

# 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 <sup>3</sup> /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 <sup>3</sup> /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-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-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	200
°C	16	26	32	38	40	43	46	49	14
Factor Ambient: F3*	1.12	1.08	1.06	1	0.96	0.9	0.8	0.65	1.3

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."