

ALTECH®

AIR- COOLED TYPE INDUSTRIAL CHILLER HIGH EFFICIENCY / STABLE OPERATION



SPECIAL FEATURES

- Without water cooling tower for easier installation & high mobility.
- Available for outdoor installation. Low noise fan motor provides excellent cooling & condensation effects.
- The throttle unit is stable & finished with high grade anti-rust treatment.
- Provide with stainless steel built in water tank with SS coil.
- Equipped with quality compressors (Panasonic, Danfoss & Copeland) & water pump.
- Digital control panel with safety features like water flow, low water level & high/low gas pressure alarm.
- Able for remote on/off & RS485 connection & use environment friendly refrigerant. (R407c or R410a)
- Able to cater for sub zero water applications.

AIR - COOLED INDUSTRIAL CHILLER

Item	Model	AC-1	AC-2	AC-3	AC-5	AC-6	AC-8 (D)	AC-10 (D)	AC-12	AC-15	AC-20 (D)	AC-25 (D)	AC-30 (D)	AC-40 (F)	AC-50(F)	AC-60 (F)
Nominal Cooling Capacity	Kcal/h	2941	5332	7310	12470	14706	19522	24940	21476	39732	51772	62952	79464	103544	125904	158928
	KW	3.42	6.2	8.5	14.5	17.1	22.7	29	36.6	46.2	60.2	73.2	92.4	120.4	146.4	184.8
Total Input Power	KW	1.41	2.25	3.25	5.39	5.73	9.3	11.2	11.7	15.06	19.9	22.36	28.96	39.2	44.32	57.52
Power		1PH/220V/50HZ				3PH/400V/415V/50HZ										
Refrigerant	Type	R410a			R407c											
	Control Method	Capillary				Expansion Valve										
Compressor	Type	Hermetic Rotating Type			Hermetic Scroll type											
	Brand	Depend			Panasonic/Danfoss											
	Power (KW)	0.95	1.73	2.69	4.46	4.8	7.4	8.8	9.3	12.46	16.2	18.6	24.92	32.4	37.2	49.84
Condenser	Type	Finned coppertube + low noise outer rotor fan														
	Power (KW)	0.09	0.15	0.19	0.38	0.38	0.48	0.92	0.92	1.1	1.56	1.56	1.86	2.8	3.12	3.68
	Cooling Air Flow (m3/h)	1000	2000	3000	5000	6000	8000	10000	12000	15000	20000	25000	30000	40000	50000	60000
Evaporator	Type	Stainless steel water tank with s.s coil														
	Chilled fluid flow (m3)	0.59	1.07	1.47	2.50	2.95	3.91	5.00	6.31	8.00	10.38	12.62	16.00	20.76	25.24	32.00
	Tank volume (L)	16	22	50	60	75	120	200	200	300	350	350	460	580	620	750
	Inlet/Outlet pipe caliber	1/2"	1/2"	1"	1"	1"	1-1/2"	1-1/2"	2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	3"	3"
Water Pump	Power (KW)	0.37	0.37	0.37	0.55	0.55	0.75	0.75	1.1	1.5	2.2	2.2	2.2	2.2	4	4
	Lift (m)	16	16	22	22	22	26	26	25.5	26.5	30	22	22	23	27	27
	Water system material	CNP brand pump + galvanized pipe water pipes														
Safety Protection		compressor over heating protectio, over-current protection high and low pressure protection, over-temperature protection, flow swich protection, phase sequence or phase-missing protection, exhaust overhating protection, anti-freezing protection														
Dimension	Length (mm)	580	650	1030	1140	1140	1530	1530	1530	1900	2000	2100	2100	2200	2350	2700
	Width (mm)	460	500	520	560	560	780	780	780	990	1130	1130	1580	1660	1760	2200
Weight	Height (mm)	870	948	1185	1250	1250	1310	1430	1680	1780	1820	2000	1800	2100	2100	2050
Weight	Kg	73	100	160	190	200	350	580	580	830	890	960	1250	1350	1550	1850

Note :

The nominal cooling capacity calculated according to :

1. Inlet/outlet chilled fluid temperature : 17degC/12degC

Inlet/outlet cooling air temperature : 30degC/35degC

2. Working condition :

The temperature range of chilled fluid is from 5degC to 35degC

It s better to run the chiller while the ambient temperature at or below 38degC

We reserve the right to modify the above information without further notice