

REFRIGERATED COMPRESSED AIR DRYERS



RN NON-CYCLING MODELS

60HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RN-5	115-1-60	AC	5	0.14	1/2" NPT	3/8"	14	355	14	355	24	609	85	38
RN-10	115-1-60	AC	10	0.28	1/2" NPT	3/8"	14	355	14	355	24	609	85	38
RN-15	115-1-60	AC	15	0.42	1/2" NPT	3/8"	14	355	14	355	24	609	85	38
RN-25	115-1-60	AC	25	0.7	1/2" NPT	3/8"	16	406	14	355	24	609	95	43
RN-25	230-1-60	AC	25	0.7	1/2" NPT	3/8"	16	406	14	355	24	609	95	43
RN-35	115-1-60	AC	35	0.99	1/2" NPT	3/8"	16	406	18	457	24	609	109	49
RN-35	230-1-60	AC	35	0.99	1/2" NPT	3/8"	16	406	18	457	24	609	109	49
RN-50	115-1-60	AC	50	1.4	3/4" NPT	3/8"	16	406	18	457	24	609	109	49
RN-50	230-1-60	AC	50	1.4	3/4" NPT	3/8"	16	406	18	457	24	609	109	49
RN-75	115-1-60	AC	75	2.1	3/4" NPT	3/8"	16	406	18	457	29	736	143	65
RN-75	230-1-60	AC	75	2.1	3/4" NPT	3/8"	16	406	18	457	29	736	143	65
RN-100	115-1-60	AC	100	2.8	3/4" NPT	3/8"	16	406	18	457	29	736	165	75
RN-100	230-1-60	AC	100	2.8	3/4" NPT	3/8"	16	406	18	457	29	736	165	75
RN-125	115-1-60	AC	125	3.5	1-1/2" NPT	3/8"	18	457	22	546	32	813	197	89
RN-125	230-1-60	AC	125	3.5	1-1/2" NPT	3/8"	18	457	22	546	32	813	197	89
RN-150	115-1-60	AC	150	4.2	1-1/2" NPT	3/8"	18	457	24	609	32	813	215	97
RN-150	230-1-60	AC	150	4.2	1-1/2" NPT	3/8"	18	457	24	609	32	813	215	97
RN-175	230-1-60	AC	175	4.9	1-1/2" NPT	3/8"	22	546	24	609	35	889	243	110
RN-200	230-1-60	AC	200	5.6	1-1/2" NPT	3/8"	22	546	24	609	35	889	243	110
RN-250	230-1-60	AC	250	7	1-1/2" NPT	3/4"	28	559	24	609	50	1270	465	210
RN-250	230-3-60	AC	250	7	1-1/2" NPT	3/4"	28	559	24	609	50	1270	465	210
RN-250	460-3-60	AC	250	7	1-1/2" NPT	3/4"	28	559	24	609	50	1270	465	210
RN-250	575-3-60	AC	250	7	1-1/2" NPT	3/4"	28	559	24	609	50	1270	465	210
RN-325	230-3-60	AC	325	9.2	2" NPT	3/4"	28	559	24	609	50	1270	494	224
RN-325	460-3-60	AC	325	9.2	2" NPT	3/4"	28	559	24	609	50	1270	494	224
RN-325	575-3-60	AC	325	9.2	2" NPT	3/4"	28	559	24	609	50	1270	494	224

50HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RN-15	220-1-50	AC	15	0.42	1/2" NPT	3/8"	13.8	351	13.8	351	24	610	71	32
RN-25	220-1-50	AC	25	0.7	1/2" NPT	3/8"	15.5	396	13.8	351	24	610	75	34
RN-35	220-1-50	AC	35	0.99	1/2" NPT	3/8"	15.5	396	17.7	450	23.2	592	95	43
RN-50	220-1-50	AC	50	1.4	3/4" NPT	3/8"	15.5	396	17.7	450	23.2	592	95	43
RN-75	220-1-50	AC	75	2.1	3/4" NPT	3/8"	15.5	396	17.5	445	28.7	729	125	57
RN-100	220-1-50	AC	100	2.8	3/4" NPT	3/8"	16	406	18	457	29	729	165	75
RN-125	220-1-50	AC	125	3.5	1-1/2" NPT	3/8"	17.5	445	21.4	546	31.6	805	176	80
RN-150	220-1-50	AC	150	4.2	1-1/2" NPT	3/8"	18	457	24	609	32	813	215	97
RN-175	220-1-50	AC	175	4.9	1-1/2" NPT	3/8"	21.4	546	23.3	594	34.2	871	218	99
RN-200	220-1-50	AC	200	5.6	1-1/2" NPT	3/8"	21.4	546	23.3	594	34.2	871	218	99
RN-250	220-1-50	AC	250	7	1-1/2" NPT	3/4"	27.9	711	23.3	594	49.8	1265	309	140
RN-325	220-1-50	AC	325	9.2	2" NPT	3/4"	27.9	711	23.3	594	49.8	1265	309	140

CORRECTION FACTOR FOR MODELS RN AND RD

INLET PRESSURE										
psig	50	60	75	100	115	125	150	175	200	
bar	3.5	4.1	5	7	7.9	8.5	10	12	14	
Factor Pressure: F1*	0.75	0.77	0.85	1	1.06	1.1	1.16	1.25	1.3	

INLET TEMPERATURE										
°F	85	90	95	100	110	120	130	140	150	
°C	29	32	35	38	43	49	54	60	65	
Factor Inlet: F2*	1.2	1.14	1.08	1	0.75	0.6	0.5	0.45	0.35	

* Flow Correction Factors | Capacity correction to be used when operating conditions differ from those shown above. To obtain dryer capacity at new conditions, multiply nominal capacity x F1 x F2 x F3.

AMBIENT TEMPERATURE										
°F	60	80	90	100	105	110	115	120		
°C	16	26	32	38	40	43	46	49		
Factor Ambient: F3*	1.12	1.08	1.06	1	0.96	0.9	0.8	0.65		

PERFORMANCE DATA BASED ON:		
Ambient temperature	100°F	25°C
Inlet temperature	100°F	35°C
Inlet pressure	100 psig	7 bar

For flow rates at other conditions, please contact Sullair for correct sizing.

Performance data obtained and presented in accordance with CAGI Standard No. ADF 100, "Refrigerated Compressed Air Dryers - Methods for Testing and Rating."

REFRIGERATED COMPRESSED AIR DRYERS



RD DIGITAL CYCLING MODELS

60HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RD-400	230-3-60	AC	400	11.3	2" NPT	3/4"	28	711	23	589	50	1265	525	238
RD-400	460-3-60	AC	400	11.3	2" NPT	3/4"	28	711	23	589	50	1265	525	238
RD-400	575-3-60	AC	400	11.3	2" NPT	3/4"	28	711	23	589	50	1265	525	238
RD-500	230-3-60	AC	500	14.1	2" NPT	3/4"	59	1500	32	810	46	1166	807	366
RD-500	460-3-60	AC	500	14.1	2" NPT	3/4"	59	1500	32	810	46	1166	807	366
RD-500	575-3-60	AC	500	14.1	2" NPT	3/4"	59	1500	32	810	46	1166	807	366
RD-700	230-3-60	AC / WC	700	19.8	3" NPT	3/4"	59	1500	32	810	46	1166	900	408
RD-700	460-3-60	AC / WC	700	19.8	3" NPT	3/4"	59	1500	32	810	46	1166	900	408
RD-700	575-3-60	AC / WC	700	19.8	3" NPT	3/4"	59	1500	32	810	46	1166	900	408
RD-850	230-3-60	AC / WC	850	24	3" NPT	3/4"	46	1165	32	810	59	1500	952	431
RD-850	460-3-60	AC / WC	850	24	3" NPT	3/4"	46	1165	32	810	59	1500	952	431
RD-850	575-3-60	AC / WC	850	24	3" NPT	3/4"	46	1165	32	810	59	1500	952	431
RD-1000	460-3-60	AC / WC	1000	28.3	3" NPT	3/4"	46	1165	32	810	74	1885	1178	534
RD-1000	575-3-60	AC / WC	1000	28.3	3" NPT	3/4"	46	1165	32	810	74	1885	1178	534
RD-1200	460-3-60	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1165	46	810	74	1885	1520	690
RD-1200	575-3-60	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1165	46	1165	74	1885	1520	690
RD-1600	460-3-60	AC / WC	1600	45.3	4" FLG	1-1/4"	60	1524	46	1165	74	1885	1972	894
RD-1600	575-3-60	AC / WC	1600	45.3	4" FLG	1-1/4"	60	1524	46	1165	74	1885	1972	894
RD-2000	460-3-60	AC / WC	2000	56.6	4" FLG	1-1/4"	60	1524	46	1165	74	1885	2005	909
RD-2000	575-3-60	AC / WC	2000	56.6	4" FLG	1-1/4"	60	1524	46	1165	74	1885	2005	909
RD-2400	460-3-60	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	2225	1009
RD-2400	575-3-60	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	2225	1009
RD-3000	460-3-60	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	2456	1114
RD-3000	575-3-60	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	2456	1114
RD-3800	460-3-60	AC / WC	3800	107.6	6" FLG	1-1/4"	109	2760	47	1016	79	2000	2759	1251
RD-3800	575-3-60	AC / WC	3800	107.6	6" FLG	1-1/4"	109	2760	47	1016	79	2000	2759	1251
RD-5000	460-3-60	AC / WC	5000	141.6	8" FLG	1-1/4"	100	2540	66	1676	79	2000	2820	1279
RD-5000	575-3-60	AC / WC	5000	141.6	8" FLG	1-1/4"	100	2540	66	1676	79	2000	2820	1279
RD-6000	460-3-60	AC / WC	6000	169.9	8" FLG	1-1/4"	100	2540	66	1676	85	2159	3150	1428
RD-6000	575-3-60	AC / WC	6000	169.9	8" FLG	1-1/4"	100	2540	66	1676	85	2159	3150	1428

50HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RD-400	400-3-50	AC	400	11.3	2" NPT	3/4"	28	711	23	589	50	1265	341	155
RD-500	400-3-50	AC	500	14.1	2" NPT	3/4"	59	1496	32	810	46	1166	1058	480
RD-700	400-3-50	AC / WC	700	19.8	3" NPT	3/4"	59	1496	32	810	46	1166	1058	480
RD-850	400-3-50	AC / WC	850	24	3" NPT	3/4"	46	1165	32	810	59	1490	1102	500
RD-1000	400-3-50	AC / WC	1000	28.3	3" NPT	3/4"	46	1165	32	810	74	1885	1124	510
RD-1200	400-3-50	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1165	45	1155	74	1885	1124	510
RD-1600	400-3-50	AC / WC	1600	45.3	4" FLG	1-1/4"	59	1500	46	1165	75	1900	1675	760
RD-2000	400-3-50	AC / WC	2000	56.6	4" FLG	1-1/4"	59	1500	46	1165	75	1900	1708	775
RD-2400	400-3-50	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	1929	875
RD-3000	400-3-50	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2190	46	1165	79	2000	2160	980
RD-3800	400-3-50	AC / WC	3800	107.6	6" FLG	1-1/4"	109	2760	39	1000	79	2000	2414	1095
RD-5000	400-3-50	AC / WC	5000	141.6	8" FLG	1-1/4"	91	2310	65	1660	79	2000	2425	1100
RD-6000	400-3-50	AC / WC	6000	169.9	8" FLG	1-1/4"	91	2310	65	1660	84	2140	2755	1250



REFRIGERATED COMPRESSED AIR DRYERS



RC CYCLING MODELS

60HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RC-150	115-1-60	AC	150	4.2	1-1/2" NPT	3/8"	23	589	28	711	48	1214	451	204
RC-150	230-1-60	AC	150	4.2	1-1/2" NPT	3/8"	23	589	28	711	48	1214	451	204
RC-175	230-1-60	AC	175	4.9	1-1/2" NPT	3/8"	23	589	28	711	48	1214	495	224
RC-200	230-1-60	AC	200	5.6	1-1/2" NPT	3/8"	23	589	28	711	48	1214	515	234
RC-250	230-3-60	AC	250	7	1-1/2" NPT	3/4"	34	863	30	764	50	1270	600	272
RC-250	460-3-60	AC	250	7	1-1/2" NPT	3/4"	34	863	30	764	50	1270	600	272
RC-250	575-3-60	AC	250	7	1-1/2" NPT	3/4"	34	863	30	764	50	1270	600	272
RC-325	230-3-60	AC	325	9.2	2" NPT	3/4"	34	863	30	764	50	1270	690	312
RC-325	460-3-60	AC	325	9.2	2" NPT	3/4"	34	863	30	764	50	1270	690	312
RC-325	575-3-60	AC	325	9.2	2" NPT	3/4"	34	863	30	764	50	1270	690	312
RC-400	230-3-60	AC	400	11.3	2" NPT	3/4"	34	863	30	764	50	1270	752	341
RC-400	460-3-60	AC	400	11.3	2" NPT	3/4"	34	863	30	764	50	1270	752	341
RC-400	575-3-60	AC	400	11.3	2" NPT	3/4"	34	863	30	764	50	1270	752	341
RC-500	230-3-60	AC	500	14.1	2" NPT	3/4"	46	1166	32	810	59	1491	1000	453
RC-500	460-3-60	AC	500	14.1	2" NPT	3/4"	46	1166	32	810	59	1491	1000	453
RC-500	575-3-60	AC	500	14.1	2" NPT	3/4"	46	1166	32	810	59	1491	1000	453
RC-700	230-3-60	AC / WC	700	19.8	3" NPT	3/4"	46	1166	32	810	59	1491	847	384
RC-700	460-3-60	AC / WC	700	19.8	3" NPT	3/4"	46	1166	32	810	59	1491	847	384
RC-700	575-3-60	AC / WC	700	19.8	3" NPT	3/4"	46	1166	32	810	59	1491	847	384
RC-850	230-3-60	AC / WC	850	24	3" NPT	3/4"	46	1166	32	810	59	1491	952	432
RC-850	460-3-60	AC / WC	850	24	3" NPT	3/4"	46	1166	32	810	59	1491	952	432
RC-850	575-3-60	AC / WC	850	24	3" NPT	3/4"	46	1166	32	810	59	1491	952	432
RC-1000	230-3-60	AC / WC	1000	28.3	3" NPT	3/4"	46	1166	32	810	75	1900	1544	700
RC-1000	460-3-60	AC / WC	1000	28.3	3" NPT	3/4"	46	1166	32	810	75	1900	1544	700
RC-1000	575-3-60	AC / WC	1000	28.3	3" NPT	3/4"	46	1166	32	810	75	1900	1544	700
RC-1200	460-3-60	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1166	46	1166	75	1900	1600	726
RC-1200	575-3-60	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1166	46	1166	75	1900	1600	726
RC-1600	460-3-60	AC / WC	1600	45.3	4" FLG	1-1/4"	59	1499	46	1166	75	1900	2246	1019
RC-1600	575-3-60	AC / WC	1600	45.3	4" FLG	1-1/4"	59	1499	46	1166	75	1900	2246	1019
RC-2000	460-3-60	AC / WC	2000	56.6	4" FLG	1-1/4"	59	1499	46	1166	75	1900	2306	1046
RC-2000	575-3-60	AC / WC	2000	56.6	4" FLG	1-1/4"	59	1499	46	1166	75	1900	2306	1046
RC-2400	460-3-60	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2184	46	1166	79	2006	2580	1170
RC-2400	575-3-60	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2184	46	1166	79	2006	2580	1170
RC-3000	460-3-60	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2184	46	1166	79	2006	2925	1326
RC-3000	575-3-60	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2184	46	1166	79	2006	2925	1326

50HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RC-150	220-1-50	AC	150	4.2	1-1/2" NPT	3/8"	23	589	28	711	48	1214	353	160
RC-175	220-1-50	AC	175	4.9	1-1/2" NPT	3/8"	23	589	28	711	48	1214	353	160
RC-200	220-1-50	AC	200	5.6	1-1/2" NPT	3/8"	23	589	28	711	48	1214	375	170
RC-250	220-1-50	AC	250	7	1-1/2" NPT	3/4"	33	846	29	744	50	1270	551	250
RC-250	400-3-50	AC	250	7	1-1/2" NPT	3/4"	33	846	29	744	50	1270	551	250
RC-325	400-3-50	AC	325	9.2	2" NPT	3/4"	33	846	29	744	50	1270	617	280
RC-400	400-3-50	AC / WC	400	11.3	2" NPT	3/4"	33	846	29	744	50	1270	650	295
RC-500	400-3-50	AC / WC	500	14.1	2" NPT	3/4"	46	1166	32	810	59	1491	1223	555
RC-700	400-3-50	AC / WC	700	19.8	3" NPT	3/4"	46	1166	32	810	59	1491	1267	575
RC-850	400-3-50	AC / WC	850	24	3" NPT	3/4"	46	1166	32	810	59	1491	1289	585
RC-1000	400-3-50	AC / WC	1000	28.3	3" NPT	3/4"	46	1166	32	810	74	1885	1433	650
RC-1200	400-3-50	AC / WC	1200	33.9	3" NPT	1-1/4"	46	1166	45	1156	74	1885	1499	680
RC-1600	400-3-50	AC / WC	1600	45.3	4" FLG	1-1/4"	59	1501	46	1166	75	1900	4334	960
RC-2000	400-3-50	AC / WC	2000	56.6	4" FLG	1-1/4"	59	1501	46	1166	75	1900	4334	960
RC-2400	400-3-50	AC / WC	2400	67.9	6" FLG	1-1/4"	86	2189	46	1166	77	1999	2458	1115
RC-3000	400-3-50	AC / WC	3000	84.9	6" FLG	1-1/4"	86	2189	46	1166	77	1999	2821	1280

CORRECTION FACTOR FOR RC MODELS – CONTINUED

REFRIGERATED COMPRESSED AIR DRYERS



RC CYCLING MODELS CONTINUED

CORRECTION FACTOR FOR RC MODELS

INLET PRESSURE									
psig	50	60	75	100	115	125	150	175	200
bar	3.5	4.1	5	7	7.9	8.5	10	12	14
Factor Pressure: F1*	0.75	0.77	0.85	1	1.06	1.1	1.16	1.25	1.3

INLET TEMPERATURE									
*F	85	90	95	100	110	120	130	140	150
*C	29	32	35	38	43	49	54	60	65
Factor Inlet: F2*	1.2	1.14	1.08	1	0.75	0.6	0.5	0.45	0.35

AMBIENT TEMPERATURE								
*F	60	80	90	100	105	110	115	120
*C	16	26	32	38	40	43	46	49
Factor Ambient: F3*	1.12	1.08	1.06	1	0.96	0.9	0.8	0.65

* **Flow Correction Factors** | Capacity correction to be used when operating conditions differ from those shown above. To obtain dryer capacity at new conditions, multiply nominal capacity x F1 x F2 x F3.

RH HIGH TEMPERATURE MODELS

60HZ MOTOR FREQUENCY MODEL	ELECTRICAL	AC / WC	CAPACITY		INLET-OUTLET CONNECTION	DRAIN	WIDTH		DEPTH		HEIGHT		WEIGHT	
			scfm	m ³ /min			in	mm	in	mm	in	mm	lbs	kg
RH-15	115-1-60	AC	15	0.42	1/2" NPT	3/8"	18	457	18	457	38	965	159	72
RH-25	115-1-60	AC	25	0.7	1/2" NPT	3/8"	18	457	18	457	38	965	159	72
RH-35	115-1-60	AC	35	0.99	1/2" NPT	3/8"	18	457	18	457	38	965	161	73
RH-50	115-1-60	AC	50	1.4	1/2" NPT	3/8"	18	457	18	457	38	965	163	74
RH-75	115-1-60	AC	75	2.1	3/4" NPT	3/8"	25	635	20	508	36	914	217	94
RH-100	115-1-60	AC	100	2.8	3/4" NPT	3/8"	25	635	20	508	36	914	238	108

CORRECTION FACTOR FOR RH MODELS

INLET PRESSURE											
psig	60	75	90	100	115	125	145	160	175	190	200
bar	4.1	5	6	7	7.9	8.5	10	11	12	13	14
Factor Pressure: F1*	0.7	0.75	0.8	0.83	0.86	0.9	0.93	0.96	1	1.1	1.12

INLET TEMPERATURE							
*F	90	100	150	180	200	210	220
*C	32	38	65	82	93	98	104
Factor Inlet: F2*	1.3	1.27	1.06	1	0.85	0.78	0.75

AMBIENT TEMPERATURE								
*F	75	85	95	100	105	115	120	120
*C	24	29	35	38	40	46	49	49
Factor Ambient: F3*	1.1	1.07	1.03	1	0.96	0.82	0.55	0.65

DEW POINT						
*F	38	41	45	50	55	60
*C	3.3	5	7.2	10	12.8	15.5
Factor Dew Point: F4*	0.65	0.73	0.8	1	1.1	1.22

* **Flow Correction Factors** | Capacity correction to be used when operating conditions differ from those shown above. To obtain dryer capacity at new conditions, multiply nominal capacity x F1 x F2 x F3.

