

DESICAIR Desiccant Dehumidifier Technical Data

Project: DEHUMIDIFICATION

Reference: D-10891

Owner: FRISKIES PETCARE

Engineer:

Sales Office: THOMPSON HILL

03-Mar-94 VER 8.7

DESICAIR Model Number:

DES-4250-106-E

Supply Scfm: 4,250

Power Supply:

460 Volts

3 Phase

60 Hertz

Process Scfm:	4,250	Process Face Vel FPM:	616
Process ESP:	0.5 In.w.c.	Rotor Nominal Speed RPH:	23
Inlet Temp F:	96	Outlet Temp F:	142
Inlet Humidity GPP:	136	Outlet Humidity GPP:	87
Rotor Diameter:	42 Inches	"Grain" Depression:	49
Moisture Removal:	133.9 Lbs/Hr (Note: Does not include pre-cooling effect if any.)		
Rotor Pres Drop:	0.9 In. w.c.	Unit Press Drop: In. w.c.	2.1
Blower TP:	3.0 In.w.c.		
		Motor HP:	5.00
		Motor Amps:	6.6

React. Scfm:	1,426	React. Face Vel FPM:	620
React. ESP:	0.5 In.w.c.		
Inlet Temp F:	96	Outlet Temp F:	120
Inlet Humidity GPP:	136	Outlet Humidity GPP:	282
React. Temp F:	270		
Rotor Pres Drop:	1.1 In. w.c.	Unit Press Drop: In. w.c.	2.5
Blower TP:	3.6 In.w.c.	Motor HP:	3.00
		Motor Amps:	3.9

Reactivation Energy Requirements:

Temperature Control By >>

REACT TP. : 270 F
SCR Control Included

Heater:	Capacity:	267,976 BTU/HR:	
>>>	Electric	79 Operating KW (1	99.3 Operating Amps (1)
>>>	Electric	80 Installed KW	100.5 Full Load Amps

	VOLTS	PHASE	HERTZ	RLA (1)	FLA
Power Requirements:	460	3	60	109.8	111.0

(1) Rated Load Amp Draw For Conditions As Shown Above.

Air Technology Systems, Inc.