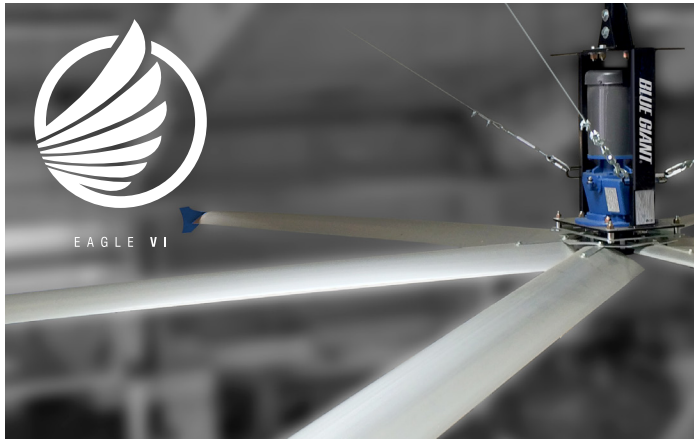


Climate Control for Commercial and Industrial Facilities  
 Improve airflow, use less energy.



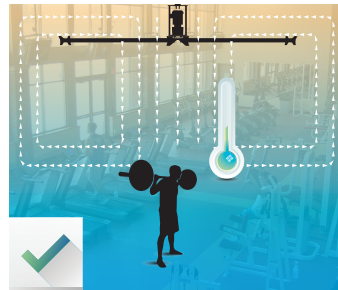
**20% TO 30% ENERGY SAVINGS BY REDUCING HVAC LOAD REQUIREMENTS**

### Eagle VI - Six Blade Comfort Solution

Available blade sizes of 12' to 24' (3.6 m to 7.4 m)

### Falcon III - Three Blade Power

Available blade sizes of 6' to 14' (1.8 m to 4.3 m)



#### Without AirFlow HVLS Fans

Temperatures in the space can become uncomfortable.



#### Using AirFlow HVLS Fans


Increase evaporative effect on skin and reduce the perceived temperature 10° to 15°F.

- Increase employee comfort
- Reduce existing HVAC run time
- Increase productivity
- Reduce energy costs by 30%


**FEELS  
10° – 15° F  
COOLER**

## Selecting HVLS Fans

### Eagle VI

	Model Range		Area Covered*		CFM	CMM
	12'	3.6 m	11,304 ft <sup>2</sup>	1,050 m <sup>2</sup>	102,579	2,905
	14'	4.3 m	15,386 ft <sup>2</sup>	1,430 m <sup>2</sup>	134,410	3,806
	16'	4.9 m	20,096 ft <sup>2</sup>	1,867 m <sup>2</sup>	166,856	4,725
	18'	5.5 m	25,434 ft <sup>2</sup>	2,363 m <sup>2</sup>	187,965	5,323
	20'	6.1 m	31,400 ft <sup>2</sup>	2,917 m <sup>2</sup>	211,895	6,000
	24'	7.3 m	45,216 ft <sup>2</sup>	4,201 m <sup>2</sup>	262,408	7,430

### Falcon III

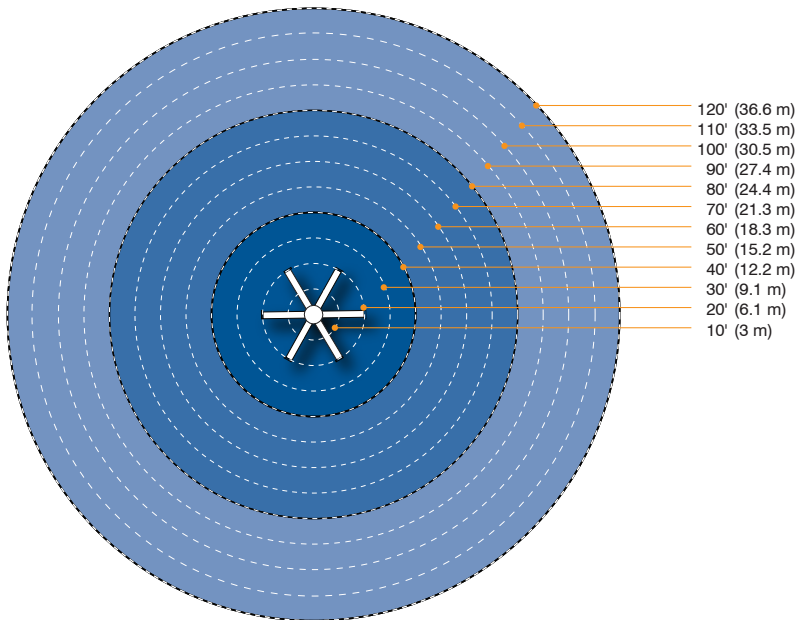
	Model Range		Area Covered*		CFM	CMM
	8'	2.4 m	2,826 ft <sup>2</sup>	262 m <sup>2</sup>	32,668	925
	10'	3.0 m	5,024 ft <sup>2</sup>	467 m <sup>2</sup>	40,043	1,134
	12'	3.6 m	7,850 ft <sup>2</sup>	729 m <sup>2</sup>	48,636	1,377
	14'	4.3 m	11,304 ft <sup>2</sup>	1,050 m <sup>2</sup>	57,575	1,630

\*Numbers shown apply to destratification (warming). Divide in half for typical cooling area.

CFM: Cubic Feet per Minute CMM: Cubic Meter per Minute

# AirFlow HVLS Fans

## Effective Diameter Illustration



### Eagle VI 12' to 24' Series HVLS Fans

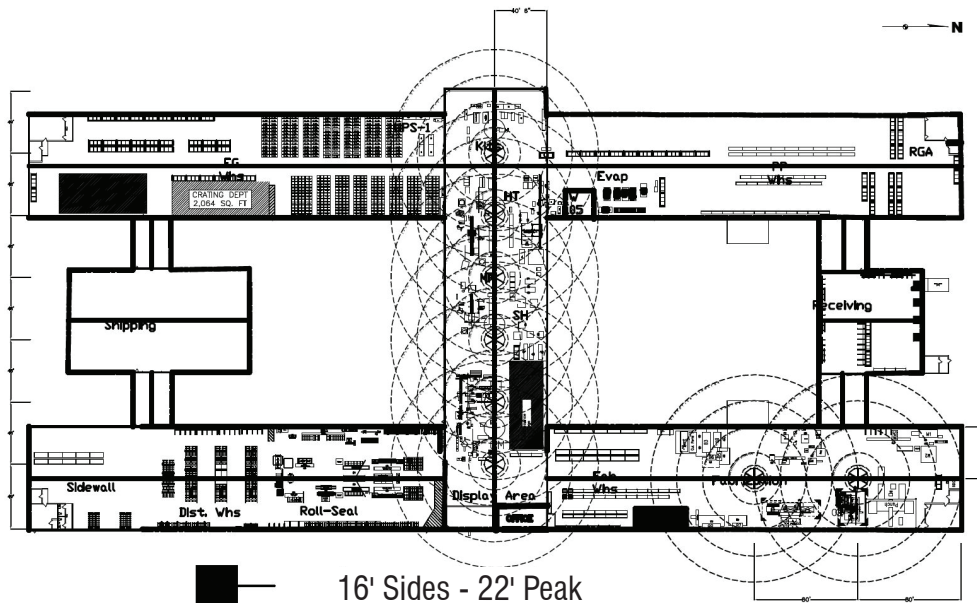
Distance from Center	Air Velocity*	Cooling Sensation*
0' to 20' (0 - 6.1 m)	620 - 900 fpm 3-4.5 m/s	14 - 15° F 8 - 10° C
21' - 40' (6.2 - 12.2 m)		
41' - 60' (12.3 - 18.3 m)	340 - 620 fpm 1.7 - 3 m/s	9 - 15° F 5 - 8° C
61' - 80' (18.4 - 24.4 m)		
81' - 100' (24.5 - 30.5 m)	0 - 340 fpm 0 - 1.7 m/s	0 - 9° F 0 - 5° C
101' - 120' (30.6 - 36.6 m)		

Stated values are estimations based on standard installation at maximum power.

Values such as building layout, obstructions, ceiling height, and drop ceiling height may effect these numbers.

**COOLING | DESTRATIFICATION | 1-2 YEAR RETURN ON INVESTMENT | OPERATES FOR PENNIES AN HOUR**

## Sample Application



	Existing 2-Blade Prop Fans	Proposed 16' HVLS Fans
Quantity	30	8
CFM Each	16,368	166,856
CFM Total	491,040	1,334,848
CFM Watt	21.6	238.37
Total Watt	22,733	5,600

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