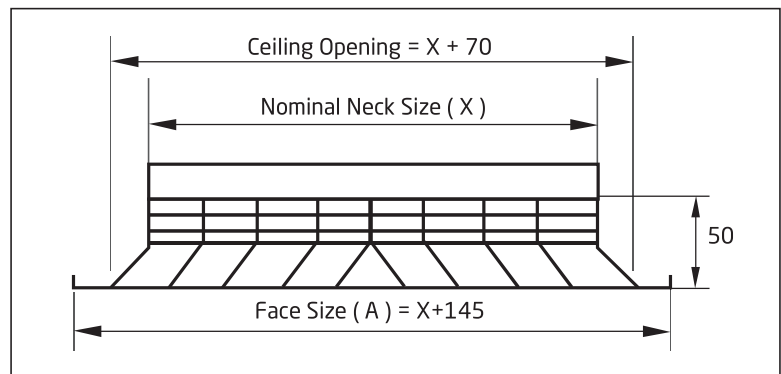


Lay-In 2 Way Diffuser

Lay- In 2 Way Opposite Diffuser



Lay- In 2 Way Corner Diffuser



Nominal Neck Metric (X)	Face Size (A)
150 x 150 mm	295 x 295 mm
225 x 225 mm	370 x 370 mm
300 x 300 mm	445 x 445 mm
375 x 375 mm	520 x 520 mm
450 x 450 mm	595 x 595 mm

* Grilles are powder coated white as standard

* The first number is for horizontal dimension and the second number is for vertical dimension

Quick Selection Table

Flow rate		Dim	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450	525 x 525	600 x 600	Flow rate		Dim	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450	525 x 525	600 x 600	
(m³/h)	(l/s)	A _k	0.0093	0.0209	0.0373	0.0582	0.0838	0.1141	0.1490	(m³/h)	(l/s)	A _k	0.0093	0.0209	0.0373	0.0582	0.0838	0.1141	0.1490	
100	27.8	V _k	3.0	1.3						700	194.4	V _k			5.2	3.3	2.3	1.7	1.3	
		X	0.6	0.4								X			2.1	1.7	1.4	1.2	1.1	
		P _t	6.7	1.3									P _t			20.4	8.4	4.0	2.2	1.3
		NR	22	5									NR			42	33	25	19	13
120	33.3	V _k	3.6	1.6						800	222.2	V _k			6.0	3.8	2.7	1.9	1.5	
		X	0.7	0.5								X			2.4	1.9	1.6	1.4	1.2	
		P _t	9.6	1.9									P _t			26.6	10.9	5.3	2.8	1.7
		NR	26	10									NR			45	36	28	22	17
140	38.9	V _k	4.2	1.9	1.0					900	250.0	V _k			6.7	4.3	3.0	2.2	1.7	
		X	0.9	0.6	0.4							X			2.7	2.2	1.8	1.6	1.4	
		P _t	13.1	2.6	0.8								P _t			33.7	13.8	6.7	3.6	2.1
		NR	30	14	-								NR			48	39	31	25	20
160	44.4	V _k	4.8	2.1	1.2					1000	277.8	V _k			7.4	4.8	3.3	2.4	1.9	
		X	1.0	0.7	0.5							X			3.0	2.4	2.0	1.7	1.5	
		P _t	17.1	3.4	1.1								P _t			41.6	17.1	8.2	4.4	2.6
		NR	33	17	5								NR			50	41	34	28	22
180	50.0	V _k	5.4	2.4	1.3					1200	333.3	V _k				5.7	4.0	2.9	2.2	
		X	1.1	0.7	0.5							X			2.9	2.4	2.1	1.8		
		P _t	21.7	4.3	1.3								P _t			24.6	11.9	6.4	3.8	
		NR	36	20	8								NR			46	38	32	27	
200	55.6	V _k	6.0	2.7	1.5	1.0				1400	388.9	V _k				6.7	4.6	3.4	2.6	
		X	1.2	0.8	0.6	0.5						X			3.4	2.8	2.4	2.1		
		P _t	26.8	5.3	1.7	0.7							P _t			33.5	16.2	8.7	5.1	
		NR	39	22	11	-							NR			50	42	36	30	
250	69.4	V _k	7.5	3.3	1.9	1.2				1600	444.4	V _k					5.3	3.9	3.0	
		X	1.5	1.0	0.8	0.6						X				3.2	2.8	2.4		
		P _t	41.8	8.3	2.6	1.1							P _t				21.1	11.4	6.7	
		NR	44	28	16	7							NR				46	39	34	
300	83.3	V _k		4.0	2.2	1.4	1.0			1800	500.0	V _k					6.0	4.4	3.4	
		X		1.2	0.9	0.7	0.6					X				3.7	3.1	2.7		
		P _t		11.9	3.7	1.5	0.7						P _t				26.7	14.4	8.4	
		NR		32	21	12	-						NR				48	42	37	
350	97.2	V _k		4.7	2.6	1.7	1.2			2000	555.6	V _k					6.6	4.9	3.7	
		X		1.4	1.1	0.9	0.7					X				4.1	3.5	3.0		
		P _t		16.2	5.1	2.1	1.0						P _t				33.0	17.8	10.4	
		NR		36	24	15	8						NR				51	45	39	
400	111.1	V _k		5.3	3.0	1.9	1.3	1.0		2500	694.4	V _k						6.1	4.7	
		X		1.6	1.2	1.0	0.8	0.7				X					4.4	3.8		
		P _t		21.2	6.7	2.7	1.3	0.7					P _t					27.8	16.3	
		NR		40	28	19	11	5					NR					50	45	
450	125.0	V _k		6.0	3.4	2.1	1.5	1.1		3000	833.3	V _k						7.3	5.6	
		X		1.8	1.4	1.1	0.9	0.8				X					5.2	4.6		
		P _t		26.8	8.4	3.5	1.7	0.9					P _t					40.0	23.5	
		NR		42	31	22	14	8					NR					55	49	
500	138.9	V _k		6.6	3.7	2.4	1.7	1.2	0.9	3500	972.2	V _k							6.5	
		X		2.0	1.5	1.2	1.0	0.9	0.8			X						5.3		
		P _t		33.1	10.4	4.3	2.1	1.1	0.7				P _t					31.9		
		NR		45	33	24	17	10	5				NR					53		
600	166.7	V _k			4.5	2.9	2.0	1.5	1.1	4000	1111.1	V _k							7.5	
		X			1.8	1.5	1.2	1.0	0.9			X						6.1		
		P _t			15	6.2	3.0	1.6	0.9				P _t					41.7		
		NR			38	29	21	15	10				NR					56		

Symbols:

A_k - Effective area

V_k - Effective velocity in m/s

X - Throw in metres correspond to a terminal velocity in occupied zone of 0.25m/s

Pressure (P_t) - All pressures are in Pa (N/m²)

NR - Noise level index in dB based on a room absorption and one diffuser