



Dehumidifiers for Rental Fleets



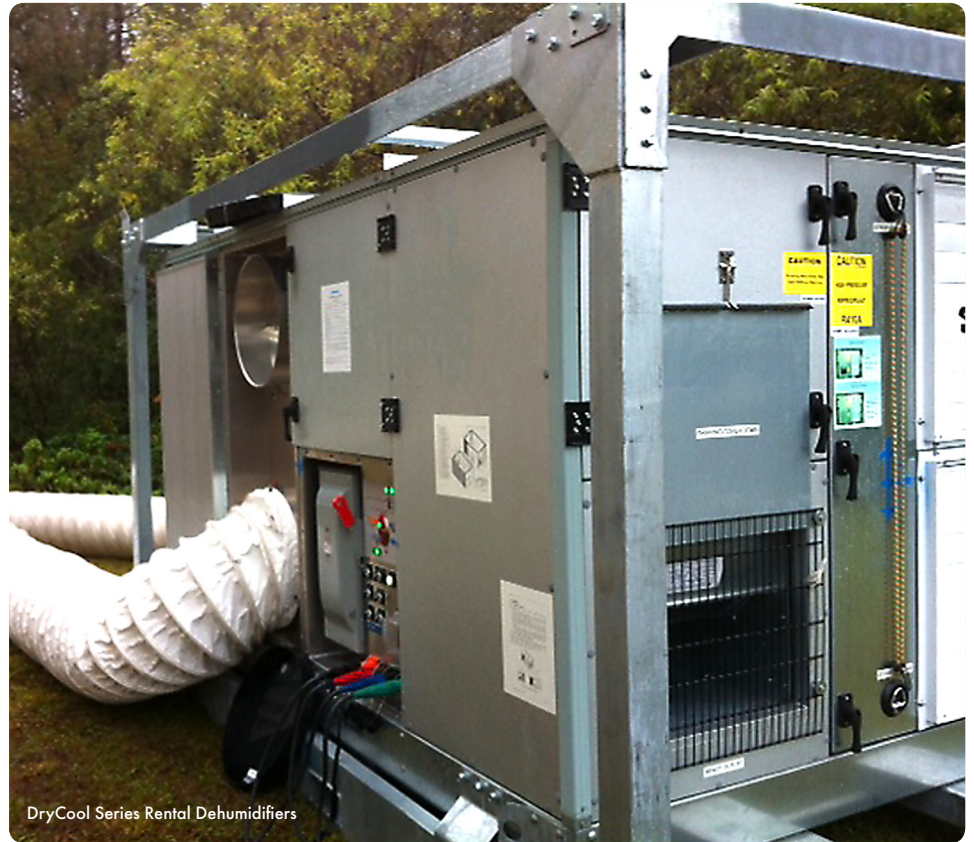


# Munters is the World Leader in Dehumidification

As the world's largest manufacturer of desiccant dehumidification systems, Munters Air Treatment Division has solutions for all your temporary drying needs with equipment sizes ranging from 70 CFM to 20,000 CFM. With over 50 years of experience engineering desiccant drying and cooling systems, Munters provides you with rental equipment that is reliable, durable and meets the needs of our global customers.

When selecting humidity control or water damage equipment for your rental fleet, many equipment types and options are available. Equipment that you may consider includes:

- Refrigerant based dehumidifiers
- Air movers with electric or gas heat
- Cool-reheat dehumidifiers
- Desiccant dehumidifiers



DryCool Series Rental Dehumidifiers

## Benefits of Munters Rental Equipment

**FLEXIBILITY** – Temporary humidity control systems are designed with a range of options to provide your customer with flexibility and the features they need.

**RUGGED DESIGN** – The HCD industrial dryer's welded construction can withstand the rigors of multiple moves from job to job.

**SUSTAINABILITY** – Greatest energy saving desiccant dryers on earth – Munters desiccant dryers typically use 15% to 30% less energy for the same amount of work. This is best measured as BTUs per pound of water removed.

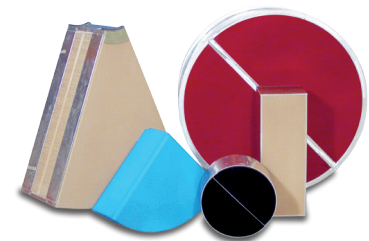
Munters DryCool™ Rental systems use 30-40% less energy than cool-reheat units

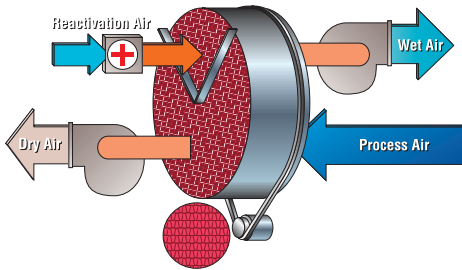
**QUALITY PRODUCT** – For more than 50 years, Munters equipment has been known as the "global standard". Munters investment in desiccant technology and energy reduction will keep you ahead of your competition.

**LOW DEWPOINT** – Munters superior desiccant wheels and matching reactivation systems, assure faster drying and lower dewpoints than anyone else.

**GLOBAL PRESENCE** – With sales offices in over 30 countries and seven dehumidifier manufacturing facilities across the world, Munters technicians and engineers are available to assist you.

Whatever application you have, Munters systems allow for project completion in an efficient and cost-effective manner.





Munters' HoneyCombe® desiccant rotor is at the heart of all our desiccant systems' technology. Moist air enters the dehumidifier and passes through the HoneyCombe® desiccant wheel. The desiccant HoneyCombe® structure attracts water molecules directly from the air to lower the humidity. To remove the captured moisture, a small section of the wheel is heated by a warm air stream and then exhausted. The continuous rotation of the desiccant wheel allows for the dehumidifier's uninterrupted operation.

## The Best in Desiccant Engineering

As the industry leader, Munters desiccant systems have proven to outperform all "copycat" desiccant dehumidifiers by removing more water, while always using less energy.

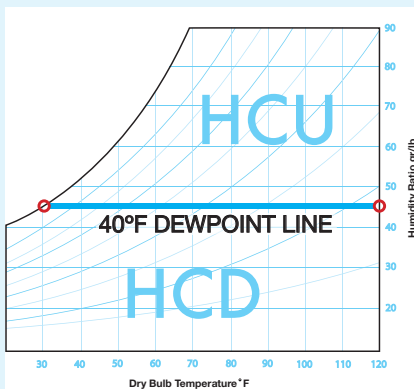
Munters has obtained more than 25 patents in desiccant technology and offers the most desiccant options available. By utilizing Munters equipment for your rental fleet you are offering your customer the best in desiccant drying technology. Rental and Temporary Humidity Control (THC) drying performance is not simply dependent on the rotor design and desiccant formulation.

All desiccant systems need to optimize the following variables for true energy efficiency, without forgoing deep drying:

- Minimum reactivation kW for each dryer
- Optimal desiccant wheel speed and rotor depth for deep drying
- Relay Logic Units available as well as PLCs for optimized controls
- External static pressure to allow long duct runs (typ. 3" WC external static pressure)

## What Style Munters Rental Unit Should I Use?

- If you need control at a 40°F dewpoint or lower:  
» Use Munters HCD Desiccant Dryers
- If you need control at a 40°F dewpoint or higher:  
» Use Munters DryCool™ Hybrid Units

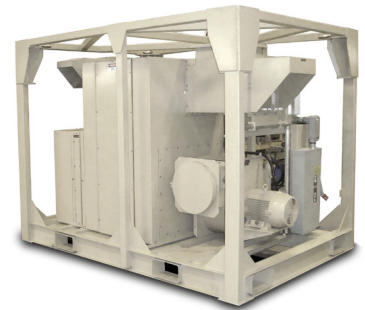


## HCD Series

These desiccant dehumidifiers are designed for use in large scale, deep drying dehumidification projects. With many options available, they can be customized to meet the user's specific needs.

### Systems Features

- Minimal energy usage
- All-welded construction
- Supply air at -55°F dewpoint is attainable
- Optional roll cages allow dryers to be stacked
- 400mm deep wheels allow more than 2x the drying and lifespan of competitive units
- Seal ensures lack of leakage—allows air pressures up to 8" W.G. with five-year life expectancy
- Optional: Direct fired reactivation with modulating valve for natural or propane gas
- Airfoil, direct drive fans with TEFC motors
- Fans provide 3" external static for longer duct runs



## DryCool™ Rental Series

These proven hybrid desiccant systems use recycled energy for optimal system performance. With no need for supplemental wheel heat for reactivation, DryCool™ Rental gives you 40 to 45°F dewpoints using 30-40% less energy than cooling DX systems.

### Benefits for THC projects

- Smaller generators, thus less diesel fuel compared to equivalent tonnage cooling units
- Lower dewpoints than DX or LGR type units
- Space neutral delivered air temperatures improve controlled space comfort



# Rental Units Performance Table

Unit	Air Flow, Nominal CFM	Moisture Removal 80°F, 60% RH (lbs/hr)	Efficiency (BTUH per lb of H <sub>2</sub> O removed)	Dry Air External Static Pressure	Dimensions LxHxW (in.)	Weight (lbs.)	Power	Power Required, Full Load Amps	Dry Air Duct Connections	Recommended Generator Size, kW ( kVA)	Gas Reactivation Available
ComDry 190Y	77	0.9	3400	MINIMAL, NO DUCTING, INTEGRAL CONDENSER	17.5 x 14.4 x 10.7	44	115v/1/60	8.8	4"	-	No
HC-150-I	150	4	2474	.75" ESP	26 x 19 x 20	70	230v/1/60	15	4.5"	-	No
HC-150-R	150	2.2	2327	.75" ESP	26 x 19 x 20	70	115v/1/60	17	4.5"	-	No
M-300-C	177	3.28	2029	.28" ESP	32 x 25 x 16	100	115v/1/60	22	5"	-	No
HC-300	300	9.6	2133	1.75" ESP	30 x 24x 24	110	230v/1/60	33	7.5"	-	No
HCD-600-R	600	19	1968	6" ESP	74 x 72 x 42	750	460v/3/60	23.9	8"	20 (25)	No
HCD-750-R	750	9.8	1568	4.5" ESP	48 x 61.75 x 29.5	600	230v/1/60	30	8"	20 kW (25)	-
HCD-1125-R	1125	36	1983	3" ESP	88 x 72x 45	1000	460v/3/60	40.8	12"	36 (45)	Yes
DHi-20-CP	1300/2000	45	1807	2.0" ESP	85 x 51.5 x 30	850	460v/3/60	37.1	12"	30 kW (45)	-
HCD-2250-R	2250	72	1982	3" ESP	105 x 78 x 47	1100	460v/3/60	71.7	12"	56 (70)	Yes
DHi-35-PP	2250/3500	76	1886	2.0" ESP	108 x 70.3 x 46	1625	460v/3/60	68	12"	50 kW (70)	-
R-5000	5000	157	1826	5.0" ESP	99 x 100 x 52	4100	460v/3/60	125	18" or 20"	100 kW (125)	Electric and Gas
R-10000	10000	330	1861	5.0" ESP	180 x 100 x 90	7,500	460v/3/60	282	(2) 18"/20" Returns, (2) 18"/20" Supply	225 kW (250)	Electric and Gas
R-15000	15000	405	1955	5.0" ESP	211 x 88 x 104	11,200	460v/3/60	380	(3) 18"/20" Returns, (3) 18"/20" Supply	303 kW (320)	Electric and Gas
DryCool™ Rental 3000	3000	98	662	3.0" ESP	121 x 75.5 x 62	2800	460v/3/60	33	20"	27 kW (45)	No. React is Waste Compressor Heat
DryCool™ Rental 6000	6000	195	852	3.0" ESP	151.5 x 88.6 x 88.6	5000	460v/3/60	82	(2) 20" Returns, (1) 20" Supply	66 kW (82)	No. React is Waste Compressor Heat
DryCool™ Rental 8000	8000	262	707	3.0" ESP	152.5 x 104.4 x 89.4	6340	460v/3/60	98	(2) 20" Returns, (1) 20" Supply	78 kW (82)	No. React is Waste Compressor Heat
Duracase	8800	288	1066	4" ESP	240 x 97 x 102	8000	460v/3/60	166 amps	(3) 18" Supply	100 kW (125)	No. React is Waste Compressor Heat

HCD-R MODELS INCLUDED AS STANDARD: 30% PREFILTER  
 REACT WEATHERHOODS OR SQUARE TO ROUND TRANSITIONS  
 (CUSTOMER MUST SELECT COMBINATION REQUIRED)  
 SUPPLY OUTLET SQUARE TO ROUND TRANSITION  
 SUPPLY INLET WEATHERHOOD OR SQUARE TO ROUND TRANSITION  
 (CUSTOMER MUST SELECT COMBINATION REQUIRED)  
 PHASE MONITOR

DISCONNECT, KNIFE OR THRU THE DOOR (CUSTOMER MUST SELECT WHICH IS REQUIRED)  
 STRUCTURAL STEEL SKID WITH FORK LIFT OPENINGS (FRONT TO BACK ONLY)  
 CASTERS  
 RELAY LOGIC OR SIEMENS S7-200 (CUSTOMER MUST SELECT WHICH IS REQUIRED)

Options for Munters R- (Rental) Products:  
 Round Inlet & Outlet Duct Connections: 18" or 20"  
 Cage: Yes or No  
 Power: 480v/3/60 and 575/3/60 (for Canada)  
 React: Optional Gas Only. Optional Electric Only.  
 Skid & Cage Finish: Painted Steel or Hot Dipped Galvanized  
 Unit Color: Gray is standard. Custom colors available.

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