

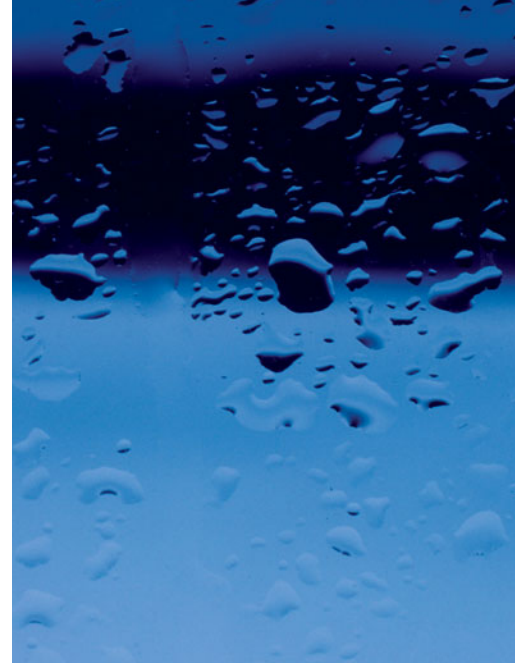
DRYCOOL™ STANDARD

Humidity Control Unit



PRODUCT INFORMATION

DRYCOOL™ STANDARD



Product Description & Advantages

A Munters DryCool™ unit provides operators the ability to control temperature and humidity independently. DryCool™ is designed to cost-effectively treat 100% makeup air and can work in conjunction with your existing A/C system or energy recovery ventilator (ERV). It controls humidity on an as-needed basis, when humidity levels exceed setpoint.

Conventional air conditioning systems do not effectively control humidity. Recent increases in makeup air requirements have changed sensible heat ratios to levels where these systems operate poorly.

DryCool™ operates cost-efficiently because all of the energy required for the operation of its desiccant dehumidifier is recycled from cooling components. When there is a call for cooling only, DryCool™ lowers energy costs because the Coefficient of Performance (COP) is higher than a typical air conditioning system.

DryCool™ combines the benefits of desiccant dehumidifiers with the cooling of DX air conditioners to pre-treat make up air before it is brought into a building.

These units include a direct expansion pre-cooling coil, a desiccant wheel, integrated condensing package, supply fan, reactivation fan and condensing fan. They can include gas, electric, hot water and steam heat. Systems independently control temperature and humidity with optional night setback and remote monitoring. Unit installation can be indoors or outdoors. These systems can process 1,000 cfm to 16,000 cfm of makeup air.

BENEFITS

- Energy Efficient
- Fresh MakeUp Air
- Avoid Cool & Reheat
- Dry, Healthy Duct Work
- Increase Your Cooling COP
- Low-cost Code Compliance
- Independent Temperature & Humidity Control

DryCool™ Standard Technical Specifications

Nominal CFM	2,000	3,000	4,000	5,000*	6,000	8,000	12,000	16,000
Total Compressor Tons	10	15	20	15	30	40	60	80
Equivalent Cooling Tons **	16	25	30	25	50	70	100	130
General Dimensions (LxWxH) in.	TBD	127 x 65 x 57	142 x 65 x 72	111 x 65 x 57	173 x 96 x 72	188 x 96 x 86	311 x 127 x 102	341 x 127 x 102
General Weight +/- 10% (Lbs.)	TBD	3,300	4,000	2,530	5,250	7,850	13,650	16,800

Dimensions and weights do not include post heat option

* Return air only

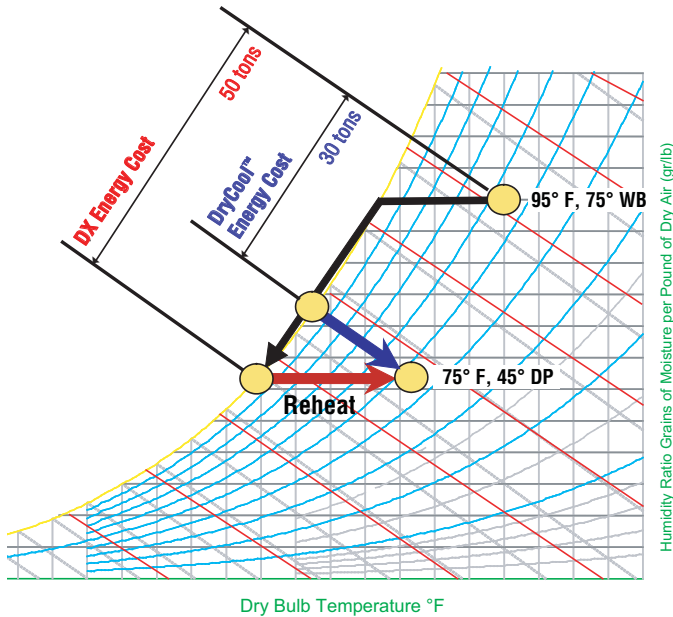
** Indicates the tonnage a conventional DX system would require to achieve the same leaving air dewpoint as the DryCool™ Standard

Standard Features	Unit Options
<ul style="list-style-type: none"> ☑ R-410a Refrigerant ☑ 100% Makeup Air Operation ☑ TiGel Desiccant Wheel ☑ Standard DX System ☑ Scroll Compressors ☑ Galvalume Double Wall Construction ☑ Air Intake Hoods / Louvers ☑ Supply and Reactivation Filters ☑ ETL Listed 	<ul style="list-style-type: none"> • Return Air • Unoccupied Mode • Corrosion Resistant Coil Coating • BMS Interface • Gas, Electric, Hot Water, Steam Post Heat • Extended Service Plans • Digital Controller



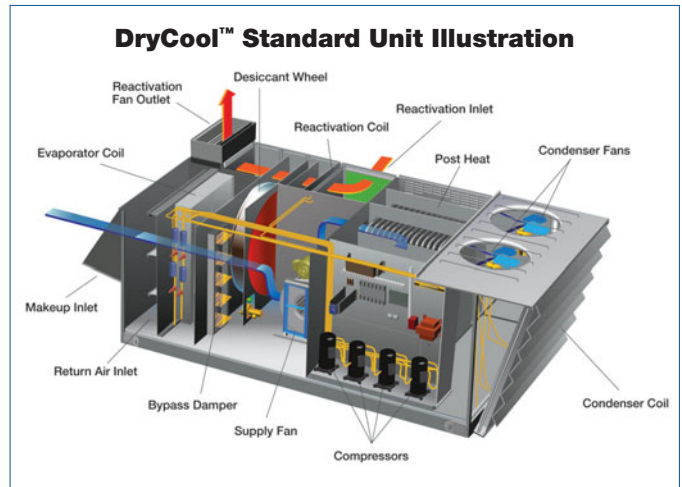
DryCool™ is a quiet, energy efficient, and high performing product. The unit is extremely serviceable with all components easily accessible from the outside of the unit.

DryCool™ HCUC6030 Operating Example



At a nominal 6,000 cfm entering at 95°F db and 75°F wb, the DryCool™ HCUC 6030 uses 30 tons of compressor cooling to deliver space neutral air at a 45°F dp. A conventional DX unit uses 50 tons of compressor cooling to deliver the same conditions.

Munters Corporation Protected by one or more of the following U.S. Patents. 5435958; 5505769; 5423934; 5500402; 6375914; 6557365; 6622508; 6711907; 6875299; 7047751. U.S. and worldwide Patents Pending.



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