



- 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

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

SPECIFICATIONS

Process Airflow Nominal	5000	m ³ / hr
Process Pre filter	2 x 600 x 500 Pleated panel G4	No / Size / Grade
High Perf Silica Gel Rotor	1050 x 200	mm
Desiccant Wheel Rotation Speed	12	RPH
Process Fan Model	DD SRER-11-0400	
Motor Power	2.20	kW
Moisture Removal		
20°C @ 40% RH	31.32	kg / hr
20°C @ 60% RH	41.34	kg / hr
25°C @ 60% RH	46.02	kg / hr
30°C @ 80% RH	52.68	kg / hr
Post cooling / 10°C off temp	62.84	kW
Medium	Direct expansion refrigerant	
Refrigerant	R407C	
Compressor	4DES-7Y	
Compressor input power (max)	15.38	kW
COP/EER	3.22	
Condensing capacity	97.50	kW
Expansion valve	Electronic	
Valve control	From onboard PLC	
Hot gas bypass	Yes	
Post heating / 2.0°C - 20.0°C	41.67	kW
Control	0 - 10 Vdc Thyristor	
Post humidification	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	
Regeneration Airflow Nominal	1815.00	m ³ / 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)	75.60	kW
Heater Power (after initial start)	45.40	kW
Fan Model	DD SRER-11-0280	
Motor Power	1.10	kW
Total Pressure / External Pressure	RPH / KW	Pa
Electrical Supply	3p/N/E 50 / 60 Hz	1p/N/E
Voltage	380 415	V / Ac
Electrical Input Power (on start up)	141.95	kW
Amps per phase	215.92	A/Phase **

SPECIFICATIONS

Δ Pa Process / Regeneration / Pre-purge

212 / 262 / 160

Pa

Dimensions

3000 x 1300 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

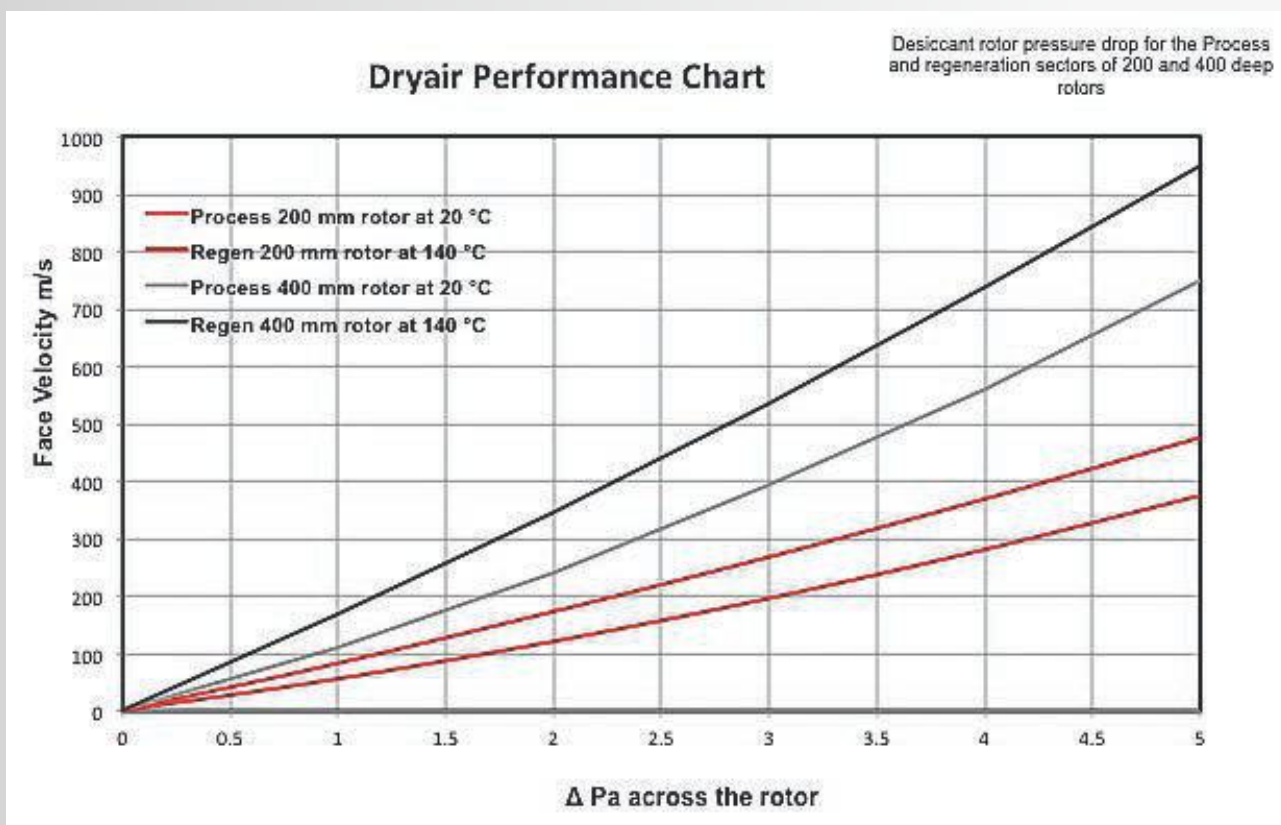
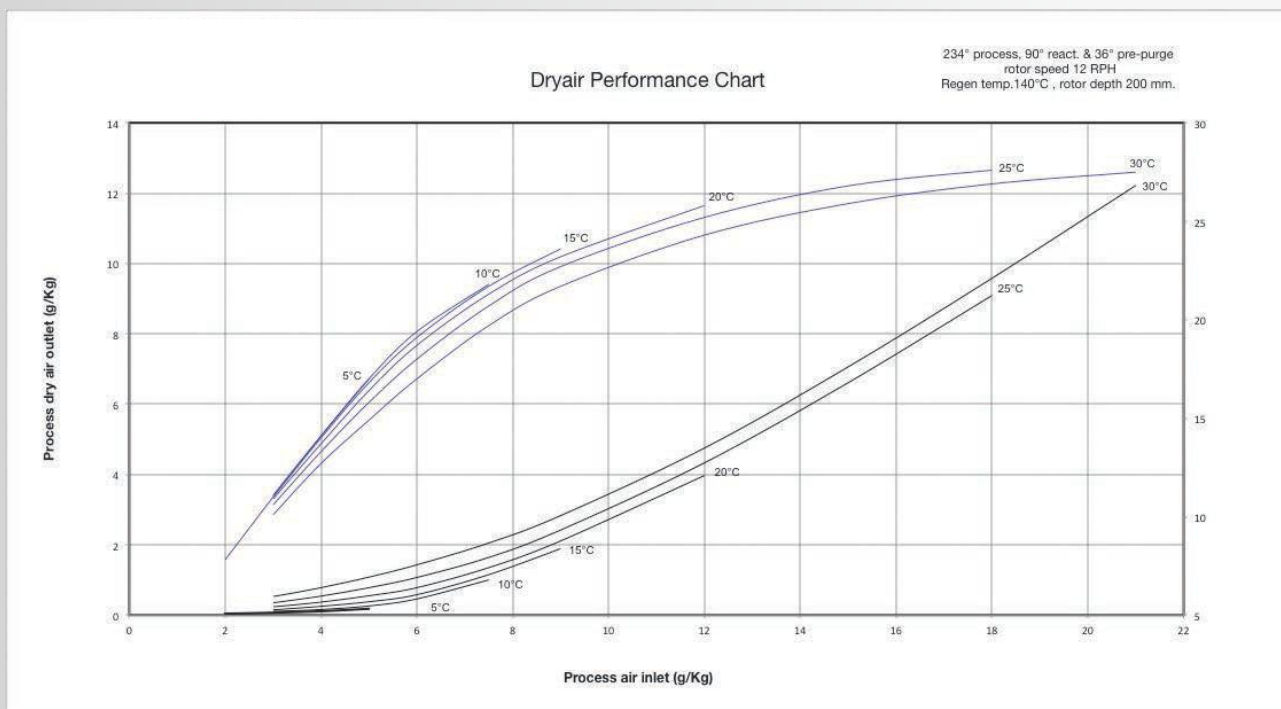
mm

Weight

1800

kg

PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



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