DESICCANT DRYAIR 60000 VRF

> 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

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

DESICCANT DRYAIR 60000 VRF

SPECIFICATIONS

Process Airflow Nominal	60000	m^3 / hr
Process Pre filter	15 x 600 x 600 3 x 600 x 300 pleated panel G4	No / Size / Grade
Process main filter	15 x 600 x 600 3 x 600 x 300 rigid bag F7	N / Size / Grade
High Perf Silica Gel Rotor	3600 x 200	mm
Desiccant Wheel Rotation Speed	10	RPH
Process Fan Model	DD SRER-13-01400	
Motor Power	30	kW
Moisture Removal		
20°C @ 40% RH	361.44	kg / hr
20°C @ 60% RH	494.64	kg / hr
25°C @ 60% RH	541.44	kg / hr
30°C @ 80% RH	623.52	kg / hr
Total Pressure / External Pressure	1142 / 452	Pa
Regeneration Airflow Nominal	21780	m^3 / hr
Regeneration Filter	10 x 600 x 500 pleated panel G4	No / Size / Grade
Heater Option	Electric Thyristor control	Electric PTC
Heater Power (on startup)	907.5	kW
Heater Power (after initial start)	544.5	kW
Heater option	Electric | Gas | Steam	***
Fan Model	DD SRER-15-0900	
Motor Power	11	kW
Total Pressure / External Pressure	1034 / 435	Pa
Electrical Supply	3p/N/E 50 / 60 Hz	1p/N/E
Voltage	380 | 415	V / Ac
Electrical Input Power (on start up)	41	kW
Amps per phase	62.37 | 57.11 | --------	A/Phase **
ΔPa Process / Regeneration / Pre-purge	217 / 268 / 184	Pa
Dimensions	4400 x 4200 x 4100	L x W x H mm
Process Inlet	2000 x 900	mm
Proces Outlet	1400 x 900	mm
Regeneration Inlet	1200 x 1000	mm
Regeneration Outlet	1120 x 580	mm
Weight	5400	kg

Process and regeneration fan supplied with a VSD control.

* pressure readings at dirty filter condition

* Electrical power consumption on electric

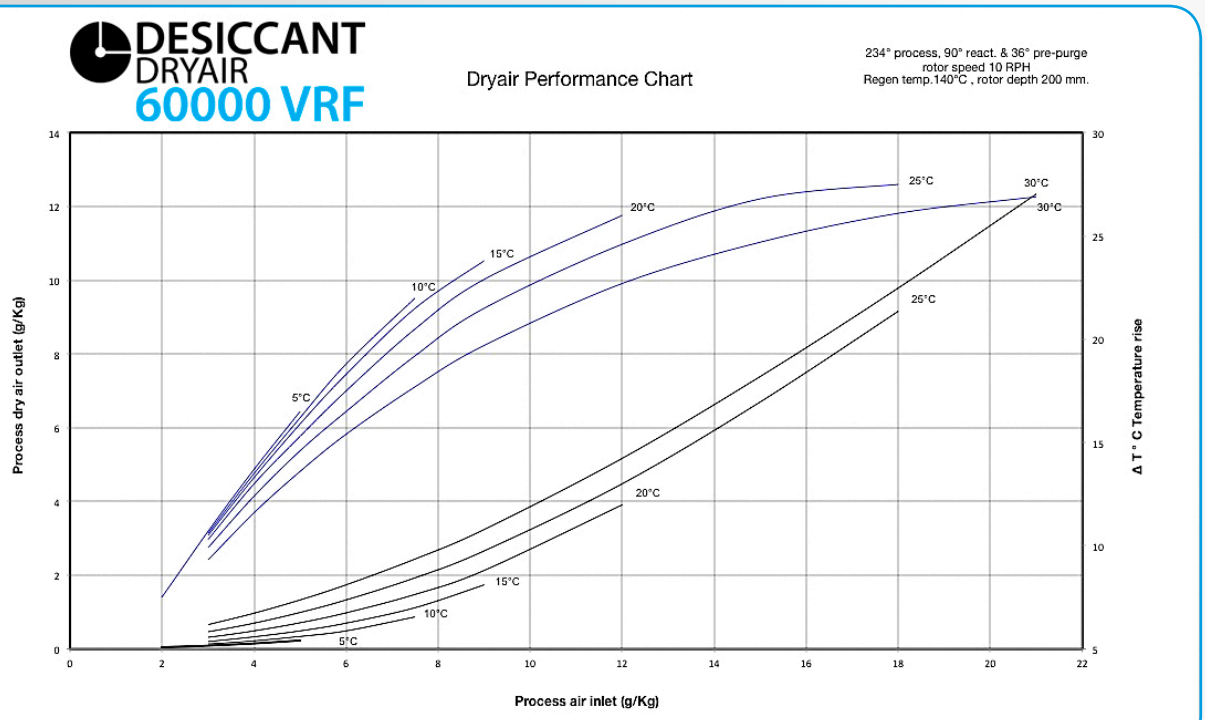
Please note this value does not include regeneration if electric.

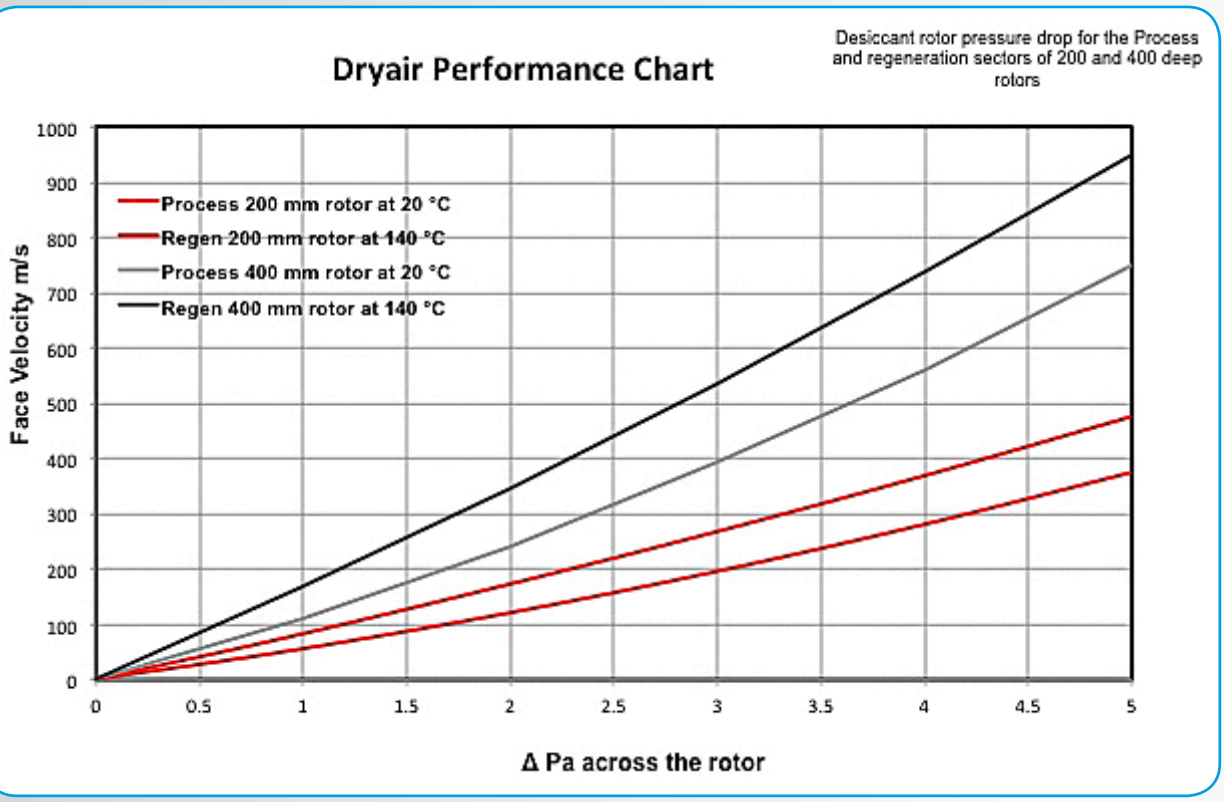
*** Regeneration options.

1. electric thyristor control fully modulating not available above Dryair !0000 VRF
2. Natural gas direct fired fully modulating
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.

DESICCANT DRYAIR 60000 VRF

PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST

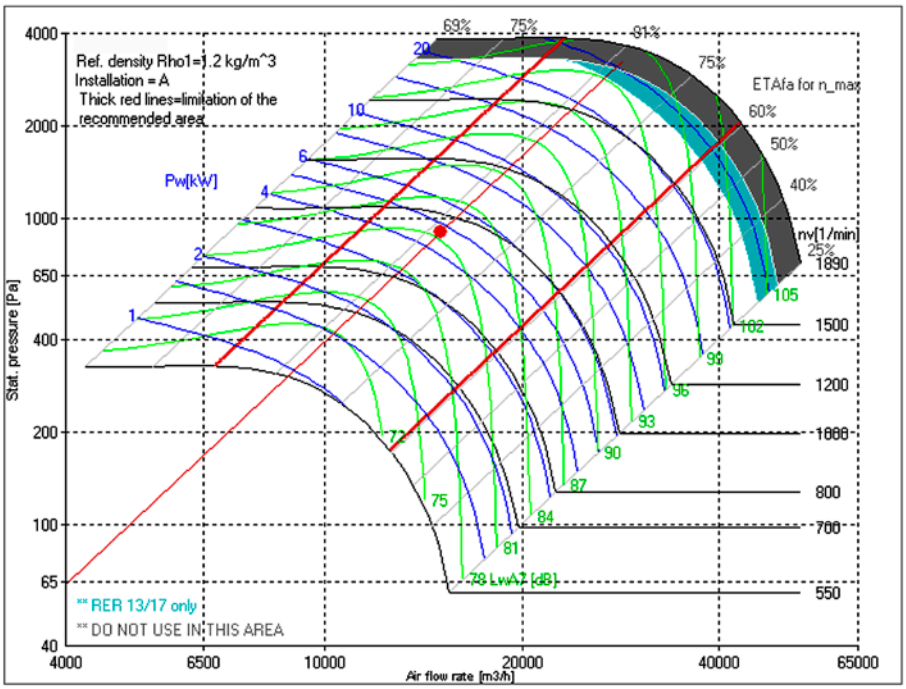




DESICCANT DRYAIR 60000 VRF

PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST

Process Fan Curve for the 60000 VRF



Regeneration Fan Curve for the 60000 VRF