

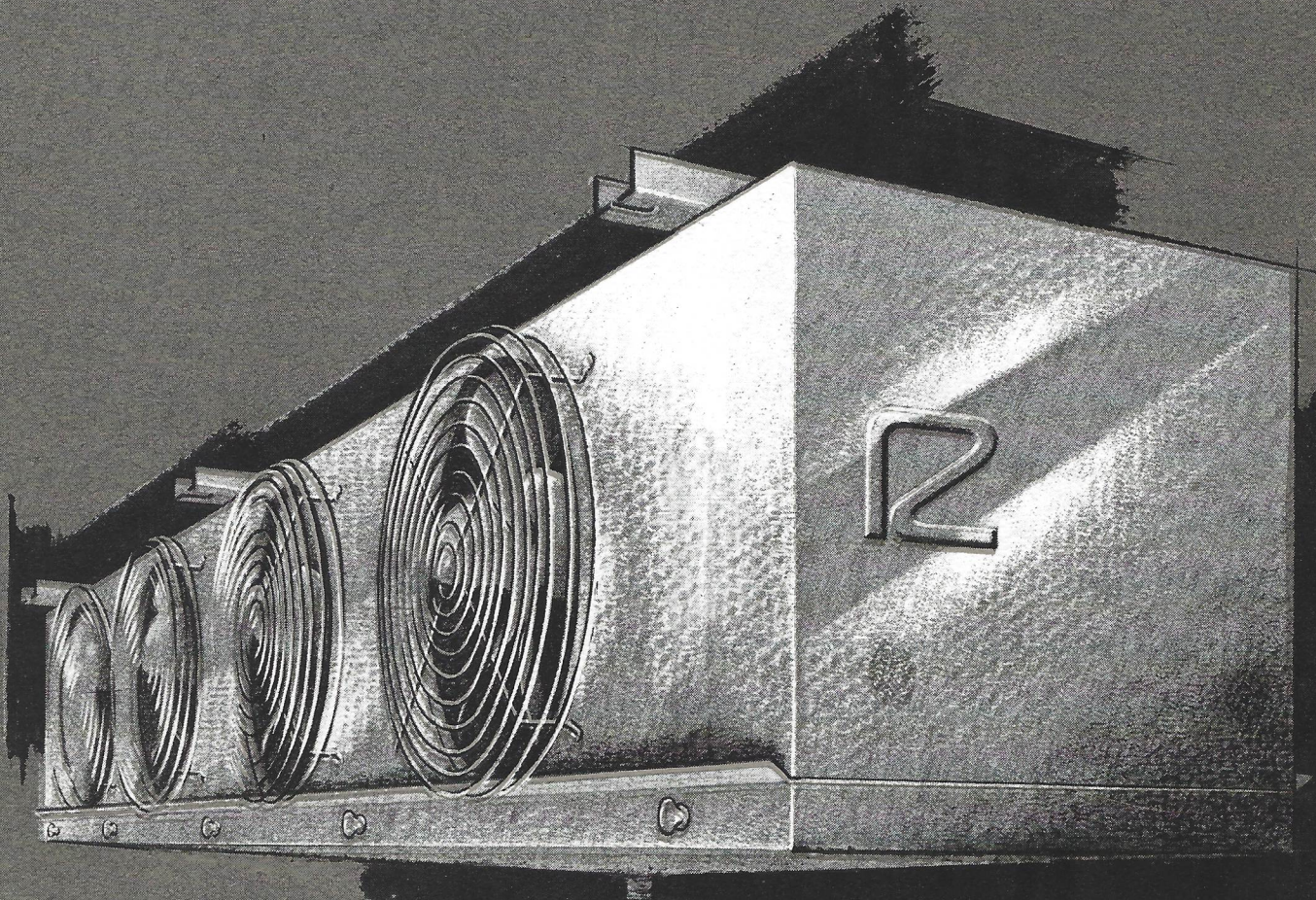


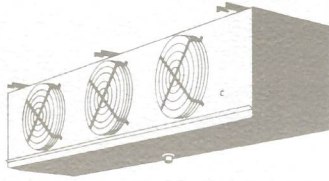
RUSSELL

ALL-TEMP

LOW PROFILE UNIT COOLERS

The original low profile design! Compact and highly efficient. 36 ALL-TEMP models in a variety of fin spacings match any temperature/humidity condition. For walk-in coolers—from 3,400 to 31,200 BTU/HR.





RUSSELL ALL-TEMP is the original low profile design—the efficient, dependable unit that produces higher capacity output in a more compact size. Creative RUSSELL engineering has established the ALL-TEMP unit as the basic all purpose design for walk-in cooler, beverage box, meat storage, cutting room and produce storage applications.

RUSSELL manufacturing capabilities offer you the most versatile selection of capacities and fin spacings—from 4 to 8 fins per inch.

RUSSELL-BOND™, our exclusive manufacturing process assures uniform, efficient heat transfer action in every RUSSELL Coil.

ALL-TEMP FEATURES

SIZE—Compact, only 14" high, 15" deep! Low profile design provides more usable headroom. Lightweight, easy to install, easy to service.

HOUSING—Rust-proof all aluminum construction. N.S.F. approved.

COIL—Heavy gauge aluminum fins and copper tube cores. Exclusive RUSSELL-BOND full collar process eliminates split collars for maximum heat transfer efficiency. Accurate, uniform fin spacing provides even, overall air distribution.

FANS—Low noise level with low air velocity from specially designed 10" one-piece five blade fans.

MOTORS—Life lubricated 1/47 H.P. with thermal overload protection. Available 115, 208 or 230 volt, 60 cycle, 1 phase.

ELECTRICAL—Completely factory prewired for fast installation. U.L. Listed.

REFRIGERANTS—For use with R12, R22, and R502. Available with Aluminum tubes for Ammonia.

DEFROST SYSTEM—Available with RUSSELL LIGHTNING Defrost System (electric) or RUSSELL SUPER-HEAT Defrost System (hot gas). See RUSSELL Defrost Bulletins for details.

APPLICATIONS—To correctly size the ALL-TEMP unit cooler to any job requirement, refer to the ARDCO REFRIGERATION MANUAL.

SPECIFICATIONS

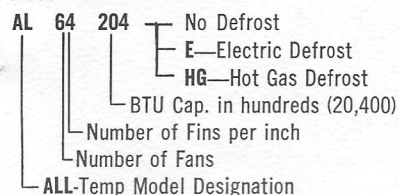
MODEL	BTU/HR	
	10°TD	12°TD
AL14-34	3400	4080
AL24-40	4000	4800
AL24-53	5300	6360
AL24-68	6800	8160
AL34-80	8000	9600
AL34-102*	10200	12240
AL44-136*	13600	16320
AL54-170*	17000	20400
AL64-204*	20400	24480
AL15-41	4100	4920
AL25-50	5000	6000
AL25-64	6400	7680
AL25-82	8200	9840
AL35-96	9600	11520
AL35-123*	12300	14760
AL45-164*	16400	19680
AL55-205*	20500	24600
AL65-246*	24600	29520
AL16-46	4600	5520
AL26-56	5600	6720
AL26-72	7200	8640
AL26-92	9200	11040
AL36-110	11000	13200
AL36-139*	13900	16680
AL46-185*	18500	22200
AL56-230*	23000	27600
AL66-276*	27600	33120
AL18-52	5200	6240
AL28-62	6200	7440
AL28-81	8100	9720
AL28-104	10400	12480
AL38-122	12200	14640
AL38-156*	15600	18720
AL48-208*	20800	24960
AL58-260*	26000	31200
AL68-312*	31200	37440

*Uses externally equalized TX Valve. All other models require internally equalized TX Valves. All drain connections 3/4" MPT.

SURFACE SQ. FT.	CFM	FANS NO./SIZE	H.P.	MOTOR AMPS		WATTS	ELECTRIC DEFROST AMPS		PHASE	HOT GAS DEFROST USE HEA
				115V	230V		230V			
95	625	1-10"	1/47	1.1	.55	1560	6.8	1	1A	
95	1500	2-10"	1/47	2.2	1.1	1550	6.7	1	1A	
142	1370	2-10"	1/47	2.2	1.1	3100	13.5	1	1A	
190	1250	2-10"	1/47	2.2	1.1	3100	13.5	1	2A	
214	2060	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
285	1875	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
380	2500	4-10"	1/47	4.4	2.2	5960	18.3	3	3A	
475	3125	5-10"	1/47	5.5	2.75	7460	24.0	3	3A	
570	3750	6-10"	1/47	6.6	3.3	8900	28.0	3	3A	
117	615	1-10"	1/47	1.1	.55	1560	6.8	1	1A	
117	1480	2-10"	1/47	2.2	1.1	1550	6.7	1	1A	
161	1350	2-10"	1/47	2.2	1.1	3100	13.5	1	1A	
230	1230	2-10"	1/47	2.2	1.1	3100	13.5	1	2A	
263	2030	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
351	1845	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
468	2460	4-10"	1/47	4.4	2.2	5960	18.3	3	3A	
585	3078	5-10"	1/47	5.5	2.75	7460	24.0	3	3A	
702	3700	6-10"	1/47	6.6	3.3	8900	28.0	3	3A	
139	600	1-10"	1/47	1.1	.55	1560	6.8	1	1A	
139	1440	2-10"	1/47	2.2	1.1	1550	6.7	1	1A	
194	1320	2-10"	1/47	2.2	1.1	3100	13.5	1	1A	
278	1200	2-10"	1/47	2.2	1.1	3100	13.5	1	2A	
313	1980	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
417	1800	3-10"	1/47	3.3	1.65	4400	19.1	1	2A	
556	2400	4-10"	1/47	4.4	2.2	5960	18.3	3	3A	
695	3000	5-10"	1/47	5.5	2.75	7460	24.0	3	3A	
834	3600	6-10"	1/47	6.6	3.3	8900	28.0	3	3A	
183	580	1-10"	1/47	1.1	.55					
183	1390	2-10"	1/47	2.2	1.1					
274	1280	2-10"	1/47	2.2	1.1					
366	1160	2-10"	1/47	2.2	1.1					
412	1910	3-10"	1/47	3.3	1.65					
550	1740	3-10"	1/47	3.3	1.65					
733	2320	4-10"	1/47	4.4	2.2					
916	2900	5-10"	1/47	5.5	2.75					
1100	3480	6-10"	1/47	6.6	3.3					

8 FINS/INCH
Not recommended
for applications
below 35°

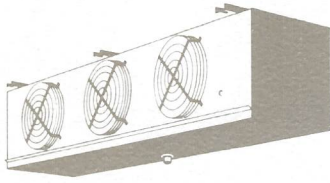
Model Number Breakdown



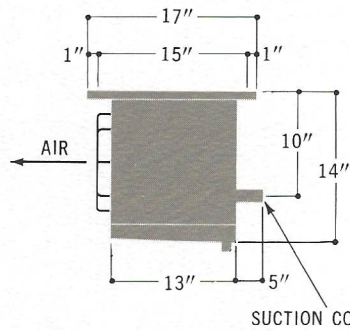
WHEN ORDERING, SPECIFY:

1. Model number
2. Type of defrost
3. Electrical characteristics (voltage, frequency, phase)
4. Type of refrigerant
5. Suction temperature
6. Entering air-to-refrigerant T.D.





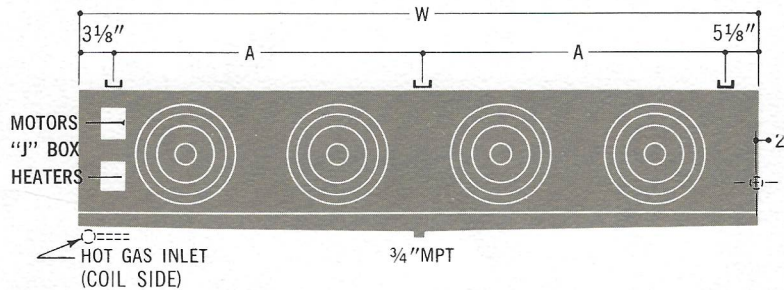
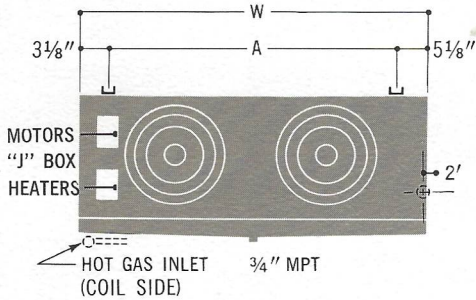
MOUNTING DIMENSIONS



NO. FANS	NO. HANGERS	A DIMEN.	W DIMEN.
1	2	19 ¹ / ₈	27 ³ / ₈
2	2	37 ¹ / ₈	45 ³ / ₈
3	2	55 ¹ / ₈	63 ³ / ₈
4	3	36 ³ / ₈	81 ³ / ₈
5	3	45 ¹ / ₈	99 ³ / ₈
6	3	54 ¹ / ₈	117 ³ / ₈

First Model number digit indicates number of fans. (Example: AL64-204—6 fans)

SUCTION CONN.



NOTE: Install unit not less than 12" from wall

SPECIFICATIONS

MODEL	LIQUID CONN. F.N.	SUCTION CONN. O.D.S.	HOT GAS CONN. TO PAN	WEIGHT
AL14-34	1/2"	5/8"	5/8"	35
AL24-40	1/2"	5/8"	5/8"	54
AL24-53	1/2"	5/8"	5/8"	61
AL24-68	1/2"	5/8"	5/8"	68
AL34-80	1/2"	5/8"	7/8"	90
AL34-102*	1/2"	7/8"	7/8"	100
AL44-136*	1/2"	7/8"	7/8"	133
AL54-170*	1/2"	1 1/8"	1 1/8"	166
AL64-204*	1/2"	1 1/8"	1 1/8"	198
AL15-41	1/2"	5/8"	5/8"	37
AL25-50	1/2"	5/8"	5/8"	57
AL25-64	1/2"	5/8"	5/8"	64
AL25-82	1/2"	5/8"	5/8"	72
AL35-96	1/2"	5/8"	7/8"	95
AL35-123*	1/2"	7/8"	7/8"	106
AL45-164*	1/2"	7/8"	7/8"	140
AL55-205*	1/2"	1 1/8"	1 1/8"	175
AL65-246*	1/2"	1 1/8"	1 1/8"	210
AL16-46	1/2"	5/8"	5/8"	38
AL26-56	1/2"	5/8"	5/8"	61
AL26-72	1/2"	5/8"	5/8"	68
AL26-92	1/2"	5/8"	5/8"	75
AL36-110	1/2"	5/8"	7/8"	100
AL36-139*	1/2"	7/8"	7/8"	111
AL46-185*	1/2"	7/8"	7/8"	147
AL56-230*	1/2"	1 1/8"	1 1/8"	183
AL66-276*	1/2"	1 1/8"	1 1/8"	219
AL18-52	1/2"	5/8"	—	42
AL28-62	1/2"	5/8"	—	65
AL28-81	1/2"	5/8"	—	72
AL28-104	1/2"	5/8"	—	80
AL38-122	1/2"	5/8"	—	108
AL38-156*	1/2"	7/8"	—	119
AL48-208*	1/2"	7/8"	—	158
AL58-260*	1/2"	1 1/8"	—	197
AL68-312*	1/2"	1 1/8"	—	236

*Uses externally equalized TX Valve. All other models require internally equalized TX Valves. All drain connections 3/4" MPT.

RUSSELL COIL COMPANY

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