

GREENHOUSE GROWING



**LIQUID DESICCANT DEHUMIDIFICATION
FOR INDOOR FARMING**



AT TRANE, WE UNDERSTAND...

...greenhouse buildings require unique solutions in order to maintain high output levels. That is why Trane Canada has partnered with Advantix Systems and Dynamic Air Filters in order to create a one stop shop for all your air quality and ventilation needs.

Trane is the industry leader in complete HVAC Systems including equipment and state of the art building controls and is supported by our large, experienced service team to maintain your building. We pride ourselves on being able to offer you the most energy efficient and cost effective solutions to meet your individual business needs. Below are some proven solutions Trane offers for greenhouse facilities.

DEHUMIDIFICATION

Maintaining specific levels of humidity to optimize plant yield is one of the biggest challenges greenhouse growers face. Advantix Systems has developed a unique Liquid Desiccant Dehumidification product for Indoor Farming in order to meet these needs while simultaneously cooling and cleaning the air.

AIR FILTRATION

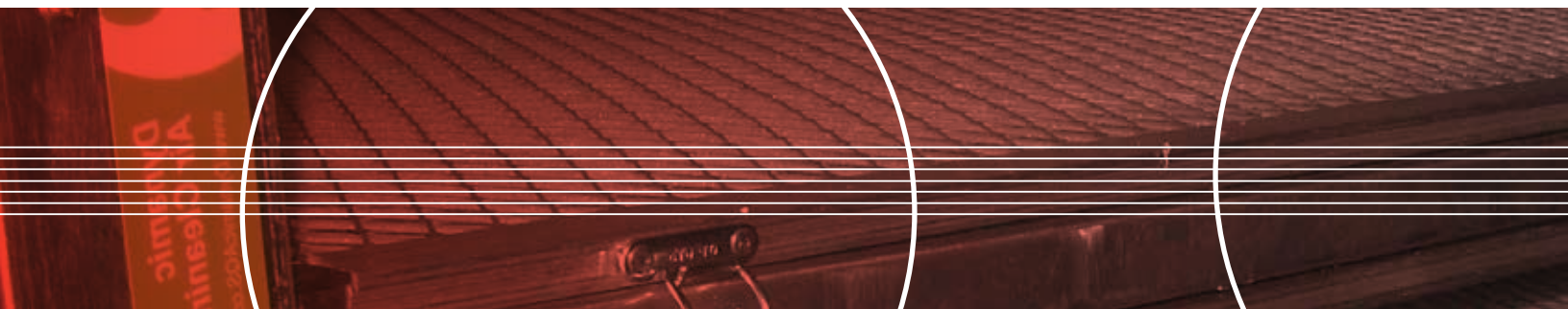
Meeting air quality standard requirements and removing mold spores and bacteria from incoming air is critical, but can be expensive. Dynamic V8 Air Cleaning Systems can be utilized to remove pollens, mold spores and bacteria from incoming air and odor from discharge air using a low pressure resistance technology that requires significantly less energy and maintenance costs than comparative systems.

SYSTEMS QUALITY & SERVICE

Trane is known for our full systems approach ensuring your equipment, controls and facility is built to last. Whether the solution is a chilled water system or using our Trane Performance Climate Changer™ Air Handlers – our experienced team has the tools and knowledge to create the most cost effective and energy efficient designs.



Trane's powerful and customizable building automation system does more than optimize building efficiency. It consistently delivers those benefits in an easy-to-use web based platform for building management."



& DYNAMIC AIR FILTERS

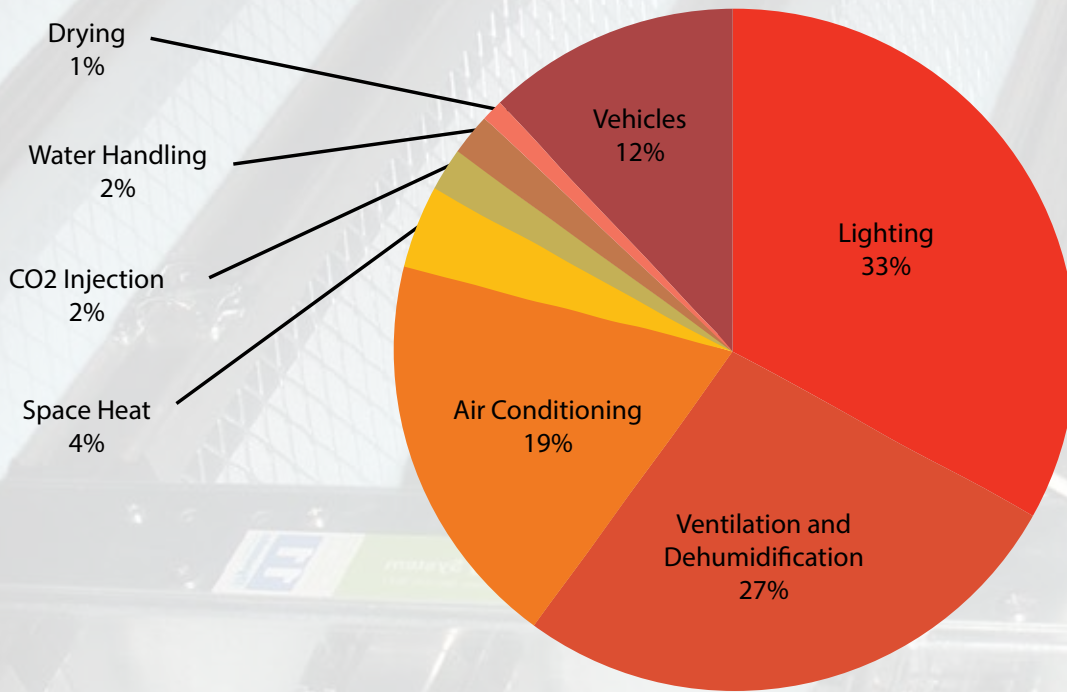


TRANE® PERFORMANCE CLIMATE CHANGER™ AIR HANDLERS

Trane® Performance Climate Changer™ air handlers are an important component of well-designed HVAC systems, offering increased energy efficiency and reduced operating costs, while quietly improving indoor air quality. Designed for flexible, simplified, lower-cost installation, Trane air handlers feature numerous options and components that add life to buildings and improve the lives of people within them.

Trane air handlers offer features and options to meet virtually any specification. From a basic, low-cost unit to the industry's most energy-efficient, flexible model with predictable performance, Trane offers unique benefits and reliability for unbeatable value and performance.





*Chart reflects a "central estimate" using a wide range of types and sizes of grow facilities.

Source: Energy and environmental systems analyst Evan Mills

ENERGY USAGE BREAKDOWN OF A COMMERCIAL GREENHOUSE FACILITY