



Form E200-301.1 SED (JUL 1993)

**SPECIFICATIONS - ENGINEERING DATA - DIMENSIONS**

File: EQUIPMENT MANUAL - Section 200  
Replaces: NOTHING (New Information)  
Dist: 1, 1a, 1b, 1c, 4, 4b, 4c

# **ALC Series**

## **Aluminum Product Coolers**

**Proven Superiority in Heat Transfer Performance**



# The Advantages of Aluminum

## THERMAL CONDUCTIVITY OF MATERIALS <sup>①</sup>

<b>Aluminum</b>	<b>128.0</b>	<b>Btu/h • ft • °F</b>
<b>Steel</b>	<b>26.2</b>	<b>Btu/h • ft • °F</b>
<b>Zinc</b>	<b>65.0</b>	<b>Btu/h • ft • °F</b>

## PROVEN SUPERIORITY IN HEAT TRANSFER PERFORMANCE

While engineering data, ASHRAE and ARI calculations clearly indicate the superior heat transfer performance of aluminum coils (1), aluminum's enhanced performance is further supported by testing conducted at a major university.

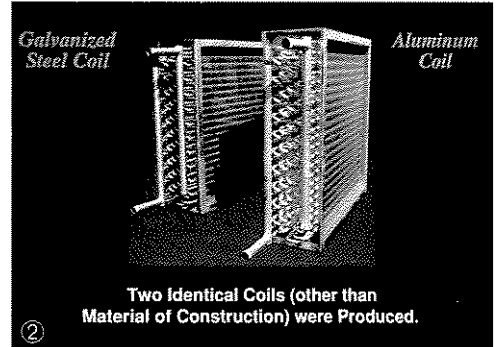
The university's design team subjected two geometrically identical coils (one aluminum, one galvanized steel) to a series of wind tunnel tests utilizing extremely precise and calibrated instrumentation (2).

The results of the testing, established across a range of airflows and temperatures, show the clear and measurable improvement in heat transfer offered by aluminum coils (3).

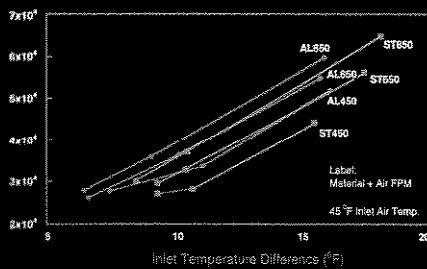
## HEAT TRANSFER PERFORMANCE IMPROVES ENERGY EFFICIENCY

For two coils of identical surface, the one with superior heat transfer performance (aluminum) requires a smaller TD for a given load. This corresponds to higher-suction temperatures and improved compressor efficiency.

Further, aluminum coils defrost much quicker. This reduces heat input to refrigerated spaces, lessens total load requirements and improves refrigeration system efficiency.



## COOLANT Q vs. INLET TEMPERATURE DIFFERENCE <sup>③</sup>



## REDUCED WEIGHT REDUCES INSTALLATION AND CONSTRUCTION COSTS

With aluminum coils weighing roughly one-third of their galvanized steel counterparts, complete air units (including fans, motors and housings) weigh about half as much.

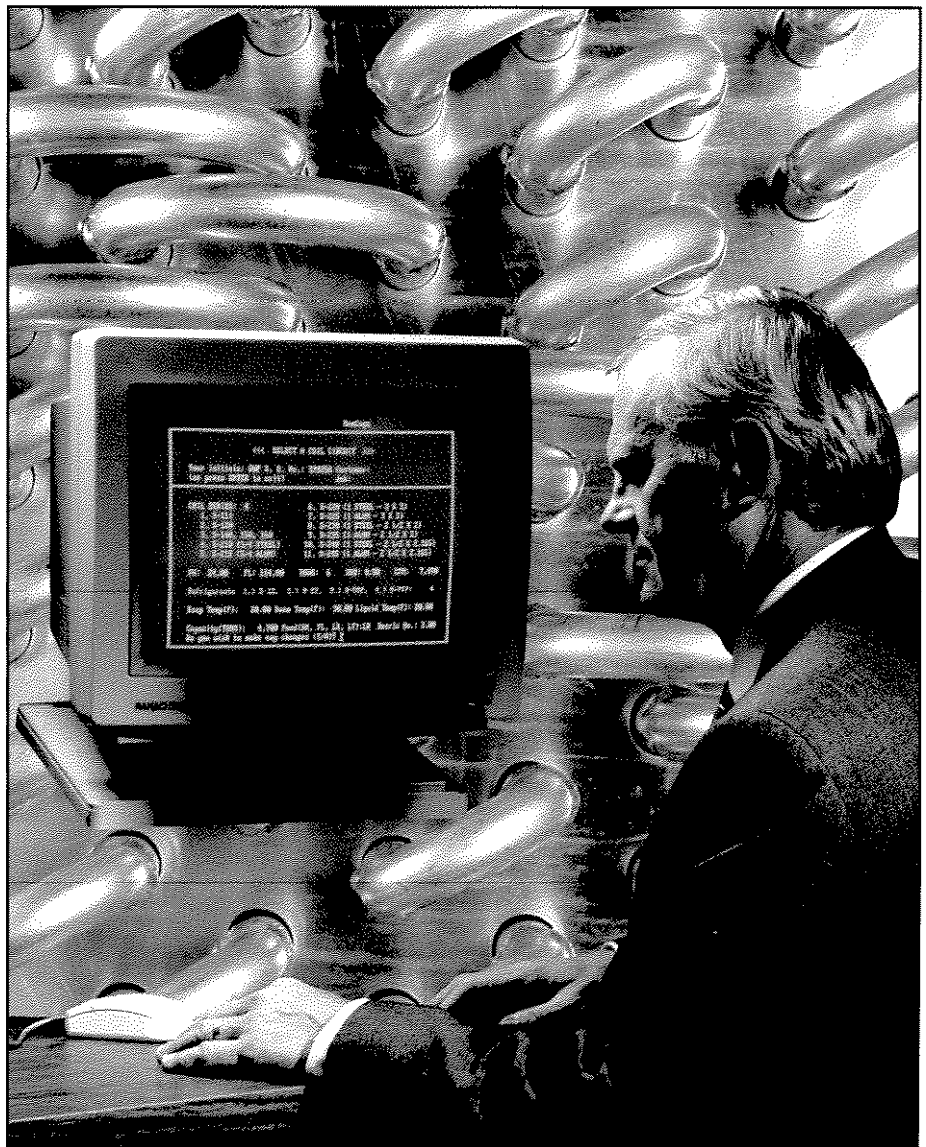
This relates to obvious savings in structural steel, rigging and construction costs.

## RELIABILITY IS BUILT IN, DESIGNED IN

Our aluminum coils are of such quality that **they are recognized under the Recognized Component Program of Underwriters Laboratories Inc., in full compliance with their "Standard for Safety"**. Every coil

produced is submersion tested at 350 psig. Coils are custom circuited via computer simulation of your specific application. This ensures that an optimal balance is achieved between high refrigerant velocity (which enhances heat transfer performance internal to the coil) and circuit pressure drop (which can negatively influence refrigerant temperature and coil performance).

Computer-driven selection software and CAD-produced submittal drawings speed the consideration of alternatives and ensure a perfect match to your requirements.



# Selection/Application Data

**COIL CAPACITY** is based on sensible heat removal, medium frosted coil condition. Temperature difference is the temperature of the air entering the coil and the coil evaporation temperature. Ratings shown are for ammonia. **Increase coil capacities by 10% for wet coil operation.** Catalogue data has been developed for coils utilizing 1" tubing. A full complement of 3/4" tube coils are available, should you have a DX requirement. Consult your local Frick/Frigid Coil representative for details.

**BRINE SYSTEMS** capacity rating, consult factory. Provide capacity required, type of brine, room temperature, brine temperature and GPM available.

**VARI-FIN** applications require unit capacities to be rerated, refer to correction factors in the table below. First two rows on air entering side 2 FPI, balance of coil 3 or 4 FPI.

Finned Coil Capacity Correction Factors				
Fin Spacing	Rows Deep			Multiply by
	6	8	10	
2/3 FPI	.88	.9	.92	3 FPI rating
2/4 FPI	.85	.89	.91	4 FPI rating

**NOISE LEVELS** are based on fan manufacturer's data. Actual levels may vary due to installation environment.

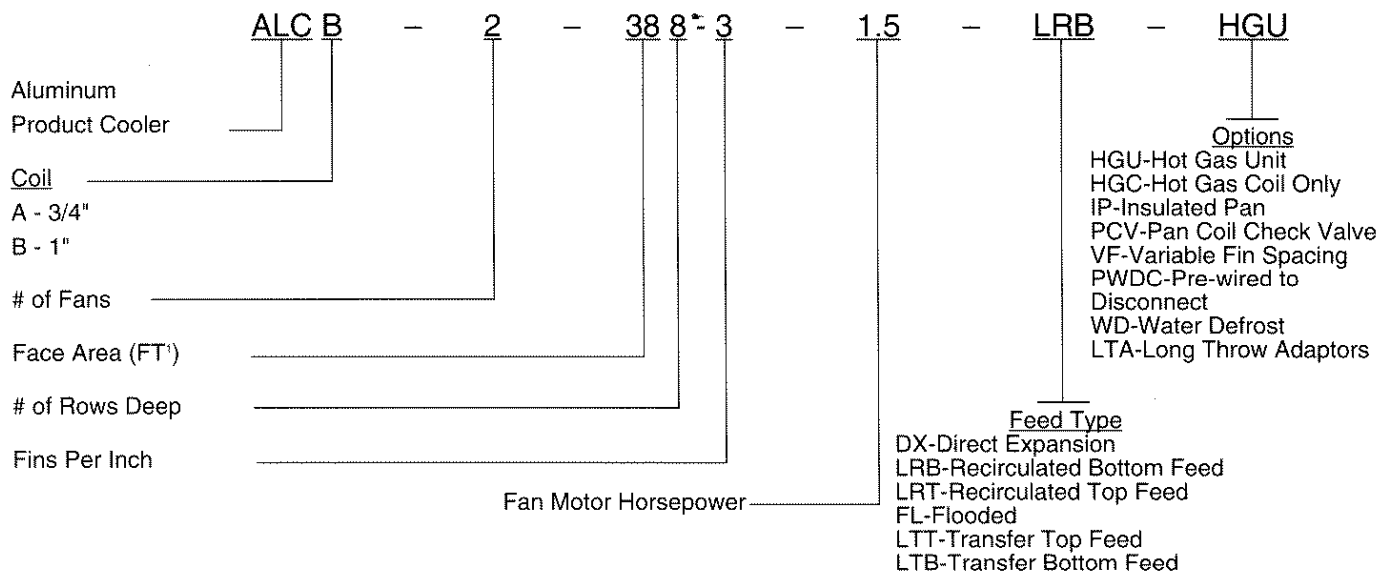
**MOTOR OVERLOADS**, motors, in cold rooms may draw more than nameplate amperage due to colder, more dense air. It is recommended that motor amps be measured after pull down and motor overloads be adjusted for actual amperage draw. The horsepower/amperage correction factor may be used to approximate current draw and establish correct size motor overloads for the amperage. It is recommended that motors have overload protection on all phase legs. All wiring must be in accordance with governing electrical code.

Horsepower/Amperage Correction Factor							
Suction Temp. °F	+30	+20	+10	0	-10	-20	-30
Correction Factor	1.09	1.11	1.13	1.16	1.18	1.21	1.23

**FAN MOTOR** heat is not included in the rating. Add 4,000 BTUH/FAN Hp to load estimate.

**HIGH TEMPERATURE** units should be used in rooms above +32°F. These units have a low face velocity, approximately 625 FPM, to prevent moisture carry-over.

## EXPLANATION OF MODEL-NUMBERING SYSTEM



# Standard/Optional Features

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## STANDARD UNIT

**CASING** is manufactured from heavy gauge mill galvanized steel. Each fan section is compartmentalized to permit individual fan operation for capacity control and to prevent reverse fan rotation

**COOLING COIL** is constructed from heavy wall ALUMINUM tubing. Tubes are staggered in the direction of air flow to obtain maximum heat transfer efficiency. Coils are tested at 350 PSIG and charged with dry air for shipment. Coils are circuited for liquid recirculation, flooded or brine circulation. Each circuit is custom designed to specific design conditions to insure maximum coil efficiency and minimum pressure drop.

**COIL CONNECTIONS** are furnished with 150 PSIG steel companion flanges and isolation kits.

**DRAIN PAN** is constructed from heavy gauge galvanized steel. Corners are welded to insure rigidity. Pan is leak tested prior to factory mounting on unit.

**FANS** are high performance axial, non-overloading, one piece, cast aluminum propeller type each direct connected to fan motor mounted in fan orifice panel for maximum air throw. Fan guards are furnished in accordance with OSHA guidelines.

**MOTORS** are TE (totally enclosed) 860, 1140 or 1750 RPM, 230/460/3/60 with low temperature lubrication. Each motor is factory wired to a junction box mounted on the fan panel.

## OPTIONAL ACCESSORIES

**PAN COIL** is fastened to inside of inner pan for hot gas defrost. Pan coil is manufactured from heavy gauge round tubing and hot dipped galvanized after fabrication. Tubes are spaced on close centers for maximum coverage to direct heat to pan. Insulation is attached to underside of pan with galvanized outer cover.

**WATER DEFROST** distribution trays offer complete coverage of finned area, headers, and return bends. Ends are enclosed and splash guard provided on entering air side. Trays are provided to aid in adjusting water level. Oversize connection on drain pan to insure proper drainage.

**PAN COIL CHECK VALVE** is factory fitted between cooling coil and hot gas pan coil, shipped mounted and piped.

**VARI-FIN SPACING** for high frost applications. First two rows of coil on air entering side 2 FPI, balance of coil 3 or 4 FPI. Custom arrangements available for specific designs. Consult factory.

**MOTORS** with several voltages, or two speed, one or two winding are available. Consult factory on 50 hertz application.

**LONG THROW ADAPTORS** are furnished with air straightening vanes and shipped loose for field mounting.

**ALL ALUMINUM HOUSINGS** are manufactured with heavy gauge aluminum sheets, and have the same features as the standard unit. On units furnished with hot gas defrost, the pan coil is manufactured from heavy gauge round aluminum tubing and furnished with 150 PSIG steel companion flange and isolation kit.

# ALC Series

## Product Cooler Capacity Data

### 1 Fan

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data									
		Fan Dia (in)	RPM	Sound** Level (dBA)	0" ESP			1/4" ESP			1/2" ESP			
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	
ALCB-1-146 -3	1	30	1160	78.0	5,885	8,783	623							
ALCB-1-148 -3	1	30	1160	78.0	6,772	8,289	588							
ALCB-1-1410-3	1	30	1160	78.0	8,042	8,966	636							
ALCB-1-146 -4	1	30	1160	78.0	6,362	8,656	614							
ALCB-1-148 -4	1	30	1160	78.0	7,651	8,938	634							
ALCB-1-1410-4	1	30	1160	78.0	8,352	8,740	620							
ALCB-1-146 -3	1.5	30	1160	79.0	6,627	10,742	762	6,015	9,107	646				
ALCB-1-148 -3	1.5	30	1160	79.0	7,694	10,037	712	6,859	8,444	599				
ALCB-1-1410-3	1.5	30	1160	79.0	8,342	9,431	669	7,308	7,880	559				
ALCB-1-146 -4	1.5	30	1160	79.0	7,208	10,559	749	6,488	8,924	633				
ALCB-1-148 -4	1.5	30	1160	79.0	8,177	9,826	697	7,222	8,247	585				
ALCB-1-1410-4	1.5	30	1160	79.0	8,682	9,191	652	7,535	7,669	544				
ALCB-1-146 -3	2	30	1160	80.0	6,848	11,376	807	6,244	9,699	688	5,401	7,641	542	
ALCB-1-148 -3	2	30	1160	80.0	7,957	10,573	750	7,127	8,938	634	6,064	7,077	502	
ALCB-1-1410-3	2	30	1160	80.0	8,625	9,882	701	7,619	8,331	591	6,396	6,626	470	
ALCB-1-146 -4	2	30	1160	80.0	7,457	11,165	792	6,745	9,487	673	5,781	7,486	531	
ALCB-1-148 -4	2	30	1160	80.0	8,465	10,333	733	7,522	8,726	619	6,344	6,922	491	
ALCB-1-1410-4	2	30	1160	80.0	8,994	9,628	683	7,874	8,106	575	6,562	6,471	459	
ALCB-1-146 -3	3	30	1750	84.0	7,545	13,519	959	7,244	12,561	891	6,904	11,532	818	
ALCB-1-148 -3	3	30	1750	84.0	8,994	12,857	912	8,594	11,940	847	8,142	10,954	777	
ALCB-1-1410-3	3	30	1750	84.0	10,021	12,279	871	9,526	11,391	808	8,956	10,418	739	
ALCB-1-146 -4	3	30	1750	84.0	8,284	13,336	946	7,943	12,406	880	7,545	11,376	807	
ALCB-1-148 -4	3	30	1750	84.0	9,691	12,659	898	9,228	11,743	833	8,703	10,756	763	
ALCB-1-1410-4	3	30	1750	84.0	10,606	12,053	855	10,040	11,165	792	9,410	10,220	725	
ALCB-1-146 -3	5	30	1750	86.0	8,385	16,564	1175	8,146	15,620	1108	7,855	14,562	1033	
ALCB-1-148 -3	5	30	1750	86.0	10,086	15,634	1109	9,734	14,689	1042	9,316	13,632	967	
ALCB-1-1410-3	5	30	1750	86.0	11,313	14,802	1050	10,855	13,872	984	10,316	12,828	910	
ALCB-1-146 -4	5	30	1750	86.0	9,268	16,325	1158	8,972	15,366	1090	8,629	14,323	1016	
ALCB-1-148 -4	5	30	1750	86.0	10,933	15,352	1089	10,517	14,407	1022	10,026	13,350	947	
ALCB-1-1410-4	5	30	1750	86.0	12,032	14,478	1027	11,503	13,547	961	10,892	12,518	888	
ALCB-1-176 -3	1	36	1160	81.0	7,176	10,733	627							
ALCB-1-178 -3	1	36	1160	81.0	8,341	10,271	600							
ALCB-1-1710-3	1	36	1160	81.0	9,080	9,860	576							
ALCB-1-176 -4	1	36	1160	81.0	7,777	10,613	620							
ALCB-1-178 -4	1	36	1160	81.0	8,850	10,134	592							
ALCB-1-1710-4	1	36	1160	81.0	9,448	9,689	566							
ALCB-1-176 -3	1.5	36	1160	82.0	7,466	11,469	670	6,576	9,312	544				
ALCB-1-178 -3	1.5	36	1160	82.0	9,397	12,291	718	8,510	10,579	618				
ALCB-1-1710-3	1.5	36	1160	82.0	10,231	11,606	678	9,127	9,928	580				
ALCB-1-176 -4	1.5	36	1160	82.0	8,078	11,264	658	7,049	9,141	534				
ALCB-1-178 -4	1.5	36	1160	82.0	10,733	12,051	704	8,989	10,356	605				
ALCB-1-1710-4	1.5	36	1160	82.0	10,670	11,332	662	9,448	9,689	566				
ALCB-1-176 -3	2	36	1160	83.0	8,578	14,585	852	7,982	12,856	751	7,251	10,921	638	
ALCB-1-178 -3	2	36	1160	83.0	10,045	13,643	797	9,260	12,017	702	8,294	10,185	595	
ALCB-1-1710-3	2	36	1160	83.0	10,997	12,856	751	10,035	11,298	660	8,866	9,552	558	
ALCB-1-176 -4	2	36	1160	83.0	9,362	14,328	837	8,676	12,633	738	7,825	10,716	626	
ALCB-1-178 -4	2	36	1160	83.0	10,733	13,369	781	9,833	11,760	687	8,741	9,963	582	
ALCB-1-1710-4	2	36	1160	83.0	11,518	12,548	733	10,447	11,024	644	9,168	9,329	545	

\* Capacity in BTUH\*TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series - 1 Fan

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-1-176 -3	3	36	1160	84.0	9,561	17,769	1038	9,104	16,228	948	8,509	14,379	840
ALCB-1-178 -3	3	36	1160	84.0	11,325	16,587	969	10,684	15,064	880	9,877	13,284	776
ALCB-1-1710-3	3	36	1160	84.0	12,516	15,560	909	11,692	14,054	821	10,698	12,359	722
ALCB-1-176 -4	3	36	1160	84.0	10,500	17,460	1020	9,960	15,920	930	9,269	14,088	823
ALCB-1-178 -4	3	36	1160	84.0	12,182	16,228	948	11,423	14,687	858	10,500	12,941	756
ALCB-1-1710-4	3	36	1160	84.0	13,193	15,149	885	12,257	13,660	798	11,153	12,017	702
ALCB-1-176 -3	5	36	1750	89.0	9,955	19,206	1122	9,688	18,214	1064	9,378	17,135	1001
ALCB-1-178 -3	5	36	1750	89.0	11,995	18,299	1069	11,614	17,306	1011	11,179	16,228	948
ALCB-1-1710-3	5	36	1750	89.0	13,496	17,478	1021	12,999	16,485	963	12,463	15,458	903
ALCB-1-176 -4	5	36	1750	89.0	10,992	18,967	1108	10,672	17,974	1050	10,307	16,896	987
ALCB-1-178 -4	5	36	1750	89.0	13,000	18,008	1052	12,560	17,032	995	12,052	15,954	932
ALCB-1-1710-4	5	36	1750	89.0	14,370	17,152	1002	13,809	16,177	945	13,195	15,149	885
ALCB-1-176 -3	7.5	36	1750	91.0							10,140	19,943	1165
ALCB-1-178 -3	7.5	36	1750	91.0							12,154	18,727	1094
ALCB-1-1710-3	7.5	36	1750	91.0							13,596	17,683	1033
ALCB-1-176 -4	7.5	36	1750	91.0							11,193	19,617	1146
ALCB-1-178 -4	7.5	36	1750	91.0							13,150	18,351	1072
ALCB-1-1710-4	7.5	36	1750	91.0							14,438	17,272	1009
ALCB-1-196 -3	1	36	1160	81.0	7,979	11,900	622						
ALCB-1-198 -3	1	36	1160	81.0	9,170	11,211	586						
ALCB-1-1910-3	1	36	1160	81.0	9,852	10,599	554						
ALCB-1-196 -4	1	36	1160	81.0	8,616	11,709	612						
ALCB-1-198 -4	1	36	1160	81.0	9,680	11,001	575						
ALCB-1-1910-4	1	36	1160	81.0	10,197	10,370	542						
ALCB-1-196 -3	1.5	36	1160	82.0	8,603	13,507	706	7,909	11,728	613			
ALCB-1-198 -3	1.5	36	1160	82.0	10,034	12,818	670	9,084	11,058	578			
ALCB-1-1910-3	1.5	36	1160	82.0	10,914	12,168	636	9,757	10,465	547			
ALCB-1-196 -4	1.5	36	1160	82.0	9,358	13,335	697	8,543	11,556	604			
ALCB-1-198 -4	1.5	36	1160	82.0	10,672	12,608	659	9,582	10,848	567			
ALCB-1-1910-4	1.5	36	1160	82.0	11,392	11,938	624	10,091	10,236	535			
ALCB-1-196 -3	2	36	1160	83.0	9,202	15,172	793	8,553	13,373	699	7,743	11,326	592
ALCB-1-198 -3	2	36	1160	83.0	10,771	14,292	747	9,915	12,589	658	8,855	10,656	557
ALCB-1-1910-3	2	36	1160	83.0	11,788	13,545	708	10,738	11,900	622	9,471	10,063	526
ALCB-1-196 -4	2	36	1160	83.0	10,028	14,923	780	9,282	13,163	688	8,348	11,154	583
ALCB-1-198 -4	2	36	1160	83.0	11,488	14,024	733	10,511	12,340	645	9,320	10,446	546
ALCB-1-1910-4	2	36	1160	83.0	12,341	13,258	693	11,165	11,632	608	9,771	9,834	514
ALCB-1-196 -3	3	42	1160	85.0	10,281	18,481	966	9,550	16,186	846	8,600	13,488	705
ALCB-1-198 -3	3	42	1160	85.0	12,009	16,989	888	11,022	14,808	774	9,769	12,302	643
ALCB-1-1910-3	3	42	1160	85.0	13,091	15,746	823	11,888	13,698	716	10,373	11,345	593
ALCB-1-196 -4	3	42	1160	85.0	11,236	18,080	945	10,383	15,803	826	9,286	13,163	688
ALCB-1-198 -4	3	42	1160	85.0	12,837	16,549	865	11,706	14,406	753	10,285	11,957	625
ALCB-1-1910-4	3	42	1160	85.0	13,713	15,286	799	12,361	13,278	694	10,694	11,001	575
ALCB-1-196 -3	5	42	1160	87.0	11,096	21,351	1116	10,499	19,208	1004	9,701	16,645	870
ALCB-1-198 -3	5	42	1160	87.0	13,063	19,553	1022	12,214	17,467	913	11,121	15,019	785
ALCB-1-1910-3	5	42	1160	87.0	14,331	18,041	943	13,252	16,033	838	11,900	13,718	717
ALCB-1-196 -4	5	42	1160	87.0	12,177	20,854	1090	11,467	18,730	979	10,539	16,205	847
ALCB-1-198 -4	5	42	1160	87.0	14,028	19,017	994	13,038	16,951	886	11,790	14,559	761
ALCB-1-1910-4	5	42	1160	87.0	15,071	17,467	913	13,861	15,516	811	12,347	13,258	693
ALCB-1-196 -3	7.5	42	1160	89.0	11,774	24,278	1269	11,361	22,404	1171	10,806	20,280	1060
ALCB-1-198 -3	7.5	42	1160	89.0	14,058	22,270	1164	13,413	20,471	1070	12,620	18,443	964
ALCB-1-1910-3	7.5	42	1160	89.0	15,600	20,605	1077	14,760	18,883	987	13,766	16,970	887
ALCB-1-196 -4	7.5	42	1160	89.0	13,031	23,743	1241	12,492	21,868	1143	11,826	19,782	1034
ALCB-1-198 -4	7.5	42	1160	89.0	15,193	21,676	1133	14,427	19,897	1040	13,506	17,908	936
ALCB-1-1910-4	7.5	42	1160	89.0	16,509	19,974	1044	15,556	18,290	956	14,441	16,434	859
ALCB-1-226 -3	1.5	36	1160	82.0	9,225	13,934	637						
ALCB-1-228 -3	1.5	36	1160	82.0	10,775	13,344	610						
ALCB-1-2210-3	1.5	36	1160	82.0	11,733	12,797	585						
ALCB-1-226 -4	1.5	36	1160	82.0	10,037	13,781	630						
ALCB-1-228 -4	1.5	36	1160	82.0	11,428	13,147	601						
ALCB-1-2210-4	1.5	36	1160	82.0	12,219	12,578	575						
ALCB-1-226 -3	2	36	1160	83.0	9,951	15,750	720	9,229	13,869	634	8,352	11,791	539
ALCB-1-228 -3	2	36	1160	83.0	11,641	14,984	685	10,679	13,169	602	9,530	11,178	511
ALCB-1-2210-3	2	36	1160	83.0	12,720	14,284	653	11,568	12,556	574	10,188	10,631	486

\* Capacity in BTUH/°TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series - 1 Fan

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-1-226 -4	2	36	1160	83.0	10,833	15,553	711	9,996	13,694	626	8,971	11,616	531
ALCB-1-228 -4	2	36	1160	83.0	12,396	14,744	674	11,304	12,950	592	10,010	10,981	502
ALCB-1-2210-4	2	36	1160	83.0	13,282	14,000	640	12,017	12,316	563	10,511	10,434	477
ALCB-1-226 -3	3	42	1160	85.0	11,263	19,556	894	10,464	17,172	785	9,415	14,328	655
ALCB-1-228 -3	3	42	1160	85.0	13,179	18,178	831	12,096	15,881	726	10,709	13,213	604
ALCB-1-2210-3	3	42	1160	85.0	14,391	16,997	777	13,062	14,809	677	11,379	12,272	561
ALCB-1-226 -4	3	42	1160	85.0	12,301	19,184	877	11,371	16,822	769	10,154	14,022	641
ALCB-1-228 -4	3	42	1160	85.0	14,079	17,763	812	12,845	15,509	709	11,256	12,863	588
ALCB-1-2210-4	3	42	1160	85.0	15,075	16,559	757	13,590	14,416	659	11,719	11,922	545
ALCB-1-226 -3	5	42	1160	87.0	12,207	22,663	1036	11,540	20,431	934	10,690	17,828	815
ALCB-1-228 -3	5	42	1160	87.0	14,394	21,000	960	13,472	18,834	861	12,299	16,297	745
ALCB-1-2210-3	5	42	1160	87.0	15,833	19,578	895	14,669	17,478	799	13,200	15,028	687
ALCB-1-226 -4	5	42	1160	87.0	13,389	22,225	1016	12,610	20,016	915	11,611	17,413	796
ALCB-1-228 -4	5	42	1160	87.0	15,453	20,497	937	14,387	18,353	839	13,031	15,838	724
ALCB-1-2210-4	5	42	1160	87.0	16,660	19,031	870	15,351	16,975	776	13,684	14,547	665
ALCB-1-226 -3	7.5	42	1750	95.0	13,491	27,913	1276	13,144	26,272	1201	12,709	24,500	1120
ALCB-1-228 -3	7.5	42	1750	95.0	16,278	26,075	1192	15,743	24,522	1121	15,120	22,838	1044
ALCB-1-2210-3	7.5	42	1750	95.0	18,283	24,522	1121	17,584	23,034	1053	16,798	21,438	980
ALCB-1-226 -4	7.5	42	1750	95.0	14,969	27,409	1253	14,517	25,791	1179	13,991	24,063	1100
ALCB-1-228 -4	7.5	42	1750	95.0	17,674	25,528	1167	17,029	23,975	1096	16,308	22,334	1021
ALCB-1-2210-4	7.5	42	1750	95.0	19,468	23,931	1094	18,668	22,466	1027	17,785	20,913	956
ALCB-1-246 -3	1.5	36	1160	82.0	9,517	14,085	610						
ALCB-1-248 -3	1.5	36	1160	82.0	11,067	13,531	586						
ALCB-1-2410-3	1.5	36	1160	82.0	12,051	13,023	564						
ALCB-1-246 -4	1.5	36	1160	82.0	10,311	13,947	604						
ALCB-1-248 -4	1.5	36	1160	82.0	11,727	13,346	578						
ALCB-1-2410-4	1.5	36	1160	82.0	12,541	12,815	555						
ALCB-1-246 -3	2	36	1160	83.0	10,262	15,978	692	10,179	15,748	682			
ALCB-1-248 -3	2	36	1160	83.0	11,990	15,240	660	11,679	14,639	634			
ALCB-1-2410-3	2	36	1160	83.0	13,081	14,547	630	12,519	13,693	593			
ALCB-1-246 -4	2	36	1160	83.0	11,162	15,794	684	11,012	15,447	669			
ALCB-1-248 -4	2	36	1160	83.0	12,756	15,009	650	12,328	14,293	619			
ALCB-1-2410-4	2	36	1160	83.0	13,663	14,293	619	12,942	13,323	577			
ALCB-1-246 -3	3	42	1160	85.0	11,472	19,373	839	10,659	17,041	738	9,672	14,455	626
ALCB-1-248 -3	3	42	1160	85.0	13,433	18,149	786	12,364	15,955	691	11,061	13,508	585
ALCB-1-2410-3	3	42	1160	85.0	14,684	17,087	740	13,390	15,009	650	11,833	12,700	550
ALCB-1-246 -4	3	42	1160	85.0	12,513	19,026	824	11,588	16,764	726	10,437	14,201	615
ALCB-1-248 -4	3	42	1160	85.0	14,343	17,780	770	13,118	15,609	676	11,646	13,208	572
ALCB-1-2410-4	3	42	1160	85.0	15,382	16,694	723	13,944	14,662	635	12,224	12,399	537
ALCB-1-246 -3	5	42	1160	87.0	12,664	23,160	1003	11,970	20,897	905	11,094	18,264	791
ALCB-1-248 -3	5	42	1160	87.0	14,935	21,543	933	13,995	19,373	839	12,780	16,787	727
ALCB-1-2410-3	5	42	1160	87.0	16,451	20,181	874	15,257	18,057	782	13,729	15,540	673
ALCB-1-246 -4	5	42	1160	87.0	13,887	22,744	985	13,079	20,504	888	12,050	17,872	774
ALCB-1-248 -4	5	42	1160	87.0	16,032	21,058	912	14,946	18,911	819	13,546	16,348	708
ALCB-1-2410-4	5	42	1160	87.0	17,314	19,650	851	15,959	17,549	760	14,246	15,078	653
ALCB-1-246 -3	7.5	42	1160	89.0	13,534	26,323	1140	13,016	24,383	1056	12,359	22,144	959
ALCB-1-248 -3	7.5	42	1160	89.0	16,137	24,568	1064	15,390	22,652	981	14,484	20,481	887
ALCB-1-2410-3	7.5	42	1160	89.0	17,930	23,021	997	16,971	21,151	916	15,839	19,073	826
ALCB-1-246 -4	7.5	42	1160	89.0	14,907	25,838	1119	14,289	23,922	1036	13,512	21,682	939
ALCB-1-248 -4	7.5	42	1160	89.0	17,412	24,014	1040	16,532	22,097	957	15,493	19,973	865
ALCB-1-2410-4	7.5	42	1160	89.0	18,975	22,421	971	17,883	20,573	891	16,610	18,541	803
ALCB-1-296 -3	1.5	42	1160	82.0	11,845	17,354	595						
ALCB-1-298 -3	1.5	42	1160	82.0	13,639	16,479	565						
ALCB-1-2910-3	1.5	42	1160	82.0	14,696	15,692	538						
ALCB-1-296 -4	1.5	42	1160	82.0	12,789	17,121	587						
ALCB-1-298 -4	1.5	42	1160	82.0	14,387	16,188	555						
ALCB-1-2910-4	1.5	42	1160	82.0	15,206	15,371	527						
ALCB-1-296 -3	2	42	1160	83.0	12,856	19,892	682	11,722	17,063	585			
ALCB-1-298 -3	2	42	1160	83.0	14,937	18,842	646	13,420	16,100	552			
ALCB-1-2910-3	2	42	1160	83.0	16,222	17,908	614	14,383	15,254	523			
ALCB-1-296 -4	2	42	1160	83.0	13,960	19,629	673	12,631	16,800	576			
ALCB-1-298 -4	2	42	1160	83.0	15,854	18,521	635	14,138	15,808	542			
ALCB-1-2910-4	2	42	1160	83.0	16,875	17,529	601	14,856	14,933	512			

\* Capacity in BTUH/°TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series - 1 Fan

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-1 -296 -3	3	42	1160	85.0	13,442	21,467	736	12,494	18,958	650	11,231	15,925	546
ALCB-1 -296 -3	3	42	1160	85.0	15,749	20,417	700	14,452	17,938	615	12,765	14,992	514
ALCB-1 -2910-3	3	42	1160	85.0	17,210	19,425	666	15,631	17,033	584	13,591	14,175	486
ALCB-1 -296 -4	3	42	1160	85.0	14,648	21,204	727	13,536	18,696	641	12,072	15,692	538
ALCB-1 -296 -4	3	42	1160	85.0	16,772	20,067	688	15,298	17,617	604	13,394	14,700	504
ALCB-1 -2910-4	3	42	1160	85.0	17,991	19,046	653	16,210	16,654	571	13,975	13,854	475
ALCB-1 -296 -3	5	42	1160	87.0	14,673	25,025	858	13,869	22,663	777	12,878	19,950	684
ALCB-1 -298 -3	5	42	1160	87.0	17,331	23,713	813	16,241	21,406	734	14,890	18,754	643
ALCB-1 -2910-3	5	42	1160	87.0	19,116	22,546	773	17,761	20,300	696	16,046	17,646	605
ALCB-1 -296 -4	5	42	1160	87.0	16,054	24,675	846	15,124	22,342	766	13,960	19,629	673
ALCB-1 -298 -4	5	42	1160	87.0	18,569	23,304	799	17,323	21,029	721	15,748	18,346	629
ALCB-1 -2910-4	5	42	1160	87.0	20,097	22,079	757	18,574	19,863	681	16,655	17,238	591
ALCB-1 -296 -3	7.5	42	1750	95.0	16,384	30,596	1049	15,867	28,817	968	15,268	26,863	921
ALCB-1 -296 -3	7.5	42	1750	95.0	19,650	29,138	999	18,939	27,388	939	18,156	25,550	876
ALCB-1 -2910-3	7.5	42	1750	95.0	22,014	27,825	954	21,142	26,163	897	20,170	24,383	836
ALCB-1 -296 -4	7.5	42	1750	95.0	18,049	30,217	1036	17,440	28,438	975	16,749	26,513	909
ALCB-1 -298 -4	7.5	42	1750	95.0	21,252	28,700	984	20,422	26,950	924	19,526	25,142	862
ALCB-1 -2910-4	7.5	42	1750	95.0	23,391	27,329	937	22,393	25,667	880	21,300	23,917	820
ALCB-1 -296 -3	10	42	1750	96.0				16,811	31,413	1077	16,125	29,692	1018
ALCB-1 -298 -3	10	42	1750	96.0				19,960	29,925	1026	19,207	28,233	968
ALCB-1 -2910-3	10	42	1750	96.0				22,415	28,613	981	21,559	26,950	924
ALCB-1 -296 -4	10	42	1750	96.0				18,319	31,033	1064	17,743	29,313	1005
ALCB-1 -298 -4	10	42	1750	96.0				21,614	29,488	1011	20,828	27,796	953
ALCB-1 -2910-4	10	42	1750	96.0				23,834	28,088	963	22,871	26,454	907
ALCB-1 -326 -3	2	42	1160	83.0	13,566	20,405	636						
ALCB-1 -328 -3	2	42	1160	83.0	15,739	19,443	606						
ALCB-1 -3210-3	2	42	1160	83.0	17,063	18,544	578						
ALCB-1 -326 -4	2	42	1160	83.0	14,696	20,148	628						
ALCB-1 -328 -4	2	42	1160	83.0	16,687	19,122	596						
ALCB-1 -3210-4	2	42	1160	83.0	17,757	18,223	568						
ALCB-1 -326 -3	3	42	1160	85.0	14,178	21,977	685	13,176	19,443	606			
ALCB-1 -328 -3	3	42	1160	85.0	16,582	21,015	655	15,221	18,512	577			
ALCB-1 -3210-3	3	42	1160	85.0	18,120	20,116	627	16,461	17,678	551			
ALCB-1 -326 -4	3	42	1160	85.0	15,414	21,720	677	14,239	19,186	598			
ALCB-1 -328 -4	3	42	1160	85.0	17,634	20,694	645	16,096	18,223	568			
ALCB-1 -3210-4	3	42	1160	85.0	18,922	19,763	616	17,057	17,325	540			
ALCB-1 -326 -3	5	42	1160	87.0	15,513	25,667	800	14,669	23,293	726	13,617	20,533	640
ALCB-1 -328 -3	5	42	1160	87.0	18,314	24,480	763	17,161	22,138	690	15,722	19,410	605
ALCB-1 -3210-3	5	42	1160	87.0	20,187	23,389	729	18,767	21,111	658	16,974	18,416	574
ALCB-1 -326 -4	5	42	1160	87.0	16,950	25,346	790	15,962	22,972	716	14,741	20,245	631
ALCB-1 -328 -4	5	42	1160	87.0	19,593	24,095	751	18,281	21,785	679	16,647	19,090	595
ALCB-1 -3210-4	5	42	1160	87.0	21,215	22,972	716	19,605	20,694	645	17,608	18,031	562
ALCB-1 -326 -3	7.5	42	1750	95.0	17337	31,313	976	16873	29,517	920	16141	27,528	858
ALCB-1 -328 -3	7.5	42	1750	95.0	20,777	29,998	935	20,025	28,233	880	19,182	26,340	821
ALCB-1 -3210-3	7.5	42	1750	95.0	23,271	28,811	898	22,327	27,078	844	21,290	25,250	787
ALCB-1 -326 -4	7.5	42	1750	95.0	19,081	30,993	966	18,422	29,164	909	17,684	27,207	848
ALCB-1 -328 -4	7.5	42	1750	95.0	22,446	29,613	923	21,573	27,848	868	20,596	25,955	809
ALCB-1 -3210-4	7.5	42	1750	95.0	24,708	28,362	884	23,630	26,629	830	22,469	24,833	774
ALCB-1 -326 -3	10	42	1750	96.0	18057	33,784	1053	17586	32,148	1002	17053	30,383	947
ALCB-1 -328 -3	10	42	1750	96.0	21,766	32,436	1011	21,122	30,832	961	20,398	29,100	907
ALCB-1 -3210-3	10	42	1750	96.0	24,507	31,185	972	23,696	29,613	923	22,804	27,945	871
ALCB-1 -326 -4	10	42	1750	96.0	19,916	33,431	1042	19,361	31,795	991	18,749	30,062	937
ALCB-1 -328 -4	10	42	1750	96.0	23,567	31,987	997	22,816	30,383	947	21,990	28,683	894
ALCB-1 -3210-4	10	42	1750	96.0	26,103	30,704	957	25,174	29,132	908	24,134	27,431	855
ALCB-1 -326 -3	15	42	1750	99.0							18731	36,286	1131
ALCB-1 -328 -3	15	42	1750	99.0							22,623	34,682	1091
ALCB-1 -3210-3	15	42	1750	99.0							25,511	33,206	1035
ALCB-1 -326 -4	15	42	1750	99.0							20,701	35,869	1118
ALCB-1 -328 -4	15	42	1750	99.0							24,546	34,169	1065
ALCB-1 -3210-4	15	42	1160	99.0							27,201	32,629	1017
ALCB-1 -356 -3	3	42	1160	85.0	14,850	22,400	640	13,793	19,845	567			
ALCB-1 -358 -3	3	42	1160	85.0	17,336	21,525	615	15,915	19,005	543			
ALCB-1 -3510-3	3	42	1160	85.0	18,941	20,720	592	17,175	18,200	520			

\* BTUH/TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN/HP to load estimate. For chiller systems, consult factory for rating information.  
 \*\* Sound levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.



# ALC Series - 1 Fan

Unit Model Numbers	MTR HP	Capacity* & Air Data											
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-1 -356 -4	3	42	1160	85.0	16,125	22,190	634	14,890	19,635	561			
ALCB-1 -358 -4	3	42	1160	85.0	18,416	21,245	607	16,796	18,725	535			
ALCB-1 -3510-4	3	42	1160	85.0	19,765	20,405	583	17,819	17,920	512			
ALCB-1 -356 -3	5	42	1160	87.0	16,303	26,250	750	15,396	23,800	680	14,282	21,000	600
ALCB-1 -358 -3	5	42	1160	87.0	19,225	25,165	719	18,010	22,785	651	16,500	20,020	572
ALCB-1 -3510-3	5	42	1160	87.0	21,175	24,150	690	19,667	21,805	623	17,801	19,075	545
ALCB-1 -356 -4	5	42	1160	87.0	17,795	25,970	742	16,748	23,555	673	15,443	20,755	593
ALCB-1 -358 -4	5	42	1160	87.0	20,543	24,815	709	19,124	22,400	640	17,416	10,670	562
ALCB-1 -3510-4	5	42	1160	87.0	22,232	23,765	679	20,529	21,420	612	18,461	18,725	535
ALCB-1 -356 -3	7.5	42	1750	95.0	18,210	31,885	911	17,610	30,030	858	16,949	28,070	802
ALCB-1 -358 -3	7.5	42	1750	95.0	21,802	30,695	877	20,992	28,875	825	20,098	26,950	770
ALCB-1 -3510-3	7.5	42	1750	95.0	24,380	29,575	845	23,390	27,825	795	22,300	25,970	742
ALCB-1 -356 -4	7.5	42	1750	95.0	20,008	31,570	902	19,308	29,715	849	18,536	27,755	793
ALCB-1 -358 -4	7.5	42	1750	95.0	23,502	30,310	866	22,582	28,525	815	21,550	26,600	760
ALCB-1 -3510-4	7.5	42	1750	95.0	25,849	29,155	833	24,722	27,405	783	23,483	25,550	730
ALCB-1 -356 -3	10	42	1750	96.0	18,978	34,370	982	18,464	32,690	934	17,896	30,905	883
ALCB-1 -358 -3	10	42	1750	96.0	22,828	33,110	946	22,150	31,500	900	21,385	29,750	850
ALCB-1 -3510-3	10	42	1750	96.0	25,687	31,990	914	24,823	30,380	868	23,890	28,700	820
ALCB-1 -356 -4	10	42	1750	96.0	20,892	34,020	972	20,304	32,375	925	19,655	30,625	875
ALCB-1 -358 -4	10	42	1750	96.0	24,692	32,725	935	23,905	31,115	889	23,037	29,400	840
ALCB-1 -3510-4	10	42	1750	96.0	27,319	31,535	901	26,354	29,960	856	25,268	28,245	807
ALCB-1 -356 -3	15	42	1750	99.0	20,586	40,180	1148	20,189	38,640	1104	19,740	36,995	1057
ALCB-1 -358 -3	15	42	1750	99.0	24,990	38,675	1105	24,434	37,170	1062	23,815	35,560	1016
ALCB-1 -3510-3	15	42	1750	99.0	28,356	37,310	1066	27,628	35,805	1023	26,845	34,230	978
ALCB-1 -356 -4	15	42	1750	99.0	22,790	39,795	1137	22,310	38,255	1093	21,775	36,610	1046
ALCB-1 -358 -4	15	42	1750	99.0	27,174	38,185	1091	26,518	36,680	1048	25,809	35,105	1003
ALCB-1 -3510-4	15	42	1750	99.0	30,318	36,750	1050	29,501	35,280	1008	28,561	33,635	961
ALCB-1 -386 -3	3	42	1160	85.0	15,472	22,750	600						
ALCB-1 -388 -3	3	42	1160	85.0	18,025	21,954	579						
ALCB-1 -3810-3	3	42	1160	85.0	19,657	21,195	559						
ALCB-1 -386 -4	3	42	1160	85.0	16,767	22,560	595						
ALCB-1 -388 -4	3	42	1160	85.0	19,112	21,688	572						
ALCB-1 -3810-4	3	42	1160	85.0	20,476	20,892	551						
ALCB-1 -386 -3	5	42	1160	87.0	17,023	26,693	704	16,058	24,191	638	14,894	21,385	564
ALCB-1 -388 -3	5	42	1160	87.0	20,024	25,670	677	18,739	23,243	613	17,174	20,475	540
ALCB-1 -3810-3	5	42	1160	87.0	22,049	24,760	653	20,467	22,371	590	18,552	19,641	518
ALCB-1 -386 -4	5	42	1160	87.0	18,546	26,426	697	17,433	23,963	632	16,074	21,158	558
ALCB-1 -388 -4	5	42	1160	87.0	21,375	25,366	669	19,904	22,940	605	18,120	20,172	532
ALCB-1 -3810-4	5	42	1160	87.0	23,078	24,343	642	21,354	22,030	581	19,212	19,3000	509
ALCB-1 -386 -3	7.5	42	1750	95.0	19,015	32,343	853	18,388	30,485	804	17,682	28,475	751
ALCB-1 -388 -3	7.5	42	1750	95.0	22,741	31,281	825	21,899	29,461	777	20,948	27,490	725
ALCB-1 -3810-3	7.5	42	1750	95.0	25,405	30,258	798	24,363	28,475	751	23,211	26,580	701
ALCB-1 -386 -4	7.5	42	1750	95.0	20,873	32,078	846	20,142	30,220	797	19,333	28,248	745
ALCB-1 -388 -4	7.5	42	1750	95.0	24,484	30,940	816	23,512	29,120	768	22,438	27,186	717
ALCB-1 -3810-4	7.5	42	1750	95.0	26,906	29,878	788	25,723	28,096	741	24,418	25,200	691
ALCB-1 -386 -3	10	42	1750	96.0	19,812	34,808	918	19,289	33,177	875	18,698	31,395	828
ALCB-1 -388 -3	10	42	1750	96.0	23,833	33,746	880	23,100	32,078	846	22,306	31,333	800
ALCB-1 -3810-3	10	42	1750	96.0	26,767	32,684	862	25,881	31,092	820	24,877	29,348	774
ALCB-1 -386 -4	10	42	1750	96.0	21,802	34,542	911	21,178	32,874	867	20,603	31,130	821
ALCB-1 -388 -4	10	42	1750	96.0	25,727	33,367	880	24,898	31,736	837	23,982	29,992	791
ALCB-1 -3810-4	10	42	1750	96.0	28,455	32,305	852	27,422	30,675	809	26,307	28,968	764
ALCB-1 -386 -3	15	42	1750	99.0	21,595	40,836	1077	21,148	39,244	1035	20,673	37,613	992
ALCB-1 -388 -3	15	42	1750	99.0	26,153	39,433	1040	25,561	37,917	1000	24,887	36,248	956
ALCB-1 -3810-3	15	42	1750	99.0	29,632	38,182	1007	28,851	36,628	966	28,027	35,035	924
ALCB-1 -386 -4	15	42	1750	99.0	23,852	40,457	1067	23,337	38,903	1026	22,778	37,272	983
ALCB-1 -388 -4	15	42	1750	99.0	28,406	39,016	1029	27,698	37,462	988	26,932	35,831	945
ALCB-1 -3810-4	15	42	1750	99.0	31,659	37,689	994	30,764	36,135	935	29,823	34,542	911

\* Capacity in BTUH/°TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series

## Product Cooler Capacity Data

### 2 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-2-216 -3	0.75	30	1160	80.0	8,791	13,393	656	7,564	10,494	514			
ALCB-2-218 -3	0.75	30	1160	80.0	10,023	12,393	607	8,479	9,759	478			
ALCB-2-2110-3	0.75	30	1160	80.0	10,698	11,576	567	8,920	9,147	448			
ALCB-2-216 -4	0.75	30	1160	80.0	9,482	13,108	642	8,092	10,310	505			
ALCB-2-218 -4	0.75	30	1160	80.0	10,564	12,107	593	8,859	9,555	468			
ALCB-2-2110-4	0.75	30	1160	80.0	11,057	11,290	553	9,124	8,922	437			
ALCB-2-216 -3	1	30	1160	81.0	10,174	17,232	844	9,280	14,680	719			
ALCB-2-218 -3	1	30	1160	81.0	11,825	15,945	781	10,559	13,393	656			
ALCB-2-2110-3	1	30	1160	81.0	12,817	14,843	727	11,159	12,250	600			
ALCB-2-216 -4	1	30	1160	81.0	11,084	16,885	827	10,031	14,333	702			
ALCB-2-218 -4	1	30	1160	81.0	12,588	15,558	762	11,106	12,985	636			
ALCB-2-2110-4	1	30	1160	81.0	13,340	14,394	705	11,482	11,842	580			
ALCB-2-216 -3	1.5	30	1160	82.0	10,639	18,661	914	9,641	15,680	768	8,271	12,107	593
ALCB-2-218 -3	1.5	30	1160	82.0	12,296	16,966	831	10,969	14,190	695	9,211	10,964	537
ALCB-2-2110-3	1.5	30	1160	82.0	13,269	15,598	764	11,647	12,985	636	9,645	10,106	495
ALCB-2-216 -4	1.5	30	1160	82.0	11,584	18,191	891	10,431	15,272	748	8,848	11,780	577
ALCB-2-218 -4	1.5	30	1160	82.0	13,081	16,476	807	11,569	13,761	674	9,620	10,658	522
ALCB-2-2110-4	1.5	30	1160	82.0	13,816	15,088	739	12,036	12,577	616	9,861	9,800	480
ALCB-2-216 -3	2	30	1160	83.0	10,919	19,559	958	9,946	16,558	811	8,727	13,230	648
ALCB-2-218 -3	2	30	1160	83.0	12,615	17,681	866	11,365	14,986	734	9,843	12,066	591
ALCB-2-2110-3	2	30	1160	83.0	13,638	16,231	795	12,159	13,781	675	10,441	11,209	549
ALCB-2-216 -4	2	30	1160	83.0	11,892	19,028	932	10,775	16,109	789	9,387	12,903	632
ALCB-2-218 -4	2	30	1160	83.0	13,433	17,150	840	12,018	14,537	712	10,343	11,760	576
ALCB-2-2110-4	2	30	1160	83.0	14,226	15,700	769	12,604	13,353	654	10,736	10,882	533
ALCB-2-216 -3	3	30	1750	87.0	12,220	24,316	1191	11,789	22,581	1106	11,257	20,682	1013
ALCB-2-218 -3	3	30	1750	87.0	14,598	22,622	1108	13,978	20,968	1027	13,264	19,192	940
ALCB-2-2110-3	3	30	1750	87.0	16,264	21,193	1038	15,481	19,620	961	14,589	17,926	878
ALCB-2-216 -4	3	30	1750	87.0	13,489	23,867	1169	12,961	22,152	1085	12,335	20,274	993
ALCB-2-218 -4	3	30	1750	87.0	15,779	22,111	1083	15,063	20,498	1004	14,234	18,743	918
ALCB-2-2110-4	3	30	1750	87.0	17,253	20,662	1012	16,360	19,110	936	15,345	17,436	854
ALCB-2-216 -3	5	30	1750	89.0	13,039	29,155	1428	12,816	27,338	1339	12,443	25,317	1240
ALCB-2-218 -3	5	30	1750	89.0	15,926	26,725	1309	15,399	24,970	1223	14,745	23,030	1128
ALCB-2-2110-3	5	30	1750	89.0	17,875	24,704	1210	17,130	23,030	1128	16,274	21,213	1039
ALCB-2-216 -4	5	30	1750	89.0	14,657	28,502	1396	14,252	26,685	1307	13,725	24,684	1209
ALCB-2-218 -4	5	30	1750	89.0	17,337	26,011	1274	16,667	24,255	1188	15,885	22,356	1095
ALCB-2-2110-4	5	30	1750	89.0	19,015	23,949	1173	18,148	22,295	1092	17,184	20,539	1006
ALCB-2-236 -3	0.75	30	1160	80.0	9,363	13,902	615	8,035	10,895	482			
ALCB-2-238 -3	0.75	30	1160	80.0	10,669	12,952	573	8,999	10,194	451			
ALCB-2-2310-3	0.75	30	1160	80.0	11,400	12,184	539	9,452	9,584	424			
ALCB-2-236 -4	0.75	30	1160	80.0	10,094	13,653	604	8,564	10,692	473			
ALCB-2-238 -4	0.75	30	1160	80.0	11,233	12,681	561	9,370	9,968	441			
ALCB-2-2310-4	0.75	30	1160	80.0	11,761	11,890	526	9,673	9,381	415			
ALCB-2-236 -3	1	30	1160	81.0	10,782	17,925	793	9,934	15,348	679			
ALCB-2-238 -3	1	30	1160	81.0	12,649	16,727	740	11,331	14,150	626			
ALCB-2-2310-3	1	30	1160	81.0	13,732	15,687	694	12,032	13,088	579			
ALCB-2-236 -4	1	30	1160	81.0	11,838	17,609	779	10,735	15,032	665			
ALCB-2-238 -4	1	30	1160	81.0	13,459	16,365	724	11,936	13,789	610			
ALCB-2-2310-4	1	30	1160	81.0	14,310	15,280	676	12,382	12,681	561			

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 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.



















# ALC Series - 2 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data									
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP			
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	
ALCB-2-636 -3	2	42	1160	86.0	26,897	40,634	643							
ALCB-2-638 -3	2	42	1160	86.0	31,210	38,675	612							
ALCB-2-6310-3	2	42	1160	86.0	33,868	36,906	584							
ALCB-2-636 -4	2	42	1160	86.0	29,154	40,128	635							
ALCB-2-638 -4	2	42	1160	86.0	33,068	38,043	602							
ALCB-2-6310-4	2	42	1160	86.0	35,219	36,210	573							
ALCB-2-636 -3	3	42	1160	88.0	28,118	43,794	693	26,134	38,738	613				
ALCB-2-638 -3	3	42	1160	88.0	32,893	41,835	662	30,195	36,842	583				
ALCB-2-6310-3	3	42	1160	88.0	35,982	40,065	634	32,645	35,136	556				
ALCB-2-636 -4	3	42	1160	88.0	30,586	43,288	685	28,260	38,233	605				
ALCB-2-638 -4	3	42	1160	88.0	34,999	41,203	652	31,908	36,210	573				
ALCB-2-6310-4	3	42	1160	88.0	37,551	39,307	622	33,846	34,441	545				
ALCB-2-636 -3	5	42	1160	90.0	30,773	51,188	810	29,078	46,385	734	26,997	40,887	647	
ALCB-2-638 -3	5	42	1160	90.0	36,314	48,723	771	34,027	44,047	697	31,175	38,812	611	
ALCB-2-6310-3	5	42	1160	90.0	40,030	46,511	736	37,208	41,961	664	33,652	36,590	579	
ALCB-2-636 -4	5	42	1160	90.0	33,616	50,492	799	31,657	45,753	724	29,242	40,318	638	
ALCB-2-638 -4	5	42	1160	90.0	38,670	47,965	759	36,266	43,351	686	32,989	37,917	600	
ALCB-2-6310-4	5	42	1160	90.0	42,048	45,626	722	38,890	41,140	651	34,928	35,831	567	
ALCB-2-636 -3	7.5	42	1750	98.0	34,376	62,436	988	33,256	58,771	930	32,021	54,916	869	
ALCB-2-638 -3	7.5	42	1750	98.0	41,214	59,782	946	39,717	56,243	890	38,012	52,388	829	
ALCB-2-6310-3	7.5	42	1750	98.0	46,174	57,381	908	44,259	53,842	852	42,227	50,240	795	
ALCB-2-636 -4	7.5	42	1750	98.0	37,828	61,741	977	36,541	58,139	920	35,076	54,221	858	
ALCB-2-638 -4	7.5	42	1750	98.0	44,487	58,897	932	42,779	55,422	877	40,835	51,630	817	
ALCB-2-6310-4	7.5	42	1750	98.0	49,013	56,433	893	46,864	52,957	838	44,548	49,355	781	
ALCB-2-636 -3	10	42	1750	99.0	35,779	67,302	1065	34,861	64,079	1014	33,803	60,540	958	
ALCB-2-638 -3	10	42	1750	99.0	43,144	64,585	1022	41,862	61,362	971	40,447	57,949	917	
ALCB-2-6310-3	10	42	1750	99.0	48,592	62,057	982	46,972	58,897	932	45,192	55,548	879	
ALCB-2-636 -4	10	42	1750	99.0	39,481	66,607	1054	38,398	63,384	1003	37,158	59,845	947	
ALCB-2-638 -4	10	42	1750	99.0	46,739	63,700	1008	45,272	60,540	958	43,626	57,128	904	
ALCB-2-6310-4	10	42	1750	99.0	51,745	61,046	966	49,926	57,949	917	47,890	54,600	864	
ALCB-2-636 -3	15	42	1750	102.0	38,554	78,551	1243	37,884	75,517	1195	37,104	72,294	1144	
ALCB-2-638 -3	15	42	1750	102.0	46,985	75,201	1190	45,973	72,231	1143	44,818	69,008	1092	
ALCB-2-6310-3	15	42	1750	102.0	53,396	72,105	1141	52,058	69,198	1095	50,557	66,038	1045	
ALCB-2-636 -4	15	42	1750	102.0	42,835	77,666	1229	41,976	74,633	1181	41,010	71,410	1130	
ALCB-2-638 -4	15	42	1750	102.0	51,212	74,127	1173	49,995	71,157	1126	48,651	67,997	1076	
ALCB-2-6310-4	15	42	1750	102.0	57,182	70,904	1122	55,630	67,997	1076	53,932	64,901	1027	

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 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series

## Product Cooler Capacity Data

### 3 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data									
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP			
					BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH °TD	Air Flow (CFM)	Face Velocity (FPM)	
ALCB-3-436 -3	1	30	1160	82.8	17,655	26,348	623							
ALCB-3-438 -3	1	30	1160	82.8	20,316	24,868	588							
ALCB-3-4310-3	1	30	1160	82.8	24,126	26,898	636							
ALCB-3-436 -4	1	30	1160	82.8	19,086	25,967	614							
ALCB-3-438 -4	1	30	1160	82.8	22,953	26,813	634							
ALCB-3-4310-4	1	30	1160	82.8	25,056	26,221	620							
ALCB-3-436 -3	1.5	30	1160	83.8	19,881	32,226	762	18,045	27,320	646				
ALCB-3-438 -3	1.5	30	1160	83.8	23,082	30,112	712	20,577	25,333	599				
ALCB-3-4310-3	1.5	30	1160	83.8	25,026	28,293	669	21,924	23,641	559				
ALCB-3-436 -4	1.5	30	1160	83.8	21,624	31,676	749	19,464	26,771	633				
ALCB-3-438 -4	1.5	30	1160	83.8	24,531	29,477	697	21,666	24,741	585				
ALCB-3-4310-4	1.5	30	1160	83.8	26,046	27,574	652	22,605	23,007	544				
ALCB-3-436 -3	2	30	1160	84.8	20,544	34,129	807	18,732	29,097	688	16,203	22,922	542	
ALCB-3-438 -3	2	30	1160	84.8	23,871	31,719	750	21,381	26,813	634	18,192	21,230	502	
ALCB-3-4310-3	2	30	1160	84.8	25,875	29,646	701	22,857	24,994	591	19,188	19,877	470	
ALCB-3-436 -4	2	30	1160	84.8	22,371	33,495	792	20,235	28,462	673	17,343	22,457	531	
ALCB-3-438 -4	2	30	1160	84.8	25,395	31,000	733	22,566	26,179	619	19,032	20,765	491	
ALCB-3-4310-4	2	30	1160	84.8	26,982	28,885	683	23,622	24,318	575	19,686	19,412	459	
ALCB-3-436 -3	3	30	1750	88.8	22,635	40,558	959	21,732	37,682	891	20,712	34,595	818	
ALCB-3-438 -3	3	30	1750	88.8	26,982	38,570	912	25,782	35,821	847	24,426	32,861	777	
ALCB-3-4310-3	3	30	1750	88.8	30,063	36,836	871	28,578	34,172	808	26,868	31,254	739	
ALCB-3-436 -4	3	30	1750	88.8	24,852	40,008	946	23,829	37,217	880	22,635	34,129	807	
ALCB-3-438 -4	3	30	1750	88.8	29,073	37,978	898	27,684	35,229	833	26,109	32,269	763	
ALCB-3-4310-4	3	30	1750	88.8	31,818	36,159	855	30,120	33,495	792	28,230	30,661	725	
ALCB-3-436 -3	5	30	1750	90.8	25,155	49,693	1175	24,438	46,859	1108	23,565	43,687	1033	
ALCB-3-438 -3	5	30	1750	90.8	30,258	46,901	1109	29,202	44,068	1042	27,948	40,896	967	
ALCB-3-4310-3	5	30	1750	90.8	33,939	44,406	1050	32,565	41,615	984	30,948	38,485	910	
ALCB-3-436 -4	5	30	1750	90.8	27,804	48,974	1158	26,916	46,098	1090	25,887	42,968	1016	
ALCB-3-438 -4	5	30	1750	90.8	32,799	46,056	1089	31,551	43,222	1022	30,078	40,050	947	
ALCB-3-4310-4	5	30	1750	90.8	36,096	43,434	1027	34,509	40,642	961	32,676	37,555	888	
ALCB-3-516 -3	1	36	1160	85.8	21,528	32,199	627							
ALCB-3-518 -3	1	36	1160	85.8	25,023	30,813	600							
ALCB-3-5110-3	1	36	1160	85.8	27,240	29,580	576							
ALCB-3-516 -4	1	36	1160	85.8	23,331	31,840	620							
ALCB-3-518 -4	1	36	1160	85.8	26,550	30,402	592							
ALCB-3-5110-4	1	36	1160	85.8	28,344	29,066	566							
ALCB-3-516 -3	1.5	36	1160	86.8	22,398	34,407	670	19,728	27,937	544				
ALCB-3-518 -3	1.5	36	1160	86.8	28,191	36,872	718	25,530	31,737	618				
ALCB-3-5110-3	1.5	36	1160	86.8	30,693	34,818	678	27,381	29,785	580				
ALCB-3-516 -4	1.5	36	1160	86.8	24,234	33,791	658	21,147	27,423	534				
ALCB-3-518 -4	1.5	36	1160	86.8	32,199	36,153	704	26,967	31,069	605				
ALCB-3-5110-4	1.5	36	1160	86.8	32,010	33,996	662	28,344	29,066	566				
ALCB-3-516 -3	2	36	1160	87.8	25,734	43,754	852	23,946	38,567	751	21,753	32,764	638	
ALCB-3-518 -3	2	36	1160	87.8	30,135	40,929	797	27,780	36,051	702	24,882	30,556	595	
ALCB-3-5110-3	2	36	1160	87.8	32,991	38,567	751	30,105	33,894	660	26,598	28,656	558	
ALCB-3-516 -4	2	36	1160	87.8	28,086	42,983	837	26,028	37,899	738	23,475	32,148	626	
ALCB-3-518 -4	2	36	1160	87.8	32,199	40,108	781	29,499	35,280	687	26,223	29,888	582	
ALCB-3-5110-4	2	36	1160	87.8	34,554	37,643	733	31,341	33,072	644	27,504	27,988	545	

\* Capacity in BTUH/°TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.















# ALC Series - 3 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** Level (DBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-3-916 -3	10	42	1750	99.0	52,425	100,078	1098	51,093	95,247	1045	49,554	89,961	987
ALCB-3-918 -3	10	42	1750	99.0	63,245	95,794	1051	61,367	90,964	998	59,292	85,859	942
ALCB-3-9110-3	10	42	1750	99.0	71,268	91,875	1008	68,880	87,135	956	66,306	82,214	902
ALCB-3-916 -4	10	42	1750	99.0	57,891	98,984	1086	56,277	94,063	1032	54,497	88,867	975
ALCB-3-918 -4	10	42	1750	99.0	68,564	94,427	1036	66,405	89,688	984	63,989	84,583	928
ALCB-3-9110-4	10	42	1750	99.0	75,939	90,326	991	73,251	85,677	940	70,306	80,755	886
ALCB-3-916 -3	15	42	1750	102.0				55,374	112,201	1231	54,276	107,370	1178
ALCB-3-918 -3	15	42	1750	102.0				67,278	107,005	1174	65,631	102,266	1122
ALCB-3-9110-3	15	42	1750	102.0				76,224	102,266	1122	74,054	97,617	1071
ALCB-3-916 -4	15	42	1750	102.0				61,454	110,833	1216	60,060	106,003	1163
ALCB-3-918 -4	15	42	1750	102.0				73,236	105,365	1156	71,265	100,825	1104
ALCB-3-9110-4	15	42	1750	102.0				81,459	100,352	1101	78,995	95,794	1051
ALCB-3-956 -3	2	42	1160	87.8	40,346	60,951	643						
ALCB-3-958 -3	2	42	1160	87.8	46,815	58,013	612						
ALCB-3-9510-3	2	42	1160	87.8	50,802	55,358	584						
ALCB-3-956 -4	2	42	1160	87.8	43,731	60,193	635						
ALCB-3-958 -4	2	42	1160	87.8	49,602	57,065	602						
ALCB-3-9510-4	2	42	1160	87.8	52,829	54,316	573						
ALCB-3-956 -3	3	42	1160	89.8	42,177	65,691	693	39,201	58,107	613			
ALCB-3-958 -3	3	42	1160	89.8	49,340	62,752	662	45,293	55,264	583			
ALCB-3-9510-3	3	42	1160	89.8	53,973	60,098	634	48,968	52,704	556			
ALCB-3-956 -4	3	42	1160	89.8	45,879	64,932	685	42,390	57,349	605			
ALCB-3-958 -4	3	42	1160	89.8	52,499	61,804	652	47,862	54,316	573			
ALCB-3-9510-4	3	42	1160	89.8	56,327	58,960	622	50,769	51,861	545			
ALCB-3-956 -3	5	42	1160	91.8	46,160	76,781	810	43,617	69,577	734	40,496	61,330	647
ALCB-3-958 -3	5	42	1160	91.8	54,471	73,084	771	51,041	66,070	697	46,763	57,918	611
ALCB-3-9510-3	5	42	1160	91.8	60,045	69,767	736	55,812	62,942	664	50,478	54,884	579
ALCB-3-956 -4	5	42	1160	91.8	50,424	75,739	799	47,486	68,629	724	43,863	60,477	638
ALCB-3-958 -4	5	42	1160	91.8	58,305	71,947	759	54,399	65,027	686	49,484	56,875	600
ALCB-3-9510-4	5	42	1160	91.8	63,072	68,440	722	58,335	61,709	651	52,392	53,747	567
ALCB-3-956 -3	7.5	42	1750	99.8	51,564	93,654	988	49,884	88,156	930	48,032	82,374	869
ALCB-3-958 -3	7.5	42	1750	99.8	61,821	89,673	946	59,576	84,365	890	57,018	78,582	829
ALCB-3-9510-3	7.5	42	1750	99.8	69,261	86,071	908	66,389	80,763	852	63,341	75,359	795
ALCB-3-956 -4	7.5	42	1750	99.8	56,742	92,611	977	54,812	87,208	920	52,614	81,331	858
ALCB-3-958 -4	7.5	42	1750	99.8	66,731	88,346	932	64,169	83,132	877	61,253	77,445	817
ALCB-3-9510-4	7.5	42	1750	99.8	73,520	84,649	893	70,296	79,435	838	66,822	74,032	781
ALCB-3-956 -3	10	42	1750	100.8	53,669	100,953	1065	52,292	96,119	1014	50,705	90,810	958
ALCB-3-958 -3	10	42	1750	100.8	64,716	96,877	1022	62,793	92,043	971	60,671	86,924	917
ALCB-3-9510-3	10	42	1750	100.8	72,888	93,085	982	70,458	88,346	932	67,788	83,322	879
ALCB-3-956 -4	10	42	1750	100.8	59,222	99,910	1054	57,597	95,076	1003	55,737	89,768	947
ALCB-3-958 -4	10	42	1750	100.8	70,109	95,550	1008	67,908	90,810	958	65,439	85,692	904
ALCB-3-9510-4	10	42	1750	100.8	77,618	91,569	966	74,889	86,924	917	71,835	81,900	864
ALCB-3-956 -3	15	42	1750	103.8	57,831	117,826	1243	56,826	113,276	1195	55,656	108,442	1144
ALCB-3-958 -3	15	42	1750	103.8	70,478	112,802	1190	68,960	108,347	1143	67,227	103,513	1092
ALCB-3-9510-3	15	42	1750	103.8	80,094	108,157	1141	78,087	103,797	1095	75,836	99,057	1045
ALCB-3-956 -4	15	42	1750	103.8	64,253	116,499	1229	62,964	111,949	1181	61,515	107,115	1130
ALCB-3-958 -4	15	42	1750	103.8	76,818	111,191	1173	74,993	106,735	1126	72,977	101,996	1076
ALCB-3-9510-4	15	42	1750	103.8	85,773	106,356	1122	83,445	101,996	1076	80,898	97,351	1027

\* Capacity in BTUH/TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For bi-line systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# ALC Series

## Product Cooler Capacity Data

### 4 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data									
		Fan Dia (in)	RPM	Sound** Level (dBA)	0" ESP			1/4" ESP			1/2" ESP			
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	
ALCB-4-686 -3	1	36	1160	87.0	28,704	42,932	627							
ALCB-4-688 -3	1	36	1160	87.0	33,364	41,083	600							
ALCB-4-6810-3	1	36	1160	87.0	36,320	39,440	576							
ALCB-4-686 -4	1	36	1160	87.0	31,108	42,453	620							
ALCB-4-688 -4	1	36	1160	87.0	35,400	40,536	592							
ALCB-4-6810-4	1	36	1160	87.0	37,792	38,755	566							
ALCB-4-686 -3	1.5	36	1160	88.0	29,864	45,876	670	26,304	37,249	544				
ALCB-4-688 -3	1.5	36	1160	88.0	37,588	49,163	718	34,040	42,316	618				
ALCB-4-6810-3	1.5	36	1160	88.0	40,924	46,424	678	36,508	39,714	580				
ALCB-4-686 -4	1.5	36	1160	88.0	32,312	45,055	658	28,196	36,564	534				
ALCB-4-688 -4	1.5	36	1160	88.0	42,932	48,204	704	35,956	41,426	605				
ALCB-4-6810-4	1.5	36	1160	88.0	42,680	45,329	662	37,792	38,755	566				
ALCB-4-686 -3	2	36	1160	89.0	34,312	58,338	852	31,928	51,423	751	29,004	43,685	638	
ALCB-4-688 -3	2	36	1160	89.0	40,180	54,572	797	37,040	48,068	702	33,176	40,741	595	
ALCB-4-6810-3	2	36	1160	89.0	43,988	51,423	751	40,140	45,192	660	35,464	38,208	558	
ALCB-4-686 -4	2	36	1160	89.0	37,448	57,311	837	34,704	50,533	738	31,300	42,864	626	
ALCB-4-688 -4	2	36	1160	89.0	42,932	53,477	781	39,332	47,040	687	34,964	39,851	582	
ALCB-4-6810-4	2	36	1160	89.0	46,072	50,190	733	41,788	44,096	644	36,672	37,317	545	
ALCB-4-686 -3	3	36	1160	90.0	38,244	71,074	1038	36,416	64,912	948	34,036	57,517	840	
ALCB-4-688 -3	3	36	1160	90.0	45,300	66,350	969	42,736	60,256	880	39,508	53,134	776	
ALCB-4-6810-3	3	36	1160	90.0	50,064	62,241	909	46,768	56,216	821	42,792	49,437	722	
ALCB-4-686 -4	3	36	1160	90.0	42,000	69,842	1020	39,840	63,679	930	37,076	56,353	823	
ALCB-4-688 -4	3	36	1160	90.0	48,728	64,912	948	45,692	58,749	858	42,000	51,765	756	
ALCB-4-6810-4	3	36	1160	90.0	52,772	60,598	885	49,028	54,641	798	44,612	48,068	702	
ALCB-4-686 -3	5	36	1750	95.0	39,820	76,826	1122	38,752	72,854	1064	37,512	68,541	1001	
ALCB-4-688 -3	5	36	1750	95.0	47,980	73,197	1069	46,456	69,225	1011	44,716	64,912	948	
ALCB-4-6810-3	5	36	1750	95.0	53,984	69,910	1021	51,996	65,939	963	49,852	61,830	903	
ALCB-4-686 -4	5	36	1750	95.0	43,968	75,867	1108	42,688	71,896	1050	41,228	67,582	987	
ALCB-4-688 -4	5	36	1750	95.0	52,000	72,033	1052	50,240	68,130	995	48,208	63,816	932	
ALCB-4-6810-4	5	36	1750	95.0	57,480	68,609	1002	55,236	64,706	945	52,780	60,598	885	
ALCB-4-686 -3	7.5	36	1750	97.0							40,560	79,770	1165	
ALCB-4-688 -3	7.5	36	1750	97.0							48,616	74,909	1094	
ALCB-4-6810-3	7.5	36	1750	97.0							54,384	70,732	1033	
ALCB-4-686 -4	7.5	36	1750	97.0							44,772	78,469	1146	
ALCB-4-688 -4	7.5	36	1750	97.0							52,600	73,402	1072	
ALCB-4-6810-4	7.5	36	1750	97.0							57,752	69,088	1009	
ALCB-4-776 -3	1	36	1160	87.0	31,916	47,600	622							
ALCB-4-778 -3	1	36	1160	87.0	36,680	44,845	586							
ALCB-4-7710-3	1	36	1160	87.0	39,408	42,396	554							
ALCB-4-776 -4	1	36	1160	87.0	34,464	46,835	612							
ALCB-4-778 -4	1	36	1160	87.0	38,720	44,003	575							
ALCB-4-7710-4	1	36	1160	87.0	40,788	41,478	542							
ALCB-4-776 -3	1.5	36	1160	88.0	34,412	54,029	706	31,636	46,912	613				
ALCB-4-778 -3	1.5	36	1160	88.0	40,136	51,274	670	36,336	44,233	578				
ALCB-4-7710-3	1.5	36	1160	88.0	43,656	48,672	636	39,028	41,861	547				
ALCB-4-776 -4	1.5	36	1160	88.0	37,432	53,340	697	34,172	46,223	604				
ALCB-4-778 -4	1.5	36	1160	88.0	42,688	50,432	659	38,328	43,391	567				
ALCB-4-7710-4	1.5	36	1160	88.0	45,568	47,753	624	40,364	40,942	535				

\* Capacity in BTUH\*TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimate. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.











# ALC Series - 4 Fans

Unit Model Numbers	MTR HP	Fans			Capacity* & Air Data								
		Fan Dia (in)	RPM	Sound** Level (dBA)	0" ESP			1/4" ESP			1/2" ESP		
					BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)	BTUH TD	Air Flow (CFM)	Face Velocity (FPM)
ALCB-4-1216 -3	15	42	1750	105.0				73,541	149,350	1236	72,098	142,946	1183
ALCB-4-1218 -3	15	42	1750	105.0				89,355	142,342	1178	87,181	136,058	1126
ALCB-4-12110-3	15	42	1750	105.0				101,270	136,058	1126	98,403	129,896	1075
ALCB-4-1216 -4	15	42	1750	105.0				81,638	147,538	1221	79,801	141,133	1168
ALCB-4-1218 -4	15	42	1750	105.0				97,287	140,167	1160	94,682	133,883	1108
ALCB-4-12110-4	15	42	1750	105.0				108,250	133,521	1105	104,920	127,358	1054

\* Capacity in BTUH\*TD is based on sensible heat removal. Fan motor heat is not included in the rating. Add 4,000 BTUH/FAN HP to load estimates. For brine systems, consult factory for rating information.  
 \*\* Noise levels are based on fan manufacturer's data. Actual levels may vary due to installation environment.

# SPECIFICATIONS

## ALC SERIES PRODUCT COOLER

### 1 FAN

Model	Approx. Shipping Wt. (lbs)	Internal Coil Vol. (Cu.Ft.)	Surface (Ft <sup>2</sup> )		Water Defrost		Drain Conn MPT.
			3 FPI	4 FPI	60°F GPM	No Conns-Size IPS	
146	750	2.0	1032	1339	18	1 - 1	1 1/2
148	875	2.7	1376	1785	24	1 - 1	1 1/2
1410	1005	3.4	1723	2233	30	1 - 1 1/4	2
176	839	2.5	1253	* 1626	18	1 - 1	1 1/2
178	973	3.3	1671	2167	24	1 - 1	1 1/2
1710	1112	4.2	2092	2712	30	1 - 1 1/4	2
196	979	2.8	1400	1818	18	1 - 1	1 1/2
198	1118	3.7	1867	2422	24	1 - 1	1 1/2
1910	1264	4.7	2338	3031	30	1 - 1 1/4	2
226	1007	3.1	1601	2078	22	1 - 1	2
228	1173	4.2	2135	2769	29	1 - 1 1/4	2
2210	1344	5.2	2673	3465	37	1 - 1 1/4	2 1/2
246	1135	3.3	1690	2194	22	1 - 1	2
248	1303	4.4	2254	2923	29	1 - 1 1/4	2
2410	1479	5.5	2822	3658	37	1 - 1 1/4	2 1/2
286	1114	4.0	2046	2655	22	1 - 1	2
288	1297	5.3	2728	3539	29	1 - 1 1/4	2
2810	1488	6.7	3416	4428	37	1 - 1 1/4	2 1/2
296	1134	4.2	2135	2771	22	1 - 1	2
298	1320	5.6	2847	3692	29	1 - 1 1/4	2
2910	1514	7.0	3564	4620	37	1 - 1 1/4	2 1/2
326	1396	4.5	2348	3048	27	1 - 1	2
328	1611	6.0	3131	4062	35	1 - 1 1/4	2
3210	1835	7.6	3921	5082	44	1 - 1 1/4	2 1/2
356	1442	4.9	2562	3325	27	1 - 1	2
358	1666	6.6	3416	4431	35	1 - 1 1/4	2
3510	1898	8.3	4277	5544	44	1 - 1 1/4	2 1/2
386	1488	5.3	2775	3602	27	1 - 1	2
388	1720	7.1	3701	4800	35	1 - 1 1/4	2
3810	1962	8.9	4633	6006	44	1 - 1 1/4	2 1/2

# SPECIFICATIONS

## ALC SERIES PRODUCT COOLER

### 2 FANS

Model	Approx. Shipping Wt. (lbs)	Internal Coil Vol. (Cu.Ft.)	Surface (Ft <sup>2</sup> )		Water Defrost		Drain Conn MPT.
			3 FPI	4 FPI	60°F GPM	No. Combs-Size IPS	
216	1153	2.9	1494	1940	27	2 - 1	2
218	1334	3.8	1993	2585	35	2 - 1	2
2110	1522	4.8	2495	3234	44	2 - 1	2 1/2
236	1260	3.2	1655	2147	29	2 - 1	2
238	1460	4.2	2206	2862	39	2 - 1	2
2310	1669	5.3	2762	3581	49	2 - 1	2 1/2
276	1338	3.8	2009	2608	29	2 - 1	2
278	1553	5.1	2679	3475	39	2 - 1	2
2710	1776	6.4	3354	4348	49	2 - 1	2 1/2
306	1535	3.9	2064	2678	37	2 - 1	2
308	1785	5.2	2752	3569	49	2 - 1	2 1/2
3010	2045	6.5	3445	4466	61	2 - 1 1/4	2 1/2
346	1714	4.7	2506	3252	37	2 - 1	2
348	1982	6.3	3341	4334	49	2 - 1	2 1/2
3410	2260	7.9	4184	5423	61	2 - 1 1/4	2 1/2
366	1821	4.7	2491	3233	44	2 - 1	2
368	2123	6.2	3321	4308	59	2 - 1 1/4	2 1/2
3610	2436	7.8	4158	5390	73	2 - 1 1/4	2 1/2
396	1996	5.3	2801	3635	37	2 - 1	2
398	2275	7.1	3735	4844	49	2 - 1	2 1/2
3910	2566	8.9	4676	6061	61	2 - 1 1/4	2 1/2
416	2043	5.7	3025	3925	44	2 - 1	2
418	2366	7.6	4033	5231	59	2 - 1 1/4	2 1/2
4110	2702	9.5	5049	6545	73	2 - 1 1/4	2 1/2
446	1900	6.1	3243	4209	37	2 - 1	2
448	2197	8.2	4324	5609	49	2 - 1	2 1/2
4410	2506	10.3	5414	7018	61	2 - 1 1/4	2 1/2
466	2316	6.3	3380	4387	44	2 - 1	2
468	2653	8.5	4507	5846	59	2 - 1 1/4	2 1/2
4610	3004	10.6	5643	7315	73	2 - 1 1/4	2 1/2
476	1932	6.4	3391	4400	37	2 - 1	2
478	2235	8.6	4521	5864	49	2 - 1	2 1/2
4710	2550	10.7	5660	7337	61	2 - 1 1/4	2 1/2
506	1998	7.0	3685	4783	37	2 - 1	2
508	2312	9.3	4914	6374	49	2 - 1	2 1/2
5010	2640	11.7	6152	7975	61	2 - 1 1/4	2 1/2
536	2240	7.3	3914	5080	44	2 - 1	2
538	2599	9.8	5219	6770	59	2 - 1 1/4	2 1/2
5310	2972	12.3	6534	8470	73	2 - 1 1/4	2 1/2
586	2319	8.0	4270	5542	44	2 - 1	2
588	2692	10.7	5693	7385	59	2 - 1 1/4	2 1/2
5810	3079	13.4	7128	9240	73	2 - 1 1/4	2 1/2
616	2572	8.3	4448	5773	44	2 - 1	2
618	2952	11.1	5931	7693	59	2 - 1 1/4	2 1/2
6110	3347	14.0	7425	9625	73	2 - 1 1/4	2 1/2
636	2612	8.7	4626	6003	44	2 - 1	2
638	2999	11.6	6168	8000	59	2 - 1 1/4	2 1/2
6310	3401	14.5	7722	10010	73	2 - 1 1/4	2 1/2

# SPECIFICATIONS

## ALC SERIES PRODUCT COOLER

### 3 FANS

Model	Approx. Shipping Wt. (lbs)	Internal Coil Vol. (Cu.Ft.)	Surface (Ft <sup>2</sup> )		Water Defrost		Drain Conn MPT.
			3 FPI	4 FPI	60°F GPM	No Conns-Size IPS	
436	2300	5.7	3096	4018	55	3 - 1	2 1/2
438	2675	7.7	4128	5354	73	3 - 1	2 1/2
4310	3065	9.6	5168	6699	91	3 - 1 1/4	3
516	2570	7.0	3759	4879	55	3 - 1	2 1/2
518	2971	9.3	5012	6501	73	3 - 1	2 1/2
5110	3389	11.7	6275	8135	91	3 - 1 1/4	3
546	2619	7.4	3980	5166	55	3 - 1	2 1/2
548	3029	9.9	5307	6884	73	3 - 1	2 1/2
5410	3456	12.4	6645	8613	91	3 - 1 1/4	3
576	2668	7.8	4201	5453	55	3 - 1	2 1/2
578	3087	10.4	5602	7266	73	3 - 1	2 1/2
5710	3523	13.1	7014	9092	91	3 - 1 1/4	3
606	2716	8.2	4422	5740	55	3 - 1	2 1/2
608	3145	11.0	5897	7649	73	3 - 1	2 1/2
6010	3590	13.8	7383	9570	91	3 - 1 1/4	3
656	3088	8.9	4804	6234	66	3 - 1	2 1/2
658	3584	11.9	6405	8308	88	3 - 1 1/4	2 1/2
6510	4099	14.9	8019	10395	110	3 - 1 1/4	3
666	2814	9.0	4865	6314	55	3 - 1	2 1/2
668	3260	12.1	6486	8414	73	3 - 1	2 1/2
6610	3724	15.1	8121	10527	91	3 - 1 1/4	3
706	3147	9.4	5071	6581	66	3 - 1	2 1/2
708	3653	12.5	6761	8770	88	3 - 1 1/4	2 1/2
7010	4180	15.7	8465	10973	110	3 - 1 1/4	3
716	2863	9.4	5086	6601	55	3 - 1	2 1/2
718	3318	12.6	6781	8796	73	3 - 1	2 1/2
7110	3790	15.8	8490	11006	91	3 - 1 1/4	3
726	2912	9.9	5307	6887	55	3 - 1	2 1/2
728	3376	13.2	7076	9178	73	3 - 1	2 1/2
7210	3857	16.5	8859	11484	91	3 - 1 1/4	3
796	3010	10.7	5749	7461	55	3 - 1	2 1/2
798	3491	14.3	7666	9943	73	3 - 1	2 1/2
7910	3991	17.9	9598	12441	91	3 - 1 1/4	3
846	3384	11.3	6138	7966	66	3 - 1	2 1/2
848	3932	15.2	8184	10616	88	3 - 1 1/4	2 1/2
8410	4503	19.0	10247	13283	110	3 - 1 1/4	3
916	3502	12.3	6672	8659	66	3 - 1	2 1/2
918	4072	16.5	8896	11539	88	3 - 1 1/4	2 1/2
9110	4664	20.7	11138	14438	110	3 - 1 1/4	3
956	3561	12.8	6939	9005	66	3 - 1	2 1/2
958	4141	17.1	9252	12001	88	3 - 1 1/4	2 1/2
9510	4745	21.5	11584	15015	110	3 - 1 1/4	3

# SPECIFICATIONS

## ALC SERIES PRODUCT COOLER

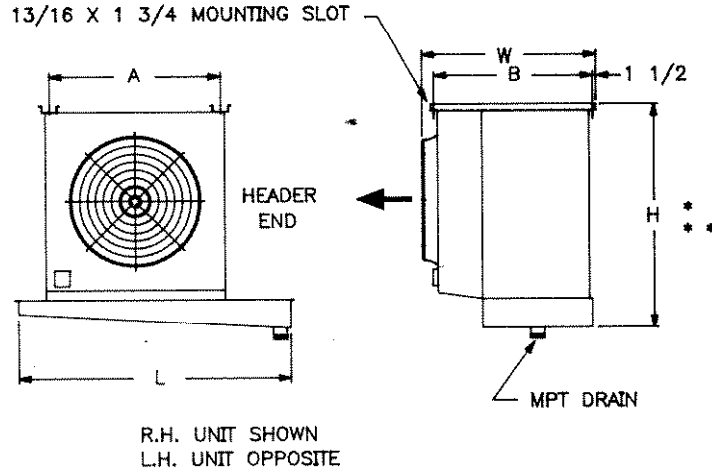
### 4 FANS

Model	Approx. Shipping Wt. (lbs)	Internal Coil Vol. (Cu.Ft.)	Surface (Ft <sup>2</sup> )		Water Defrost		Drain Conn MPT.
			3 FPI	4 FPI	60°F GPM	No Conns-Size IPS	
686	3455	9.2	5012	6505	73	4 - 1	2 1/2
688	3990	12.4	6683	8669	97	4 - 1	3
6810	4547	15.5	8367	10846	122	4 - 1 1/4	3
776	4251	10.3	5602	7270	73	4 - 1	2 1/2
778	4807	13.8	7469	9688	97	4 - 1	3
7710	5386	17.3	9352	12122	122	4 - 1 1/4	3
896	4051	11.9	6486	8418	73	4 - 1	2 1/2
898	4639	16.0	8648	11218	97	4 - 1	3
8910	5250	20.0	10828	14036	122	4 - 1 1/4	3
966	4133	13.0	7076	9183	73	4 - 1	2 1/2
968	4741	17.4	9435	12238	97	4 - 1	3
9610	5373	21.8	11813	15312	122	4 - 1 1/4	3
1056	4302	14.1	7666	9949	73	4 - 1	2 1/2
1058	4931	18.9	10221	13258	97	4 - 1	3
10510	5585	23.7	12797	16588	122	4 - 1 1/4	3
1136	4856	15.2	8255	10714	73	4 - 1	2 1/2
1138	5505	20.3	11007	14278	97	4 - 1	3
11310	6181	25.5	13781	17864	122	4 - 1 1/4	3
1176	4918	15.7	8550	11097	73	4 - 1	2 1/2
1178	5578	21.1	11400	14788	97	4 - 1	3
11710	6265	26.4	14274	18502	122	4 - 1 1/4	3
1216	4981	16.3	8845	11479	73	4 - 1	2 1/2
1218	5651	21.8	11793	15297	97	4 - 1	3
12110	6349	27.3	14766	19140	122	4 - 1 1/4	3

# ALC SERIES DIMENSIONAL DATA

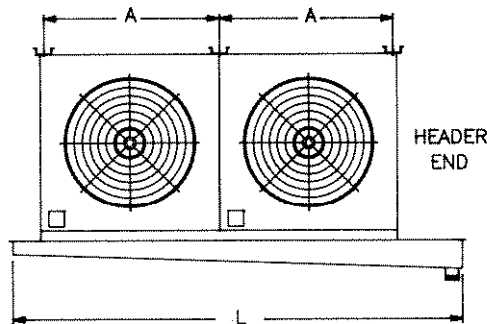
ALC Series Dimensional Data - 1 Fan

Model	L	W			H	A	B		
		6R	8R	10R			6R	8R	10R
ALCB-1-14	78	45	47	51	44 3/4	60	40	42	46
ALCB-1-17	78	45	47	51	50 3/4	60	40	42	46
ALCB-1-19	78	45	47	51	55 3/4	60	40	42	46
ALCB-1-22	90	45	47	51	56 1/4	72	40	42	46
ALCB-1-24	90	45	47	51	56 1/4	72	40	42	46
ALCB-1-28	90	45	47	51	68 1/4	72	40	42	46
ALCB-1-29	90	45	47	51	68 1/4	72	40	42	46
ALCB-1-32	104	45	47	51	63 1/4	86	40	42	46
ALCB-1-35	104	45	47	51	68 1/4	86	40	42	46
ALCB-1-38	104	45	47	51	74 1/4	86	40	42	46



ALC Series Dimensional Data - 2 Fan

Model	L	W			H	A	B		
		6R	8R	10R			6R	8R	10R
ALCB-2-21	104	45	47	51	45 1/4	43	40	42	46
ALCB-2-23	113	45	47	51	45 1/2	47.5	40	42	46
ALCB-2-27	113	45	47	51	51 1/2	47.5	40	42	46
ALCB-2-30	136	45	47	51	46	59	40	42	46
ALCB-2-34	136	45	47	51	52	59	40	42	46
ALCB-2-36	160	45	47	51	46 1/2	71	40	42	46
ALCB-2-39	136	45	47	51	57	59	40	42	46
ALCB-2-41	160	45	47	51	52 1/2	71	40	42	46
ALCB-2-44	136	45	47	51	64	59	40	42	46
ALCB-2-46	160	45	47	51	57 1/2	71	40	42	46
ALCB-2-47	136	45	47	51	69	59	40	42	46
ALCB-2-50	136	45	47	51	75	59	40	42	46
ALCB-2-53	160	45	47	51	64 1/2	71	40	42	46
ALCB-2-58	160	45	47	51	69 1/2	71	40	42	46
ALCB-2-61	160	45	47	51	75 1/2	71	40	42	46
ALCB-2-63	160	45	47	51	75 1/2	71	40	42	46

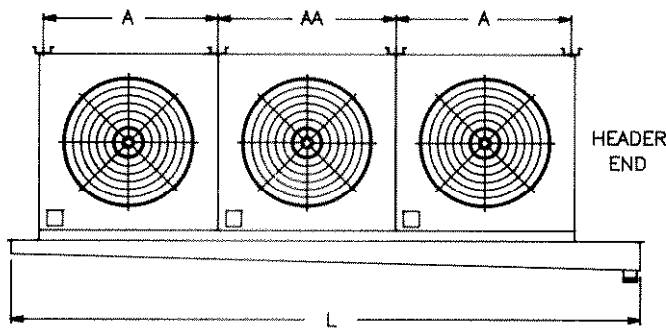


ALL DIMENSIONS ARE IN INCHES

# ALC SERIES DIMENSIONAL DATA

ALC Series Dimensional Data - 3 Fan

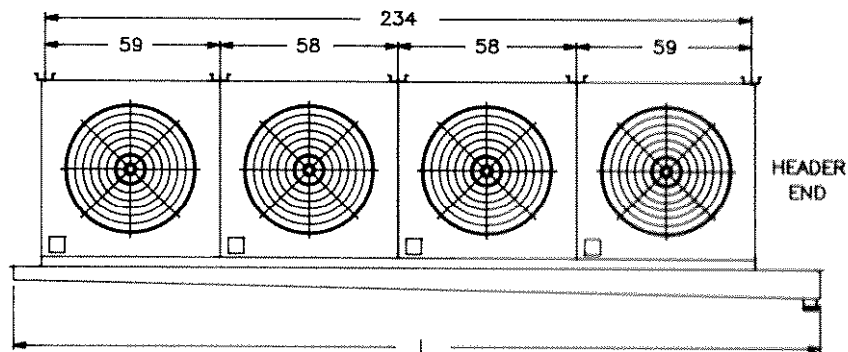
Model	L	W			H	A	AA	B		
		6R	8R	10R				6R	8R	10R
ALCB-3-43	194	45	47	51	47 1/4	59	58	40	42	46
ALCB-3-51	194	45	47	51	53 1/4	59	58	40	42	46
ALCB-3-54	194	45	47	51	58 1/4	59	58	40	42	46
ALCB-3-57	194	45	47	51	58 1/4	59	58	40	42	46
ALCB-3-60	194	45	47	51	65 1/4	59	58	40	42	46
ALCB-3-65	230	45	47	51	59	71	70	40	42	46
ALCB-3-66	194	45	47	51	65 1/4	59	58	40	42	46
ALCB-3-70	230	45	47	51	59	71	70	40	42	46
ALCB-3-71	194	45	47	51	70 1/4	59	58	40	42	46
ALCB-3-72	194	45	47	51	70 1/4	59	58	40	42	46
ALCB-3-79	194	45	47	51	76 1/4	59	58	40	42	46
ALCB-3-84	230	45	47	51	71	71	70	40	42	46
ALCB-3-91	230	45	47	51	77	71	70	40	42	46
ALCB-3-95	230	45	47	51	77	71	70	40	42	46



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ALC Series Dimensional Data - 4 Fan

Model	L	W			H	B		
		6R	8R	10R		6R	8R	10R
ALCB-4-68	252	45	47	51	54 1/2	40	42	46
ALCB-4-77	252	45	47	51	59 1/2	40	42	46
ALCB-4-89	252	45	47	51	66 1/2	40	42	46
ALCB-4-96	252	45	47	51	71 1/2	40	42	46
ALCB-4-105	252	45	47	51	77 1/2	40	42	46
ALCB-4-113	252	45	47	51	83 1/2	40	42	46
ALCB-4-117	252	45	47	51	83 1/2	40	42	46
ALCB-4-121	252	45	47	51	86 1/2	40	42	46

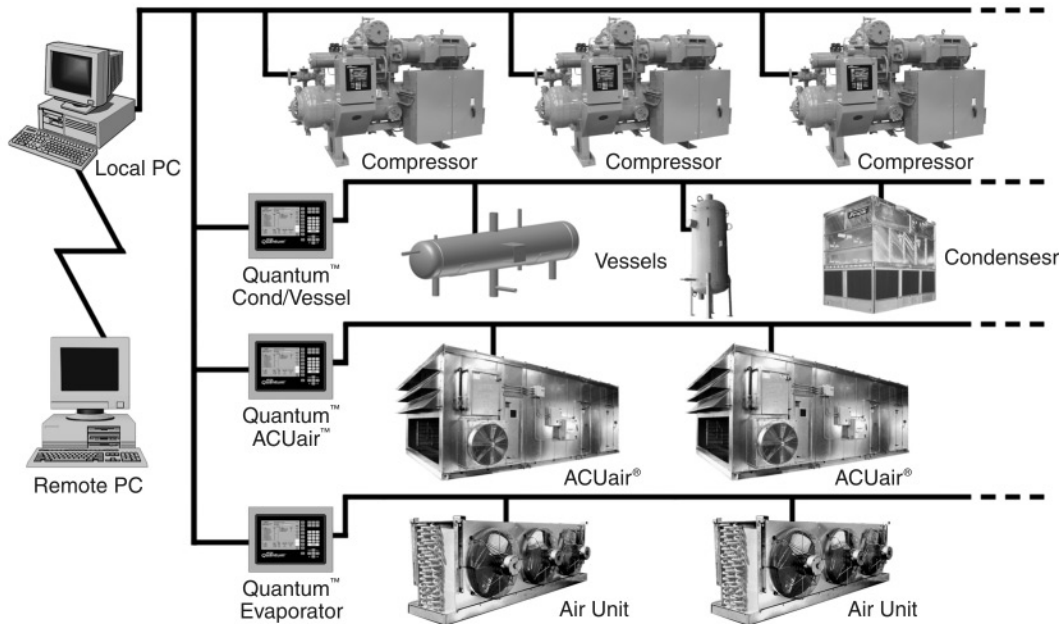


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