

# Air Velocity Selection Guide

## MODEL DS-3

### HVLS Fans

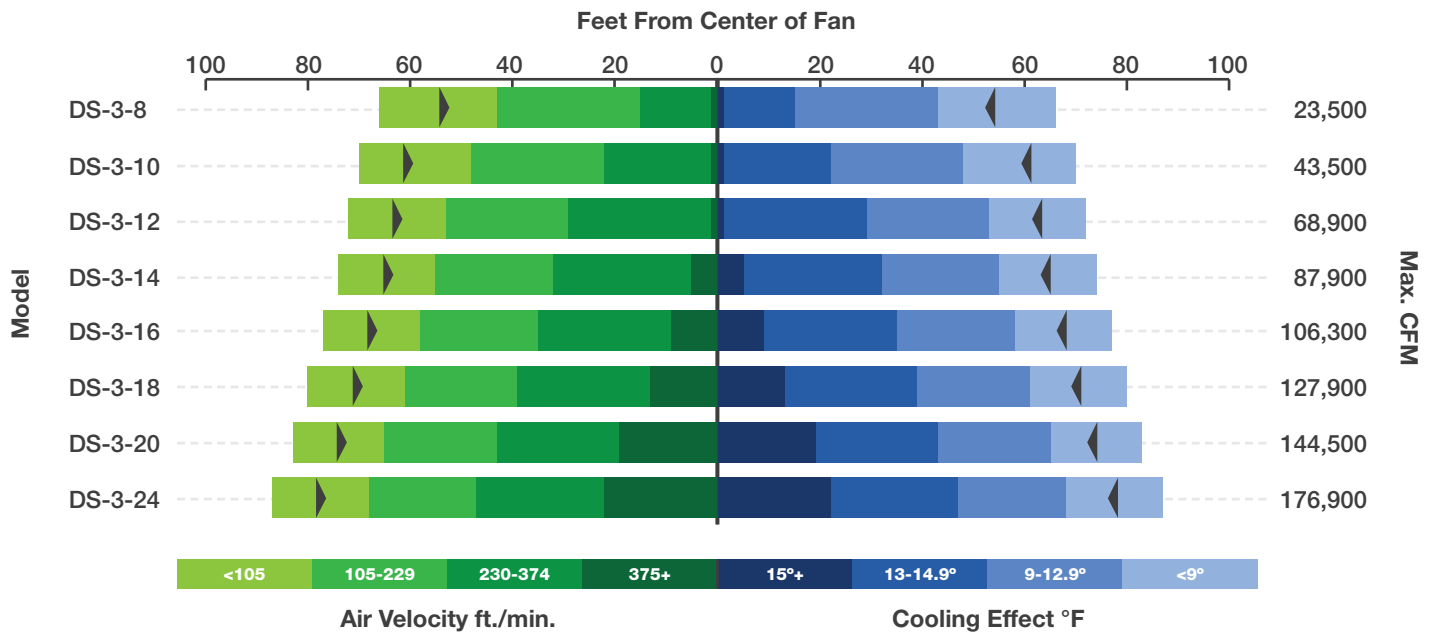


### Greenheck HVLS Fans – Industry’s Coolest Fans. Literally.

Effective air movement is critical to the performance of buildings and its occupants. With the ability to efficiently circulate large volumes of air, HVLS fans are an ideal solution for providing cost-effective air distribution and climate control in any facility.

HVLS fans offer several benefits. One of its primary applications is to provide cooling air movement for building occupants when temperature and humidity levels climb during warmer months. This cooling effect is the result of increased air velocity causing the evaporation of sweat on a person’s skin, creating the feeling of a cooler environment without lowering the thermostat. Increased air velocity from HVLS fans also reduces condensation on building surfaces that results from high humidity, leaving a drier surface, and improving building safety and occupant health.

It is important to understand how the size and aerodynamics of the fan affect the velocity of air movement and the benefits of increased air in the building area. Selection guides such as the one shown below help identify the best HVLS fan for your application based on fan size and aerodynamics. This selection guide uses the widely respected and accepted ANSI/ASHRAE 55 Standard to illustrate the perceived cooling effect that happens with the addition of HVLS fans.



### Recommended Max. Coverage Area

Testing conditions are based on a fan operating at full speed mounted 20 feet above the floor with air velocity measured at a height of 4 feet.



Greenheck Fan Corporation certifies that the model DS-3 Destratification Fan shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and comply with the requirements of the AMCA Certified Ratings Program.