



- ▶ 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

SPECIFICATIONS

Process Airflow Nominal	75	m ³ / hr
Process Pre filter	1 x 160 x 175 Synthetic media	No / Size / Grade
High Perf Silica Gel Rotor	220 x 50	mm
Desiccant Wheel Rotation Speed	40	RPH
Process Fan Model	DDAS-AA108	
Motor Power	0.04	kW
Moisture Removal		
20°C @ 40% RH	0.36	kg / hr
20°C @ 60% RH	0.47	kg / hr
25°C @ 60% RH	0.51	kg / hr
30°C @ 80% RH	0.57	kg / hr
Post cooling / 10°C off temp	0.98	kW
Medium	Direct expansion refrigerant	
Refrigerant	R134a	
Compressor	SC21FX	
Compressor input power (max)	0.34	kW
COP/EER	18.60	
Condensing capacity	1.23	kW
Expansion valve	Electronic	
Valve control	From onboard PLC	
Hot gas bypass	Yes	
Post heating / 2.0°C - 20.0°C	1.50	kW
Control	PWM SSR	
Post humidification	0.00	kg/Hr
Type	Electric	kg/Hr
Input Power Max	3	kW
Thermal protection	yes	
Water connection	0.5" BSP(T) Female	
Drain connection	0.5" BSP(T) Female	
Regeneration Airflow Nominal	27.23	m ³ / hr
Regeneration Filter	1 x 115 x 175 Synthetic media	No / Size / Grade
Heater Option	Electric PTC	Electric PTC
Heater Power (on startup)	1.00	kW
Heater Power (after initial start)	0.60	kW
Fan Model	DDAS-AA108	
Motor Power	0.04	kW
Total Pressure / External Pressure	200 / 140	Pa
Electrical Supply	1p/N/E 50 / 60 Hz	1p/N/E
Voltage	220 230	V / Ac
Electrical Input Power (on start up)	5.91	kW
Amps per phase	15.54	A/Phase **

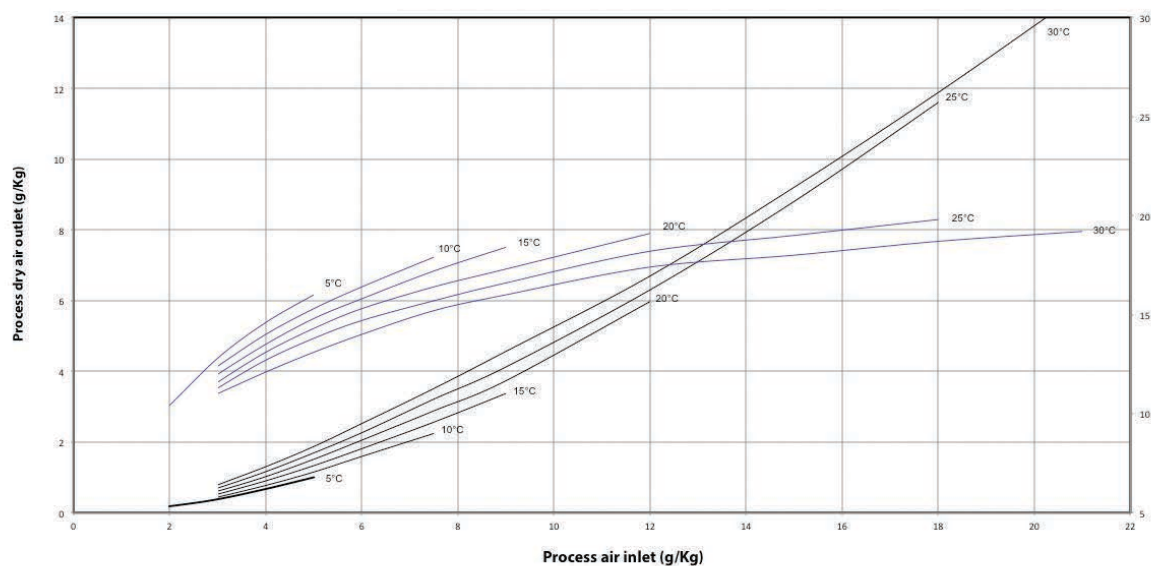
SPECIFICATIONS

Δ Pa Process / Regeneration / Pre-purge	14 / 20 / 16	Pa
Dimensions	900 x 470 x 1050	L x W x H mm
Process Inlet	80	mm
Process Outlet	75	mm
Regeneration Inlet	80	mm
Regeneration Outlet	50	mm
Weight	55	kg

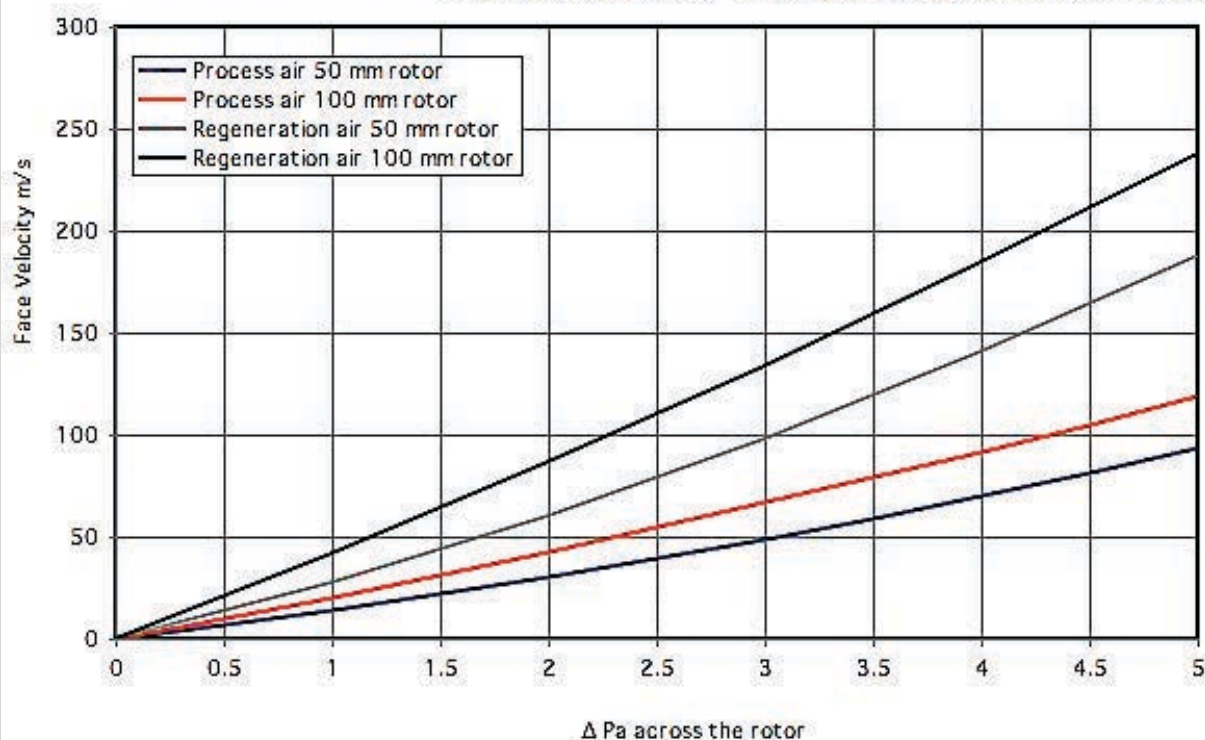
PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST

Dryair Performance Chart

234° process, 90° react. & 36° pre-purge
air velocity 3 m/s, rotor speed 40 RPH
Regen temp. 120°C, rotor depth 50 mm.



Dryair Performance Chart Desiccant pressure drop for the Process and regeneration sectors of 50 and 100 deep rotors



PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST

