HITACHI

SULLAIR RFA SERIES

50 Hz and 60 Hz Refrigerated Dryers



SULLAIR

Hitachi Global Air Power

Legendary Sullair Products

Sullair compressed air solutions have been at the leading edge of rotary screw technology since 1965. The legacy continues as Hitachi Global Air Power—featuring the legendary Sullair product line.

COMPRESSED AIR SOLUTIONS DESIGNED FOR RELIABILITY & DURABILITY

RELIABILITY

Customers who work with Sullair compressors have found intangibles make all the difference—things like trust, confidence and peace of mind. They go to work every day having full faith in their equipment, as well as the knowledge they have access to true compressor experts ready to support them every step of the way.

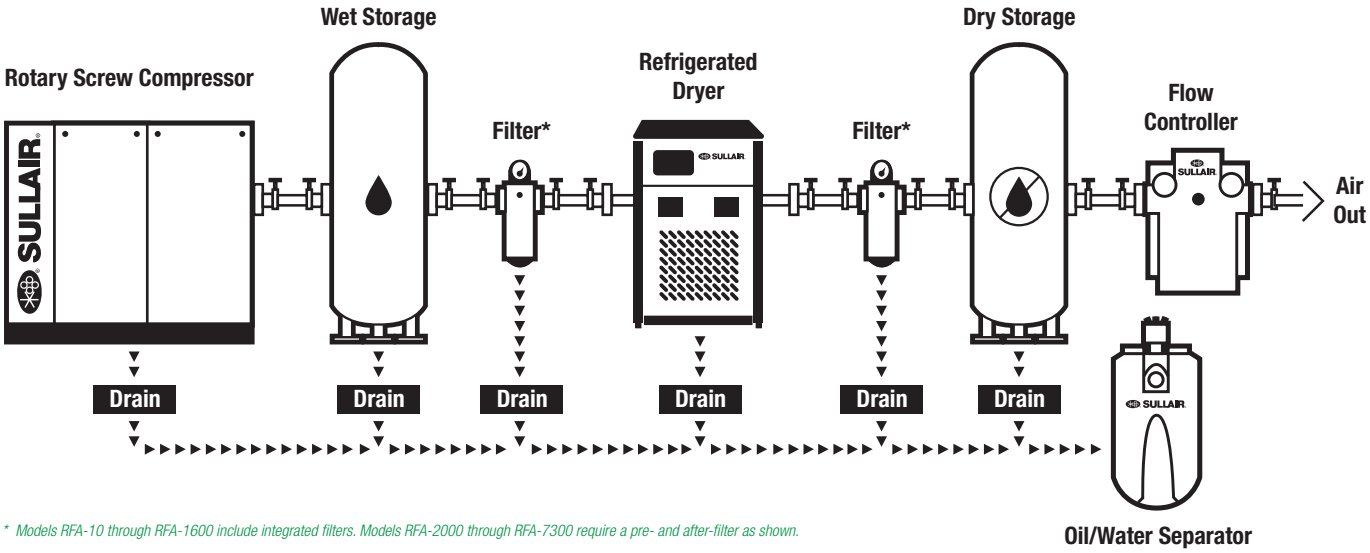
DURABILITY

Bulletproof. Built to last. However you spin it, Sullair compressors are in it for the long haul, driven by the design of the legendary air end. All over the world, you'll find Sullair compressors that have stood the test of time, running consistently today as they did on day one.

The Hitachi Global Air Power network of engineering and quality experts continues to build next-generation, environment-forward compressed air solutions to meet the demands of today's hard-working customers.

THE IMPORTANCE OF CLEAN, DRY COMPRESSED AIR

A well-designed air treatment system has a number of critical stages, each contributing to the goal of clean, dry air. The following diagram represents a sample of a complete system from start to finish.



* Models RFA-10 through RFA-1600 include integrated filters. Models RFA-2000 through RFA-7300 require a pre- and after-filter as shown.

ADVANCED DESIGN. EFFICIENT PERFORMANCE.

Featuring high-quality engineering in a compact design, the Sullair RF Dryer performs reliably to maximize the quality of your air. Every unit is specially designed according to its flow with the right components to ensure low energy consumption. Other highlights of this durable equipment include a quick start time, efficient operation, and easy access for service and maintenance.

- Digi-pro controller offers one-touch adjustments with digital dew point monitoring, energy-saving mode, maintenance intervals, hour meter and status report. (Available on models RFA-10 through RFA-2300)
- ESD3 controller provides economy features and alarm capabilities. (Available on models RFA-3000 through RFA-7300)

- **Aluminum Plate Heat Exchanger**
  Featuring a state-of-the-art design, this component is standard for all units, and offers some of the industry's best cost savings
  - Very low pressure drop saves compressor power
  - Thin aluminum plate thickness
  - High heat transfer surface area
  - Thick external cylindrical wall offers added strength
  - Water separator optimized for best performance
- **Quick Start and Reaction Times**
  - Provides additional production time
- **Energy Efficiency**
  - Highly energy-efficient R134a refrigerant standard across all models
- **Best-in-class Refrigerant Compressors**
  - Consumes less energy than competitive dryers
  - Scroll compressors — energy efficient and strong against liquid shock — are standard for models RFA-275 through RFA-7300.
- **Pressure Switches**
  - Control the condenser's fan motor for energy saving and system operation at desired conditions
- **Safe and Easy Electrical Wiring**
  - There are very few electrical wires inside the refrigerant side of the dryer. Electrical box has an external cover with outside access, so there is no need to open dryer panels for electrical access.
- **Dew Point of 37˚F to +50˚F Depending on Working Conditions**
- **Sullair Warranty: 2 Years**
- **Electrical Conformance Standards: UL-508A**
- **Compact Design**
  - Suitable for small installation spaces.
  - Two filters integrated into the dryer, which saves piping cost, space, and labour time for technicians and end users.
  - Flexibility and economy during transportation
- **Easy Access**
  - Cooling components easily accessible through screw-free panels and plastic handles

AMBIENT CONSIDERATIONS	
Normal Operating Pressure	100 psig / 6.89 bar
Normal Operating Temperature	95˚F / 35˚C
Normal Ambient Temperature	77˚F / 25˚C
Maximum Operating Pressure	230 psig / 16 bar
Minimum Operating Pressure	58 psig / 4 bar
Maximum Ambient Temperature	113˚F / 45˚C
Minimum Ambient Temperature	40˚F / 4˚C
Maximum Operating Temperature	122˚F / 50˚C



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TECHNICAL SPECIFICATIONS

REGION: LATIN AMERICA FREQUENCY: 50 and 60 Hz THREADS: NPT

MODEL	RATED FLOW	STANDARD VOLTAGE	STANDARD VOLTAGE	PORT SIZE	INTEGRATED FILTERS	WIDTH		DEPTH		HEIGHT		50 HZ WEIGHT		60 HZ WEIGHT	
	scfm	50 Hz	60 Hz	in		in	mm	in	mm	in	mm	lbs	kg	lbs	kg
RFA-10	13	230/1/50	230/1/60	½" NPT	FXF-25 + FXH-25	13.91	353	16.65	423	21.93	557	72	33	72	33
RFA-20	22	230/1/50	230/1/60	½" NPT	FXF-25 + FXH-25	13.91	353	16.65	423	21.93	557	72	33	72	33
RFA-30	31	230/1/50	230/1/60	½" NPT	FXF-25 + FXH-25	13.91	353	16.65	423	21.93	557	72	33	72	33
RFA-50	59	230/1/50	230/1/60	¾" NPT	FXF-65 + FXH-65	17.85	453	18.64	473	32.75	832	113	51	113	51
RFA-75	91	230/1/50	230/1/60	¾" NPT	FXF-130 + FXH-130	17.85	453	18.64	473	32.75	832	117	53	117	53
RFA-100	112	230/1/50	230/1/60	¾" NPT	FXF-130 + FXH-130	17.85	453	18.64	473	32.75	832	122	55	122	55
RFA-125	124	230/1/50	230/1/60	1½" NPT	FXF-130 + FXH-130	19.84	504	21.81	554	34.40	874	172	78	172	78
RFA-175	179	230/1/50	230/1/60	1½" NPT	FXF-240 + FXH-240	19.84	504	21.81	554	34.40	874	183	83	183	83
RFA-210	221	230/1/50	230/1/60	1½" NPT	FXF-240 + FXH-240	19.84	504	21.81	554	34.40	874	190	86	190	86
RFA-275	291	230/1/50	230/1/60	2" NPT	FXF-350 + FXH-350	25.51	648	26.69	678	45.56	1157.5	354	161	354	161
RFA-275	291	400/3/50	460/3/60	2" NPT	FXF-350 + FXH-350	25.51	648	26.69	678	45.56	1157.5	354	161	354	161
RFA-350	366	230/1/50	230/1/60	2" NPT	FXF-350 + FXH-350	25.51	648	26.69	678	45.56	1157.5	364	165	364	165
RFA-350	366	400/3/50	460/3/60	2" NPT	FXF-350 + FXH-350	25.51	648	26.69	678	45.56	1157.5	364	161	364	165
RFA-500	547	230/1/50	230/1/60	2" NPT	FXF-700 + FXH-700	28.66	728	37.32	948	53.91	1369.5	485	220	485	220
RFA-500	547	400/3/50	460/3/60	2" NPT	FXF-700 + FXH-700	28.66	728	317.32	948	53.91	1369.5	485	220	485	220
RFA-600	706	230/1/50	230/1/60	2"NPT	FXF-700 + FXH-700	28.66	728	317.32	948	53.91	1369.5	507	230	507	230
RFA-600	706	400/3/50	460/3/60	2" NPT	FXF-700 + FXH-700	28.66	728	317.32	948	53.91	1369.5	507	230	507	230
RFA-650	706	230/1/50	230/1/60	2" NPT	FXF-700 + FXH-700	28.66	728	37.32	948	53.91	1369.5	507	230	507	230
RFA-650	706	400/3/50	460/3/60	2"NPT	FXF-700 + FXH-700	28.66	728	317.32	948	53.91	1369.5	507	230	507	230
RFA-800	816	400/3/50	460/3/60	3" NPT	FXF-925 + FXH-925	31.44	798	37.32	948	57.45	1459.5	595	270	595	270
RFA-1000	1059	400/3/50	460/3/60	3" NPT	FXF-1350 + FXH-1350	31.44	798	37.32	948	57.45	1459.5	629	285	629	285
RFA-1460	1471	400/3/50	460/3/60	3" NPT	FXF-1600 + FXH-1600	30.63	778	45.79	1163	67.81	1722	864	392	864	392
RFA-1600	1632	400/3/50	460/3/60	3" NPT	FXF-1600 + FXH-1600	30.63	778	45.79	1163	67.81	1722	904	410	904	410
RFA-2000	1959	400/3/50	460/3/60	DN100	FWF-2500 + FWH-2500*	33.35	847	55	1397	69.65	1769	1085	492	1085	492
RFA-2300	2303	400/3/50	460/3/60	DN100	FWF-2500 + FWH-2500*	33.35	847	55	1397	69.65	1769	1146	520	1146	520
RFA-3000	2991	400/3/50	460/3/60	DN100	FWF-3800 + FWH-3800*	42.40	1077	57.76	1467	75.83	1926	1535	696	1535	696
RFA-3460	3441	400/3/50	460/3/60	DN100	FWF-3800 + FWH-3800*	42.40	1077	57.76	1467	75.83	1926	1583	718	1583	718
RFA-4000	4103	400/3/50	460/3/60	DN150	FWF-5000 + FWH-5000*	41.81	1062	86.13	2188	75.75	1924	1984	900	1984	900
RFA-4600	4632	400/3/50	460/3/60	DN150	FWF-5000 + FWH-5000*	41.81	1062	86.13	2188	75.75	1924	1984	900	2035	923
RFA-5200	5294	400/3/50	460/3/60	DN150	FWF-6500 + FWH-6500*	47.24	1200	88.46	2247	80.46	2044	3528	1600	2150	975
RFA-6200	6176	400/3/50	460/3/60	DN200	FWF-6500 + FWH-6500*	47.24	1200	88.46	2247	80.46	2044	4116	1867	2450	1111
RFA-7300	7353	400/3/50	460/3/60	DN200	FWF-8300 + FWH-8300*	61.02	1550	104.33	2650	82.68	2100	4900	2223	3090	1402

**Filters are not integrated and need to be purchased and shipped loose*

FOR ALL MODELS:
Pressure Drop: <3 psig **Max Working Pressure:** 230 psig **Max Ambient Temperature:** 113°F / 45°C **Max Inlet Temp:** 122°F / 50°C

CORRECTION FACTORS FOR RFA DRYERS								
Inlet Temperature (˚C)	30	35	40	45	50	60	—	—
F1	1.29	1.00	0.92	0.78	0.65	0.45	—	—
Ambient Temperature (˚C)	20	25	30	35	40	50	—	—
F2	1.05	1.00	0.98	0.93	0.84	0.70	—	—
Pressure (bar)	4	6	7	8	10	12	14	16
F3	0.80	0.94	1.00	1.04	1.11	1.16	1.22	1.25

For more information, contact your local authorized Sullair distributor.

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