

# SPECIFICATIONS

SPECIFICATIONS	DD3000	DD6000	DD9000	DD12000
Height (inch)	55	55	70	70
Width (inch)	85	85	95	95
Depth (inch)	39	39	55	55
Weight (lbs)	1,114	1,234	1,675	2,998
Voltage (V)	220 /460	220/460	220/460	220/460
Phase	3	3	3	3
Frequency (Hz)	60	60	60	60
Total Power (kW)	25	50	67	94
Regeneration Heater Power Requirements (kW)	22	45	59	84
Gas Regeneration Option (Usage)	Y	Y	Y	Y
Steam Regeneration Option (m3/hr)	7.0	14.5	14.7	8.0
Electric Regeneration Option (kW)	22	45	67	94
Process Airflow Maximum – Dry Air (cfm)	1,765	3,531	5,297	7,062
Process Airflow Static Pressure (WG)	5	4.4	4.4	3.6
Regen Airflow Nominal – Wet Air (cfm)	423	835	1,118	1,530
Regen Airflow Static Pressure (WG)	3.2	5.4	4.8	4.4
Process Air Outlet Dia (inch)	16	16	18	18
Process Air Inlet (L X W)	29 X 21	29 X 21	33 X 25	39 X 29
Regen Air Outlet Dia (inch)	10	10	12	14
Regen Air Inlet (L X W)	19 X 19	19 X 19	19 X 19	23 X 23
Rotor Wheel Speed (rph)	10.2	10.2	10.2	10.2
Rotor Size dia X depth (inch)	25.5 X 7.9	33.5 X 7.9	41.3 X 7.9	49.2 X 7.9
Munters / Proflute Desiccant Wheel	Y	Y	Y	Y
Typical Extraction @ 60°F 60%RH (ppd)	840	1,641	2,246	3,173
Min Operating Temperature (°F)	-4	-4	-4	-4

## APPLICATION

Dehumidifiers are required wherever there is a need to lower the humidity level to prevent corrosion, mold growth and condensation or maintain a low humidity condition during manufacture, packaging or storing of hygroscopic products.

## METHODS OF DEHUMIDIFICATION

Dehumidification is possible using two possible principles, Condensation with refrigeration style dehumidifiers and Adsorption with desiccant dehumidifiers. Desiccant dehumidifiers perform exceptionally well when used in cooler climates, or when a low dew-point, deep drying or low humidity levels are required. Since desiccant dehumidifiers do not produce water, they will work effectively down to sub zero temperatures.

Their operation is simplistic yet extremely effective and reliable. Air (Process Air) is drawn into the dehumidifier, where it passes over a wheel impregnated with Silica Gel. As the air passes over this wheel, any moisture present in the air is absorbed into the Silica Gel wheel before leaving the dehumidifier as warm dry air.

The Silica Gel wheel is continually, slowly rotating, typically at three revolutions per hour. As the wheel rotates, a small portion passes through the regeneration segment. During this phase a second air stream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this air stream; this hot wet air is then exhausted outside the area being dried.



# DD3000 - DD12000 RANGE



**PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,  
WATER DAMAGE, COLD STORES, POWER STATIONS, PLASTICS**

# HOW A DEHUMIDIFIER WORKS

Process air is drawn into the dehumidifier.

Process air passes over a wheel impregnated with silica gel.

The silica gel absorbs the moisture from the air.

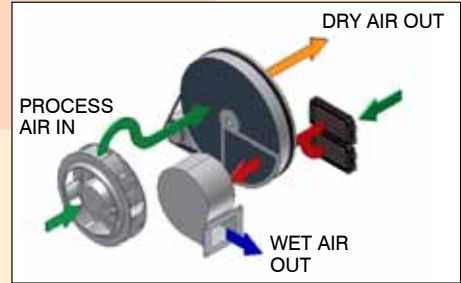
Process air leaves the dehumidifier as warm dry air.

The silica gel wheel continually rotates.

Regeneration air is heated to a high temperature and passed over a segment of the wheel.

Silica gel releases the moisture from the wheel into the regeneration air.

Regeneration air leaves the dehumidifier as warm wet air and exhausted outside.



Applications	DD3000 - DD12000
Offices	✓
Shops	✓
Restaurants	✓
Warehouses	✓
Basements	✓
Factories	✓
De-Flooding	✓
Pharmaceutical	✓
Defense Industry	✓
Confectionary	✓

Applications	DD3000 - DD12000
Laboratories	✓
Medical	✓
Food Industry	✓
Agriculture	✓
Cold Stores	✓
Hospitals	✓
Hotels	✓
Stadiums	✓
Ships	✓

## WHY CHOOSE EIPL

EIPL is Europe's leading manufacturer of dehumidifiers and is a name you can rely on. No matter how extreme the conditions EIPL's efficiency copes comfortably even at the coldest temperatures.

## RUGGED CONSTRUCTION & YEARS OF SERVICE

Over forty years of development experience means you can rely on the proven track record of the EIP range of dehumidifiers. Every dehumidifier is designed for efficiency and ruggedness, and built to last. The popularity of EIP Ltd's dehumidifiers with the plant hire trade speaks for their reliability, portability and outstanding durability.

## DD3000 - DD12000

The EIPL desiccant dehumidifiers all incorporate the well proven, Proflute / Munters desiccant wheels thereby ensuring their products, as a minimum, equal performance to major competitors products. This range of large desiccant dehumidifiers, have been designed to accommodate a wide range of regeneration heat sources, ie electric, steam and gas, thereby ensuring a wide variety of installations are accommodated.

The programmable electronic controller, and high capacity EC process fan, allows easy installation and also the flexibility for the end user to fine tune drying capacities catering for, high extraction, high efficiency or deep drying, depending upon the final application.

Facility for an external humidistat allows remote control of the drying cycle. All models incorporate a high efficiency patented PPS Rotor. This design incorporates an 82% active Silica Gel to ensure optimum performance over the equipments wide operating range of environments. All desiccant rotors supplied by EIPL are washable, and designed for high performance / long life.

The chassis design incorporates access points for fork lifts and pallet trucks, allowing for easy maneuvering into awkward site locations. All side panels are removable, allowing for easy servicing and maintenance.

Should a fault arise various fault indicator lamps allow easy diagnostics and thereby minimum downtime.

