



Engineering Data
Rev 04 – 16 Jan 2007

Engineering Data SRC-500

PERFORMANCE DATA		
Airflow Capacity (Scfm @ 68°F)	500	
Air Pressure Drop (psi)	1,79	
Air Temperature at Dryer Outlet (°F)	81,2	
Total adsorbed Power (kW)	3,41	
Condenser Heat Rejected (kW)	9,90	
REFERENCE DATA		
Working Pressure (psi g)	100	
Inlet Air Temperature (°F)	100	
Ambient Temperature (°F)	100	
Relative Humidity (%)	100	
GENERAL DATA		
Condenser Airflow (cfm) / number of fans	3061 / 1	
Maximum Operating Pressure (psi g)	203	
Refrigerant Type	R407C	
Fridge Compressor Type / n°	Hermetic Scroll / 1	
Refrigerant Quantity (lb)	5,07	
Capacity Control	Cycling	
Expansion System	Capillary Tube	
Air-to-Air Heat Exchanger	Aluminium plate fins	
Air-to-Glycol Heat Exchanger	Aluminium plate fins	
Glycol-to-Refrigerant Heat Exchanger	Copper Tube in Tube	
Number of Heat Exchangers	1	
Separator Type	Demister	
Drain Type	Integrated or Electronic	
PIPING CONNECTIONS		
Air Inlet / Outlet	2" NPT - F	
Condensate Drain Inlet	½" NPT - F	
Condensate Drain Outlet*	3/8" BSP-F with adaptor 3/8" NPT-F	
DIMENSIONS + WEIGHT		
Width (inch)	29,0	
Height (inch)	52,1	
Depth (inch)	42,3	
Weight (lb)	591	
ELECTRICAL DATA		
Electrical Supply (+/- 10%) (AC)	230V/3ph/60Hz	460V/3ph/60Hz
Dryer F.L.A. Current (Amp)	10.07	6.91
Compressor L.R.A. Current (Amp)	63,00	31
Total Installed Power (kW)	3,74	3,74
Control Type	Electronic	
Electrical Protection Class (Std.)	IP44	

PERFORMANCE IN ACCORDANCE WITH ANSI/CAGI ADF100-1998
Sound pressure level lower than 80 dB(A)
*With timed drain

Operating limits:
Max / Min Ambient Temperature (°F): 113 / 41
Max / Min Air Inlet Temperature (°F): 140 / 41



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