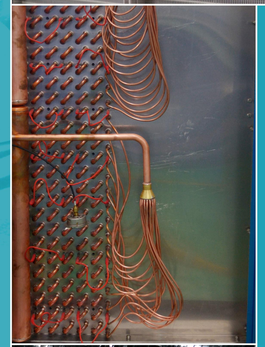
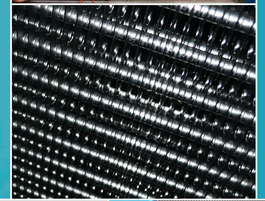
Vertical Blast Freezing Air Cooler









Nomenclature:

VL36.3/506A

V : **Vertical Type Evaporator**

L : M: -15 ~ -20°C / L: Below -25°C

36.3 : **Cooling Capacity (KW)**

506 : **Fan Motor** Dia. 500mm x 6pcs

A : 380V/50Hz/3phase

Product Description:

- ★ Very big diameter copper tube ϕ16mm, Max fin space up to 10mm;
- ★ Benefited from the huge heat-transfer surface we have experiment shows that weight loss during the freezing of food reduced tremendously which proves our new design limit the dehumidification perfectly;
- ★ Due to the low frosting velocity, customers could save a lot from the power consumption;
- ★ Top quality axial fan motor could make sure that you have a low noise, stable and reliable evaporator;
- ★ Galvanized steel with powder painting body is very good against corrosion, of course that stainless steel is optional;
- ★ With vertical structure, installation could be very easy.



Supcool Refrigeration Equipment Factory

VM Air Cooler (Fin Space 6mm)

Model		VM36.9/504A	VM46.8/504A	VM56.1/506A	VM69.3/506A	VM50.1/554A	VM61.6/554A	VM71/556A	VM84.7/556A	VM60.5/634A	VM73.7/634A	VM89.1/636A	VM105.6/636A
Cooling (KW)		36.9	46.8	56.1	69.3	50.1	61.6	71	84.7	60.5	73.7	89.1	105.6
Heat Transfer Surface(m^2)		210	280	300	400	260	350	350	460	300	400	450	600
Air Flow (m^3/h)		24000	24000	36000	36000	32000	32000	48000	48000	40000	40000	60000	60000
Air Throw (m)		16	14	16	14	18	16	18	16	20	18	20	18
Input (KW)		2	2	3	3	3	3	4.5	4.5	3.52	3.52	5.28	5.28
Defrost (KW)		16.5	22.5	22	30	22	30	22	30	24	32	24	32
Overall Size(mm)	L	1935	1935	2535	2535	2295	2295	2535	2535	2295	2295	3195	3195
	W	824	924	824	924	824	924	824	924	824	924	824	924
	H	1685	1685	1685	1685	1685	1685	1685	1685	1885	1885	1885	1885
Pipe Diameter (mm)	Liquid	22	22	28	28	22	28	28	28	28	2X22	2X22	2X22
	Gas	54	54	60	60	54	60	60	60	60	2X54	2X54	2X60
Pipe Volume (L)		47.6	63.4	66.1	88.1	58.7	78.2	77.2	103	67.1	89.4	98.8	131.8

Remarks: Fin space 6mm, nominal capacity at room temp: -18°C； Evaparation Temp: -25°C , DELTA T=7°C , R448/R449A

VL Air Cooler (Fin Space 10mm)

Model		VL18.7/504A	VL23.1/504A	VL27.5/506A	VL36.3/506A	VL25.3/554A	VL31.5/554A	VL35.2/556A	VL43.5/556A	VL30.3/634A	VL38/634A	VL45.1/636A	VL52.8/636A
Cooling (KW)		18.7	23.1	27.5	36.3	25.3	31.5	35.2	43.5	30.3	38	45.1	52.8
Heat Transfer Surface(m^2)		130	170	185	245	165	215	215	290	185	245	280	370
Air Flow (m^3/h)		24000	24000	36000	36000	32000	32000	48000	48000	40000	40000	60000	60000
Air Throw (m)		16	14	16	14	18	16	18	16	20	18	20	18
Input (KW)		2	2	3	3	3	3	4.5	4.5	3.52	3.52	5.28	5.28
Defrost (KW)		16.5	22.5	22	30	22	30	22	30	24	32	24	32
Overall Size(mm)	L	1935	1935	2535	2535	2295	2295	2535	2535	2295	2295	3195	3195
	W	824	924	824	924	824	924	824	924	824	924	824	924
	H	1685	1685	1685	1685	1685	1685	1685	1685	1885	1885	1885	1885
Pipe Diameter (mm)	Liquid	22	22	28	28	22	28	28	28	28	2X22	2X22	2X22
	Gas	54	54	60	60	54	60	60	60	60	2-54	2-54	2-60
Pipe Volume (L)		47.6	63.4	66.1	88.1	58.7	78.2	77.2	103	67.1	89.4	98.8	131.8

Remarks: Fin space 10mm, nominal capacity at room temp: -33°C； Evaparation Temp: -40°C , DELTA T=7°C , R448/R449A