



SUPERFREEZE

POWER SAVER AIR COOLING UNITS



Applications:

**For Potato/Fruit/Vegetable/Coldstorages & Milk Processing Units/
Meat/Fish/Ice-Cream /Butter Freezing Units**

Special Features of Ammonia Air Cooling Units

- Coils made of heavy duty precision tubes and aluminium fins. **The tubes are galvanized on outside and bullet expanded with automatic machine** into the fins for excellent bonding between them. Aluminium fins ensures rapid heat absorption from air. The staggered tube construction increases air turbulence at the coil to increase efficiency. VARI-FIN arrangement to reduce frosting at low temperatures.
- Cast Aluminium fan blades for higher static pressure/Air throw.
- Weather proof motors with IP-55 enclosure.
- Accumulator (surge drum) to protect liquid stroke to compressor.
- Arrangement for both ceiling suspension and floor mounting on every coil as standard.
- Water defrosting headers for low temp. coils.
- Heavy duty angle iron frame work with G.I. Casing.
- Coil and fan guard for safety and protection.

Optional Features (At extra cost)

- Hot dip galvanized coil with steel tubes and steel fins.
- Hot gas defrosting arrangement.
- Drain-pan with heating coil.
- Custom Built coils for special applications.

ALUMINIUM ADVANTAGE

There are many specific advantages for Air Cooling Units using coils with Aluminium fins over coils with galvanized steel fins.

- 1 Thermal conductivity for Aluminium is 4½ times higher than steel which results in faster cooling.
- 2 Weight of steel coils are 2 to 2½ times of the weight of Aluminium coils-takes less energy to cool the coil.
- 3 Easier defrost for aluminium coils.
- 4 Less susceptible to corrosion.
- 5 Easily cleanable.

AIR COOLING UNITS CAPACITIES

Model No.	No. of Coils	No. of Rows Deep	No. of Fans	Total Air Flow M3/HR	KW/HP Per Fan	Capacities KCal/Hr/Deg C TD.		Over All Dimensions (Without Accumulator) (mm) (LxWxH)
						3 Fins/Inch	4 Fins/Inch	
Above 0 deg.C								
SA-16	1	6	2	17,000	0.55/0.75	.....	2520	2360 X 865 X 1105
SAE-20	1	6	2	13,600	0.37/0.50	.....	2620	2810 X 865 X 1105
SA-20	1	6	2	17,000	0.55/0.75	.....	3020	2810 X 865 X 1105
SA-24	1	6	3	25,000	0.55/0.75	.....	3780	3310 X 865 X 1105
SAH-16	1	6	3	21,300	0.37/0.50	.....	2520	2360 X 865 X 1105
SAH-20	1	6	3	21,300	0.37/0.50	.....	3020	2810 X 865 X 1105
SAH-24	1	6	4	28,700	0.37/0.50	.....	3780	3310 X 865 X 1105
Below 0 deg.C								
SAL-164	1	4	2	17,600	0.55/0.75	1775	1950	2360 X 865 X 1105
SAL-166	1	6	2	17,000	0.55/0.75	2270	2520	2360 X 865 X 1105
SAL-168	1	8	2	16,400	0.55/0.75	2900	3150	2360 X 865 X 1105
SAL-206	1	6	2	17,000	0.55/0.75	2775	3020	2810 X 865 X 1105
SAL-208	1	8	2	16,400	0.55/0.75	3400	3625	2810 X 965 X 1105
SAL-236	1	6	3	25,500	0.55/0.75	3800	4050	3310 X 865 X 1105
SAL-238	1	8	3	24,500	0.55/0.75	4565	4815	3310 X 965 X 1105
SAL-326	2	6	4	34,000	0.55/0.75	4540	5040	5650 X 865 X 1105
SAL-328	2	8	4	32,800	0.55/0.75	5800	6300	5650 X 965 X 1105
SAL-3210	2	10	4	32,000	0.55/0.75	7000	7400	5650 X 1065 X 1105
SAL-408	2	8	4	32,800	0.55/0.75	6800	7250	6550 X 965 X 1105
SAL-4010	2	10	4	32,000	0.55/0.75	8650	9080	6550 X 1065 X 1105
SAL-468	2	8	6	49,000	0.55/0.75	9130	9630	7120 X 965 X 1105
SAL-4610	2	10	6	48,000	0.55/0.75	10375	10775	7120 X 1065 X 1105

CAPACITY CORRECTION FACTORS FOR SUCTION TEMP.

-20 deg. C	-25 deg. C	-30 deg. C	-35 deg. C	-40 deg. C
1.01	1.00	0.98	0.96	0.93

- SA-Front Throw • SAH-Down Throw • SAL-Front Throw Low temp • SAE-Front Throw Power Saver

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