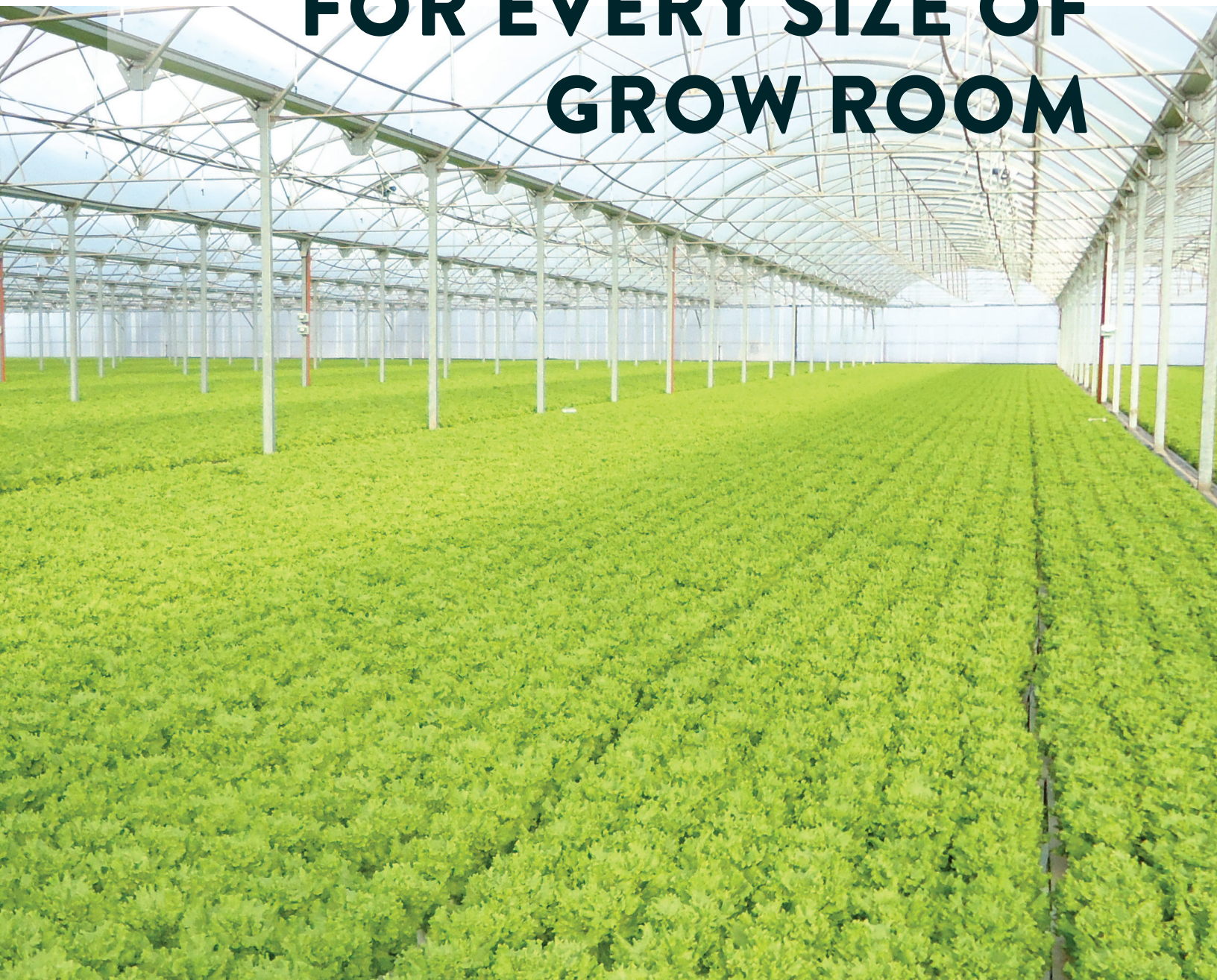




**QUEST**  
IQ SERIES

# **THE LARGEST HVAC PRODUCT LINE FOR EVERY SIZE OF GROW ROOM**





# QUEST EVOLUTION



CAPACITY RANGES: 20 TO 170 LBS/HR OF MOISTURE REMOVAL | 1,200 TO 13,000 CFM OF AIR HANDLING

## NEW UNITARY DESIGN — THE ULTIMATE SOLUTION

Designed from the ground up to provide the ultimate solution for the vast majority of grow rooms, our Evolution Series answers every one of the most critical grow room requirements. It also comes in a wide range of sizes and options to provide the most space efficient, energy-efficient and cost-effective solution possible — while delivering the most stable and scalable performance in the industry. There is simply no other system on the market that provides more capacity, value or performance in a smaller footprint!

### REDUNDANT SCALABLE PERFORMANCE

The Evolution Series is engineered as two complete systems in one. It's designed to provide 2-stage

efficiency with dual circuit reliability and redundancy. When dehumidification loads are low, only one system operates, using half the energy. When loads increase the second circuit kicks in and only runs when necessary, providing not just ideal performance and energy consumption, but you have built-in redundancy should anything happen to one of the compressors or fans.

### NO REFRIGERANT RISK

Even better, our unitary Quest systems are designed to operate using our proprietary dry coolers and glycol as a heat exchange media, which virtually eliminates the high risk of a refrigerant leak killing plants.



## COMPETITIVE ADVANTAGES

- + Dual-circuit, scalable performance to suit every stage of growth with ultra-conservative energy consumption
- + Fully modular system — 2 compressors, 2 supply air fans, 2 cabinets, all in one package
- + The security and reliability of dual, parallel, staged compressors
- + Provides precise control of the variable humidity requirements for each growing phase
- + The design incorporates waterside Economizer Cooling to save tens of thousands in electricity costs annually
- + EC blower motor technology for lowest operating costs and sound levels on both the dry cooler and air handler
- + Highest quality and efficiency for dehumidification and cooling performance with fully modulating reheat coil for optimum room temperature control
- + Wide range of auxiliary heating options available
- + Combines compact footprints and premium quality components in capacities ranging from 4 to 32 tons
- + Utilizes proprietary dry coolers in a sealed system with exceptionally low refrigerant charge, no field refrigeration work and minimal risk of refrigerant leak
- + Includes complimentary remote web monitoring
- + Service vestibule outside of the airstream for ease of service and quiet operation
- + Delivers a competitive first cost, followed by extremely low total cost of ownership and an exceptionally long service life

# QUEST COMPRESSOR WALL



CAPACITY RANGES: 70 TO 330 LBS/HR MOISTURE REMOVAL | 3,600 TO 22,000 CFM OF AIR HANDLING

## SETTING AN INDUSTRY STANDARD WITH NEW UNITARY DESIGN

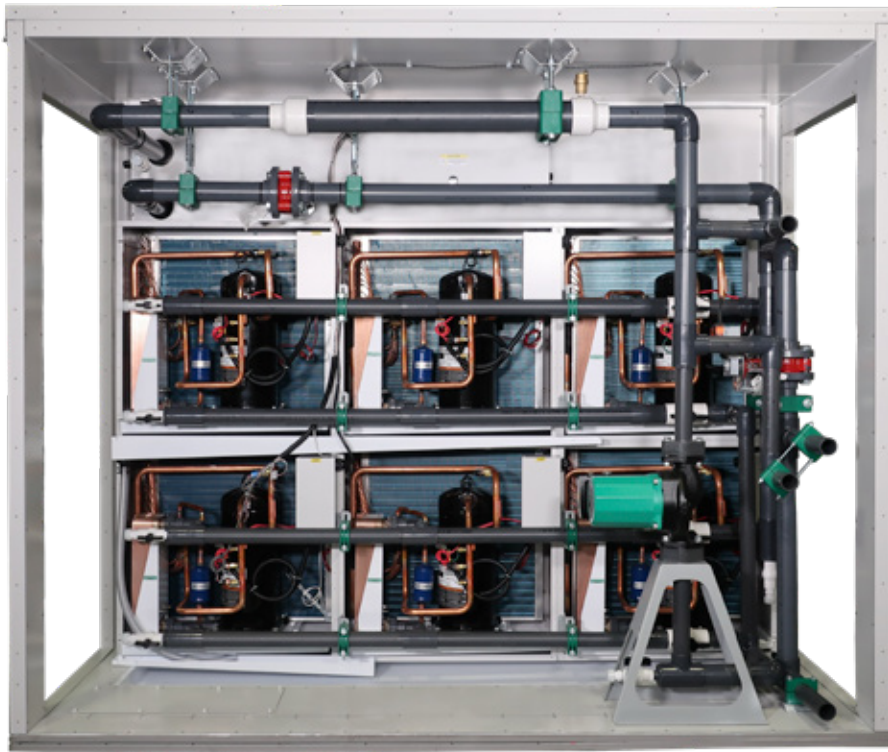
Designed from the ground up to meet the demands of the cannabis industry, our revolutionary patent pending Compressor Wall Technology sets entirely new industry standards for performance, reliability, energy efficiency, environmental friendliness, size, weight and flexibility to deliver a truly incomparable innovation.

### REVOLUTIONARY DESIGN FOR GROW ROOMS

Unlike anything else before it, our groundbreaking patent pending Compressor Wall Technology takes a modular, scalable and redundant approach to dehumidification,

heating and cooling in a unitary solution that utilizes multiple small compressor modules in a powerful Compressor Wall array. This ingenious innovation creates the ultimate solution for growers because it outperforms every other large capacity offering in every critical consideration.

Combine that with our proprietary high performance Dry Cooler heat exchange system that is also totally eco-friendly, incredibly reliable, energy-efficient and extremely flexible, and you get the ultimate HVAC solution for growers.



## FEATURES

- + 6 individual compressor modules for built-in redundancy
- + 2 stages of performance
- + 12 levels of scalable capacity
- + 50% the size and weight of traditional capacity equipment
- + Less than 10% of traditional refrigerant charge

- + The security of 6 individual compressor modules in an array providing complete, independent redundancy to deliver virtually failure-proof performance
- + The extraordinary efficiency of each compressor with 2 stages of performance to provide 12 levels of scalable capacity
- + The savings and security of a ridiculously small refrigerant charge that's a mere 10% of traditional equipment to completely eliminate expensive refrigerant recharging
- + The convenience of easy, fast, inexpensive plug and play replacement of individual compressor modules with no down time
- + The confidence of eco-friendly, water-glycol heat exchange technology that totally prevents the debilitating and expensive cold weather issues of traditional AC heat rejection
- + The space efficiency and flexibility of equipment that's typically 50% the size and weight of traditional capacity equipment





# QUEST DRY COOLERS



## BOOST PERFORMANCE AND EFFICIENCY WITH DRY COOLER TECHNOLOGY

Quest brings proprietary, custom-designed Dry Cooler technology to the indoor grow market to solve the most expensive and challenging problems in the industry.

### FEATURES

- + Outdoor heat rejection technology
- + Ultra quiet and energy-efficient fan designs
- + Coated outdoor heat exchanger coils deliver corrosion resistance
- + Maximum efficiency and reduced refrigerant charge
- + Modular V-configured dry coolers for minimum fluid pressure drop
- + Twin 4 row coils with 0.25" turbo-spiral enhanced copper tubes and 0.075" sine wave fins for maximum fluid heat rejection and durability





## VIRTUALLY SELF-CLEANING

Our dry coolers are engineered for optimal performance with our proprietary system controls using state-of-the-art heat exchanger coils that are virtually self-cleaning to maintain a lifetime of peak performance.

## ULTRA-QUIET

Our fans are also the quietest in the business, employing EC motors for bulletproof performance and scalable fan speeds that adapt perfectly to maintain minimum energy consumption and infinitely scalable demand-based performance.

## 85% LESS REFRIGERANT

The other powerful advantage of our dry cooler technology is that it allows us to use up to 85% less refrigerant than traditional split DX systems, while using simple PVC piping to connect — without restriction of line length. For the indoor grow industry, using a glycol

fluid mix as a secondary heat exchange fluid not only increases system reliability, but it also virtually eliminates the crop-killing risks associated with refrigerant leaks and the exorbitantly high cost of refrigerant replacement.

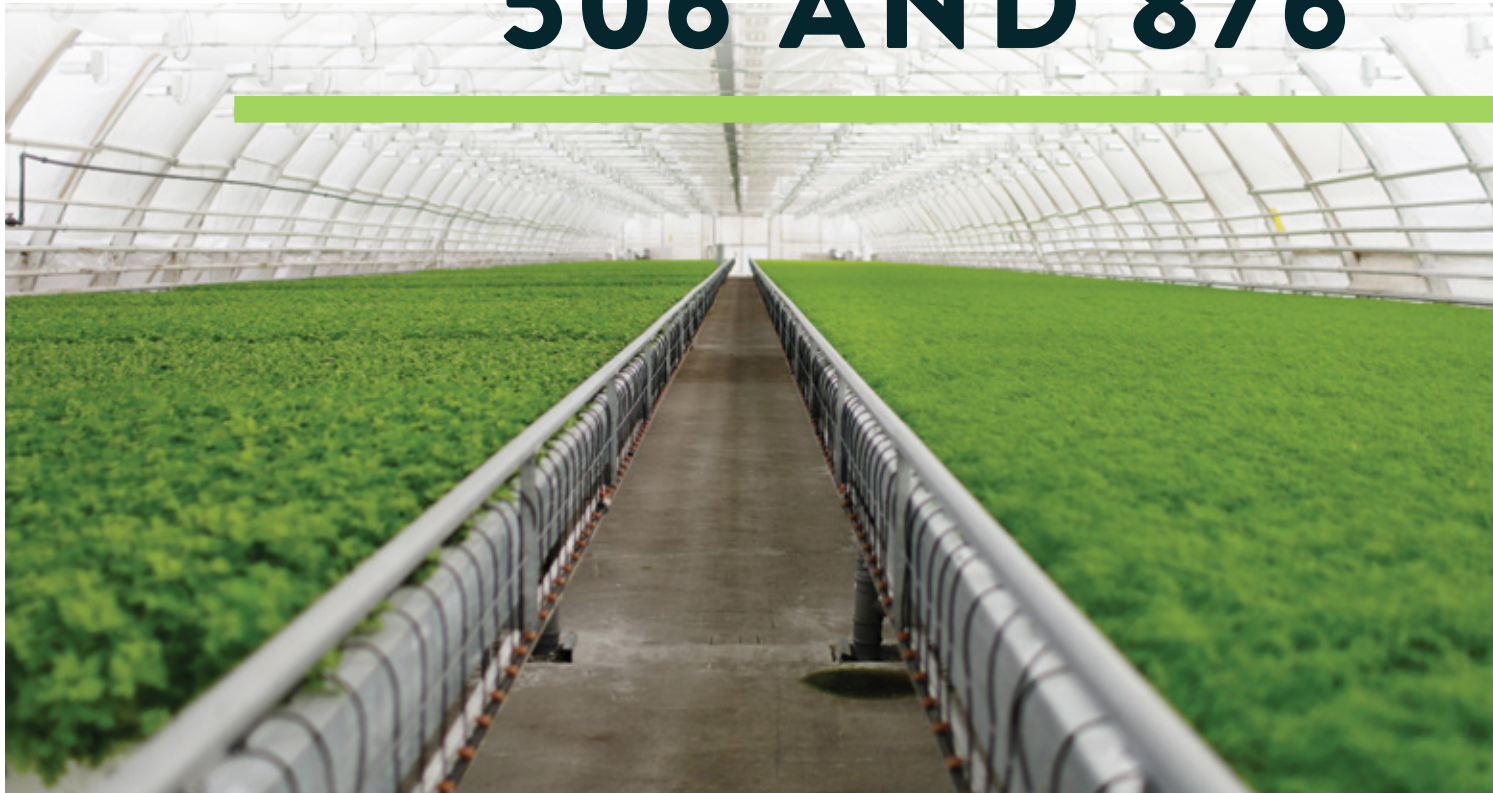
## BUILT-IN PUMP PACKAGE REDUNDANCY

Our proprietary dehumidifier controls, coupled with our proprietary dry cooler designs, really do provide the most stable room conditions possible with the least exposure to on-off control spikes or drops. And by using multiple dry coolers in series with built-in, independent pump packages, you get another level of scalable energy consumption plus the added benefit of redundant and independent sources of heat rejection.

## THE RESULT

The most flexible, scalable, energy-efficient and redundant heat rejection system in the industry — with the absolute simplest and lowest cost of installation.

# QUEST 506 AND 876



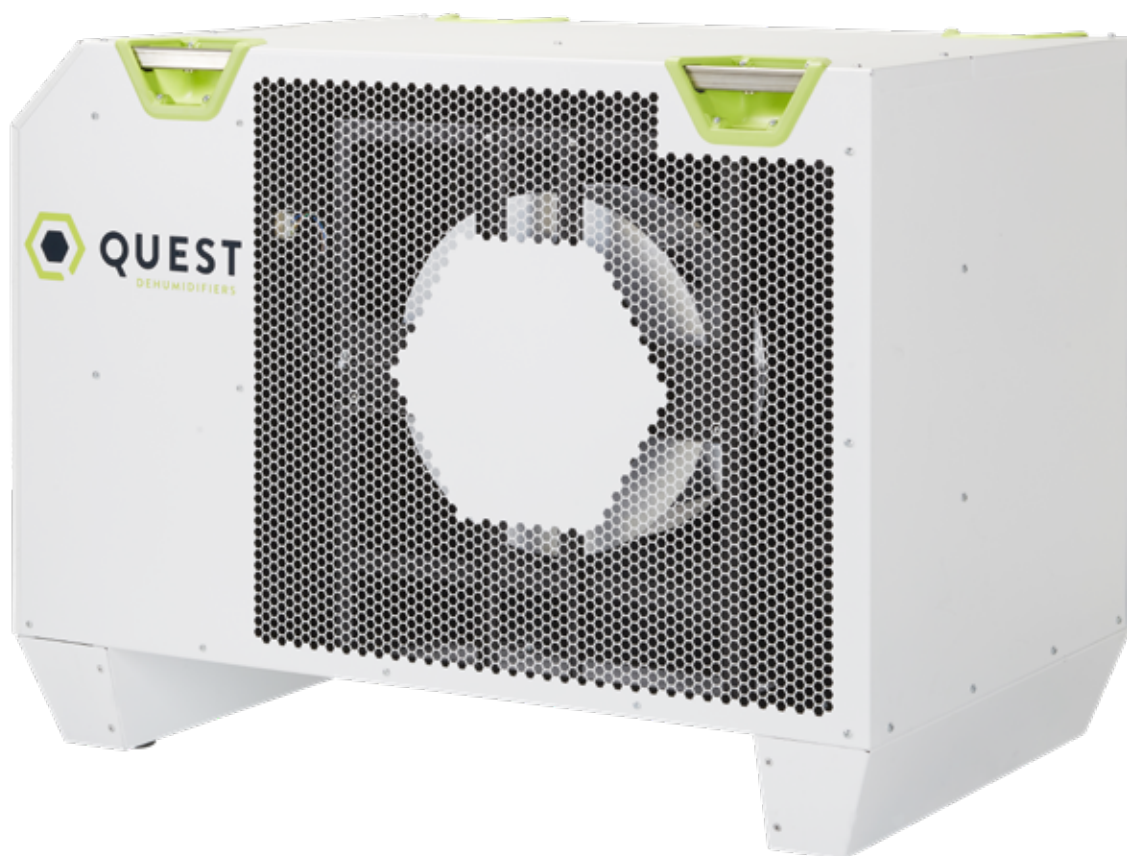
## OUR HIGHEST CAPACITY STANDALONE DEHUMIDIFIERS YET

Industrial grow operations demand industrial-sized solutions. That's why we've developed the QUEST 506 and the QUEST 876. These units are the most efficient high-capacity dehumidifiers on the market that are specifically designed with growers in mind, to work round-the-clock to optimize your grow environment with maximum energy efficiency and flexibility.

### ADVANTAGES

- + Energy-efficient dehumidifiers
- + High-capacity, high-quality dehumidifiers with superior air filtration
- + Ductable intake and dual exhaust kits available
- + A full 5-year warranty
- + Integrated handles
- + Patent-pending coil technology unlike anything else on the market





### QUEST 506

### QUEST 876

<b>Capacity Range</b>	506 pints/day at 80°F, 60% RH (506 pints   239 liters   63.3 gallons)	876 pints/day at 80°F, 60% RH (876 pints   415 liters   109.5 gallons)
<b>Electrical</b>	220–240V, 13.6 amps @ 80°F, 60% RH, 2,700 watts	Nominal 230V, 24.7 amps @ 80°F, 60% RH, 5,500 watts
<b>Cord Length</b>	10 feet into 230V outlet	—
<b>Efficiency</b>	8.1 pints/kWh	6.6 pints/kWh
<b>Installation Method</b>	Outlet or Hard Wired	Hard Wired
<b>Height</b>	33.8" (73.4 cm)	33.8" (73.4 cm)
<b>Width</b>	28.9" (85.9 cm)	28.9" (85.9 cm)
<b>Length</b>	44.7" (113.5 cm)	44.7" (113.5 cm)
<b>Weight</b>	275 lbs (125 kgs)	350 lbs (159 kgs)



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