



TECH DATA

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

SULLAIR MODEL	<u>SRN10</u>	<u>SRN15</u>	<u>SRN25</u>	<u>SRN35</u>
PERFORMANCE DATA				
ISO8573-1 Class (Dewpoint)	≤Class 5	≤Class 5	≤Class 5	≤Class 5
Airflow Capacity [SCFM]	10	15	25	35
Air Pressure Drop [PSID]	0.31	1.15	1.65	1.11
Air Temperature at Dryer Outlet [°F]	71.1	73.1	80.2	90.7
Compressor Adsorbed power [kW]	0.18	0.19	0.21	0.2
Condenser Heat Rejected [kW]	0.37	0.5	0.55	0.58
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]	58	58	147	147
Quantity of Condenser Fan [EA]	1	1	1	1
Absorbed Power of Condenser Fan 115V [Watt]	0.02	0.02	0.02	0.009
Absorbed Power of Condenser Fan 230V [Watt]	--	--	--	--
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]	0.353	0.353	0.353	0.529
Refrigerant Quantity [TONS OF CO2]	0.092	0.092	0.092	0.138
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	1/2" NPT	1/2" NPT	1/2" NPT	3/4" 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]	21.5	21.5	21.5	23.9
Width [IN]	11.8	11.8	11.8	13.0
Depth [IN]	16.9	16.9	16.9	22.8
Weight [LBS]	53	53	55	77
ELECTRICAL DATA				
Electrical Supply (+/- 10%)	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz	115V / 1Ph / 60Hz
L.R.A. Current [AMPS]	18.2	18.2	18.2	19.8
F.L.A. Current [AMPS]	4.74	4.74	4.74	5.06
M.O.P. Current [AMPS]	15	15	15	15
M.C.A. Current [AMPS]	6	6	6	6.35
Total Installed Power [kW]	0.31	0.31	0.31	0.23
Electrical Supply (+/- 10%)	--	--	--	--
L.R.A. Current [AMPS]	--	--	--	--
F.L.A. Current [AMPS]	--	--	--	--
M.O.P. Current [AMPS]	--	--	--	--
M.C.A. Current [AMPS]	--	--	--	--
Total Installed Power [kW]	--	--	--	--
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*