

ALTECH®

AIR- COOLED TYPE INDUSTRIAL CHILLER HIGH EFFICIENCY / STABLE OPERATION



SPECIAL FEATURES

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

AIR - COOLED INDUSTRIAL CHILLER

Item \ Model		AC-1	AC-2	ACK-3	ACK-5	ACK-6	ACK-8 (D)	ACK-10 (D)	ACK-12	ACK-15	ACK-20 (D)	ACK-25 (D)	ACK-30 (D)	ACK-40 (F)	ACK-50(F)	ACK-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	6.08	8.11	10.59	12.17	16.25	19.9	24.64	29.06	37.4	48.88	57.68	
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	Panasonic				Panasonic/Danfoss											
	Power (KW)	0.95	1.73	2.69	4.46	5.15	6.88	8.92	10.15	13.65	16.2	20.88	27.3	32.4	41.7	54.6	
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	water tank with s.s coil				Shell&tube type + water tank (stainless steel)											
	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	20	30	30	85	85	85	145	170	170	220	240	345	345	
	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	1850	2000	2200	2000	2100	2350	2700	
	Width (mm)	460	500	520	560	560	780	780	780	990	1130	1130	1480	1660	1760	2200	
Weight	Height (mm)	870	948	1185	1250	1250	1630	1630	1630	1780	1820	2000	1950	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