



- ▶ 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 on 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

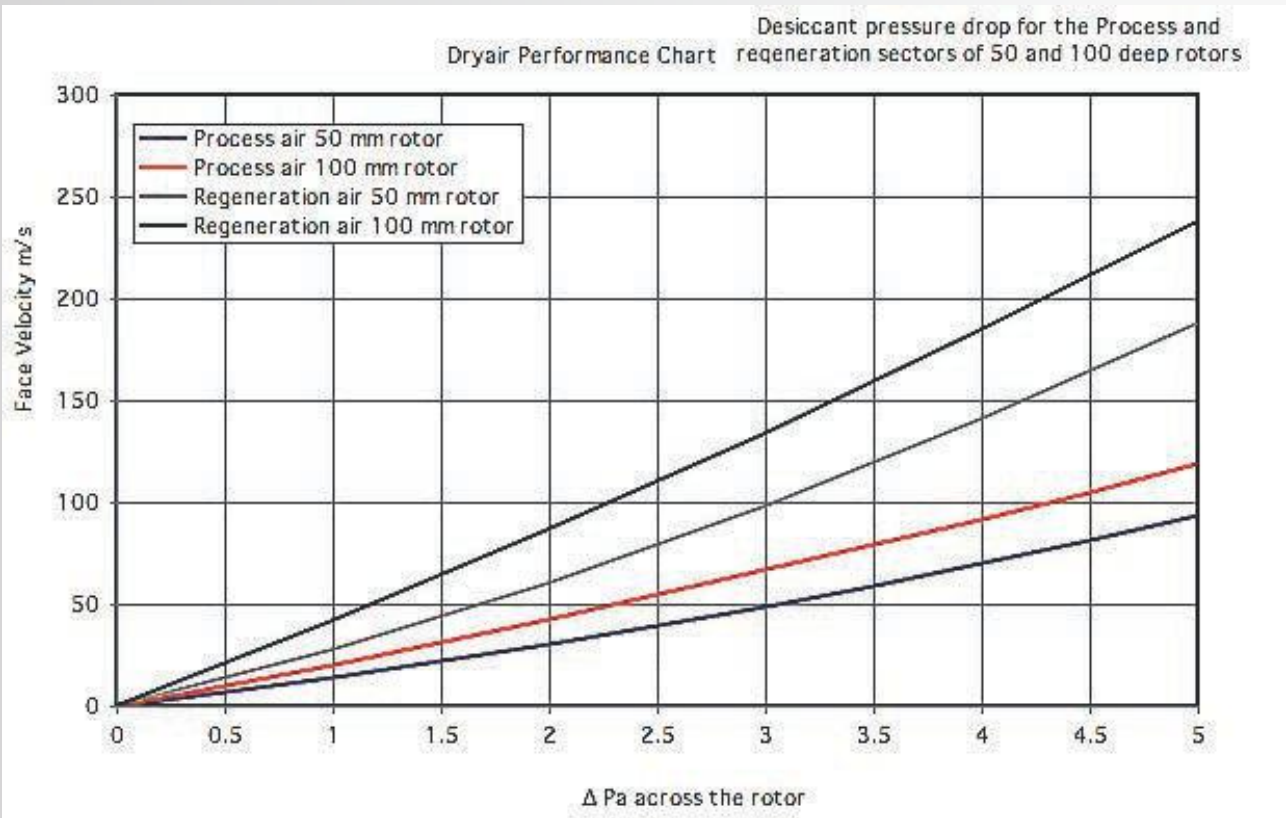
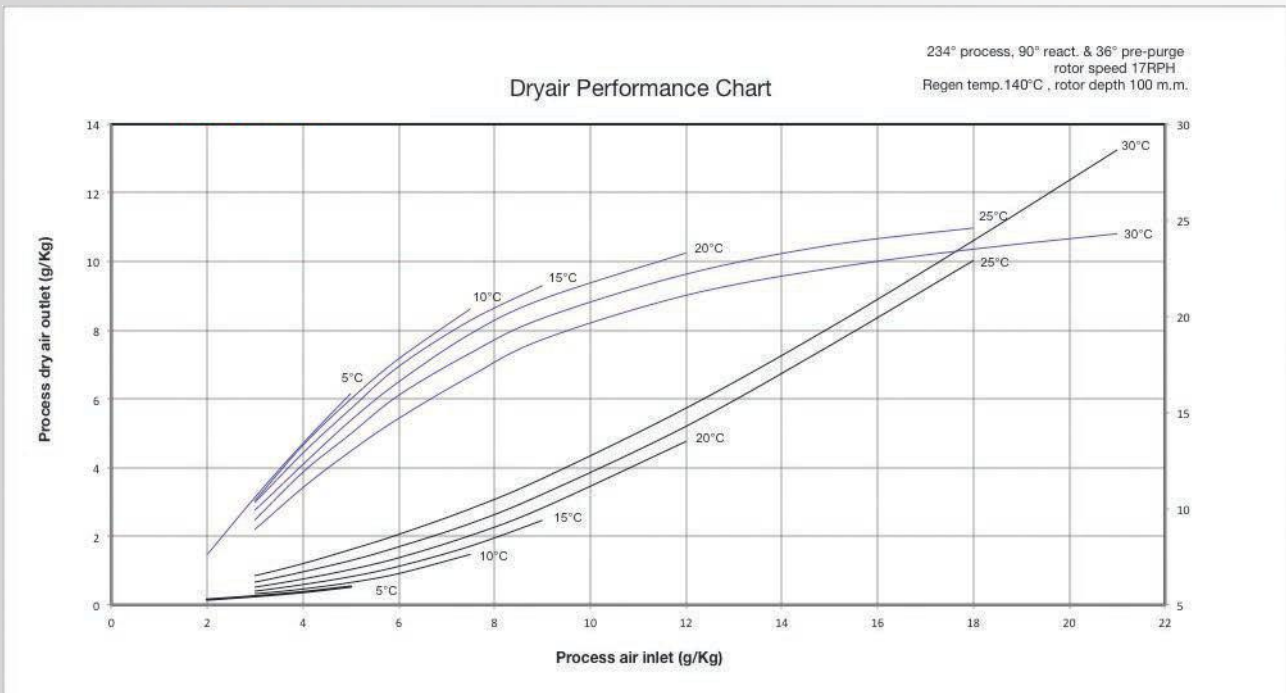
<b>Process Airflow Nominal</b>	1000	m <sup>3</sup> / hr
Process Pre filter	1 x 400 x 300 pleated panel G4	No / Size / Grade
High Perf Silica Gel Rotor	450 x 100	mm
Desiccant Wheel Rotation Speed	17	RPH
Process Fan Model	DD SRER-11-0250	
Motor Power	0.37	kW
<b>Moisture Removal</b>		
20°C @ 40% RH	4.81	kg / hr
20°C @ 60% RH	6.46	kg / hr
25°C @ 60% RH	6.92	kg / hr
30°C @ 80% RH	7.93	kg / hr
<b>Post cooling / 10°C off temp</b>	10.76	kW
Medium	Direct expansion refrigerant	
Refrigerant	R407C	
Compressor	2GES-2Y	
Compressor input power (max)	2.46	kW
COP/EER	3.01	
Condensing capacity	14.78	kW
Expansion valve	Electronic	
Valve control	From onboard PLC	
Hot gas bypass	Yes	
<b>Post heating / 2.0°C - 20.0°C</b>	8.33	kW
Control	PWM SSR	
<b>Post humidification</b>	0.00	kg/Hr
Type	Electric	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>	363.00	m <sup>3</sup> / hr
Regeneration Filter	1 x 400 x 300 pleated panel G4	No / Size / Grade
Heater Option	Electric	Electric PTC
Heater Power (on startup)	15.10	kW
Heater Power (after initial start)	9.10	kW
Fan Model	DDAS-AA160	
Motor Power	0.18	kW
Total Pressure / External Pressure	435 / 89	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)	32.44	kW
Amps per phase	49.34	A/Phase **

## SPECIFICATIONS

$\Delta$ Pa Process / Regeneration / Pre-purge	117 / 144 / 78	Pa
<b>Dimensions</b>	1400 x 600 x 1500	L x W x H mm
Process Inlet	400 x 400	mm
Process Outlet	3	mm
Regeneration Inlet	400 x 400	mm
Regeneration Outlet	2	mm
<b>Weight</b>	1400	kg

# PERFORMANCE

TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



## PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST

