



- ▶ Lower footprint/weight per m<sup>3</sup>/hr
- ▶ A unique triple point control on all machines over 1500 m<sup>3</sup>/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 m<sup>3</sup>/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 m<sup>3</sup>/hr. All options are fully modulating.



## APPLICATIONS

DRYING • SILOS • MILITARY STORAGE • ARCHIVE STORAGE • FREEZER STORAGE • PHARMACEUTICAL • PACKAGING • POWDER MANUFACTURE • FOOD INDUSTRIES

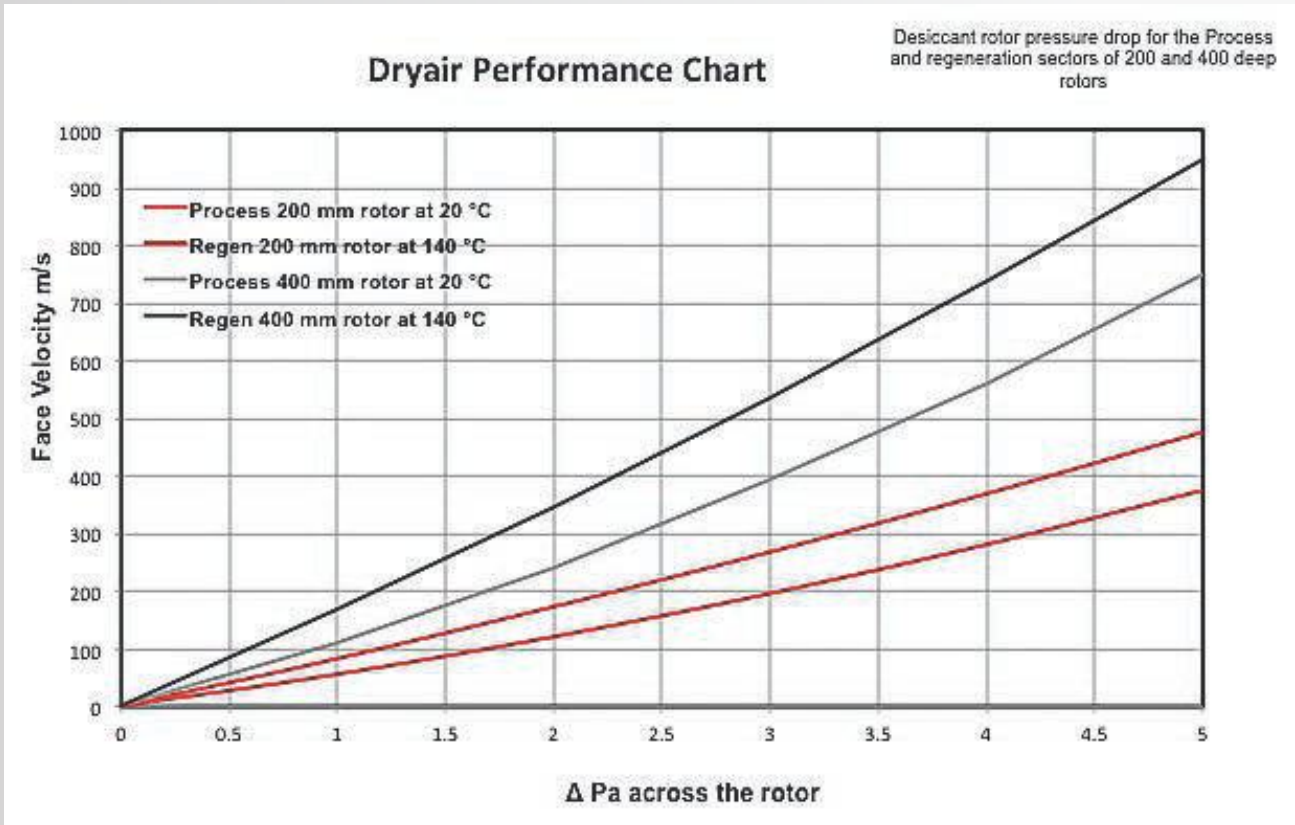
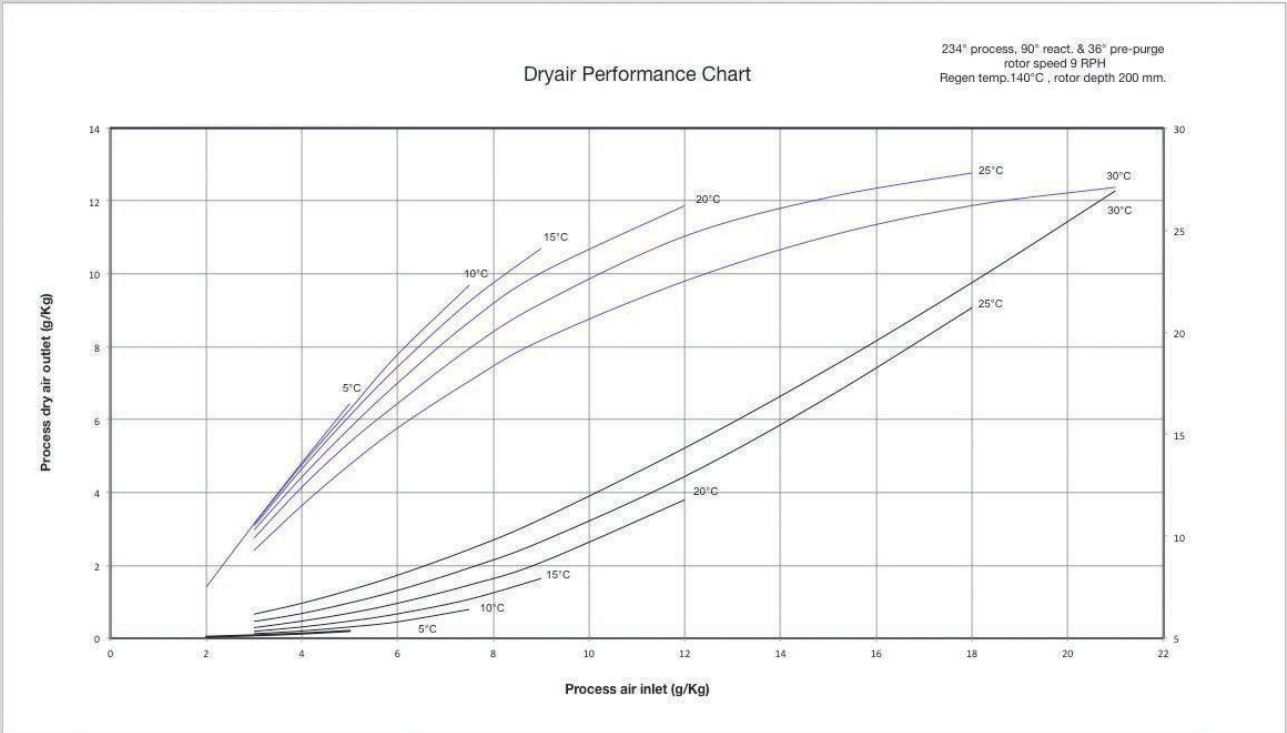
## SPECIFICATIONS

|                                      |                                |                     |
|--------------------------------------|--------------------------------|---------------------|
| <b>Process Airflow Nominal</b>       | 4000                           | m <sup>3</sup> / hr |
| Process Pre filter                   | 2 x 600 x 500 Pleated panel G4 | No / Size / Grade   |
| High Perf Silica Gel Rotor           | 965 x 200                      | mm                  |
| Desiccant Wheel Rotation Speed       | 9                              | RPH                 |
| Process Fan Model                    | DD SRER-11-0355                |                     |
| Motor Power                          | 1.50                           | kW                  |
| <b>Moisture Removal</b>              |                                |                     |
| 20°C @ 40% RH                        | 24.19                          | kg / hr             |
| 20°C @ 60% RH                        | 33.22                          | kg / hr             |
| 25°C @ 60% RH                        | 36.29                          | kg / hr             |
| 30°C @ 80% RH                        | 41.86                          | kg / hr             |
| <b>Post cooling / 10°C off temp</b>  | 48.80                          | kW                  |
| Medium                               | 18.624                         |                     |
| Refrigerant                          | R407C                          |                     |
| Compressor                           | 4EES-6Y                        |                     |
| Compressor input power (max)         | 13.06                          | kW                  |
| COP/EER                              | 3.18                           |                     |
| Condensing capacity                  | 81.90                          | kW                  |
| Expansion valve                      | Electronic                     |                     |
| Valve control                        | From onboard PLC               |                     |
| Hot gas bypass                       | Yes                            |                     |
| <b>Post heating / 2.0°C - 20.0°C</b> | 33.33                          | kW                  |
| Control                              | 0 - 10 Vdc Thyristor           |                     |
| <b>Post humidification</b>           | 0.00                           | kg/Hr               |
| Type                                 | Electric Thyristor control     | kg/Hr               |
| Input Power Max                      | 6                              | kW                  |
| Thermal protection                   | yes                            |                     |
| Water connection                     | 0.5" BSP(T) Female             |                     |
| Drain connection                     | 0.75" BSP(T) Female            |                     |
| <b>Regeneration Airflow Nominal</b>  | 1452.00                        | m <sup>3</sup> / hr |
| Regeneration Filter                  | 1 x 600 x 500 Pleated panel G4 | No / Size / Grade   |
| Heater Option                        | Electric   Gas   Steam         | Electric PTC        |
| Heater Power (on startup)            | 60.50                          | kW                  |
| Heater Power (after initial start)   | 36.30                          | kW                  |
| Fan Model                            | DD SRER-11-0200                |                     |
| Motor Power                          | 0.37                           | kW                  |
| Total Pressure / External Pressure   | 919 / 356.75                   | Pa                  |
| <b>Electrical Supply</b>             | 3p/N/E 50 / 60 Hz              | 1p/N/E              |
| Voltage                              | 380   415                      | V / Ac              |
| Electrical Input Power (on start up) | 114.76                         | kW                  |
| Amps per phase                       | 174.57                         | A/Phase **          |

## SPECIFICATIONS

|  |                    |              |
|--|--------------------|--------------|
| $\Delta$ Pa Process / Regeneration / Pre-purge | 198 / 247 / 145    | Pa           |
| <b>Dimensions</b>                              | 3700 x 1100 x 2400 | L x W x H mm |
| Process Inlet                                  | 900 x 500          | mm           |
| Process Outlet                                 | 4                  | mm           |
| Regeneration Inlet                             | 500 x 500          | mm           |
| Regeneration Outlet                            | 2                  | mm           |
| <b>Weight</b>                                  | 1800               | kg           |

**PERFORMANCE** TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



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