

SPECIFICATIONS

SPECIFICATIONS	10650GR-US	10651GR-US
Height (inch)	63	63
Width (inch)	80	80
Depth (inch)	34	34
Weight (lbs)	463	463
Voltage (V)	220	460
Current (A)	30	15
Phase	3	3
Frequency (Hz)	60	60
Power (kW)	11.8	11.8
Process Airflow Maximum – Dry Air (cfm)	883	883
Process Airflow Nominal – Dry Air (cfm)	705	705
Regen Airflow Nominal – Wet Air (cfm)	195	195
Process Air Inlet (L X W) (Inch)	19 X 15	19 X 15
Process Air Outlet Dia (inch)	12	12
Regen Air Inlet (L X W) (Inch)	26.5 X 17.25	26.5 X 17.25
Regen Air Outlet Dia (inch)	12	12
Rotor Wheel Speed (rph)	13.6	13.6
Rotor Size dia X depth (inch)	13.8 X 7.9	13.8 X 7.9
Typical Dry Air Off – High Extraction (%)	9	9
Typical Dry Air Off – High Efficiency (%)	12	12
Typical Dry Air Off – Deep Drying (%)	5	5
Min Operating Temperature (°F)	-4	-4
Max Operating Temperature (°F)	104	104

FEATURES	DD1200-HE
On/Off Control	✓
Adjustable Thermostat	✓
Electronic Touch Screen Controls	✓
Manual / Automatic Mode Selection	✓
Remote Humidity Sensor Facility	✓
Hours Run Meter	✓
EC High Efficiency Fans	✓
Variable Fan Speeds	✓
High Capacity PTC Heaters	✓
Process / Regen Air Filter	✓
Dual Air Inlet Design	✓
Free Standing	✓
Status Indicators	✓
Self Contained	✓
Stainless Steel Construction	○
Inlet Duct Attachments	○
High Temperature Safety Cut-outs	✓

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 airstream (Regeneration Air) is heated to a high temperature before passing over the wheel. Any moisture present in the wheel is released into this airstream; this hot wet air is then exhausted outside the area being dried.

KEY DESIGN FEATURES

- Touch Screen Control
- Energy Recovery by reheating regeneration airstream
- Energy saving by reducing the room AC loading to compensate for higher return air temperatures
- EC High Efficiency Backward Curve Fans
- Infinitely Variable Fan Speed

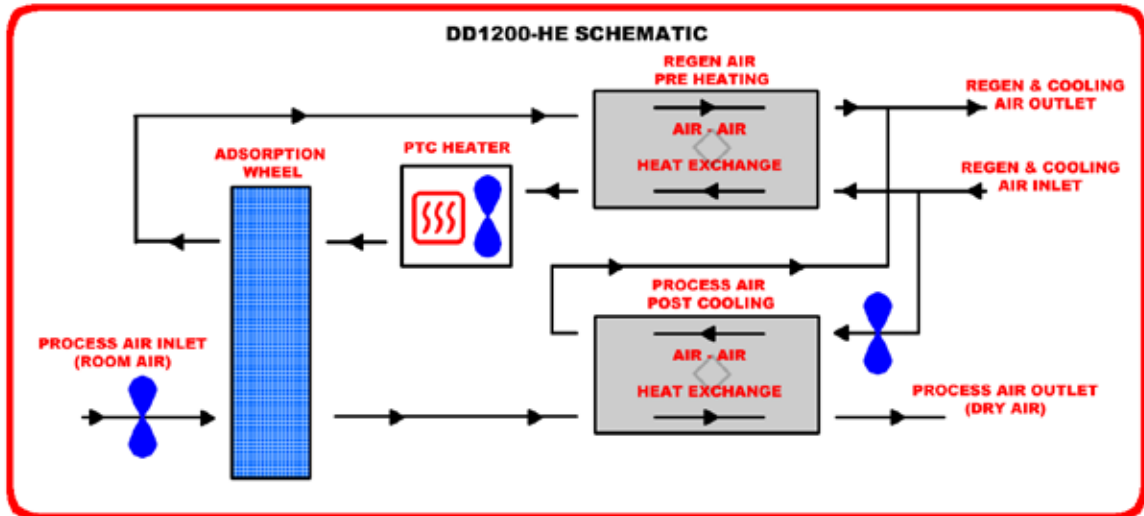


DD1200-HE DESICCANT DEHUMIDIFIER



PHARMACEUTICAL, CONFECTIONARY, DEFENSE INDUSTRY,
COLD STORES, POWER STATIONS, PLASTICS

HOW THE DD1200-HE SAVES ENERGY



ENERGY SAVING FEATURE (PATENT PENDING)

External ambient air enters via Regen / Cooling Air inlet.

This airstream then splits into 2 routes through the DD1200-HE dehumidifier

- With the aid of the cooling fan, air passes through the Process Air, Post Cooling Heat Exchange, where the return Process Air is cooled. The amount of cooling is regulated by the fan speed, the goal being to maintain the same return temperature as the process air inlet conditions
- Passes through the Regen Pre Heating, Heat Exchange where the air is heated by the Regeneration Airflow.

These 2 airstreams join into a single airstream before leaving the dehumidifier.

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 thirty-seven 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.



80°F 60% - Example Settings

	High Extraction	High Efficiency	Deep Drying
Process Airflow (cfm)	824	706	589
Regen Airflow (cfm)	235	194	235
Regen Temperature Rise (°F)	230°F (110°C)	194°F (90°C)	230°F (110°C)
Extraction (ppd)	562	402	508
Dry Air Off (%)	9	12	5

Applications	DD1200-HE
Confectionary	✓
Laboratories	✓
Medical	✓
Pharmaceutical	✓
Defence Industry	✓

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