



# THE POWER OF THREE.

OUR NEW AIRVOLUTION-D3 THREE-BLADE FAN COMBINES  
POWER AND AFFORDABILITY IN A SLEEK PACKAGE.

Once again, MacroAir is reinventing the HVLS fan industry. Our new AirVolution-D3, three-blade fan is rewriting the rules for the industry in terms of reliability, quietness, weight, and most of all — affordability. For the first time, price doesn't have to be a barrier to an HVLS fan.

Designed to be the most cost-effective HVLS fan on the market, the AirVolution-D3 is our value priced unit and blows away our leading competitor's entry level model. AirVolution-D3 is powerful, efficient, and expandable. And we offer a number of customizable upgrade options so you can have a fan perfectly suited to your installation needs.

Just one AirVolution-D3 can replace ten conventional fans, making it a smart investment that quickly pays for itself. This is especially important in multi-fan installations and in tight budget situations.

## **Gearless motor improves performance**

With our groundbreaking gearless motor design, the AirVolution-D3 has no gearbox. Traditional fan drive systems have over 30 moving parts. That's over 30 potential problems that can break, malfunction, and require costly repairs. Our gearless system has just two moving parts. Fewer moving parts result in a lower failure rate and a more maintenance-free fan, providing years of worry-free operation.

Leaks, grinding noise, and failure within the gear mechanism — as well as issues with the variable frequency drive — are the most common fan repair issues and we've eliminated them. Our gearless motor offers efficient climate control with more power, less noise, and longer life than any other HVLS fan on the market.

And we do it in a smaller footprint. To drive a 24-foot blade fan, a conventional DC motor would have to be three times the size of our gearless system. But our gearless fans aren't just smaller, they're also more powerful. The motor is designed to move air 50 percent more efficiently while generating more wind power at the same speed as our leading competitor. And the AirVolution-D3 uses 25 percent less energy than conventional fans, costing just pennies a day to operate.

## **High output in real-world use**

Thanks to our gearless motor design, the AirVolution-D3 is more than three times smaller, yet five times more powerful than traditional, gear-driven fans. The improved performance of our motor has allowed us to reduce the number of fan blades down to three without a real-world drop in performance.

The reduction in fan blades does lower wind output at maximum RPM. But most HVLS fans are rarely operated at top speed. In fact, most fans typically run at 50 to 70 percent of their maximum output, and often at much lower speeds. So why are businesses buying expensive over-powered fans with features they'll never use?

In practical terms, the AirVolution-D3 can match and exceed the performance of a competitor's fans, in a small, state-of-the-art package.

## **Improved efficiency in a smaller, lighter package**

Incorporating our gearless motor, the AirVolution-D3 fan is a powerful combination of technology and value.

Weighing in at 170 pounds, the AirVolution-D3 is the lightest 24' fan in the world. That makes installation easier and safer. Even without the upgrade, the AirVolution-D3 is easily installed by a two-man team without the needs of additional equipment. And with a 140°F (50°C) heat rating — the AirVolution-D3 can be installed in the warmest of climates, even high up in hot rafters.

## **Near silent operation**

Since we've eliminated the gearbox and the associated mechanical parts, we've drastically reduced the sound signature of our fans. There is no gear or friction noise, making our fans the quietest HVLS units on the market. Our fans can drive blades as big as a car while being whisper quiet. Even when running at the maximum RPM, they produce no more noise than the sound of the breeze itself.

## **Upgradable and customizable**

With the AirVolution-D3, we've designed an upgradable system that lets you decide what extras you need in a fan installation. In addition to a mounting system that doesn't require the use of guide wires, units can also be outfitted with a power disconnect at the installation site to make maintenance and repairs easier, faster and safer. While the fan comes with an analogue remote control, a digital remote can be added. And the AirVolution D-3 features a 50,000 hour warranty, the longest in the industry.

As the engineers of air, we invented the first HVLS fan. Now, we've reinvented it. With the AirVolution-D3, we've produced a fan that not only features a revolutionary design, but it's also a practical, affordable solution that outperforms conventional fans. And it's an investment that pays for itself many times over during the life of the unit.