

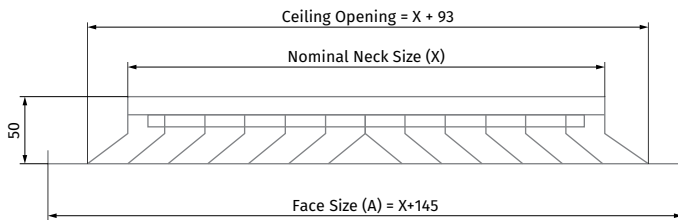
# Supply Air Ceiling Grilles



## Overall Dimensions

Nominal Neck Metric (x)	Face Size ( A )
150x150 mm	295x295 mm
225x225 mm	370x370 mm
300x300 mm	445x445 mm
375x375 mm	520x520 mm
450x450 mm	595x595 mm

The first number is for horizontal dimension and the second number is for vertical dimension  
Grilles are powder coated white as standard



**Quick Selection Table**

Flow rate (m <sup>3</sup> /h) (l/s)	Dim A <sub>k</sub>	150×150 0.0109	225×225 0.0244	300×300 0.0435	375×375 0.0679	450×450 0.0978	525×525 0.1331	600×600 0.1739
100 27.8	V <sub>k</sub>	2.5	1.1					
	X	0.5	0.3					
	P <sub>t</sub>	4.5	0.9					
	NR	18	-					
120 33.3	V <sub>k</sub>	3.1	1.4					
	X	0.6	0.4					
	P <sub>t</sub>	6.5	1.3					
	NR	22	6					
140 38.9	V <sub>k</sub>	3.6	1.6					
	X	0.7	0.5					
	P <sub>t</sub>	8.9	1.8					
	NR	26	9					
160 44.4	V <sub>k</sub>	4.1	1.8	1.0				
	X	0.8	0.5	0.4				
	P <sub>t</sub>	11.6	2.3	0.7				
	NR	29	13	-				
180 50.0	V <sub>k</sub>	4.6	2.0	1.1				
	X	0.9	0.6	0.4				
	P <sub>t</sub>	14.7	2.9	0.9				
	NR	32	16	-				
200 55.6	V <sub>k</sub>	5.1	2.3	1.3				
	X	1.0	0.7	0.5				
	P <sub>t</sub>	18.2	3.6	1.1				
	NR	35	18	6				
250 69.4	V <sub>k</sub>	6.4	2.8	1.6	1.0			
	X	1.2	0.8	0.6	0.5			
	P <sub>t</sub>	28.4	5.7	1.8	0.7			
	NR	40	24	12	-			
300 83.3	V <sub>k</sub>	7.6	3.4	1.9	1.2			
	X	1.5	1.0	0.7	0.6			
	P <sub>t</sub>	40.9	8.2	2.6	1.1			
	NR	45	28	16	7			
350 97.2	V <sub>k</sub>	8.9	4.0	2.2	1.4	1.0		
	X	1.7	1.2	0.9	0.7	0.6		
	P <sub>t</sub>	55.7	11.1	3.5	1.4	0.7		
	NR	49	32	20	11	-		
400 111.1	V <sub>k</sub>		4.6	2.6	1.6	1.1		
	X		1.3	1.0	0.8	0.7		
	P <sub>t</sub>		14.5	4.6	1.9	0.9		
	NR		35	24	15	7		
450 125.0	V <sub>k</sub>		5.1	2.9	1.8	1.3		
	X		1.5	1.1	0.9	0.7		
	P <sub>t</sub>		18.4	5.8	2.4	1.1		
	NR		38	27	17	10		
500 138.9	V <sub>k</sub>		5.7	3.2	2.0	1.4		
	X		1.7	1.2	1.0	0.8		
	P <sub>t</sub>		22.7	7.1	2.9	1.4		
	NR		41	29	20	13		
600 166.7	V <sub>k</sub>		6.8	3.8	2.5	1.7	1.3	
	X		2.0	1.5	1.2	1.0	0.9	
	P <sub>t</sub>		32.7	10.3	4.2	2.0	1.1	
	NR		45	34	25	17	11	

Flow rate (m <sup>3</sup> /h) (l/s)	Dim A <sub>k</sub>	150×150 0.0109	225×225 0.0244	300×300 0.0435	375×375 0.0679	450×450 0.0978	525×525 0.1331	600×600 0.1739
700 194.4	V <sub>k</sub>		8.0	4.5	2.9	2.0	1.5	1.1
	X		2.3	1.7	1.4	1.2	1.0	0.9
	P <sub>t</sub>		44.5	14.0	5.7	2.8	1.5	0.9
	NR		49	37	28	21	15	9
800 222.2	V <sub>k</sub>			5.1	3.3	2.3	1.7	1.3
	X			2.0	1.6	1.3	1.1	1.0
	P <sub>t</sub>			18.3	7.5	3.6	2.0	1.1
	NR			41	32	24	18	12
900 250.0	V <sub>k</sub>			5.7	3.7	2.6	1.9	1.4
	X			2.2	1.8	1.5	1.3	1.1
	P <sub>t</sub>			23.1	9.5	4.6	2.5	1.4
	NR			44	35	27	21	15
1000 277.8	V <sub>k</sub>			6.4	4.1	2.8	2.1	1.6
	X			2.5	2.0	1.7	1.4	1.2
	P <sub>t</sub>			28.5	11.7	5.6	3.0	1.8
	NR			46	37	30	23	18
1200 333.3	V <sub>k</sub>			7.7	4.9	3.4	2.5	1.9
	X			3.0	2.4	2.0	1.7	1.5
	P <sub>t</sub>			41.1	16.9	8.1	4.4	2.6
	NR			51	42	34	28	23
1400 388.9	V <sub>k</sub>				5.7	4.0	2.9	2.2
	X				2.8	2.3	2.0	1.7
	P <sub>t</sub>				23	11.1	6.0	3.5
	NR				46	38	32	26
1600 444.4	V <sub>k</sub>				6.5	4.5	3.3	2.6
	X				3.2	2.7	2.3	2.0
	P <sub>t</sub>				30	14.5	7.8	4.6
	NR				49	41	35	30
1800 500.0	V <sub>k</sub>				7.4	5.1	3.8	2.9
	X				3.6	3.0	2.6	2.2
	P <sub>t</sub>				38	18.3	9.9	5.8
	NR				52	44	38	33
2000 555.6	V <sub>k</sub>					5.7	4.2	3.2
	X					3.3	2.9	2.5
	P <sub>t</sub>					22.6	12.2	7.1
	NR					47	41	35
2500 694.4	V <sub>k</sub>					7.1	5.2	4.0
	X					4.2	3.6	3.1
	P <sub>t</sub>					35.3	19.1	11.2
	NR					52	46	41
3000 833.3	V <sub>k</sub>						6.3	4.8
	X						4.3	3.7
	P <sub>t</sub>						27.4	16.1
	NR						51	45
3500 972.2	V <sub>k</sub>						7.3	5.6
	X						5	4.4
	P <sub>t</sub>						37.3	21.9
	NR						54	49
4000 1111.1	V <sub>k</sub>						8.3	6.4
	X						5.7	5.0
	P <sub>t</sub>						48.8	28.6
	NR						58	52

**SYMBOLS:**

- A<sub>k</sub> – Effective area
- V<sub>k</sub> – Effective velocity in m/s
- X – Throw in metres correspond to a terminal velocity in occupied zone of 0.25 m/s
- Pressure (P<sub>t</sub>) – All pressures are in Pa (N/m<sup>2</sup>)
- NR – Noise level index in dB based on a room absorption and one diffuser