

Quotation: Stationary Evaporative Cooler unit for humidification approx. **40-60k Bu humidifying capacity**

12'h by 7'w 12" deep media Evaporative cooler/humidifier unit with blow thru 3 or 5 hp fan

Custom sizes available.

- 1/8hp external high-performance 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.
- 48" galvanized direct drive fan 5hp with Nema 4 VFD, 33,900 CFM at 0.25 static pressure.
- 3 hp 48" 21,150 CFM fans available for smaller systems or if only 1-phase power is available.
- Heavy-duty, maintenance free TEFC Toshiba fan motor.
- 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 95 GPH of evaporation rate at low building RH, average evaporation of 10-15 gal/hr.
- **Two-year limited unit warranty. Made in USA.**
- **Construction/assembly/electrical cost estimated at \$5000-7000 per room (not included).**
- Can reduce air temperature as air passes thru it up to 25 deg F at low ambient RH and high ambient temperature, can raise air passing thru it from 20% to 90% RH.
- **It can exchange air in volume of 60,000 Bu storage in 7 minutes with 90% plus RH output.**
- **Approximate sweet potato shrink reduction 1-1.5% per month at 85-90% plus RH maintained in storage for payback of 3-6 months in 40-50-60k Bu storage compared to non-humidified.**



Please allow 2-4 weeks for shipping to location.

Notes: 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 and self regulates its output based on air moisture saturation so you only use right amount of water (rest recirculates) – minimizing storage corrosion-no free water. Total unit height is 13'-

Robert Drozdowski

Robert Drozdowski

Cell: 901-417-4785

Fax: 901-339-0166

rdrozdowski@agricontrol.com

ACT/BTU SE Division in Memphis, TN