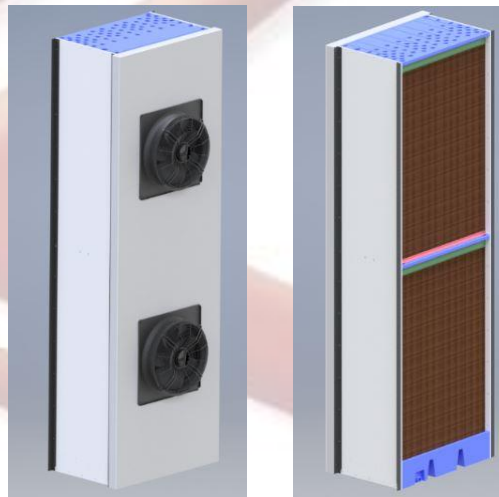


Quotation: Stationary Evaporative Cooler unit for humidification approx. **30k Bu humidifying capacity**

1- 12'h by 4'w 12" media Evaporative cooler/humidifier unit with pull thru 2 EC fan

- 1/4hp external high-performance SS recirculation pump 35 GPM, 2.5A at 120 VAC, pump cover.
- HDPE construction, SS bolts, two level spray chambers for max saturation, schedule 40 piping.
- 2 3hp 24" 12,000 CFM Each EC (variable speed built in) fans 3 phase with speed control-controlled by a computer or via potentiometer or on/off.
- Total height is 13'-2", cell needs to be attached to the wall – top and mid-point in 4 places to prevent tipping over, typical orientation of the unit shown
- Built for continuous use, in line filter installed, **diamond edge** evaporative media for long life.
- Chemically treated cellulose evaporative pads, high saturation, 1.5gpm water supply required.
- Up to 40 GPH of evaporation rate at low building RH, average evaporation of 5-8 gal/hr.
- **Two-year limited unit warranty. Made in USA.**
- **Construction/assembly/electrical cost estimated at \$2000 per room (not included).**
- Can reduce air temperature as air passes thru it up to 20 deg F at low ambient RH and high ambient temperature, can raise air passing thru it from 20% to 90% RH.
- It can saturate air in volume of 30,000 Bu storage in 5 minutes to 90% RH in recirculation mod
- **Approximate sweet potato shrink reduction 1-1.5% per month at 85-90% RH maintained in storage for payback of 3-6 months in 50-60k Bu storage compared to non-humidification**



Notes: 12 hrs. supervisory labor included. General assembly, electrical, plumbing and construction is not included. Room can be attached to the existing building opposite to main fan room/area or it can be installed inside the room. Minimum 1/2" water line required. Unit can be run manually, or it can be incorporated into existing control system for automatic control. CAD drawing for construction will be provided. Water drain off will be required to outside the building, pump contactor required. Water softener maybe required if water has very high mineral content (not included). Evaporative humidification produces water vapor without free water – minimizing storage corrosion.

Robert Drozdowski

Robert Drozdowski

Cell: 901-417-4785

rdrozdowski@agricontrol.com

ACT/BTU SE Division in Memphis, TN