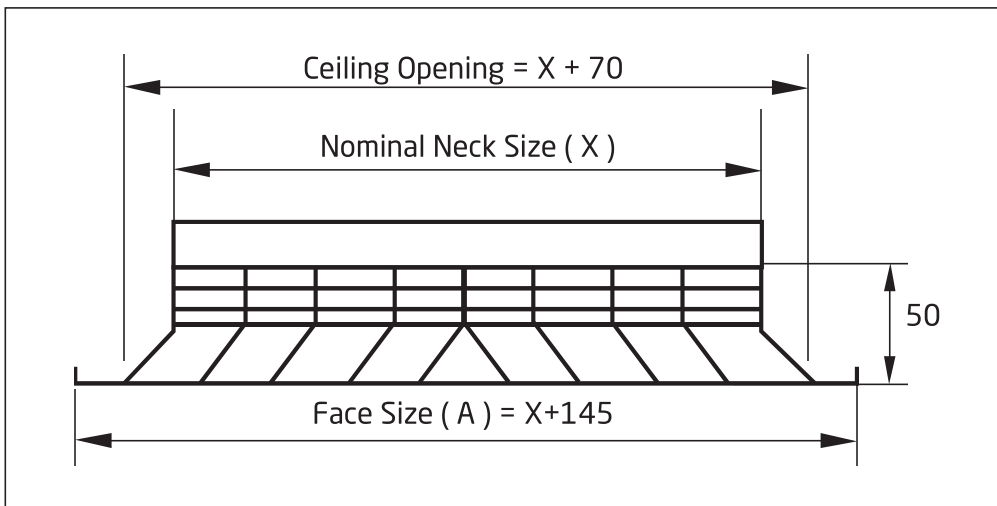


Lay-In 3 Way Diffuser



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	29300 x 300	375 x 375	450 x 450
(m³/h)	(l/s)	A _k	0.0089	0.0200	0.0355	0.0554	0.0798
100	27.8	V _k	3.1				
		X	0.6				
		P _t	8.5				
		NR	17				
120	33.3	V _k	3.7				
		X	0.7				
		P _t	12.2				
		NR	22				
140	38.9	V _k	4.4	1.9			
		X	0.8	0.6			
		P _t	16.6	3.3			
		NR	25	9			
160	44.4	V _k	5.0	2.2			
		X	1.0	0.6			
		P _t	21.7	4.3			
		NR	29	12			
180	50.0	V _k	5.6	2.5			
		X	1.1	0.7			
		P _t	27.5	5.4			
		NR	32	15			
200	55.6	V _k	6.2	2.8	1.6		
		X	1.2	0.8	0.6		
		P _t	33.9	6.7	2.1		
		NR	34	18	6		
250	69.4	V _k	7.8	3.5	2.0		
		X	1.5	1.0	0.8		
		P _t	53.0	10.5	3.3		
		NR	40	23	12		
300	83.3	V _k	9.4	4.2	2.3	1.5	
		X	1.8	1.2	0.9	0.7	
		P _t	76.3	15.1	4.8	2.0	
		NR	44	28	16	7	
350	97.2	V _k		4.9	2.7	1.8	
		X		1.4	1.1	0.8	
		P _t		20.6	6.5	2.7	
		NR		32	20	11	
400	111.1	V _k		5.6	3.1	2.0	
		X		1.6	1.2	1.0	
		P _t		26.9	8.5	3.5	
		NR		35	23	14	
450	125.0	V _k		6.3	3.5	2.3	1.6
		X		1.8	1.4	1.1	0.9
		P _t		34.0	10.8	4.4	2.1
		NR		38	26	17	10
500	138.9	V _k		6.9	3.9	2.5	1.7
		X		2.0	1.5	1.2	1.0
		P _t		42.0	13.3	5.5	2.6
		NR		40	29	20	12

Flow rate		Dim	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450
(m³/h)	(l/s)	A _k	0.0089	0.0200	0.0355	0.0554	0.0798
600	166.7	V _k			4.7	3.0	2.1
		X			1.8	1.4	1.2
		P _t			19.2	7.9	3.8
		NR			33	2.4	17
700	194.4	V _k			5.5	3.5	2.4
		X			2.1	1.7	1.4
		P _t			26.1	10.7	5.2
		NR			37	28	21
800	222.2	V _k			6.3	4.0	2.8
		X			2.4	1.9	1.6
		P _t			34.1	14.0	6.7
		NR			40	31	24
900	250.0	V _k			7.0	4.5	3.1
		X			2.7	2.2	1.8
		P _t			43.1	17.7	8.5
		NR			43	34	27
1000	277.8	V _k			7.8	5.0	3.5
		X			3.0	2.4	2.0
		P _t			53.3	21.9	10.5
		NR			46	37	29
1200	333.3	V _k				6.0	4.2
		X				2.9	2.4
		P _t				31.5	15.2
		NR				41	34
1400	388.9	V _k				7.0	4.9
		X				3.4	2.8
		P _t				42.9	20.7
		NR				45	38
1600	444.4	V _k				8.0	5.6
		X				3.9	3.2
		P _t				56.0	27.0
		NR				48	41
1800	500.0	V _k					6.3
		X					3.6
		P _t					34.2
		NR					44
2000	555.6	V _k					7.0
		X					4.0
		P _t					42.2
		NR					47
2500	694.4	V _k					8.7
		X					5.0
		P _t					65.9
		NR					52
3000	833.3	V _k					10.4
		X					6.0
		P _t					94.9
		NR					57

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