

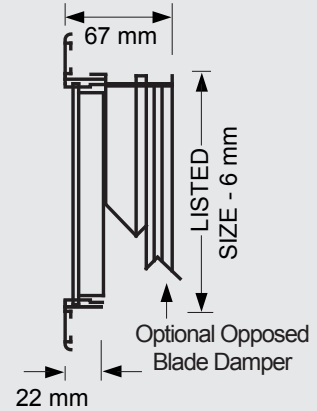
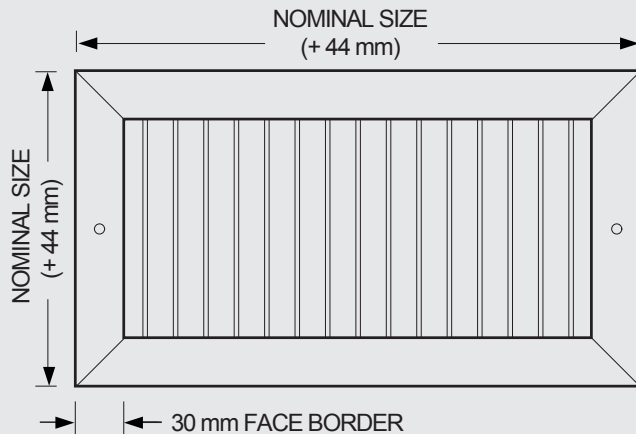


PSDG

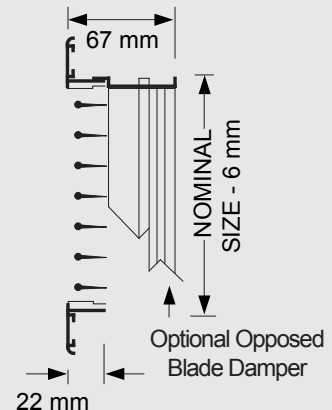
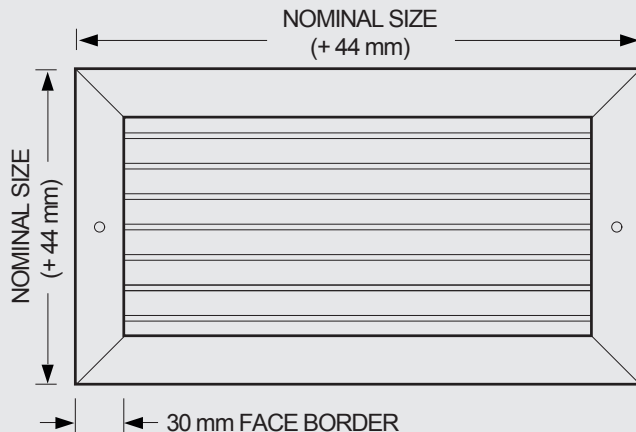
- > Single Deflection Grille
- > Adjustable Air Pattern
- > Vertical/Horizontal

DESCRIPTION	CONSTRUCTION	MODELS
<p>Single Deflection Grilles are recommended for applications requiring pattern adjustment in a single horizontal or vertical plane.</p> <p>They are generally used in a high side wall application where vertical blades will control the spread and throw distance. Horizontal blades will control the rise and drop of the air pattern.</p>	<p>Extruded aluminium frame and blades.</p> <p>Finish: White polyester powder finish RAL 9010 semi-gloss is standard. <i>Other finishes are available.</i></p> <p>Options:</p> <ul style="list-style-type: none"> • Aluminium integral damper • Narrow frame (25 mm) • Concealed mounting 	<p>PSDG-V: Vertical Blades</p> <p>PSDG-H: Horizontal Blades</p>
<p>NOTES</p> <p>Standard sizes are available from 100mm x 100mm to 1200mm x 1200mm. <i>(Other sizes are available on request).</i> Mullions are fitted on grille widths over 450mm.</p>		

PSDG-V – Vertical



PSDG-H – Horizontal



PSDG - SELECTION DATA

SELECTION DATA													
100 mm Height													
Air Volume (m³/s)		0.020	0.025	0.030	0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	
Width	250	T	2.1	2.7	3.3	4.3	5.3						
		Pa	2	2	3	7	11						
		dB(A)	-	-	-	11	18						
	350	T		2.2	2.7	3.6	4.5	5.3	6.3	7.3			
		Pa		1	2	3	4	6	9	11			
		dB(A)		-	-	-	8	14	18	22			
	450	T				3.1	3.7	4.7	5.4	6.1	7.8		
		Pa				2	2	4	5	6	12		
		dB(A)				-	-	8	13	15	22		
	550	T				2.7	3.5	4.3	4.9	5.6	7	8.8	
		Pa				1	2	2	3	4	7	12	
		dB(A)				-	-	-	7	12	16	22	
	650	T					3.2	3.8	4.5	5.2	6.4	8	9.7
		Pa					1	2	2	3	5	7	10
		dB(A)					-	-	-	8	13	19	23

SELECTION DATA													
150 mm Height													
Air Volume (m³/s)		0.040	0.050	0.060	0.070	0.080	0.100	0.125	0.150	0.200	0.300	0.400	
Width	250	T	3.2	4	4.8	5.6	6.4	8.1					
		Pa	2	3	4	6	7	11					
		dB(A)	-	5	12	13	17	23					
	350	T		3.3	4	4.6	5.4	6.6	8.3	9.9			
		Pa		1	2	3	3	5	8	12			
		dB(A)		-	-	-	8	16	20	26			
	450	T			3.4	4.1	4.6	5.7	7.2	8.6	11.1		
		Pa			1	1	2	3	5	7	12		
		dB(A)			-	-	-	8	14	20	26		
	550	T					4.1	5.2	6.4	7.7	10.3		
		Pa					1	2	3	5	8		
		dB(A)					-	-	9	14	22		
	650	T						4.7	5.9	7.2	9.4	14.1	
		Pa						1	2	3	5	12	
		dB(A)						-	5	10	17	29	
	850	T							5.1	6.2	8.2	12.3	16.3
		Pa							1	2	3	7	12
		dB(A)							-	-	11	22	31
1050	T								5.5	7.3	11	14.6	
	Pa								1	2	5	8	
	dB(A)								-	8	17	27	

KEY INFORMATION

Throw based on diffuser installed in a standard dropped ceiling.

T = Throw in metres (m)

Pa = Static Pressure Drop

dB(A) = Sound Pressure Level

SELECTION DATA													
250 mm Height													
Air Volume (m³/s)		0.150	0.200	0.300	0.400	0.500	0.600	0.700	0.800	1.000			
Width	450	T	6.2	8.4	12.6								
		Pa	2	3	7								
		dB(A)	5	11	23								
	550	T		5.6	7.5	11.2	14.5						
		Pa		1	2	5	9						
		dB(A)		-	7	16	25						
	650	T			6.8	10.2	13.6	17	20.3				
		Pa			1	3	6	9	13				
		dB(A)			-	14	22	27	32				
	850	T				8.9	11.8	14.7	17.7	20.7			
		Pa				2	3	5	9	10			
		dB(A)				8	15	21	27	30			
	1050	T					7.9	10.6	13.2	15.9	18.5	21.2	
		Pa					1	2	3	6	7	9	
		dB(A)					3	12	16	21	25	32	
	1250	T							12.1	14.5	16.9	19.3	24.5
		Pa							2	3	5	7	9
		dB(A)							12	17	21	25	32

SELECTION DATA												
350 mm Height												
Air Volume (m³/s)		0.300	0.400	0.500	0.600	0.700	0.800	1.000				
Width	650	T	8.4	11.3	14	16.8	19.6	22.4				
		Pa	2	3	4	6	8	11				
		dB(A)	6	12	19	24	30	31				
	850	T			12.2	14.6	17	19.6	24.3			
		Pa			2	3	5	6	10			
		dB(A)			13	18	21	25	32			
	1050	T				10.9	13.1	15.3	17.5	21.8		
		Pa				2	2	3	4	7		
		dB(A)				8	13	18	20	26		
	1250	T					10	11.9	13.9	15.8	19.9	
		Pa					1	2	2	3	4	
		dB(A)					-	8	13	16	23	

SELECTION DATA												
450 mm Height												
Air Volume (m³/s)		0.500	0.600	0.700	0.800	1.000						
Width	650	T	12.2	14.4	17.1	19.5	24.4					
		Pa	2	4	5	6	10					
		dB(A)	13	18	24	25	32					
	850	T		10.6	12.7	14.8	16.9	21.2				
		Pa		1	2	3	4	6				
		dB(A)		7	11	16	19	25				
	1050	T			11.4	13.3	15.2	18.8				
		Pa			1	3	2	4				
		dB(A)			7	11	14	20				
	1250	T				12.2	13.8	17.3				
		Pa				1	2	2				
		dB(A)				7	10	14				