



- > Lower footprint/weight per m³/hr
- > A unique triple point control on all machines over 1500 m³/hr, measuring the regeneration temperature onto the wheel, the wheel off temperature (wet air) and the RH or Dew point of the air being dried. This combination ensures the amount of energy input is relevant to the moisture being extracted. This can be applied to 500 m³/hr units as option extra.
- > Numerous options available, pre-heaters and coolers, post heaters and coolers, humidifiers and many other variations as special machines.
- > Filters up to F7 as standard with HEPPA & ULPA available.
- > Highly efficient Silica Gel Rotor for efficiency & durability, high moisture removal efficiency with the lowest energy costs.
- > Various regeneration options available on units above 1500 m³/hr. All options are fully modulating.

## **APPLICATIONS**

- ightarrow SILOS ightarrow FOOD INDUSTRIES ightarrow PHARMACEUTICAL
- ightarrow TIMBER DRYING ightarrow MILITARY STORAGE ightarrow PACKAGING
- → ARCHIVE STORAGE → FREEZER STORAGE → POWDER MANUFACTURE



## **SPECIFICATIONS**

**Process Airflow Nominal** 

Process Pre filter  $15 \times 600 \times 600$  pleated panel G4 No / Size / Grade Process main filter  $15 \times 600 \times 600$  rigid bag F7 N / Size / Grade

50000

m<sup>3</sup> / hr

kW

kg

High Perf Silica Gel Rotor 3300 x 200 mm

Desiccant Wheel Rotation Speed 10 RPH

Process Fan Model DD SRER-13-01220

Motor Power 22 kW

Moisture Removal

 20°C @ 40% RH
 301.8
 kg / hr

 20°C @ 60% RH
 412.8
 kg / hr

 25°C @ 60% RH
 453.6
 kg / hr

30°C @ 80% RH 520.2 kg / hr
Total Pressure / External Pressure 1154 / 465 Pa

Regeneration Airflow Nominal 18150 m³ / hr

Regeneration Filter 8 x 600 x 500 pleated panel G4 No / Size / Grade
Heater Option Electric Thyristor control Electric PTC

Heater Power (on startup) 756.3 kW

Heater Power (after initial start)

453.8 kW

Heater option Electric | Gas | Steam \*\*\*
Fan Model DD SRER-15-0800

Total Pressure / External Pressure 1039 / 443.5 Pa

7.5

 Electrical Supply
 3p/N/E 50 / 60 Hz
 1p/N/E

 Voltage
 380 | 415
 V / Ac

 Electrical Input Power (on start up)
 29.5
 kW

Amps per phase 44.87 | 41.09 | ------ A/Phase \*\*

ΔPa Process / Regeneration / Pre-purge 215 / 266 / 184 Pa

**Dimensions** 4000 x 3800 x 3900 L x W x H mm

Process Inlet $2000 \times 900$ mmProces Outlet $1250 \times 850$ mmRegeneration Inlet $1200 \times 1000$ mmRegeneration Outlet $1000 \times 500$ mm

4200

Process and regeneration fan supplied with a VSD control.

\* pressure readings at dirty filter condition

\* Electrical power consumption on electric

\*\*\* Regeneration options.

1. electric thyristor control fully modulating not available above Dryair !0000 VRF

2. Natural gas direct fired fully modulating

Please note this value does not include regeneration if electric.

3. Liquified petroleum Gas direct fired fully modulating

4. Steam minimum 5 Bar(g) fully modulating but dry steam must be supplied

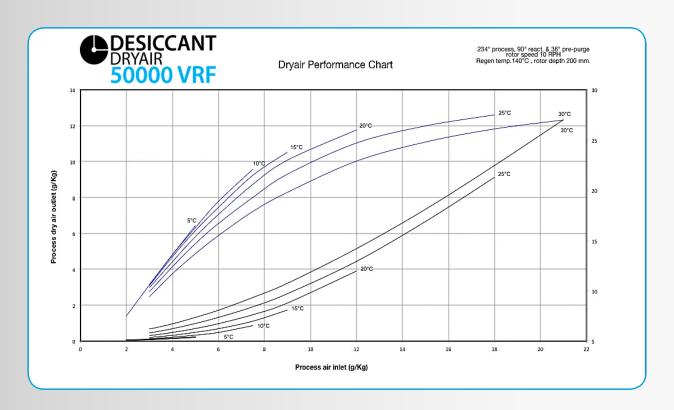
5. HPHW High pressure hot water fully modulating.

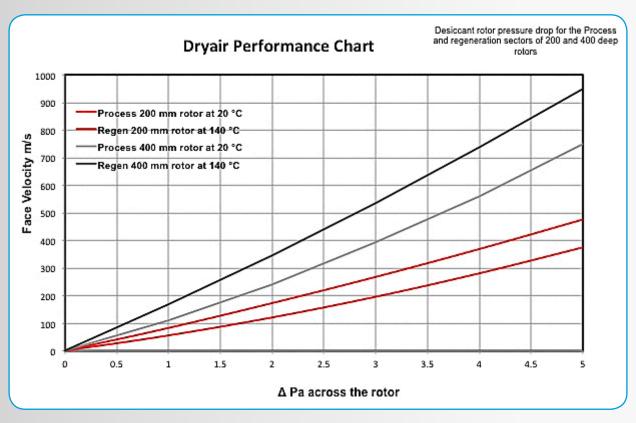
Motor Power

Weight



## PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST







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