



- ▶ Lower footprint/weight per m³/hr
- ▶ A unique triple point control on all machines over 1500 m³/hr, measuring the regeneration temperature to 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	500	m ³ / 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-11-0200	
Motor Power	0.37	kW
Moisture Removal		
20°C @ 40% RH	3.05	kg / hr
20°C @ 60% RH	3.89	kg / hr
25°C @ 60% RH	4.33	kg / hr
30°C @ 80% RH	5.12	kg / hr
Post cooling / 10°C off temp	6.29	kW
Medium	Direct expansion refrigerant	
Refrigerant	R407C	
Compressor	2JES-07Y	
Compressor input power (max)	1.65	kW
COP/EER	3.02	
Condensing capacity	9.93	kW
Expansion valve	Electronic	
Valve control	From onboard PLC	
Hot gas bypass	Yes	
Post heating / 2.0°C - 20.0°C	4.50	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	0.75" BSP(T) Female	
Regeneration Airflow Nominal	182.00	m ³ / hr
Regeneration Filter	1 x 400 x 300 pleated panel G4	No / Size / Grade
Heater Option	Electric	Electric PTC
Heater Power (on startup)	7.60	kW
Heater Power (after initial start)	4.50	kW
Fan Model	DDAS-AA140	
Motor Power	0.18	kW
Total Pressure / External Pressure	290 / 190	Pa
Electrical Supply	3p/N/E 50 / 60 Hz	1p/N/E
Voltage	380 415	V / Ac
Electrical Input Power (on start up)	17.30	kW
Amps per phase	26.31	A/Phase **

SPECIFICATIONS

Δ Pa Process / Regeneration / Pre-purge

52 / 69 / 28

Pa

Dimensions

1400 x 600 x 1300

L x W x H mm

Process Inlet

200

mm

Process Outlet

125

mm

Regeneration Inlet

150

mm

Regeneration Outlet

125

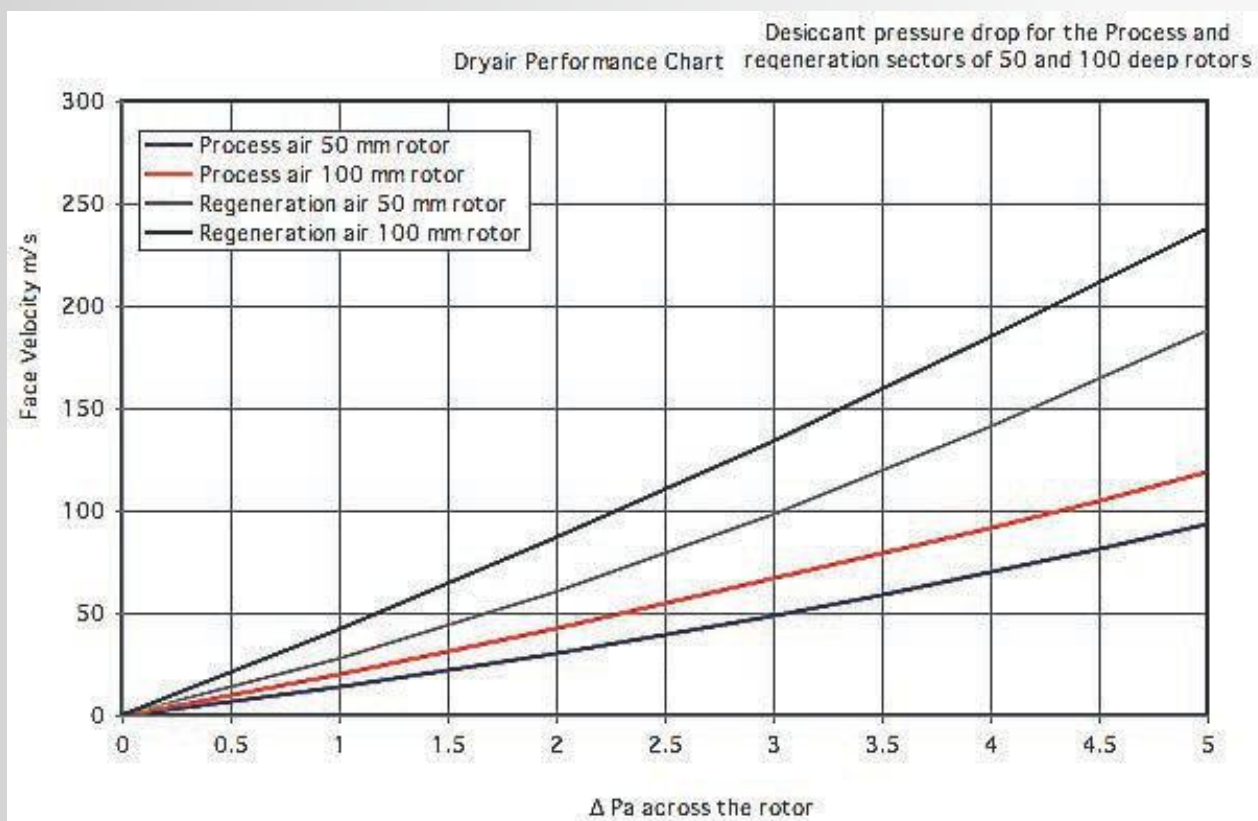
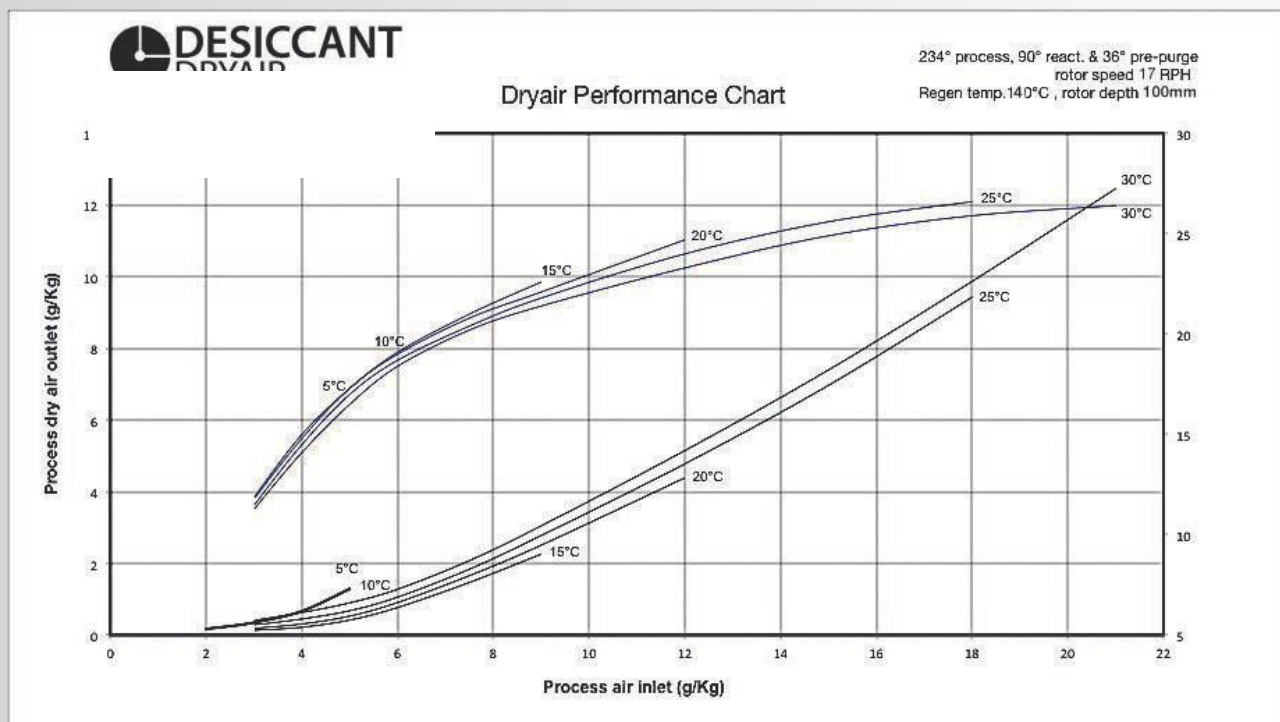
mm

Weight

125

kg

PERFORMANCE TECHNICAL DRAWINGS AVAILABLE UPON REQUEST



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