



## QUICK FACTS

Application:	Airplane Hangar
Product:	Rite Hite Revolution Fans High-Volume/Low-Speed (HV/LS)
Blades:	(4) Propell-Aire™
Specs:	(2) 24' Fans in a 24,000 sq. ft area (1) 24' Fan in a 18,000 sq. ft. area
Benefits:	Redirect hot air toward floor Improve Airflow Keep employees comfortable Act as Bird Deterrent Reduce # of fans by 90%

## A change is in the “air” at South Florida FBO.

Banyan Air Service is South Florida's First Choice FBO for Business Aviation offering comprehensive aviation services. Some of these include, fuel and ground services, aircraft sales and management, turbine airframe and engine maintenance, avionics installations and service, aircraft parts, and Hangar63, the largest aviation store in the U.S.

Located at the Fort Lauderdale Executive Airport, Banyan Air was

looking for a way to improve airflow and keep their employees cool in the hot and humid South Florida climate. After doing some research, and comparing different manufacturer's designs, they decided to install three Revolution high-volume/low-speed (HV/LS) fans from Rite-Hite.

### Employee Comfort Key

According to Banyan Air Service, Building Maintenance Supervisor, Dan Torres, “Keeping our 25 technicians



comfortable is one of our top priorities. Our people are working on some of the most technologically advanced small aircraft on the market today.”

Banyan provides 24-hour, red-carpet service to more turbine aircraft every day than any other FBO in the southeast – over 14,000 turbine aircraft in 2007. The hangar doors are kept open all day and the Revolution Fans keep a constant air flow moving throughout the buildings.

The three Revolution Fans are located in two separate service hangars. Two 24’ fans are in a 24,000 square foot building and one 24’ fan is in an 18,000 square foot building.

#### **Out With the Old, In With the New**

Prior to installing the Revolution Fans, Banyan used a variety of floor fans, a total of 24, and three large exhaust fans. “These are all gathering dust now,” said Torres.

The advanced design of the Revolution Fan features four aluminum Propell-Aire™ blades, which vary in width and pitch angle along their entire length. That compares with other HV/LS fans with six or 10 blades. The unique design moves air more consistently below the entire diameter of the fan, and then horizontally along the building floor, up to 85 feet from the center of the fan in all directions. The shape is impossible to produce with extruded blades used on other HV/LS fans.

One additional benefit that the Revolution Fan provides is that it acts as a bird deterrent. “Birds would fly in and nest and make a mess in the hangar and there was no easy way to keep them out. The Revolution has eliminated this problem”

#### **Important Local Service**

After the fans were installed, there were some minor adjustments that needed to be made. “The local representative, Arbon Equipment, came out and made the necessary adjustments and we have not had a problem since.” Torres said. An additional benefit if you are an existing Rite-Hite customer is that planned maintenance and routine check-up calls can be coordinated in one service call. ■