

Legal cannabis growth and distribution has already become a \$21 billion industry and is expected to grow at over 25% per year well into the future. Young, tech-savvy entrepreneurs are partnering with experienced farmers to deliver innovation to a centuries-old endeavor. The rewards will be generous to those few that do it right.

### **BENEFITS:**

- Consistent temperature and humidity across the canopy
- Reduced penetration of mold and mildew on plant surfaces
- Purest possible air flow due to air filtration & optional air sterilization technology
- Optimal air mixtures at all times resultant of optional CO<sup>2</sup> insertion valve
- Unobtrusive design allows the system to disappear alongside the grow lights under the upper rack
- Invented and field-proven by growers



### **PRINCIPLES OF CULTIVATION**

Vertical indoor farming, with stacked trays for double or triple the growth area, has been used for years on other crops in Europe and Asia. It is the best way to maximize yield per footprint and to enjoy year-round production. With the right investments and appropriate care, it will also produce the consistent, high-quality, pathogen-free output that the market demands.

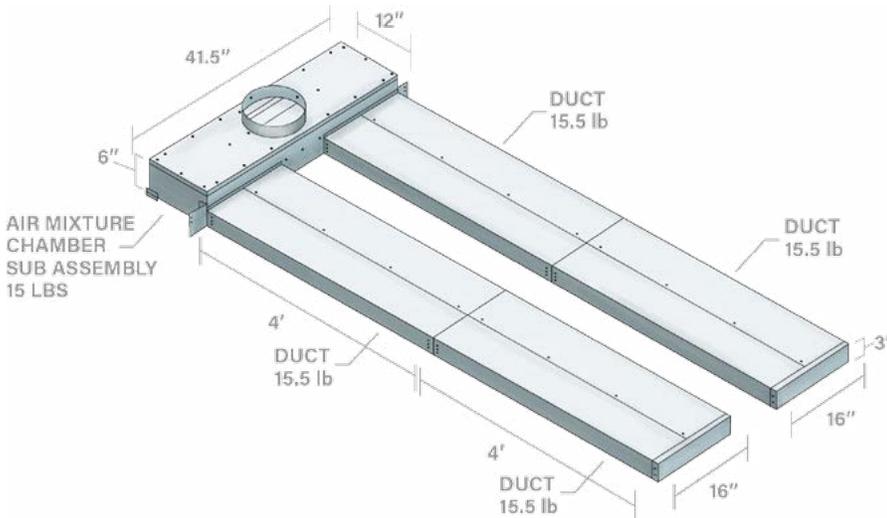
### **PRINCIPLES OF BRAND**

In any market, brand promise and brand loyalty are what make or break a company. Brand loyalty requires a consistent customer experience with a quality product time and time again. As the cannabis industry emerges as a viable business the absence of known brands creates an opportunity for growers focused on quality and consistency. These results are best achieved through indoor vertical farming. LED lighting, mobile racks, trays, HVAC, CO<sub>2</sub>, and a clean, pathogen-free environment all play roles, but are less effective in the absence of a well-designed and functioning air circulation system.

### **PRINCIPLES OF AIR CIRCULATION**

A steady, soothing breeze across the plant canopy is the best insurance for a successful crop. Not only will it eradicate hot spots or dry air areas, it will also diminish the ability of molds and mildew to attach themselves to the plants. Although proper air circulation is critical, the options for achieving it, until now, have been subpar. Circular fans can be inexpensive, but they present a tangle of electrical cables, a high probability of hot spots, and up to 8 times the energy consumption.

## ASSEMBLED VIEW



## PRODUCT SPECS

### PHYSICAL DIMENSIONS

Air Mixture Chamber:	41.5" wide x 6" tall (without fan & collar) x 12" deep
Ducts:	16"x3" x (increments of 4 ft)

### WEIGHTS

Air Mixture Chamber:	15 lb
Ducts:	16 lb/4 ft increments

### FAN POWER CONSUMPTION

6" fan	.62 amps
8" fan	1.58 amps
10" fan	2.05 amps
12" fan	4.1 amps

### SHIPPING CONFIGURATIONS

Air Mixture Chamber:	Ships fully assembled
Ducts:	Ships in flat sheets; requires assembly

## Our LED Partners

Vertical Air Solutions™ products are designed to integrate seamlessly with the following lighting vendors:



WHEN QUALITY & CONSISTENCY ARE OF PARAMOUNT CONCERN, **VERTICAL AIR SOLUTIONS** IS THE OPTIMAL ANSWER.



**VERTICAL AIR  
SOLUTIONS**

EXPERIENCE ▲ CONSISTENCY ▲ QUALITY

### ABOUT US

Vertical Air Solutions™ leads the business of providing air circulation systems and related products to the indoor, vertical farming cannabis industry globally. With a relentless focus on innovation in improving the efficiency and yield of its customers and an unwavering commitment to stable and interdependent partnerships in its route to market, Vertical Air Solutions™ positions itself as a responsible, customer-focused, responsive, and politically and socially involved player in the medicinal and recreational cannabis ecosystem.

[www.vertairsolutions.com](http://www.vertairsolutions.com)