



Date: February 16, 2021

Airflow Specifications for 6x12 Floor Luxe

Face Velocity (fpm)		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
Area Factor (Ak) 0.079	CFM	63	79	95	111	126	142	158	174	190	205
	SP (in., wg)	0.038	0.060	0.086	0.117	0.153	0.194	0.239	0.289	0.344	0.404
	Throw (Ft.)	15, 6, 4	18, 9, 6	21, 12, 8	23, 14, 9	25, 16, 10	27, 18, 11	29, 20, 12	30, 21, 13	31, 22, 14	32, 24, 15

Note:

1. Performance Data is based on ASHRAE 70-06
2. CFM: Standard air density and isothermal condtions.
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. Area Factor (Ak): No longer measured or calculated in ASHRAE 70-23.
7. Free Area: Total minimum area in ft² of the openings in the vent through which air is able to pass.
8. Terminal Velocity: Maximum velocity [Vt] in feet per minute at the specified distance from the outlet face.
9. Throw: Projection distance in feet from the diffuser discharge at which the maximum velocity has been reduced to specified terminal velocity [Vt]