

# DESICCANT DRYAIR 150 VRF



\*Stainless Steel version available



- > 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

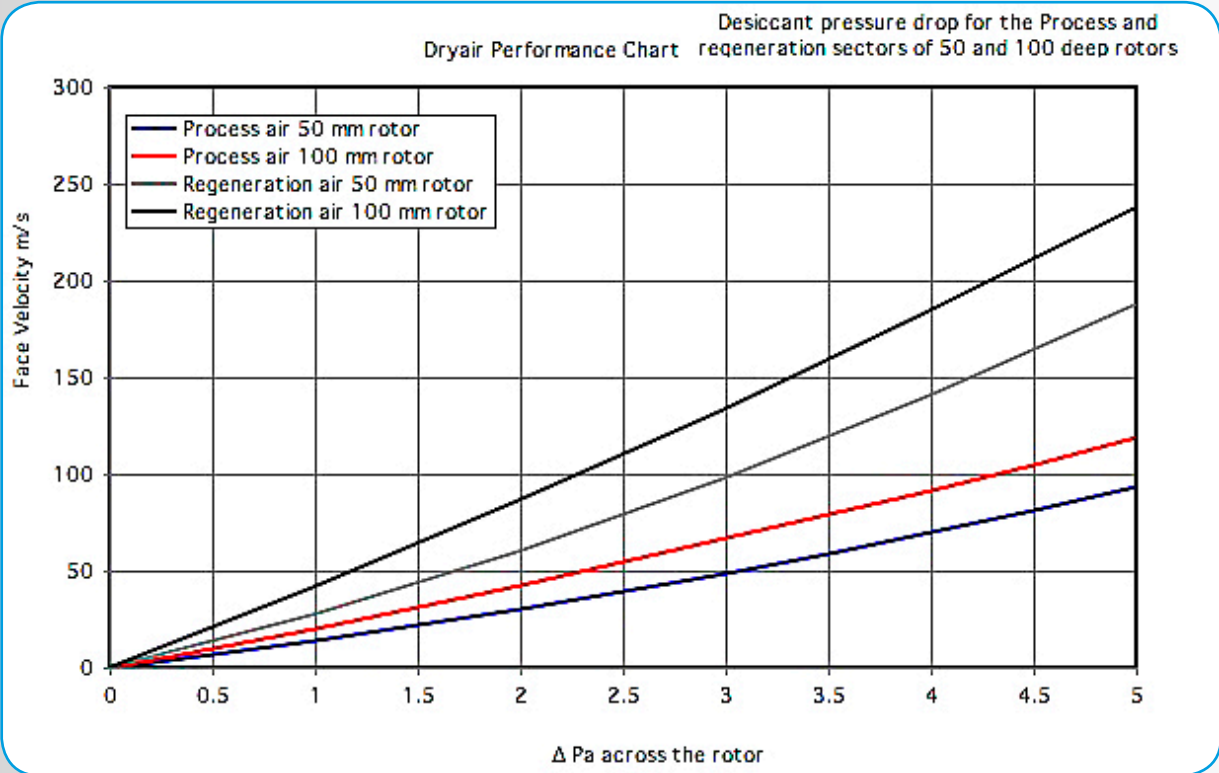
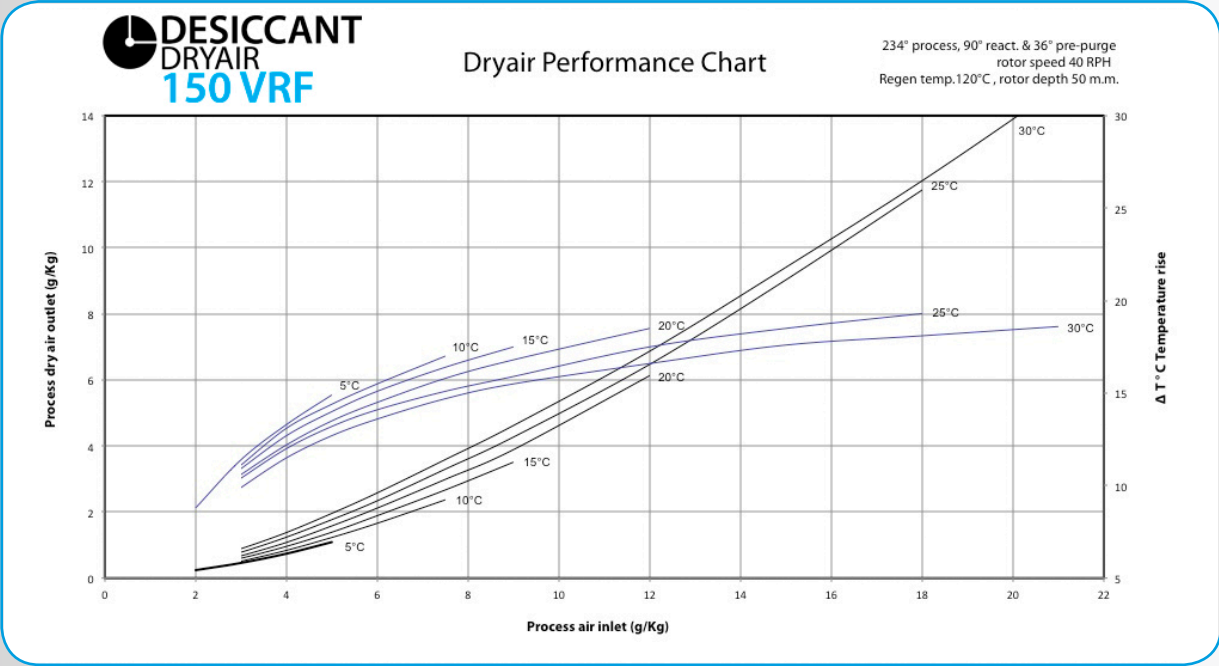
✓ DRYING   ✓ SILOS   ✓ MILITARY STORAGE   ✓ ARCHIVE STORAGE   ✓ FREEZER STORAGE

## SPECIFICATIONS

<b>Process Airflow Nominal</b>	150	m <sup>3</sup> / hr
Process Pre filter	1 x 200 x 200	No / Size / Grade
High Perf Silica Gel Rotor	250 x 50	mm
Desiccant Wheel Rotation Speed	36	RPH
Process Fan Model	DDAS-AA140	
Motor Power	0.176	kW
<b>Moisture Removal</b>		
20°C @ 40% RH	0.6984	kg / hr
20°C @ 60% RH	0.9198	kg / hr
25°C @ 60% RH	0.9954	kg / hr
30°C @ 80% RH	1.1088	kg / hr
Total Pressure / External Pressure	330 / 220	Pa
<b>Regeneration Airflow Nominal</b>	54	m <sup>3</sup> / hr
Regeneration Filter	1 x 140 x 200	No / Size / Grade
Heater Option	Electric PTC	Electric PTC
Heater Power (on startup)	2	kW
Heater Power (after initial start)	1.2	kW
Fan Model	DDAS-AA120	
Motor Power	0.058	kW
Total Pressure / External Pressure	285 / 190	Pa
<b>Electrical Supply</b>	1p/N/E	1p/N/E
Voltage	230	V / Ac
Electrical Input Power (on start up)	6.5	kW
ΔPa Process / Regeneration / Pre-purge	23 / 31 / 19	Pa
<b>Dimensions</b>	350 x 390 x 370	L x W x H mm
Process Inlet	300 x 160	mm
Process Outlet	125	mm
Regeneration Inlet	100	mm
Regeneration Outlet	100	mm
<b>Weight</b>	23.5	kg

\* pressure readings at dirty filter condition

## PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



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