

AMPLECOOL

THE CHILLER MAKER



Ample Cool Co., Ltd.

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COMPACT PACKAGE CHILLER

MACHINE MODEL : W/AMPX 1-75
(AIRCOOL / WATERCOOL)

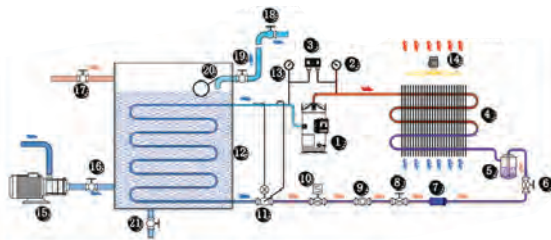
MACHINE SYSTEM : COMPLETE PACKAGE SYSTEM



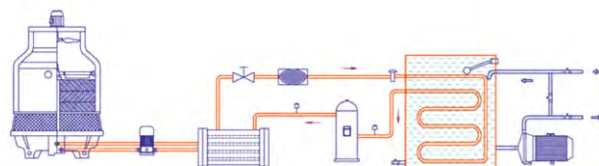
SPECIFICATION : PACKAGE CHILLER

W/AMPX		1	1.5	2	3	5	7.5	10	15	20	30	40	50	60	75	
Power Supply	V/ph/Hz	220/1/50			380/3/50											
PERFORMANCE																
TEMPERATURE RANGE	C	-10 to + 35c														
Cooling capacity	BTU/Hr	12,000	18,000	25,000	38,000	60,900	92,000	123,000	184,000	253,000	369,000	480,000	600,000	720,000	900,000	
Cooling capacity	Tons	1	1.5	2	3	5	7.5	10	15	20	30	40	50	60	75	
Running Current	A	6	10.5	6.5	8.5	10.5	20.5	22	38	42	65	81	100	122	144	
COMPRESSOR																
Compressor Type		Copeland Scroll														
Compressor Power	Hp	1.2	1.8	3	4	6	9	12	18	24	36	48	60	72	90	
Compressor QTY	PC	1	1	1	1	1	1	1	2	2	3	4	4	6	6	
Refrigerant		R22 / R407C / R410a / (Or As per customer's requirement)														
Evaporator		Coil In Tank System / Shell & Tube System / Plate Heat Exchanger / Titanium (Sea Water)														
Condenser		AIRCOOLED Condenser (Aluminium Blue - Fin with Copper tube) / WATERCOOLED (Shell & Tube Condenser)														
PUMP																
Pump Power	Hp	0.5	0.5	1	1	1	2	2	3	3	5.5	5.5	5.5	5.5	5.5	
Flowrate	L / min	20-50	20-50	16-100	16-100	16-100	100-280	100-280	100-600	100-600	80-830	80-830	80-830	80-830	80-830	
Pressure	Bar	1-2	1-2	2-3.8	2-3.8	2-3.8	2-4.3	2-4.3	2.7-4.7	2.7-4.7	2-4	2-4	2-4	2-4	2-4	
Connection Size	Inch	1/2	1/2	1/2	1	1	1 1/2	1 1/2	2	2	2	2 1/2	2 1/2	3	3	
TANK																
Capacity	Litre	30	50	50	70	100	200	200	400	400	500	1000	1000	1000	1000	
PUMP																
Weight	KG	90	100	120	165	265	375	500	630	720	900	1400	1500	2100	3850	
W	mm	510	550	560	680	700	750	820	1000	1100	1000	2000	2200	2000	2100	
L	mm	850	930	940	1100	1150	1460	1520	1850	2000	3300	2200	2300	3200	3200	
H	mm	950	1000	1000	1130	1450	1560	1650	2080	2180	2120	2200	2230	2000	2180	

Air Cooled Chiller Working Diagram



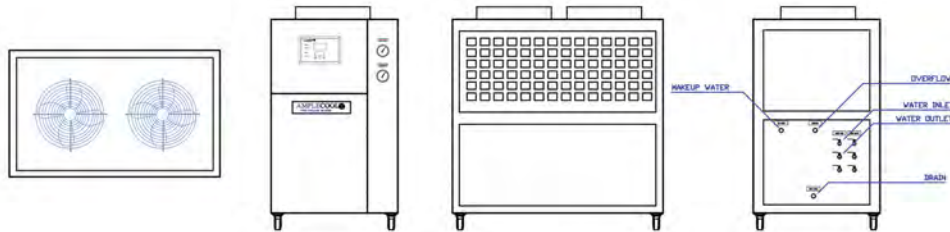
Water Cooled Chiller Working Diagram



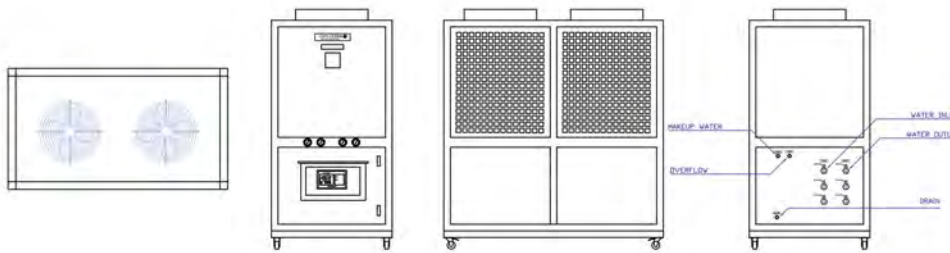
1. Compressor
2. High pressure gauge
3. High and low pressure protector
4. Condenser
5. High pressure accumulator
6. Angled shut-off valve
7. Filter dryer
8. Manual shut-off valve
9. Liquid mirror
10. Solenoid valve
11. Expansion valve Capillary
12. Evaporator
13. Low pressure gauge
14. Fan
15. Frozen water pump
16. Outlet water shut-off valve
17. Inlet water shut-off valve
18. Tap water valve
19. Water supply valve
20. Tank water floating ball valve
21. Drain valve of water tank

EXTERNAL DIMENSIONS

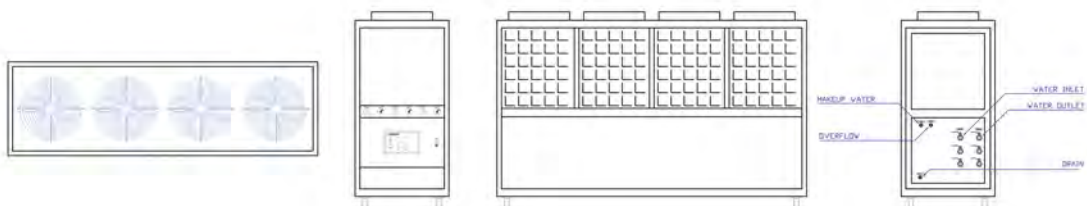
SINGLE COMPRESSOR MODEL



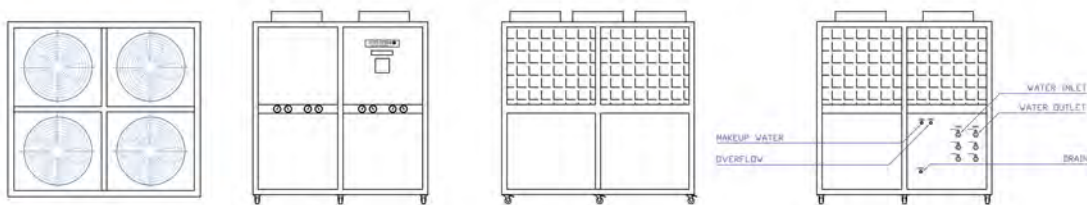
TWO COMPRESSORS MODEL



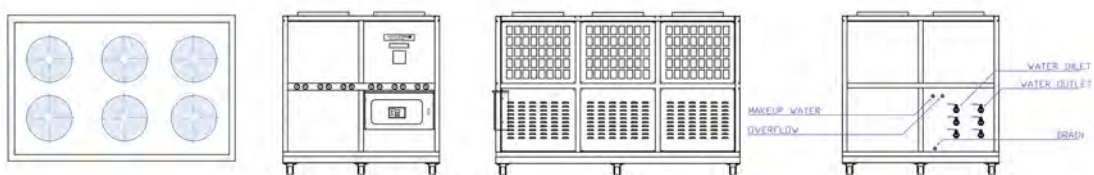
THREE COMPRESSORS MODEL



FOUR COMPRESSORS MODEL



SIX COMPRESSORS MODEL





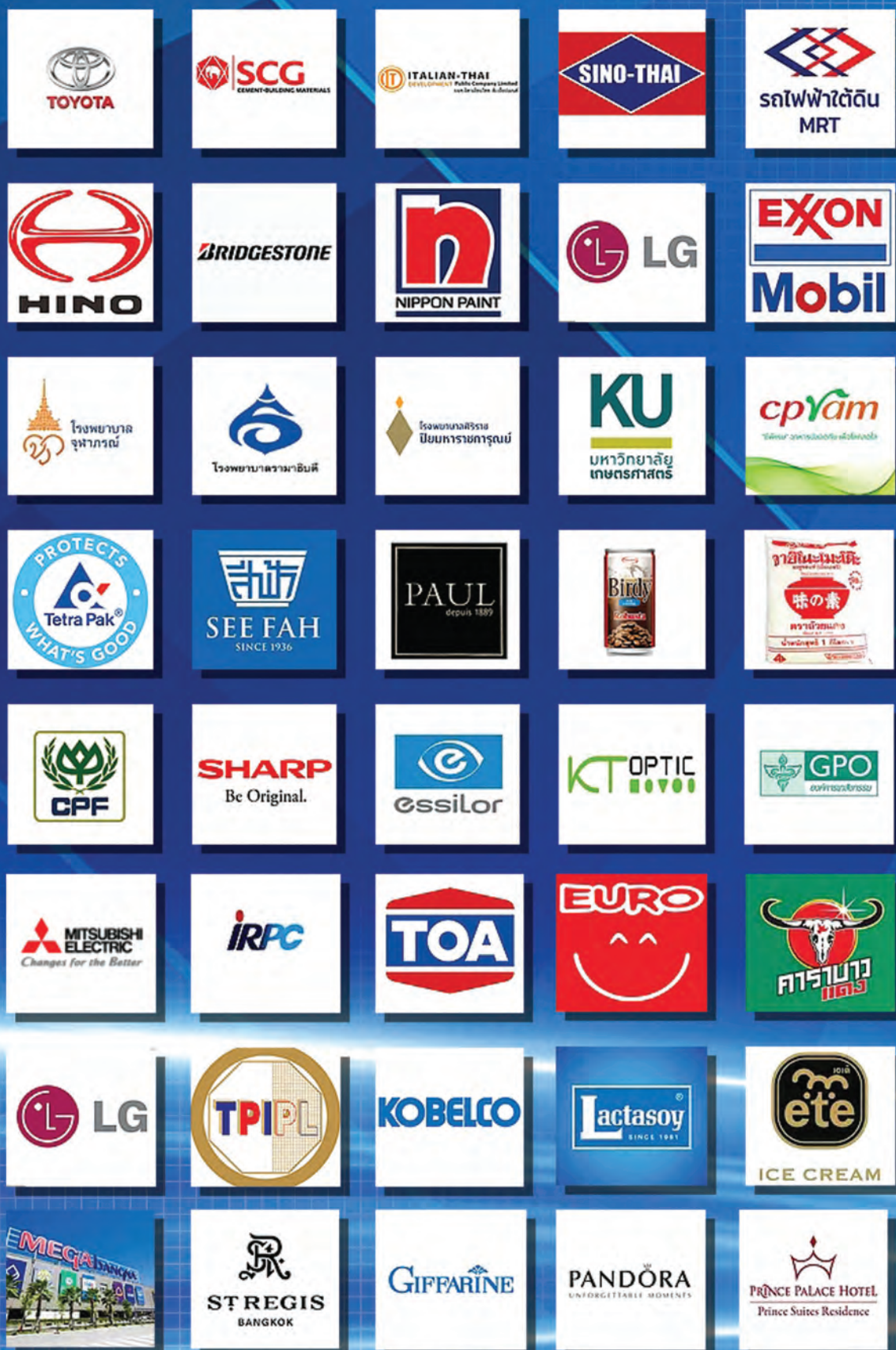
REFERENCE CUSTOMER

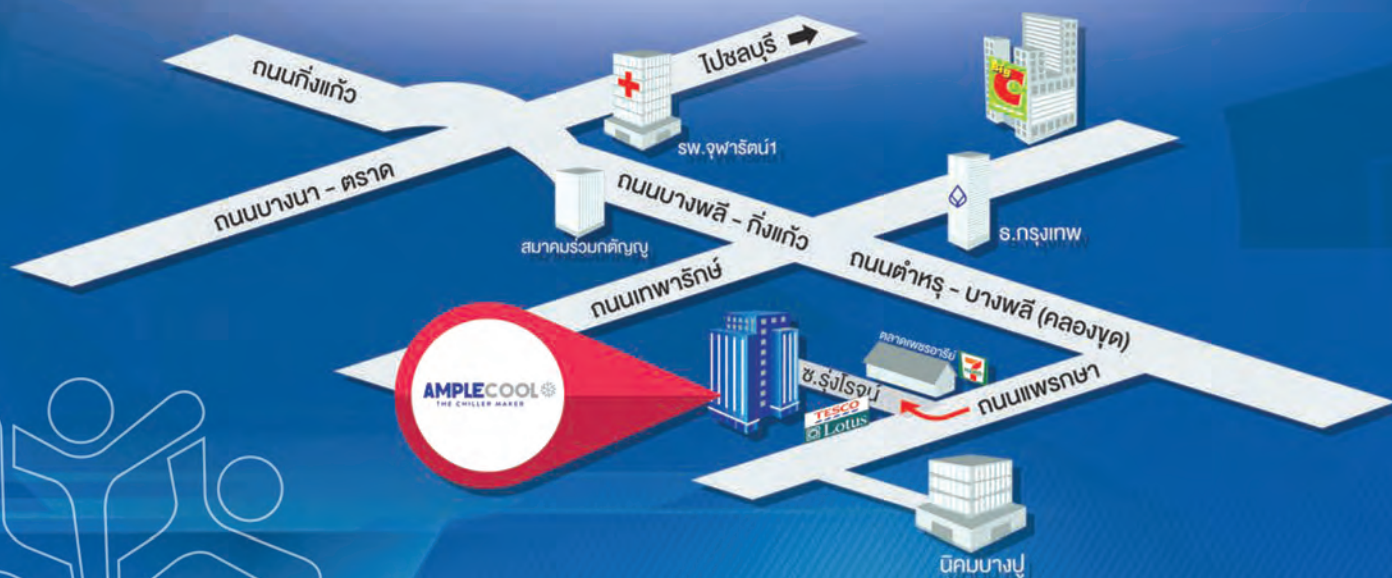


30 years of

COMBINED EXPERIENCE

We have the know-how you need.





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