

# FRESH AIR LOUVER

**BALAJI**  **AIRVENT**  
P R O D U C T S

Model No. AVFAL



# FRESH AIR LOUVER

# FRESH AIR LOUVER

| Louver Height Inches | CFM = Face Velocity (FPM) X Free Area (Sq. Ft.) |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | Louver Height Inches |
|----------------------|-------------------------------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------|
|                      | 6                                               | 12   | 18   | 24    | 30    | 36    | 42    | 48    | 54    | 60    | 66    | 72    | 78    | 84    | 90    | 96    | 102   | 108   | 114   | 120   |                      |
| 6                    | 0.03                                            | 0.08 | 0.13 | 0.18  | 0.23  | 0.27  | 0.32  | 0.37  | 0.42  | 0.47  | 0.52  | 0.57  | 0.62  | 0.67  | 0.72  | 0.77  | 0.82  | 0.86  | 0.91  | 0.96  | 6                    |
| 12                   | 0.07                                            | 0.20 | 0.33 | 0.46  | 0.59  | 0.72  | 0.84  | 0.97  | 1.10  | 1.23  | 1.36  | 1.48  | 1.61  | 1.74  | 1.87  | 2.00  | 2.13  | 2.25  | 2.38  | 2.51  | 12                   |
| 18                   | 0.19                                            | 0.52 | 0.85 | 1.19  | 1.52  | 1.85  | 2.18  | 2.51  | 2.84  | 3.17  | 3.50  | 3.83  | 4.16  | 4.49  | 4.82  | 5.16  | 5.49  | 5.82  | 6.15  | 6.48  | 18                   |
| 24                   | 0.27                                            | 0.72 | 1.17 | 1.63  | 2.08  | 2.54  | 2.99  | 3.45  | 3.90  | 4.35  | 4.81  | 5.26  | 5.72  | 6.17  | 6.63  | 7.08  | 7.53  | 7.99  | 8.44  | 8.90  | 24                   |
| 30                   | 0.35                                            | 0.94 | 1.54 | 2.13  | 2.73  | 3.32  | 3.92  | 4.52  | 5.11  | 5.71  | 6.30  | 6.90  | 7.49  | 8.09  | 8.68  | 9.28  | 9.87  | 10.47 | 11.06 | 11.66 | 30                   |
| 36                   | 0.47                                            | 1.26 | 2.06 | 2.86  | 3.66  | 4.46  | 5.25  | 6.05  | 6.85  | 7.65  | 8.44  | 9.24  | 10.04 | 10.84 | 11.64 | 12.43 | 13.23 | 14.03 | 14.83 | 15.63 | 36                   |
| 42                   | 0.58                                            | 1.58 | 2.58 | 3.58  | 4.59  | 5.59  | 6.59  | 7.59  | 8.59  | 9.59  | 10.59 | 11.59 | 12.59 | 13.59 | 14.59 | 15.59 | 16.59 | 17.59 | 18.59 | 19.59 | 42                   |
| 48                   | 0.68                                            | 1.84 | 3.01 | 4.17  | 5.33  | 6.50  | 7.66  | 8.82  | 9.99  | 11.15 | 12.31 | 13.48 | 14.64 | 15.80 | 16.97 | 18.13 | 19.29 | 20.46 | 21.62 | 22.78 | 48                   |
| 54                   | 0.77                                            | 2.10 | 3.43 | 4.75  | 6.08  | 7.41  | 8.73  | 10.06 | 11.39 | 12.71 | 14.04 | 15.36 | 16.69 | 18.02 | 19.34 | 20.67 | 22.00 | 23.32 | 24.65 | 25.98 | 54                   |
| 60                   | 0.87                                            | 2.36 | 3.85 | 5.34  | 6.83  | 8.32  | 9.81  | 11.29 | 12.78 | 14.27 | 15.76 | 17.25 | 18.74 | 20.23 | 21.72 | 23.21 | 24.70 | 26.19 | 27.68 | 29.17 | 60                   |
| 66                   | 0.92                                            | 2.49 | 4.06 | 5.64  | 7.21  | 8.78  | 10.36 | 11.93 | 13.51 | 15.08 | 16.65 | 18.23 | 19.80 | 21.37 | 22.95 | 24.52 | 26.09 | 27.67 | 29.24 | 30.81 | 66                   |
| 72                   | 1.01                                            | 2.75 | 4.49 | 6.22  | 7.96  | 9.69  | 11.43 | 13.17 | 14.90 | 16.64 | 18.38 | 20.11 | 21.85 | 23.59 | 25.32 | 27.06 | 28.80 | 30.53 | 32.27 | 34.00 | 72                   |
| 78                   | 1.11                                            | 3.01 | 4.91 | 6.81  | 8.71  | 10.61 | 12.50 | 14.40 | 16.30 | 18.20 | 20.10 | 22.00 | 23.90 | 25.80 | 27.70 | 29.60 | 31.50 | 33.40 | 35.30 | 37.20 | 78                   |
| 84                   | 1.20                                            | 3.27 | 5.33 | 7.39  | 9.45  | 11.51 | 13.58 | 15.64 | 17.70 | 19.76 | 21.83 | 23.89 | 25.95 | 28.01 | 30.08 | 32.14 | 34.20 | 36.26 | 38.33 | 40.39 | 84                   |
| 90                   | 1.30                                            | 3.52 | 5.75 | 7.97  | 10.20 | 12.42 | 14.65 | 16.87 | 19.10 | 21.32 | 23.55 | 25.77 | 27.99 | 30.22 | 32.44 | 34.67 | 36.89 | 39.12 | 41.34 | 43.57 | 90                   |
| 96                   | 1.39                                            | 3.78 | 6.17 | 8.56  | 10.95 | 13.34 | 15.73 | 18.12 | 20.51 | 22.90 | 25.28 | 27.67 | 30.06 | 32.45 | 34.84 | 37.23 | 39.62 | 42.01 | 44.40 | 46.79 | 96                   |
| 102                  | 1.45                                            | 3.94 | 6.43 | 8.92  | 11.41 | 13.89 | 16.38 | 18.87 | 21.36 | 23.85 | 26.34 | 28.83 | 31.31 | 33.80 | 36.29 | 38.78 | 41.27 | 43.76 | 46.24 | 48.73 | 102                  |
| 108                  | 1.57                                            | 4.26 | 6.95 | 9.65  | 12.34 | 15.03 | 17.72 | 20.42 | 23.11 | 25.80 | 28.49 | 31.18 | 33.88 | 36.57 | 39.26 | 41.95 | 44.64 | 47.34 | 50.03 | 52.72 | 108                  |
| 114                  | 1.69                                            | 4.58 | 7.48 | 10.37 | 13.27 | 16.16 | 19.06 | 21.95 | 24.85 | 27.74 | 30.63 | 33.53 | 36.42 | 39.32 | 42.21 | 45.11 | 48.00 | 50.90 | 53.79 | 56.69 | 114                  |
| 120                  | 1.81                                            | 4.90 | 8.00 | 11.10 | 14.20 | 17.29 | 20.39 | 23.49 | 26.58 | 29.68 | 32.78 | 35.87 | 38.97 | 42.07 | 45.17 | 48.26 | 51.36 | 54.46 | 57.55 | 60.65 | 120                  |

## Construction:

- Frame and blade: High quality extruded aluminium profiles with 30 mm flange width.
- Blade pitch: 40 mm

## Description:

- Fresh air louvers are composed of frame and horizontal blade assembly, manufactured from high quality extruded aluminium profiles with the advantages of corrosion resistance and rigidity.
- Blades are fixed rigidly to the main frame using spacers and tie rods.
- Blades are set at angle of 45° to the horizontal with 40 mm spacing.

Structure provides around 45% effective pressure area.

