EVOLUTION SERIES

MOISTURE REMOVAL: 20 TO 170 LBS/HR | AIR HANDLING : 1,200 TO 13,000 CFM | COMPRESSOR CAPACITY: 4 TO 32 TONS

NEW ALL-IN-ONE DESIGN – THE ULTIMATE SOLUTION

Designed from the ground up to provide the ultimate solution for a wide range 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 such a compact footprint!

AGronomic IQ SMART HVAC FOR GROWTH | QUEST

info@AgronomicIQ.com

REDUNDANT, SCALABLE TEMPERATURE AND HUMIDITY CONTROL

The Evolution Series is engineered as two independent, multi-stage circuits in a single system to provide precise dehumidification and cooling performance, with dual circuit reliability and redundancy.

When dehumidification or cooling loads are below peak, compressors modulate down or shut-off completely to use less energy, while matching the precise room requirements. As loads increase, the system adapts with higher single stage performance, followed by engaging the second circuit in the same staged fashion.

These exceptionally stable room temperatures are provided via modulating (0-100%) hot-gas reheat coils on each circuit. This design not only saves energy, but also eliminates over-drying or over-cooling when demand is low. Should a compressor or fan in one circuit fail, you have the second one as an automatic backup.

PROPRIETARY HEAT EXCHANGE TECHNOLOGY

Other manufacturers use refrigerant-based outdoor condensers, which are not only expensive to operate and maintain, but less reliable, bad for the environment and prone to service issues.

AGronomic IQ's proprietary dry coolers use a water-glycol fluid mix to reject heat outdoors, thereby reducing expensive refrigerant usage by more than 85%. This technology virtually eliminates the risk of plant-killing refrigerant leaks and provides superior reliability. With just PVC piping to connect, our dry coolers are also easier and less expensive to install, have no line length limitations and eliminate the risks associated with low ambient conditions.

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 loads throughout each phase of growth
- Optional waterside Economizer Cooling with the potential to save tens of thousands in electricity costs annually
- EC blower motor technology for the lowest operating costs and sound levels on both the dry cooler and air handler
- Highest efficiency, for dehumidification and cooling performance with fully modulating reheat coil
- Utilizes proprietary AGronomic IQ Dry Coolers in a sealed system, requiring no field refrigeration work and reducing the risk of refrigerant leak
- Service vestibule outside of the airstream for ease of service and quiet operation
- Includes no-cost, 24/7 real-time Internet monitoring via proprietary GrowSentry™ Technology to ensure peak performance, along with remote system access and control for ultimate peace-of-mind and lower service costs
- Delivers a competitive first cost, low total cost of ownership and an exceptionally long service life

RAMTEK
Precision Grow Solutions
MechanicalSales@ram-tek.com
www.ram-tek.com