



TECH DATA

SRN Series Non-Cycling Refrigerated Dryers – Air Cooled – 60Hz

SULLAIR MODEL	<u>SRN3800</u>	<u>SRN5000</u>	<u>SRN6000</u>
PERFORMANCE DATA			
ISO8573-1 Class (Dewpoint)	≤Class 5	≤Class 5	≤Class 5
Airflow Capacity [SCFM]	3800	5000	6000
Air Pressure Drop [PSID]	2.51	2.76	3
Air Temperature at Dryer Outlet [°F]	94.4	92.9	92.5
Compressor Adsorbed power [kW]	13.43	15.25	18.4
Condenser Heat Rejected [kW]	43.3	57.7	71.5
DESIGN CONDITIONS			
Working Pressure [PSIG]	100	100	100
Inlet Air Temperature [°F]	100	100	100
Ambient Temperature [°F]	100	100	100
Relative Humidity [%]	100	100	100
GENERAL DATA			
Condenser Airflow [SCFM]	7357	9417	11477
Quantity of Condenser Fan [EA]	1	1	1
Absorbed Power of Condenser Fan [Watt]	1250	1850	1850
Maximum Operating Pressure [PSIG]	203	203	203
Sound Pressure Level [Dba]	69	69	69
Refrigerant Type	R-513A	R-513A	R-513A
Refrigerant Global Warming Potential [GWP]	573	573	573
Fridge Compressor Type	Herm. Scroll	Herm. Scroll	Herm. Scroll
Fridge Compressor Quantity [EA]	1	1	1
Refrigerant Quantity [LBS]	16.755	33.069	28.660
Refrigerant Quantity [TONS OF CO2]	4.350	8.600	7.450
Expansion System	Capillary Tube	Capillary Tube	Capillary Tube
Air-to-Air Heat Exchanger	Alum. plate fin	Alum. plate fin	Alum. plate fin
Air-to-Refrigerant Heat Exchanger	Alum. plate fin	Alum. plate fin	Alum. plate fin
Number of Heat Exchangers [EA]	2	3	3
Separator Type	Demister	Demister	Demister
Drain Type	Electronic	Electronic	Electronic



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PIPING CONNECTIONS			
Air Inlet / Outlet	6" ANSI 150 LBS	8" ANSI 150 LBS	8" ANSI 150 LBS
Condensate Drain Inlet	1/2"	1/2"	1/2"
Condensate Drain Outlet	3/8"	3/8"	3/8"
WEIGHT AND DIMENSIONS			
Height [IN]	80.9	80.3	80.3
Width [IN]	47.4	59.7	59.7
Depth [IN]	77.7	99.6	99.6
Weight [LBS]	1874	2359	2668
ELECTRICAL DATA			
Electrical Supply (+/- 10%)	460V / 3Ph / 60Hz	460V / 3Ph / 60Hz	460V / 3Ph / 60Hz
L.R.A. Current [AMPS]	229.7	291	321
F.L.A. Current [AMPS]	37.8	52.3	59.4
M.O.P. Current [AMPS]	80	110	125
M.C.A. Current [AMPS]	47	65	73.5
Total Installed Power [kW]	24.2	31.0	35.1
Controller Type	Microprocessor	Microprocessor	Microprocessor
Display Type	Digital (non-touch)	Digital (non-touch)	Digital (non-touch)
Modbus Connectivity	RTU RS485 & TCP/IP RJ45	RTU RS485 & TCP/IP RJ45	RTU RS485 & TCP/IP RJ45
Electrical Protection Class	IP54	IP54	IP54
Regulatory - Electrical Approval	UL508A/CSA	UL508A/CSA	UL508A/CSA

Operating Limits

Max/Min Ambient Temp (°F): 122 / 41
For use with Compressed Air Only

Max/Min Air Inlet Temp (°F): 149 / 41

NOTE: *Data subject to change without notice*