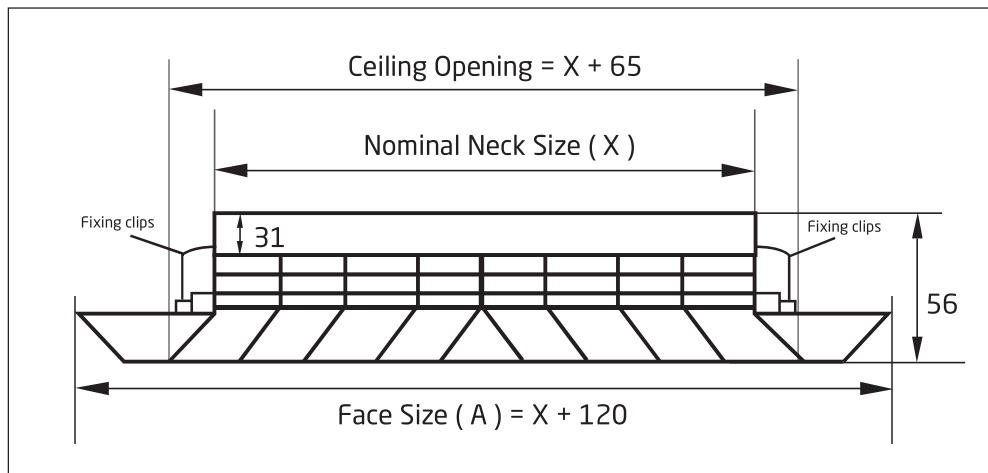
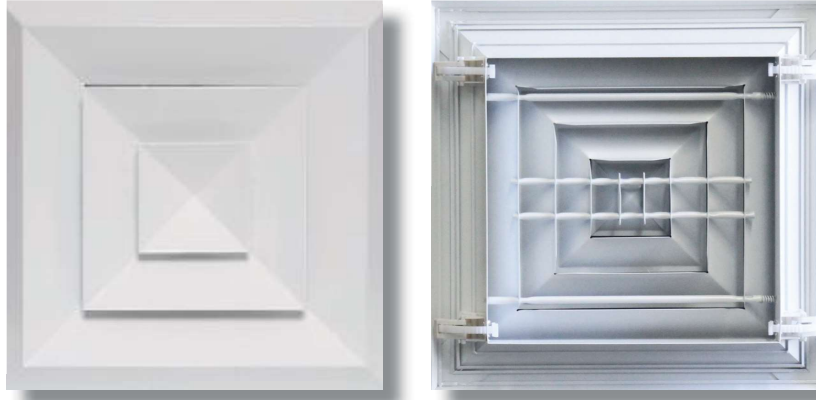



Bevelled Edge 4 Way With Fixing Clips



Nominal Neck Metric (X)	Face Size (A)
150 x 150 mm	270 x 270 mm
225 x 225 mm	345 x 345 mm
 300 x 300 mm	420 x 420 mm
375 x 375 mm	495 x 495 mm
450 x 450 mm	570 x 570 mm
525 x 525 mm	645 x 645 mm
600 x 600 mm	720 x 720 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	
(m³/h)	(l/s)	A _k	0.0096	0.0215	0.0383	0.0598	0.0863	0.1174	0.1534	
50	13.9	V _k	1.4							
		X	0.9							
		P _t	1.5							
		NR	-							
60	16.7	V _k	1.7							
		X	1.1							
		P _t	2.1							
		NR	9							
70	19.4	V _k	2.0	0.9						
		X	1.2	0.8						
		P _t	2.9	0.6						
		NR	13	-						
80	22.2	V _k	2.3	1.0						
		X	1.4	0.9						
		P _t	3.8	0.7						
		NR	16	-						
90	25.0	V _k	2.6	1.2						
		X	1.6	1.1						
		P _t	4.7	0.9						
		NR	19	-						
100	27.8	V _k	2.9	1.3						
		X	1.8	1.2						
		P _t	5.9	1.2						
		NR	22	5						
120	33.3	V _k	3.5	1.6	0.9					
		X	2.1	1.4	1.1					
		P _t	8.4	1.7	0.5					
		NR	26	9	-					
140	38.9	V _k	4.1	1.8	1.0					
		X	2.5	1.6	1.2					
		P _t	11.5	2.3	0.7					
		NR	30	13	-					
160	44.4	V _k	4.6	2.1	1.2					
		X	2.8	1.9	1.4					
		P _t	15.0	3.0	0.9					
		NR	33	16	-					
180	50.0	V _k	5.2	2.3	1.3					
		X	3.2	2.1	1.6					
		P _t	19.0	3.8	1.2					
		NR	36	19	7					
200	55.6	V _k	5.8	2.6	1.5	0.9				
		X	3.5	2.3	1.8	1.4				
		P _t	23.4	4.7	1.5	0.6				
		NR	39	22	10	-				
250	69.4	V _k	7.2	3.2	1.8	1.2	0.8			
		X	4.4	2.9	2.2	1.8	1.5			
		P _t	36.6	7.3	2.3	0.9	0.5			
		NR	44	28	15	6	-			
300	83.3	V _k		3.9	2.2	1.4	1.0			
		X		3.5	2.6	2.1	1.8			
		P _t		10.5	3.3	1.4	0.7			
		NR		32	20	11	-			

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	0.0096	0.0215	0.0383	0.0598	0.0863	0.1174	0.1534	
350	97.2	V _k		4.5	2.5	1.6	1.1	0.8		
		X		4.1	3.1	2.5	2.0	1.8		
		P _t		14.3	4.5	1.9	0.9	0.5		
		NR		36	24	15	7	-		
400	111.1	V _k		5.2	2.9	1.9	1.3	0.9		
		X		4.7	3.5	2.8	2.3	2.0		
		P _t		18.7	5.9	2.4	1.2	0.6		
		NR		39	27	18	10	-		
500	138.9	V _k		6.5	3.6	2.3	1.6	1.2	0.9	
		X		5.8	4.4	3.5	2.9	2.5	2.2	
		P _t		29.2	9.2	3.8	1.8	1.0	0.6	
		NR		45	33	23	16	9	-	
600	166.7	V _k			4.4	2.8	1.9	1.4	1.1	
		X			5.3	4.2	3.5	3.0	2.6	
		P _t			13.3	5.4	2.6	1.4	0.8	
		NR			37	28	20	14	8	
700	194.4	V _k			5.1	3.3	2.3	1.7	1.3	
		X			6.1	4.9	4.1	3.5	3.1	
		P _t			18.0	7.4	3.6	1.9	1.1	
		NR			41	32	24	18	12	
800	222.2	V _k			5.8	3.7	2.6	1.9	1.4	
		X			7.0	5.6	4.7	4.0	3.5	
		P _t			23.6	9.7	4.6	2.5	1.5	
		NR			44	35	27	21	15	
900	250.0	V _k			6.5	4.2	2.9	2.1	1.6	
		X			7.9	6.3	5.3	4.5	3.9	
		P _t			29.8	12.2	5.9	3.2	1.9	
		NR			47	38	30	24	18	
1000	277.8	V _k				4.6	3.2	2.4	1.8	
		X				7.0	5.8	5.0	4.4	
		P _t				15.1	7.3	3.9	2.3	
		NR				41	33	26	21	
1200	333.3	V _k				5.6	3.9	2.8	2.2	
		X				8.4	7.0	6.0	5.3	
		P _t				21.7	10.4	5.6	3.3	
		NR				45	37	31	25	
1400	388.9	V _k				6.5	4.5	3.3	2.5	
		X				9.8	8.2	7.0	6.1	
		P _t				29.6	14.2	7.7	4.5	
		NR				49	41	35	29	
1600	444.4	V _k					5.1	3.8	2.9	
		X					9.3	8.0	7.0	
		P _t					18.6	10.0	5.9	
		NR					44	38	33	
1800	500.0	V _k					5.8	4.3	3.3	
		X					10.5	9.0	7.9	
		P _t					23.5	12.7	7.4	
		NR					47	41	35	
2000	555.6	V _k					6.4	4.7	3.6	
		X					11.7	10.0	8.8	
		P _t					29.0	15.7	9.2	
		NR					50	44	38	

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

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 160	Flow rate		Dim	150 x 150	225 x 225	300 x 300	375 x 375	450 x 450	525 x 525	600 x 160	
(m ³ /h)	(l/s)	A _k	0.0109	0.0244	0.0435	0.0679	0.0978	0.1331	0.1739	(m ³ /h)	(l/s)	A _k	0.0109	0.0244	0.0435	0.0679	0.0978	0.1331	0.1739	
100	27.8	V _k	2.5	1.1						700	194.4	V _k		8.0	4.5	2.9	2.0	1.5	1.1	
		X	0.5	0.3										2.3	1.7	1.4	1.2	1.0	0.9	
		P _t	4.5	0.9											44.5	14.0	5.7	2.8	1.5	0.9
		NR	18	-											49	37	28	21	15	9
120	33.3	V _k	3.1	1.4						800	222.2	V _k			5.1	3.3	2.3	1.7	1.3	
		X	0.6	0.4											2.0	1.6	1.3	1.1	1.0	
		P _t	6.5	1.3											18.3	7.5	3.6	2.0	1.1	
		NR	22	6											41	32	24	18	12	
140	38.9	V _k	3.6	1.6						900	250.0	V _k			5.7	3.7	2.6	1.9	1.4	
		X	0.7	0.5											2.2	1.8	1.5	1.3	1.1	
		P _t	8.9	1.8											23.1	9.5	4.6	2.5	1.4	
		NR	26	9											44	35	27	21	15	
160	44.4	V _k	4.1	1.8	1.0					1000	277.8	V _k			6.4	4.1	2.8	2.1	1.6	
		X	0.8	0.5	0.4										2.5	2.0	1.7	1.4	1.2	
		P _t	11.6	2.3	0.7										28.5	11.7	5.6	3.0	1.8	
		NR	29	13	-										46	37	30	23	18	
180	50.0	V _k	4.6	2.0	1.1					1200	333.3	V _k			7.7	4.9	3.4	2.5	1.9	
		X	0.9	0.6	0.4										3.0	2.4	2.0	1.7	1.5	
		P _t	14.7	2.9	0.9										41.1	16.9	8.1	4.4	2.6	
		NR	32	16	-										51	42	34	28	23	
200	55.6	V _k	5.1	2.3	1.3					1400	388.9	V _k				5.7	4.0	2.9	2.2	
		X	1.0	0.7	0.5										2.8	2.3	2.0	1.7		
		P _t	18.2	3.6	1.1										23	11.1	6.0	3.5		
		NR	35	18	6										46	38	32	26		
250	69.4	V _k	6.4	2.8	1.6	1.0				1600	444.4	V _k				6.5	4.5	3.3	2.6	
		X	1.2	0.8	0.6	0.5									3.2	2.7	2.3	2.0		
		P _t	28.4	5.7	1.8	0.7									30	14.5	7.8	4.6		
		NR	40	24	12	-									49	41	35	30		
300	83.3	V _k	7.6	3.4	1.9	1.2				1800	500.0	V _k				7.4	5.1	3.8	2.9	
		X	1.5	1.0	0.7	0.6									3.6	3.0	2.6	2.2		
		P _t	40.9	8.2	2.6	1.1									38	18.3	9.9	5.8		
		NR	45	28	16	7									52	44	38	33		
350	97.2	V _k	8.9	4.0	2.2	1.4	1.0			2000	555.6	V _k					5.7	4.2	3.2	
		X	1.7	1.2	0.9	0.7	0.6								3.3	2.9	2.5			
		P _t	55.7	11.1	3.5	1.4	0.7								22.6	12.2	7.1			
		NR	49	32	20	11	-								47	41	35			
400	111.1	V _k		4.6	2.6	1.6	1.1			2500	694.4	V _k					7.1	5.2	4.0	
		X		1.3	1.0	0.8	0.7								4.2	3.6	3.1			
		P _t		14.5	4.6	1.9	0.9								35.3	19.1	11.2			
		NR		35	24	15	7								52	46	41			
450	125.0	V _k		5.1	2.9	1.8	1.3			3000	833.3	V _k						6.3	4.8	
		X		1.5	1.1	0.9	0.7								4.3	3.7				
		P _t		18.4	5.8	2.4	1.1								27.4	16.1				
		NR		38	27	17	10								51	45				
500	138.9	V _k		5.7	3.2	2.0	1.4			3500	972.2	V _k						7.3	5.6	
		X		1.7	1.2	1.0	0.8								5	4.4				
		P _t		22.7	7.1	2.9	1.4								37.3	21.9				
		NR		41	29	20	13								54	49				
600	166.7	V _k		6.8	3.8	2.5	1.7	1.3		4000	1111.1	V _k						8.3	6.4	
		X		2.0	1.5	1.2	1.0	0.9							5.7	5.0				
		P _t		32.7	10.3	4.2	2.0	1.1							48.8	28.6				
		NR		45	34	25	17	11							58	52				

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