



Date: May 29, 2019

## Airflow Specifications for 4x12 Floor Luxe

| Area Factor (Ak) | Face Velocity     | 800   |     |     | 1000  |     |     | 1200  |     |     | 1400  |     |     | 1600  |     |     | 1800  |     |     | 2000  |     |     | 2200  |     |     | 2400  |     |     | 2600  |     |     |
|------------------|-------------------|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|-------|-----|-----|
|                  | Terminal Velocity | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 | 50    | 100 | 150 |
|                  | SP                | 0.010 |     |     | 0.025 |     |     | 0.048 |     |     | 0.078 |     |     | 0.115 |     |     | 0.159 |     |     | 0.210 |     |     | 0.268 |     |     | 0.334 |     |     | 0.406 |     |     |
| 0.058            | CFM               | 29    |     |     | 46    |     |     | 64    |     |     | 81    |     |     | 99    |     |     | 116   |     |     | 133   |     |     | 151   |     |     | 168   |     |     | 186   |     |     |
|                  | Throw             | 2     | <2  | 2   | 10    | 6   | 4   | 15    | 11  | 8   | 19    | 14  | 11  | 22    | 17  | 13  | 25    | 20  | 15  | 27    | 22  | 17  | 30    | 23  | 18  | 31    | 25  | 20  | 33    | 26  | 21  |

Note:

1. Performance Data is based on ASHRAE 70-06.
2. CFM: Standard air density and isothermal conditions.
3. Static Pressure (SP): Inches of water gauge.
4. Face Velocity: Face discharge velocity in feet per minute (fpm).
5. Dashed line [-] in SP box indicates SP is less than 0.01 w.g.
6. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt]
7. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face.