

HOLDRY Dry Air Handling Unit are specifically designed to prepare the clean and safe air with the possibility of controlling temperature and humidity. **Humidity: 5% < RH < 40% & Temperature: 18 < oC < 24**

**Product description:**

Holdry unit's body is made Polyurethane-PU 50mm and Thermal-break aluminum. The Holair unit include following main components: Frame network, Pre-Cooling Coil, Main-Cooling Coil, Rotor Dehumidifier, Electric heater or Steam coil, Supply Fan, Exhausted Fan, Filter, Mixing box, Control.

**Key benefit:**

- Investment and installation cost are lower than combined air conditioners and dehumidifier.
- Low dewpoint application
- Quick and simple installation
- More efficient, quieter and experience less vibration

**Application:**

- Pharmaceutical factory
- Electronics factory
- Laboratory
- Hard and Soft Capsule production area
- Effervescent tablet production area

**Main specification and parmameters:**

*Pre-cooling module:*

Airflow : 2,500 CMH  
Cooling capacity : 60,000 BTU/h

*Dehumidifier module:*

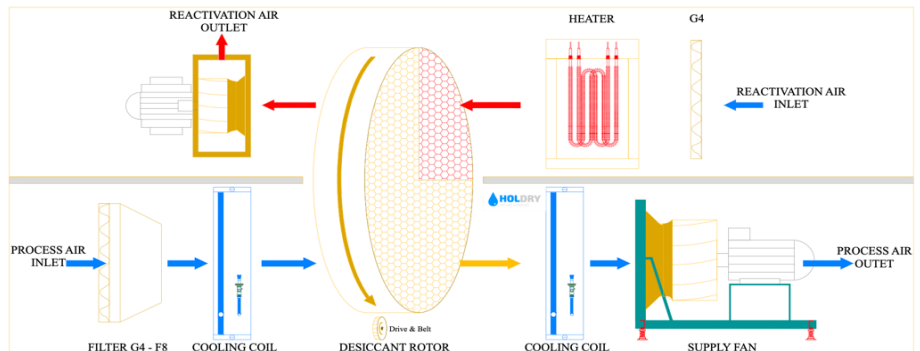
Process Airflow : 2,500 CMH  
Reactivation Airflow : 600 CMH  
Dehumidification Cap : 14.25 kg/h  
Electric heater : 21.0 kW  
Desiccant Roto : 550 x 200  
Availabel ESP : 300 Pa  
Exhausted fan motor : 0.75 kW /2Pole

*Main-cooling module:*

Airflow : 2,500 CMH  
Cooling capacity : 60,000 BTU/h

*General:*

Airflow : 2,500 CMH  
Process filter : G4 - F8  
ESP : 800 Pa  
Supply fan motor : 3 kW / 2Pole  
Power source : 380V/3Ph/50Hz



Note: Depending on specific requirement, electric heater replaced by Steam coil

**Profile:**

Inner skin material : S5304  
Inner skin thickness : 0.5 mm  
Outer skin material : GI  
Outer skin thickness : 0.46 mm  
Insulation material : PU - 40kg/m3  
Insulation thickness : 50 mm  
Noise : 72.0 dBA  
Dimension : 1700x1100x3800 HxWxLmm  
Weight : 900 kg

**Control:**

Airflow rate is controlled steplessly by inverter which saves energy consumption and provides accurate airflow amount. Cooling capacity is controlled by PLC under high demand in industrial application.

**Super quality components:**

Holdry always calculate rotor capacity by professional software with correct outdoor condition where the unit is expected to install to ensure its rated capacity is what customer can really receive.

Cooling coils are manufactured according to AHRI 410-2001 standards and specially treated to work efficiently in hot and humid environment.

Drain pans are made of stainless steel 304S

Fans are TEFC type, high efficiency with class F insulation inverter compatibility.