

RITE-HITE FANS CASE STUDY

COLLEGE CITY BEVERAGE

Being a distributor of energy drinks, soda, and beer requires precision temperature control in many different areas of a warehouse. Monitoring and ensuring that temperatures remain constant in keg rooms, cooled warehouse areas, truck bays and the loading docks is a high priority for operations managers at these locations. Located in Dundas, MN, College City Beverage prides itself on the ability to bring quality products to its customers in a timely manner, and also the comfort and safety of their employees despite the controlled temperature differences often found throughout their facility. One effective solution to help College City Beverage maintain its high levels of safety and worker comfort was to recently install two Revolution High-Volume, Low-Speed (HVLS) industrial ceiling fans in the truck bay at their new distribution center.



Safety First

The College City Beverage Operations facility has a challenging environment where temperatures can be in the 40's during the winter months and reach the high 80's during the summer months, according to Tim Ritter. He adds that the temperature has a profound impact on overall comfort and productivity. "In our receiving area where the loading docks are located the temperature is 72 degrees,"

Tim explains. "In the truck bay area where the two fans are located it is 10 degrees cooler. Tim explains that the city drivers are in the building for up to an hour and a half before leaving in the morning. Then at the end of their day, the drivers spend up to an hour for unloading and checking vehicles. College City is finding that after a long day, the extra comfort created by the fans pays huge dividends. On an average night in the College City Beverage truck bays, the company loads 18 to 20 city delivery trucks that travel to customer locations throughout their territory. Routinely after a truck wash, the delivery trucks enter the truck bays for loading and unloading through two bays with overhead doors. It is a College City policy that the overhead doors remain closed for security reasons, temperature control, and to keep bugs and pests out of the truck bays and warehouse. When a truck enters the truck bay for loading, water often puddles up on the floor, and snow or slush in the winter months is even worse. This precipitation build-up creates a slippery surface for the truck loading personnel. "The wet floors create a slick surface resulting in safety concerns." Tim says. "We needed something to help eliminate the slippery surface." To help dry the floor, the company installed two 24-foot Revolution Fans on each end of the 20,000 square foot truck bay to help move the stagnant warm air trapped at the ceiling toward the ground.

Immediate Energy Savings

Using a state-of-the-art electronic, temperature system that monitors the facility 24/7, College City could immediately feel and begin to measure the impact. With operating costs of roughly 10 cents an hour, the Revolution Fans could pay for themselves in as little as 6 months through lower energy costs. "Based on the initial specifications, I feel we are saving 10 to 15 percent in our cooling costs," Tim says. At the end of the day, according to Ritter, the Revolution Fan's ability to keep employees comfortable and safe even in a harsh climate is what he enjoys.

RITE•HITE®



REVOLUTION[®]

FROM RITE-HITE FANS

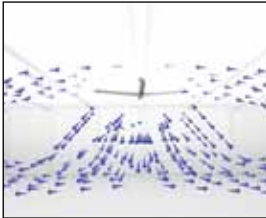
A CHANGE IS IN THE AIR

It's RevolutionAIRy. The original Revolution HVLS fan from Rite-Hite Fans delivers the most air movement of any HVLS fan on the market. The Revolution is today's standard for high-performance, large-space building environments.



VisionAIRy Design

- ▶ Propell-Aire™ custom aluminum blades with Vortex Tips, incorporates tilt, taper and twist to provide consistent airflow across the entire length of the blade
- ▶ Available in 8', 12', 16', 20' & 24' diameters
- ▶ Available in 2 or 4 blade configurations
- ▶ Custom colors and logos available



LegendAIRy Performance

- ▶ Ideal for large buildings with high ceilings
- ▶ Greatest air flow of any HVLS fan on the market
- ▶ High-performance design moves air up to 85' from the fan's center in all directions
- ▶ Uniform air flow eliminates dead air holes



ExtraordinAIRy Construction

- ▶ Extruded, precision-milled aluminum hub and bolt
- ▶ Vibration-reducing material reduces stress to hub by 50% to 75%
- ▶ Rotationally-balanced blade/hub for superior performance
- ▶ Three-way motor-to-hub safety connection
- ▶ Solid design with 40-year track record
- ▶ Stabilizing cables, beam clamp and motor housing



Controls

- ▶ Simple on/off button
- ▶ Adjustable speed control
- ▶ Solid-state, variable-frequency drive
- ▶ Lockout/tagout capable



Fan Commander

- ▶ Remote mounted, touch screen control box for operation of up to 18 Revolution Fans
- ▶ Relay input control for easy on/off interface
- ▶ Optional ethernet port for network access

Where you will find Rite-Hite Fans:

- ▶ Distribution centers
- ▶ Manufacturing facilities
- ▶ Warehouses
- ▶ Athletic facilities
- ▶ Airports
- ▶ Convention centers
- ▶ Health clubs
- ▶ Schools/universities
- ▶ Retail
- ▶ Stadiums
- ▶ Arenas
- ▶ Auto dealers
- ▶ Lobbies/atriums
- ▶ Libraries
- ▶ Religious facilities
- ▶ Hotels
- ▶ Theaters
- ▶ Bars/restaurants
- ▶ Hospitals
- ▶ Hundreds of other applications