

Product Specifications

MODEL	RATED FLOW (1)		NUMBER OF MODULES (2)	REFRIGERANT COMPRESSOR HORSEPOWER (3)	AVAILABLE VOLTAGES (4)	OPERATING POWER CONSUMPTION (5)	IN/OUT CONNECTION	WATER FLOW @ 85° F GPM	WATER SUPPLY CONNECTION NPT (F)	OVERALL DIMENSIONS (IN)			TOTAL WEIGHT LBS
	SCFM	NM ³ /H								H	W	D	
RSD3750	3750	6371	2	(1) 10 + (1) 6	Standard: 460/3/60	15.8	8" Flange	19	2.5"	96	85	81	3391
RSD5000	5000	8495	2	(2) 10		19.8	8" Flange	26	2.5"	96	85	81	3474
RSD6250	6250	10619	3	(2) 10 + (1) 6	Optional: 575/3/60; 230/3/60	25.7	10" Flange	32	2.5"	98	125	81	5412
RSD7500	7500	12743	3	(3) 10		29.6	10" Flange	39	2.5"	98	125	81	5624
RSD8750	8750	14866	4	(3) 10 + (1) 6	Optional: 575/3/60; 230/3/60	35.6	12" Flange	45	2.5"	99	164	81	7664
RSD10000	10000	16990	4	(4) 10		39.6	12" Flange	52	2.5"	99	164	81	7876
RSD11250	11250	19114	5	(4) 10 + (1) 6	Optional: 575/3/60; 230/3/60	45.5	12" Flange	58	2.5"	99	202	81	9623
RSD12500	12500	21238	5	(5) 10		49.5	12" Flange	65	2.5"	99	202	81	9836

Dryers meet agency approvals: CSA (CAN/CSA-C22.2 No.236-95) - Heating and Cooling Equipment and UL Standard No. 1995.

Canadian Registration Numbers- standard separator vessel and optional cold coalescing housing.

Standard separators include one vessel and are equipped with an electric demand drain. Units with optional cold coalescing filters are equipped with a dedicated electric demand drain- one per housing.

1 Rated Flow Capacity - Conditions for rating dryers are in accordance with ISO 7183 (option A2) working conditions: inlet air temperature 100° F (38° C), inlet air pressure 100 psig (6.9 bar), cooling water temperature 85° F (29° C), 100% saturated air

2 Individual modules are combined in 1250 scfm and 2500 scfm increments to provide the desired flow capacity.

3 Digital scroll compressors utilize environmentally friendly R404a refrigerant.

4 Optional Voltages: 575/3/60 requirements utilize module-mounted transformers to step-down incoming power to 460/3/60; 230/3/60 requirements utilize module-mounted transformers to step-up to 460/3/60.

5 Full flow kW value operating on 460/3/60 Hz power supply.

MAXIMUM WORKING PRESSURE PSIG (BAR)	MINIMUM WORKING PRESSURE PSIG (BAR)	MAXIMUM INLET AIR TEMPERATURE °F (°C)	MINIMUM INLET AIR TEMPERATURE °F (°C)	MAXIMUM AMBIENT AIR TEMPERATURE °F (°C)	MINIMUM AMBIENT AIR TEMPERATURE °F (°C)
232 (16)	30 (2)	130 (54)	40 (4)	110 (43)	40 (4)

CORRECTION FACTORS FOR INLET AIR PRESSURE AND TEMPERATURE

INLET AIR PRESSURE		INLET AIR TEMPERATURE				
PSIG	BAR	90° F (32° C)	100° F (38° C)	110° F (43° C)	120° F (49° C)	130° F (54° C)
30	2.1	0.92	0.71	0.56	0.44	0.35
50	3.5	1.07	0.83	0.66	0.54	0.44
80	5.6	1.19	0.95	0.77	0.63	0.52
100	6.9	1.25	1.00	0.82	0.68	0.56
125	8.6	1.31	1.05	0.86	0.72	0.61
150	10.3	1.34	1.08	0.90	0.75	0.64
175	12.1	1.37	1.11	0.92	0.78	0.66
200	13.8	1.39	1.14	0.95	0.80	0.68

ISO 8573-1 : 2010 AIR QUALITY CLASSES

AIR QUALITY CLASS	SOLID PARTICLES			WATER		OIL	
	MAXIMUM NUMBER OF PARTICLES PER M ³			VAPOR PRESSURE DEW POINT		TOTAL OIL CONCENTRATION: AEROSOL, LIQUID & VAPOR	
	0.10-0.5 MICRON	0.5-1.0 MICRON	1.0-5.0 MICRON	°C	°F	MG/M ³	PPM W/W
0	As specified by the equipment user or supplier and more stringent than class 1						
1	≤ 20,000	≤ 400	≤ 10	≤ -70	≤ -94	0.01	0.008
2	≤ 400,000	≤ 6,000	≤ 100	≤ -40	≤ -40	0.1	0.08
3	-	≤ 90,000	≤ 1,000	≤ -20	≤ -4	1	0.8
4	-	-	≤ 10,000	≤ +3	≤ +37	5	4
5	-	-	≤ 100,000	≤ +7	≤ +45	-	-

Standard filtration delivers ISO Quality Class:

- 3 Solids
- 4-5 Pressure Dew Point
- 5 Oil

Optional filtration provides ISO Quality Class:

- 3 Solids
- 4-5 Pressure Dew Point
- 1 Oil