First determine the Evaporation Rate in your pool room:

Air: **(Normal is 82°F)**
Pool Water: **(Normal is 80°F)**

And then figure the Air Changes:

- **Normal is 4 to 6 air changes per hour.**
- **Add 2 more changes per hour for pools with spectator facilities.**

Next, Determine your Outside Air Needs:

- **0.5 CFM of outside air (OA)/sq.ft. of pool & deck area**
  OR **15 CFM of outside air per person (Whichever is greater).**
- **Contact factory rep. for design help when OA requirements are greater than 15% of unit CFM.**

"Must Have" List:

- **Means of heat rejection for summertime usage (i.e. air cooled condenser).**
- **Maintain pool at .05 to .15 negative pressure with exhaust fan.**
- **Try to place exhaust grille directly over the whirlpool.**
- **Supply air should be blown across full width of all windows.**
- **Put return grille 10 to 15 feet above pool floor level as far away from any whirlpools as possible.**
- **Need separate plastic, inline pump for pool water to be circulated through dehumidifier for pool heating.**
- **Vapor barrier on warm (inside) portion of outside wall and ceiling.**
- **Maintain pool water pH level between 7.2 and 7.6.**
- **Have a minimum of 2.5 duct diameters coming into the return and off of the discharge of the unit.**

"Don't Do This" List:

- **Do not direct supply air over pool surface.**
- **Do not store pool chemicals in mechanical room.**
- **Do not install skylights. (Save those for your greenhouse).**