

TECH DATA

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

SULLAIR MODEL	<u>SRN50</u>	<u>SRN75</u>	<u>SRN100</u>	<u>SRN125</u>
PERFORMANCE DATA				
ISO8573-1 Class (Dewpoint)	≤Class 5	≤Class 5	≤Class 5	≤Class 5
Airflow Capacity [SCFM]	50	75	100	125
Air Pressure Drop [PSID]	2.11	1.22	2.04	3.05
Air Temperature at Dryer Outlet [°F]	97	80.7	88.9	93.9
Compressor Adsorbed power [kW]	0.22	0.41	0.43	0.43
Condenser Heat Rejected [kW]	0.61	1.38	1.36	1.4
DESIGN CONDITIONS				
Working Pressure [PSIG]	100	100	100	100
Inlet Air Temperature [°F]	100	100	100	100
Ambient Temperature [°F]	100	100	100	100
Relative Humidity [%]	100	100	100	100
GENERAL DATA				
Condenser Airflow [SCFM]	177	247	365	365
Quantity of Condenser Fan [EA]	1	1	1	1
Absorbed Power of Condenser Fan 115V [Watt]	0.009	0.016	0.016	0.016
Absorbed Power of Condenser Fan 230V [Watt]	--	0.016	0.016	0.016
Maximum Operating Pressure [PSIG]	232	232	232	232
Sound Pressure Level [dBa]	52	52	52	52
Refrigerant Type	R-513A	R-513A	R-513A	R-513A
Refrigerant Global Warming Potential [GWP]	573	573	573	573
Fridge Compressor Type	Herm. Piston	Herm. Piston	Herm. Piston	Herm. Piston
Fridge Compressor Quantity [EA]	1	1	1	1
Refrigerant Quantity [LBS]	0.529	0.750	0.750	0.750
Refrigerant Quantity [TONS OF CO2]	0.138	0.195	0.195	0.195
Expansion System	Auto Exp Valve	Auto Exp Valve	Auto Exp Valve	Auto Exp Valve
Air-to-Air Heat Exchanger	Alum. plate fin	Alum. plate fin	Alum. plate fin	Alum. plate fin
Air-to-Refrigerant Heat Exchanger	Alum. plate fin	Alum. plate fin	Alum. plate fin	Alum. plate fin
Number of Heat Exchangers [EA]	1	1	1	1
Separator Type	Demister	Demister	Demister	Demister
Drain Type	Timed Drain	Timed Drain	Timed Drain	Timed Drain



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PIPING CONNECTIONS				
Air Inlet / Outlet	3/4" NPT	1" NPT	1" NPT	1" NPT
Condensate Drain Inlet	1/2"	1/2"	1/2"	1/2"
Condensate Drain Outlet	3/8"	3/8"	3/8"	3/8"
WEIGHT AND DIMENSIONS				
Height [IN]	23.9	26.6	26.6	26.6
Width [IN]	13.0	15.8	15.8	15.8
Depth [IN]	22.8	25.9	26.9	27.9
Weight [LBS]	79	101	101	104
ELECTRICAL DATA				
Electrical Supply (+/- 10%)	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz
L.R.A. Current [AMPS]	19.8	39	39	39
F.L.A. Current [AMPS]	5.06	12	12	12
M.O.P. Current [AMPS]	15	25	25	25
M.C.A. Current [AMPS]	6.35	15	15	15
Total Installed Power [kW]	0.23	0.72	0.72	0.72
Electrical Supply (+/- 10%)	--	230V / 1Ph / 60Hz	230V / 1Ph / 60Hz	230V / 1Ph / 60Hz
L.R.A. Current [AMPS]	--	19	19	19
F.L.A. Current [AMPS]	--	5.9	5.9	5.9
M.O.P. Current [AMPS]	--	15	15	15
M.C.A. Current [AMPS]	--	7.4	7.4	7.4
Total Installed Power [kW]	--	0.79	0.79	0.79
Supply line (cable)	3xAWG18	3xAWG18	3xAWG18	3xAWG18
Controller Type	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Display Type	--	--	--	--
Modbus Connectivity	--	--	--	--
Electrical Protection Class	IP20	IP20	IP20	IP20
Regulatory - Electrical Approval	UL/CSA	UL/CSA	UL/CSA	UL/CSA

Operating Limits

Max/Min Ambient Temp (°F): 122 / 41

Max/Min Air Inlet Temp (°F): 149 / 41

For use with Compressed Air Only

NOTE: *Data subject to change without notice*