



### General Description:

The Airmax central air conditioning double & single deflection grilles are purpose designed for first- class performance in supply or return air system.

- The front set of blade can be supplied in either a horizontal or vertical orientation, on double deflection grilles the rear blades are fixed in the opposite orientation to the front set.
- Special grille types include a hinged filter assembly and curved grille suitable for circular duct installation.
- Accessories include an opposed blade damper, finished in matt RAL 9005 black color.
- As standard the grille is supplied in either off white RAL 9010 or white RAL 9016 polyester powder paint.
- Alternative colors are available on special request, at extra cost.

### Construction:

Frame: High quality extrude aluminum profile with 30 mm flange width as standard. 20, 24mm flange widths are optional.

Blades: Aerofoil blade from aluminum profiles.

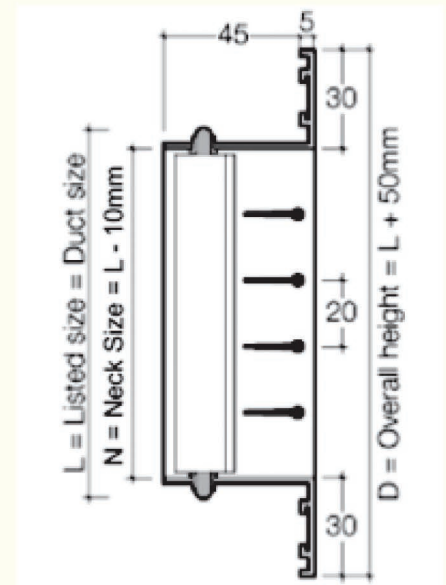
Blade Spacing: As standard all single or double deflection blade are set on a pitch of 20 mm and blades are manually adjusted. To ensure smooth operation and easy setting each blade is mounted in nylon bushes.

Fixing: Standard installation method is by front screw fixing or with concealed spring clips.



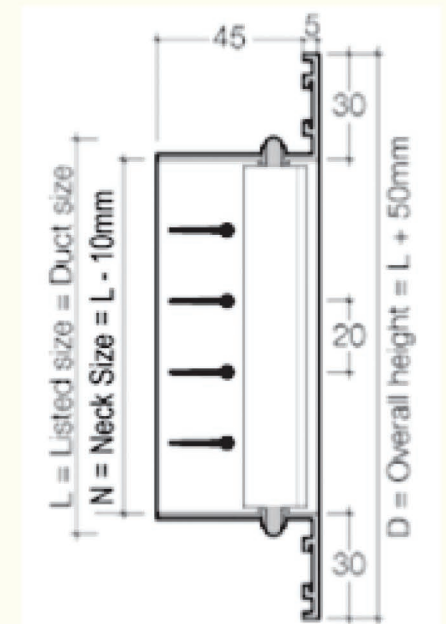
### DOUBLE DEFLECTION REGISTER

Model: SH-AG



- Horizontal front face blade
- Vertical rear blades
- If the grill width more than 500mm, a mullion will be fixed at the center and for widths of one meter and above, the number of mullions will be two or more.

Model: SV-AG



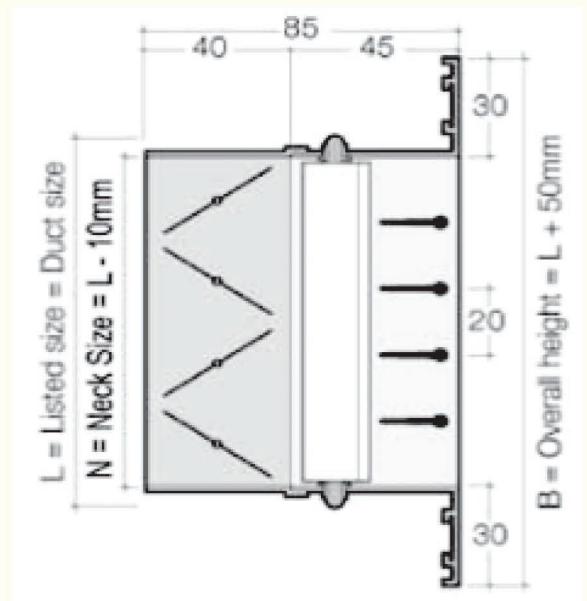
- Vertical front face blade
- Horizontal rear blades
- If the grill width more than 500mm, a mullion will be fixed at the center and for widths of one meter and above, the number of mullions will be two or more.





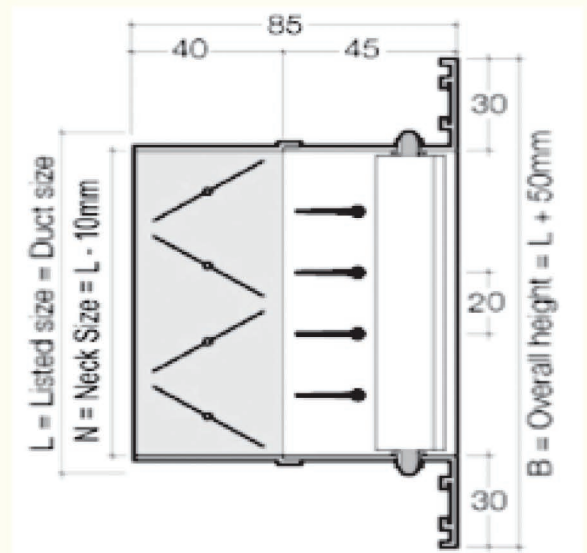
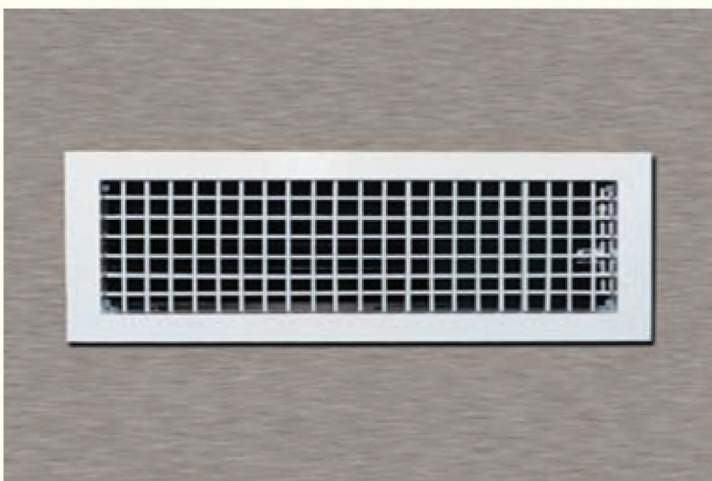
### DOUBLE DEFLECTION REGISTER

Model: SHD-AG



- Horizontal front face blade with damper
- Vertical rear blades
- If the grill width more than 500mm, a mullion will be fixed at the center and for widths of one meter and above, the number of mullions will be two or more.

Model: SVD-AG

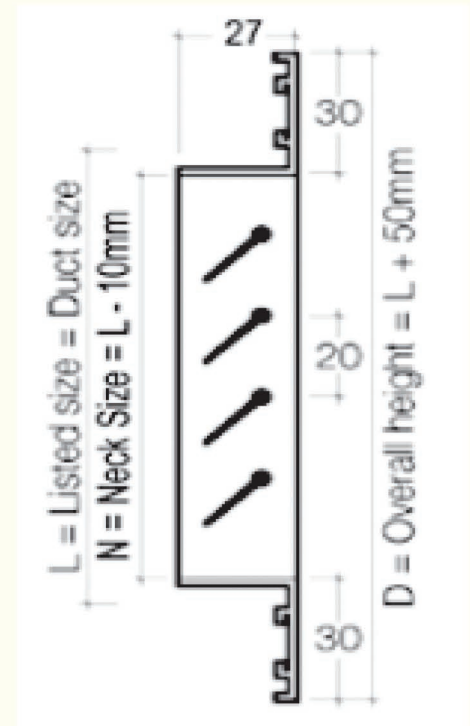


- Vertical front face blade with damper
- Horizontal rear blades
- If the grill width more than 500mm, a mullion will be fixed at the center and for widths of one meter and above, the number of mullions will be two or more



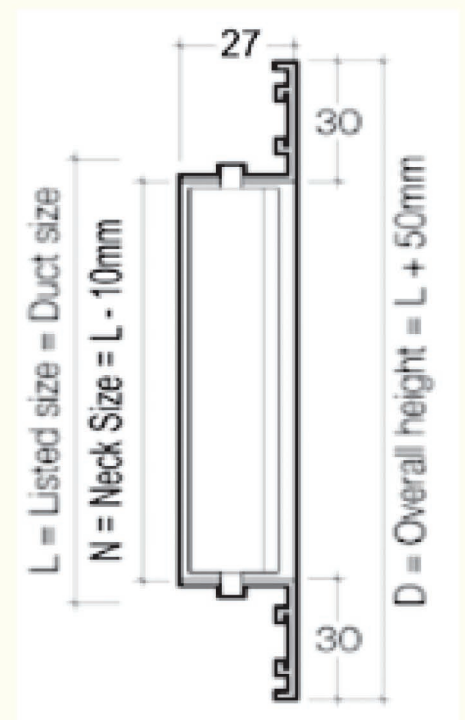
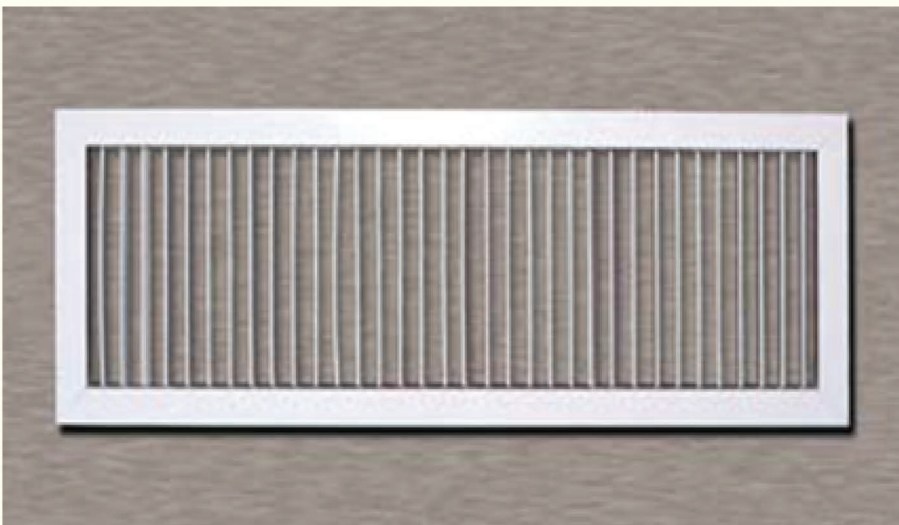
### RETURN AIR GRILLE

Model: RH-AG



- Fixed Horizontal blades at  $45^\circ$  angle as standard
- Screw or concealed fixing option.
- If the grill width more than 500mm, a mullion will be fixed at the center and for widths of one meter and above, the number of mullions will be two or more

Model: RV-AG



- Fixed vertical blades at  $45^\circ$  angle as standard
- Screw or concealed fixing option.

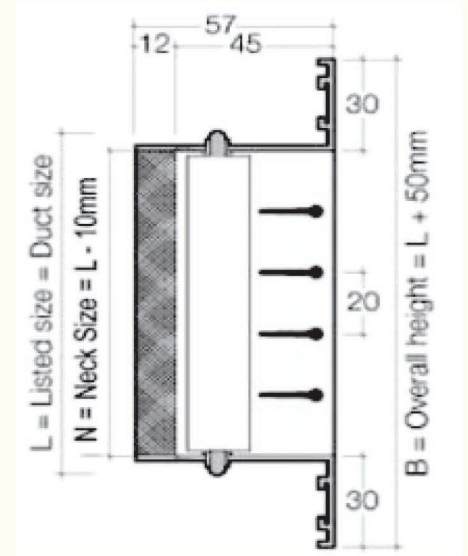
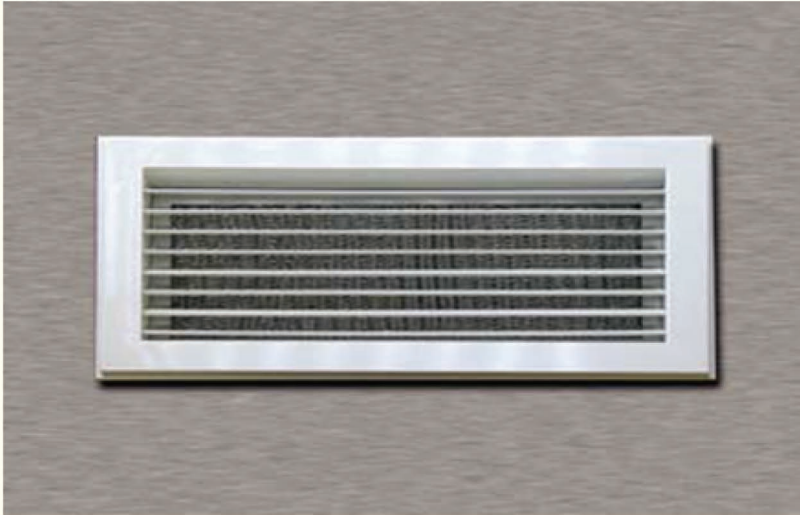
Note: Return Air Register or Return Air Grille available with opposed blade dampers.





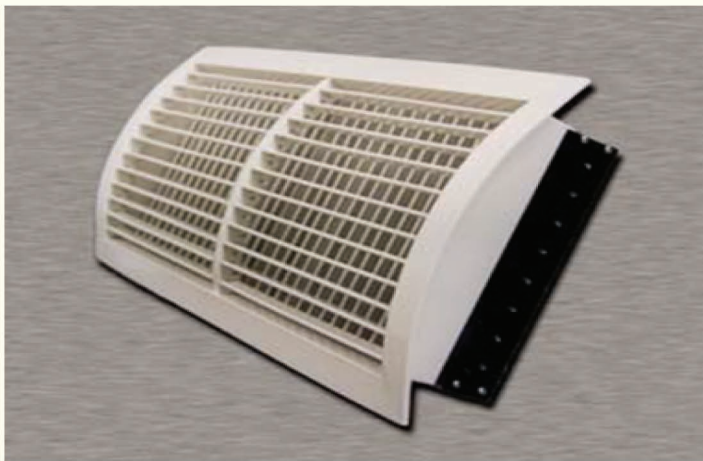
### FRESH AIR GRILLE

#### Model: SH-F-AG



- Double frame of grille & filter
- Fixed front face blades
- Grille frame is hinged with filter frame.
- Removable and washable aluminium media filter.

#### Model: SC-AG



- Single and Double deflection blades
- Both horizontal and vertical front facing blades
- Normal opposed blade bapers are optional.
- Fixing Screw or concealed spring clips



### STANDARD SIZES & AIR FLOW DATA RATING WITH 0° & 45° DEFLECTION

CFM M <sup>3</sup> /sec	Listed Size in mm x mm	200 x 100		250 x 100 200 x 125 150 x 150		200 x 150 250 x 125 300 x 100		250 x 150 300 x 125 400 x 100		300 x 150 350 x 125 450 x 100	
		Area factor	Deflection	0°	45°	0°	45°	0°	45°	0°	45°
100 0.0472	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	2.47 0.43 4.2-5.4 15	5.08 1.45 2.7-4.8 19	2.37 0.35 3.9-5.5 <15	4.63 1.22 3.0-4.9 16	2.21 0.33 3.9-5.2 <15	4.18 1.04 3.0-4.9 <15	1.92 0.23 4.0-5.2 <15	3.32 0.69 2.7-4.6 <15		
150 0.0708	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	3.71 0.99 4.9-6.4 18	7.61 3.23 3.6-5.8 24	3.56 0.78 4.6-6.1 16	6.94 2.72 3.7-5.5 21	3.31 0.74 4.3-6.1 <15	6.27 2.31 3.7-5.2 16	2.87 0.53 4.3-6.1 <15	4.98 1.55 3.4-5.2 <15	2.63 0.46 4.0-5.8 <15	4.19 1.07 3.4-4.9 <15
200 0.0945	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	4.95 1.77 5.2-7.3 21	10.16 5.76 4.3-6.4 28	4.75 1.39 5.2-7.0 19	9.26 4.88 4.3-6.1 25	4.42 1.3 4.9-7.0 17	8.36 4.12 3.9-6.1 24	3.84 0.94 4.9-6.7 15	6.65 2.77 4.0-5.8 20	3.51 0.81 4.6-6.7 <15	5.59 1.88 4.0-5.8 15
250 0.1181	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	6.18 2.76 5.8-7.9 28	12.69 9.02 4.8-7.0 35	5.93 2.18 5.8-7.9 27	11.58 7.62 4.9-7.0 32	5.52 2.0 5.5-7.6 24	10.45 6.45 4.9-6.7 31	4.80 1.45 5.4-7.6 21	8.32 4.32 4.6-6.7 27	4.39 1.24 5.2-7.6 17	6.988 2.95 4.6-6.7 23
300 0.1417	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	7.42 3.96 5.8-8.2 34	15.24 13.21 5.2-7.3 40	7.12 3.15 5.8-8.2 31	13.89 10.92 5.2-7.3 38	6.62 2.9 5.8-8.2 28	12.54 9.27 5.2-7.3 36	5.76 2.1 5.8-8.2 26	9.98 6.22 5.2-7.3 33	5.27 1.8 5.8-8.2 23	8.38 4.24 5.2-7.3 30
350 0.1653	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	8.65 5.38 7.0-9.8 37	17.77 17.53 5.8-8.2 45	8.31 4.32 6.7-9.5 35	16.21 14.98 5.8-8.2 42	7.72 3.9 6.7-9.5 32	14.63 12.57 5.4-7.9 39	6.72 2.87 6.4-9.2 30	11.64 8.51 5.4-7.9 37	6.14 2.46 6.4-9.1 28	9.78 5.77 5.4-7.9 35
400 0.1889	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C			9.49 5.61 7.6-10.4 38	18.52 19.56 6.7-9.1 45	8.83 5.13 7.3-10.4 36	16.72 16.51 6.4-8.8 42	7.68 3.76 7.0-10.1 34	13.30 11.05 6.1-8.5 40	7.022 3.2 6.7-9.8 32	11.18 7.52 6.1-8.5 38
450 0.2125	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C							8.64 4.72 7.3-10.7 39	14.96 13.97 6.7-9.1 43	7.899 4.06 7.0-10.4 36	12.57 9.53 6.4-8.8 42
500 0.2362	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C									8.78 5.00 7.3-10.9 40	13.97 11.74 6.7-7.4 45

- Face velocity is measured in m/sec.
- Total pressure loss in mm of H<sub>2</sub>O & Area factor in square meter.
- Throw(meters)is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.





### STANDARD SIZES & AIR FLOW DATA RATING WITH 0° & 45° DEFLECTION

CFM M <sup>3</sup> /sec	Listed Size in mm x mm	250 x 200 350 x 150 400 x 125 500 x 100		250 x 250 300 x 200 400 x 150 500 x 125 650 x 100		300 x 250 450 x 175 500 x 150 600 x 125 750 x 100		300 x 300 350 x 250 450 x 200 600 x 150		350 x 300 400 x 250 500 x 200 750 x 150	
		Area factor	Deflection	0°	45°	0°	45°	0°	45°	0°	45°
200 0.0945	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	3.38 0.64 4.5-6.7 <15	5.31 1.7 3.7-5.8 <15	2.91 0.36 4.5-6.7 <15	4.30 1.17 3.7-5.5 <15	2.42 0.23 4.6-6.7 <15	3.28 0.71 3.4-5.5 <15	2.0 0.15 4.6-6.7 <15	2.56 0.41 3.1-5.5 <15		
250 0.1181	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	4.22 0.99 5.2-7.6 15	6.63 2.64 4.6-6.7 21	3.65 0.58 5.2-7.6 <15	5.37 1.83 4.3-6.7 18	3.03 0.36 5.2-7.6 <15	4.1 1.12 4.3-6.4 <15	2.52 0.23 5.2-7.6 <15	3.201 0.61 3.9-6.4 <15	2.24 0.18 5.2-7.3 <15	2.79 0.41 3.6-6.0 <15
300 0.1417	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	5.06 1.42 5.8-8.2 20	7.96 3.81 5.2-7.3 27	4.37 0.84 5.8-8.2 17	6.44 2.62 5.2-7.3 22	3.63 0.51 5.8-8.2 <15	4.92 1.6 4.8-7.3 19	3.02 0.33 5.8-8.2 <15	3.84 0.89 4.8-7.3 <15	2.68 0.25 5.5-7.9 <15	3.36 0.58 4.9-7.0 <15
400 0.1889	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	6.75 2.51 6.7-9.8 29	10.6 6.73 6.4-8.8 36	5.83 1.47 6.7-9.8 24	8.59 4.67 6.1-8.5 27	4.84 0.91 6.7-9.8 19	6.56 2.87 5.8-8.5 21	4.03 0.61 6.7-9.5 <15	5.19 1.6 5.8-8.2 17	3.58 0.46 6.7-9.5 <15	4.47 1.07 5.5-8.2 <15
500 0.2362	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	8.44 3.91 7.3-10.9 35	13.27 10.54 6.7-9.2 42	7.29 2.28 7.3-10.9 30	10.74 7.24 6.7-9.1 32	6.06 1.45 7.6-11.0 26	8.2 4.47 6.4-9.1 28	5.036 0.94 7.9-11.3 18	6.4 2.46 6.4-9.1 24	4.47 0.71 7.6-11.3 15	5.59 1.65 8.2-9.1 19
600 0.2834	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C			8.75 3.3 8.5-12.2 36	12.88 10.52 7.0-10.0 39	7.27 2.06 8.5-12.2 30	9.84 6.45 7.0-10.0 35	6.04 1.35 8.5-12.2 25	7.68 3.58 7.0-10.0 31	5.37 1.04 8.5-12.2 19	6.72 2.36 6.7-10.1 24
700 0.3307	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C					8.48 2.82 9.1-13.1 36	11.48 8.76 7.6-10.9 42	7.05 1.83 9.1-13.1 32	8.96 4.83 7.6-11.0 37	6.26 1.40 9.1-13.1 25	7.84 3.25 7.6-10.9 31
800 0.3778	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C							8.05 2.41 9.8-14.0 36	10.24 6.35 8.2-11.9 41	7.16 1.83 9.8-13.7 33	8.95 4.22 8.2-11.9 37
900 0.425	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C							9.06 3.05 10.0-14.6 40	11.52 8.0 8.5-12.5 45	8.05 2.31 10.0-14.6 36	10.07 5.3 8.4-12.5 41

- Face velocity is measured in m/sec.
- Total pressure loss in mm of H<sub>2</sub>O & Area factor in square meter.
- Throw(meters)is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.



### STANDARD SIZES & AIR FLOW DATA RATING WITH 0° & 45° DEFLECTION

CFM M <sup>3</sup> /sec	Listed Size in mm x mm	350 x 350 400 x 300 500 x 250 600 x 200 900 x 150		400 x 400 500 x 300 600 x 250 750 x 200		500 x 350 600 x 300 700 x 250 900 x 200 1200 x 150		450 x 450 500 x 400 800 x 250 1000 x 200	
		Area factor	Deflection	0°	45°	0°	45°	0°	45°
500 0.2362	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	3.73 0.48 7.3-10.9 <15	4.47 1.02 5.8-9.1 16	2.86 0.28 6.7-10.7 <15	3.28 0.45 5.5-9.1 <15	2.46 0.20 9.5-10.4 <15	2.77 0.31 5.2-9.1 <15	2.21 0.15 6.1-10.1 <15	2.43 0.23 4.9-8.8 <15
600 0.2834	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	4.47 0.71 8.2-11.9 16	5.36 1.45 6.4-10.1 20	3.43 0.41 7.6-11.6 <15	3.94 0.63 6.4-10.1 18	2.95 0.31 7.3-11.3 <15	3.32 0.43 6.1-10.1 15	2.65 0.23 7.0-10.7 <15	2.92 0.31 6.1-9.8 <15
700 0.3307	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	5.22 0.96 8.8-12.8 22	6.25 1.98 7.3-10.9 26	4.0 0.56 8.5-12.5 19	4.59 0.86 7.0-11.0 23	3.44 0.41 8.5-12.2 16	3.88 0.56 7.0-10.9 20	3.09 0.31 8.2-11.9 15	3.4 0.43 6.7-10.7 19
800 0.3778	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	5.97 1.27 9.8-13.4 30	7.14 2.59 8.2-11.9 32	4.57 0.71 9.5-13.1 26	5.25 1.14 7.9-10.6 28	3.93 0.53 9.5-13.1 21	4.43 0.74 7.9-11.6 25	3.53 0.38 9.1-12.5 20	3.89 0.56 7.6-11.3 24
900 0.425	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	6.71 1.60 10.1-14.6 33	8.03 3.25 8.5-12.5 36	5.14 0.91 10.1-14.3 30	5.9 1.45 8.5-12.2 33	4.42 0.68 10.1-14.0 25	4.98 0.94 8.5-12.2 30	3.98 0.48 9.8-13.7 24	4.38 0.71 8.2-12.2 29
1000 0.472	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	7.44 1.98 10.7-15 37	8.92 4.01 9.1-13 40	5.69 1.11 10.4-15 34	6.55 1.78 9.1-13.1 36	4.92 0.84 10.4-14.6 30	5.55 1.17 9.1-13.1 33	4.45 0.61 10.1-14.3 29	4.86 0.86 9.2-13.1 32
1100 0.519	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	8.18 2.39 10.9-16 40	9.81 4.88 9.8-14 45	6.25 1.35 10.7-15 36	7.21 2.16 9.8-14 40	5.41 1.02 10.7-15.0 33	6.11 1.42 9.8-14 36	4.89 0.74 10.4-14.9 32	5.35 1.07 9.8-14 35
1200 0.567	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C			6.83 1.60 11.3-16 38	7.87 2.54 10.4-15 43	5.91 1.22 11.3-15.9 36	6.67 1.68 10.4-14.9 40	5.35 1.0 11-15.2 35	5.84 1.24 10-14.8 39
1400 0.661	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C			7.96 2.18 12.2-17 44	9.18 3.51 11-15.5 49	6.88 1.65 12.2-16.8 41	7.77 2.28 10.9-15.2 44	6.23 1.19 11.6-16.2 40	6.81 1.73 10.4-15 43

- Face velocity is measured in m/sec.
- Total pressure loss in mm of H<sub>2</sub>O & Area factor in square meter.
- Throw(meters)is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.





### STANDARD SIZES & AIR FLOW DATA RATING WITH 0° & 45° DEFLECTION

CFM M <sup>3</sup> /sec	Listed Size in mm x mm	600 x 400 900 x 250 800 x 300 1200 x 200		800 x 350 900 x 300 1100 x 250 1400 x 200		600 x 600 900 x 400 1000 x 350 1200 x 300		750 x 600 900 x 500 1000 x 450 1500 x 300 1200 x 375		800 x 750 900 x 700 1000 x 600 1200 x 500		
		Area factor	Deflection	0.1352	0.1	0.162	0.1159	0.216	0.162	0.27	0.216	0.354
		0°	45°	0°	45°	0°	45°	0°	45°	0°	45°	
1100 0.519	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	3.84 0.64 9.8-14.3 30	5.19 0.98 9.2-13.2 33	3.20 0.59 9.2-13.6 28	4.48 0.84 8.6-12.8 29	2.4 0.52 8.8-13.0 25	3.2 0.76 8.1-11.3 27	1.92 0.42 7.0-9.1 20	2.4 0.62 6.2-8.3 24			
1200 0.567	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	4.19 0.87 10.3-14.8 32	5.67 1.09 9.8-14.0 35	3.5 0.69 9.7-14.3 30	4.89 0.92 9.1-13.2 32	2.63 0.58 9.3-13.8 27	3.5 0.81 8.4-11.9 29	2.1 0.48 7.5-10.8 24	2.63 0.71 6.8-9.4 26	1.6 0.38 6.3-9.2 20	1.97 0.51 5.7-8.1 22	
1400 0.661	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	4.89 0.93 10.8-15.4 35	6.61 1.51 10.2-14.6 38	4.08 0.76 10.1-15.0 33	5.7 1.21 9.7-13.8 35	3.06 0.63 9.7-14.3 30	4.08 0.98 8.8-11.3 32	2.45 0.51 8.1-11.3 27	3.06 0.79 7.3-10.1 29	1.87 0.43 6.8-10.1 23	2.29 0.58 6.1-8.8 25	
1600 0.756	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	5.59 1.03 11.5-16.9 38	7.56 1.82 10.8-15.1 40	4.67 0.84 10.6-15.4 36	6.52 1.43 10.1-14.5 37	3.5 0.71 10.1-14.8 33	4.82 1.12 9.3-12.1 34	2.8 0.63 8.8-12.1 29	3.5 0.91 7.9-10.7 31	2.13 0.51 7.3-10.9 25	2.63 0.64 6.7-9.2 28	
1800 0.85	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	6.29 1.32 12.6-18.2 41	8.5 2.24 11.4-17.3 44	5.25 0.97 11.8-16.7 39	7.33 1.73 10.7-15.3 41	3.94 0.82 10.9-16.1 36	5.32 1.34 9.8-14.1 37	3.15 0.72 10.1-14.2 31	3.94 1.13 8.2-12.2 33	2.4 0.58 7.9-11.6 28	2.95 0.78 7.1-9.8 31	
2000 0.945	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C	6.99 1.61 13.8-19.7 44	9.78 2.53 12.4-18.6 47	5.83 1.03 13.2-18.1 41	8.15 1.92 11.6-16.5 43	4.38 0.88 12.1-17.3 39	5.83 1.52 10.3-14.8 41	3.5 0.78 10.7-15.1 33	4.38 1.23 8.8-13.1 36	2.7 0.61 8.2-11.8 28	3.28 0.83 7.4-10.4 32	
2200 1.039	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C			6.41 1.16 14.3-19.5 44	8.96 2.42 12.4-17.7 47	4.81 0.95 12.8-18.1 41	6.41 1.82 10.9-15.7 44	3.85 0.83 11.2-16.4 35	4.81 1.45 9.3-13.8 39	2.94 0.72 8.9-13.0 30	3.61 0.93 8.1-11.3 33	
2400 1.134	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C					5.25 1.13 13.7-19.2 43	7.0 2.04 11.4-16.4 46	4.2 0.93 12.2-17.3 37	5.25 1.63 9.9-14.7 42	3.2 0.81 9.5-13.8 32	3.94 1.03 8.7-12.1 35	
2600 1.228	Face vel P <sub>t</sub> mm H <sub>2</sub> O Throw in (M) N.C					5.69 1.43 14.4-21.3 45	7.58 2.43 12.1-17.6 48	4.55 1.07 13.1-18.4 40	5.69 1.93 10.7-15.4 44	3.47 0.92 10.7-15.7 33	4.26 1.32 9.3-13.2 37	

- Face velocity is measured in m/sec.
- Total pressure loss in mm of H<sub>2</sub>O & Area factor in square meter.
- Throw(meters)is measured for a terminal velocities of 0.5 & 0.25 m/sec.
- NC based on a room attenuation of 10 dB.





### STANDARD SIZES & AIR FLOW FIXED HORIZONTAL BLADE AT 45° DEFLECTION

Listed size in mm x mm	Face vel m/sec.	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	P <sub>s</sub> mm H <sub>2</sub> O	0.91	1.63	2.54	3.68	4.97	6.5	8.33	10.16
250x100 / 200x125 150x150	CFM	60	80	100	120	140	160	180	200
	M <sup>3</sup> /sec.	0.0283	0.0378	0.0472	0.0567	0.0661	0.0756	0.085	0.0945
	NC	<15	16	24	27	31	36	41	46
200x150 / 250x125 300x100	CFM	81	108	135	162	189	216	243	270
	M <sup>3</sup> /sec.	0.0383	0.051	0.0638	0.765	0.0893	0.102	0.1148	0.1275
	NC	<15	16	24	27	31	36	41	46
250x150 / 300x125 400x100	CFM	102	136	170	204	238	272	306	340
	M <sup>3</sup> /sec.	0.0482	0.0642	0.0803	0.0964	0.1124	0.1285	0.1445	0.1606
	NC	<15	15	24	27	31	36	41	46
300x150 / 350x125 450x100	CFM	120	160	200	240	280	320	360	400
	M <sup>3</sup> /sec.	0.0567	0.0756	0.0945	0.1134	0.1322	0.1512	0.17	0.1889
	NC	<15	15	25	28	31	36	41	47
250x200 / 350x150 400x125 / 500x100	CFM	141	188	235	282	329	376	423	470
	M <sup>3</sup> /sec.	0.0666	0.088	0.1109	0.1332	0.1554	0.178	0.199	0.222
	NC	<15	16	24	27	31	35	40	47
250x250 / 300x200 400x150 / 500x125 600x100	CFM	162	216	270	324	378	432	486	540
	M <sup>3</sup> /sec.	0.0765	0.102	0.1275	0.153	0.1785	0.204	0.2295	0.255
	NC	<15	16	24	27	31	35	42	47
300x250 / 450x150 500x150 / 600x125 750x100	CFM	180	270	300	360	420	480	540	600
	M <sup>3</sup> /sec.	0.085	0.1133	0.142	0.17	0.198	0.2267	0.255	0.2833
	NC	<15	17	23	27	31	35	40	46
300x300 / 350x250 450x200 / 600x150	CFM	240	320	400	480	560	640	720	800
	M <sup>3</sup> /sec.	0.1133	0.151	0.1889	0.2267	0.2645	0.302	0.3401	0.3778
	NC	<15	18	23	27	31	35	40	47
350x300 / 400x250 500x200 / 750x150	CFM	300	400	500	600	700	800	900	1000
	M <sup>3</sup> /sec.	0.1416	0.1889	0.236	0.283	0.331	0.3778	0.425	0.4723
	NC	<15	19	23	27	32	36	40	48
350x350 / 400x300 500x250 / 600x200 900x150	CFM	360	480	600	720	840	960	1080	1200
	M <sup>3</sup> /sec.	0.17	0.2267	0.283	0.34	0.3967	0.453	0.51	0.5667
	NC	<15	21	24	27	32	36	40	48
400x350 / 550x250 700x200	CFM	420	560	700	840	980	1120	1260	1400
	M <sup>3</sup> /sec.	0.198	0.264	0.331	0.397	0.463	0.529	0.595	0.661
	NC	<15	21	24	28	33	37	41	49
400x400 / 500x300 600x250 / 800x200	CFM	480	640	800	960	1120	1280	1440	1600
	M <sup>3</sup> /sec.	0.2267	0.3023	0.3778	0.453	0.529	0.6046	0.68	0.7556
	NC	16	22	25	29	33	38	42	49
500x350/600x300 700x250/900x200 1000x150	CFM	540	720	900	1080	1260	1440	1620	1800
	M <sup>3</sup> /sec.	0.255	0.3401	0.4251	0.51	0.51	0.6801	0.765	0.85
	NC	17	22	25	29	34	42	43	50
450x450 / 500x400 750x250 1000x200	CFM	600	800	1000	1200	1400	1600	1800	2000
	M <sup>3</sup> /sec.	0.2834	0.3778	0.4723	0.5668	0.6612	0.7556	0.85	0.9446
	NC	18	23	26	30	35	43	41	50
500x500 / 550x450 750x300 / 900x250 1000x200	CFM	660	880	1100	1320	1540	1760	1980	2200
	M <sup>3</sup> /sec.	0.3117	0.4156	0.5195	0.6234	0.7273	0.8313	0.935	1.039
	NC	18	23	27	31	36	40	44	52

- Face velocity is measured in m/sec.
- P<sub>s</sub>: Static pressure loss in mm of H<sub>2</sub>O
- NC based on room attenuation of 10 dB





### STANDARD SIZES & AIR FLOW DATA RATING WITH 0° DEFLECTION

Listed size in	Face vel m/sec.	2.5	3.0	3.5	4.0	4.5	5.00	5.50	6.00
mm x mm	P <sub>s</sub> mm H <sub>2</sub> O	1.7	2.46	3.35	4.37	5.59	6.86	8.38	9.9
250x100 / 200x125 150x150	CFM M <sup>3</sup> /sec. NC	150 0.071 <15	180 0.085 19	210 0.099 22	240 0.113 25	270 0.127 29	300 0.142 33	330 0.156 36	360 0.17 38
200x150 / 250x125 300x100	CFM M <sup>3</sup> /sec. NC	180 0.085 <15	210 0.099 18	240 0.113 22	280 0.132 26	320 0.151 29	350 0.165 33	390 0.184 35	420 0.198 37
250x150 / 300x125 400x100	CFM M <sup>3</sup> /sec. NC	220 0.104 16	260 0.123 20	310 0.146 25	350 0.165 28	400 0.189 31	440 0.208 35	490 0.231 38	530 0.250 40
300x150 / 350x125 450x100	CFM M <sup>3</sup> /sec. NC	240 0.113 15	290 0.137 20	340 0.161 24	390 0.184 27	440 0.208 30	490 0.231 34	540 0.255 37	590 0.279 40
250x200 / 350x150 400x125 / 500x100	CFM M <sup>3</sup> /sec. NC	270 0.127 <15	320 0.151 17	370 0.165 21	420 0.198 24	480 0.227 28	530 0.25 31	590 0.279 35	640 0.302 38
250x250 / 300x200 400x150 / 500x125 600x100	CFM M <sup>3</sup> /sec. NC	310 0.146 15	370 0.165 19	430 0.203 23	490 0.231 26	550 0.259 30	610 0.288 34	680 0.321 36	740 0.349 39
300x250 / 450x150 500x150 / 600x125 750x100	CFM M <sup>3</sup> /sec. NC	360 0.17 15	440 0.208 20	510 0.241 24	580 0.274 27	660 0.312 31	730 0.345 34	810 0.382 37	800 0.416 39
300x300 / 350x250 450x200 / 600x150	CFM M <sup>3</sup> /sec. NC	420 0.198 <15	500 0.236 15	590 0.279 23	670 0.316 27	750 0.354 30	840 0.397 34	930 0.439 37	1020 0.482 40
350x300 / 400x250 500x200 / 750x150	CFM M <sup>3</sup> /sec. NC	450 0.213 <15	540 0.255 16	630 0.297 21	720 0.34 25	810 0.382 29	900 0.425 33	1000 0.472 37	1090 0.514 40
350x350 / 400x300 500x250 / 600x200 900x150	CFM M <sup>3</sup> /sec. NC	510 0.241 15	620 0.293 20	720 0.340 24	820 0.387 29	930 0.439 32	1030 0.486 37	1140 0.538 40	1240 0.586 43
400x400 / 500x300 600x250 / 800x200	CFM M <sup>3</sup> /sec. NC	580 0.274 15	700 0.331 20	820 0.387 25	940 0.444 30	1050 0.496 34	1170 0.553 38	1290 0.609 41	1400 0.661 44
500x350/600x300 700x250/900x200 1000x150	CFM M <sup>3</sup> /sec. NC	660 0.312 16	800 0.378 22	930 0.439 26	1060 0.501 32	1200 0.567 35	1330 0.628 39	1470 0.694 42	1600 0.756 45
450x450 / 500x400 750x250 1000x200	CFM M <sup>3</sup> /sec. NC	700 0.331 16	840 0.397 21	980 0.463 25	1120 0.529 30	1270 0.599 33	1400 0.661 35	1550 0.732 39	1690 0.798 43
500x500 / 550x450 750x300 / 900x250 1000x200	CFM M <sup>3</sup> /sec. NC	800 0.378 18	970 0.458 23	1130 0.533 27	1280 0.605 33	1440 0.68 38	1600 0.756 40	1770 0.836 43	1930 0.912 45

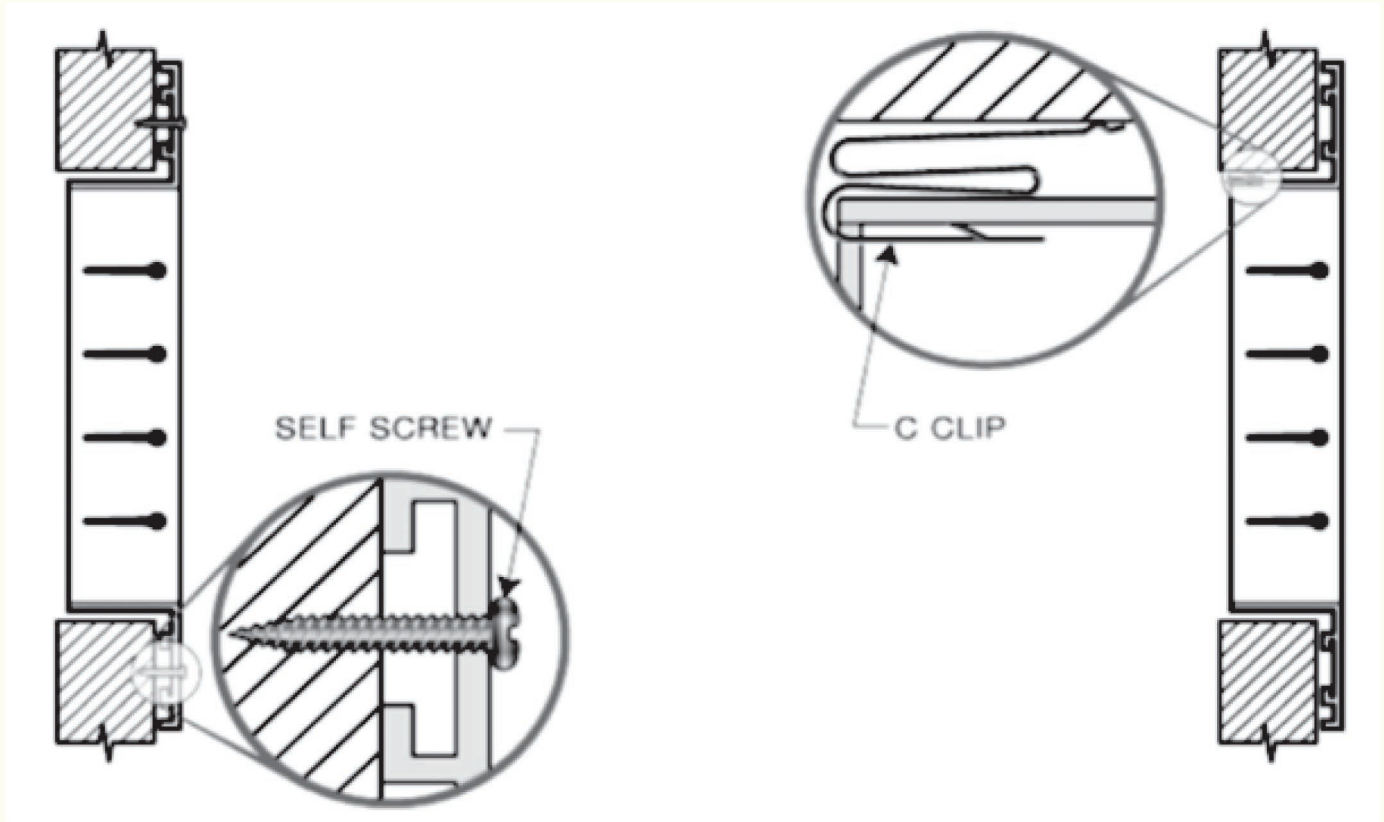
- Face velocity is measured in m/sec.
- P<sub>s</sub>: Static pressure loss in mm of H<sub>2</sub>O
- NC based on room attenuation of 10 dB



### FIXING DETAILS & HOW TO ORDER

#### Screw Fixing

#### Concealed Fixing



#### How to Order:

Model	Aerofoil Blade	Size	Front Blade Option	Fixing Method	Finish	Quantity
SH- AG	H= Front Horizontal	Neck Size	Fixed	Concealed fixing(CF)	A=RAL 9010 B=RAL 9016 C=RAL	Numbers
RV- AG	V=Front Vertical	(In mm)	Adjustable	Screw Fixing (SC)	Other Color	

#### Order Example:

To select supply air grille, front horizontal aerofoil blades of size 500 X 250 mm, Qty =50 Nos, with RAL – 9010 color finish

Ex: SH-AG -600 X 200 – 60 Nos