

Compact Package Chiller

Machine Model : W/AMPC 1-50 (AIRCOOL /WATERCOOL)

Machine System : Complete Package System



ENERGY EFFICIENCY
in Industrial Processes



AMPLECOOL

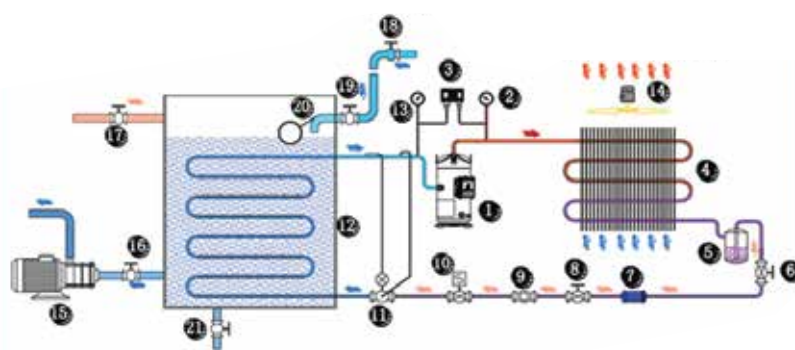
THE CHILLER MAKER

www.amplecool.com

SPECIFICATION : PACKAGE CHILLER

AMPC		1	1.5	2	3	5	7.5	10	15	20	30	40	50
Power Supply	V/ph/Hz	220 / 1 / 50			380/3/50 - 450/3/50								
PERFORMANCE													
Cooling capacity	BTU/Hr	12,000	18,000	25,000	38,000	60,900	92,000	123,000	180,000	253,000	369,000	480,000	600,000
	Tons	1	2	2	3	5	7.67	10	15	20.5	30	40	50
COMPRESSOR													
Compressor Type		Copeland Scroll											
Compressor Power	Hp	1.2	1.8	3	4	6	9	12	18	24	36	50	60
Refrigerant	Hp	R22/R407c											
Evaporator		Coil in Tank System/Shell & Tube system / Plate heat Exchange System											
Condensor		Aircooled Aluminium Fin with Copper tube "OR" watercooled shell & tube											
PUMP													
Pump Power	Hp	0.5	0.5	0.5	1	1	2	2	4	4	5.5	5.5	5.5
Flowrate	L/min	20-50	20-50	20-50	20-100	20-100	100-280	100-280	100-600	100-600	100-600	100-600	100-600
Pressure	Bar	1-2	1-2	1-2	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
Connection Size	Inch	1/2	1/2	1/2	1	1	1 1/2	1 1/2	2	2	2	3	3
Tank													
Capacity	Litre	30	30	50	70	100	200	200	400	400	400	500	500
SIZE													
Dimention	KG	90	100	120	165	265	375	500	630	72	900	1400	1500
W	cm	50	58	56	68	70	75	80	100	110	112	220	220
L	cm	70	90	90	115	115	146	150	185	200	265	200	215
H	cm	100	100	100	115	146	162	165	195	208	225	208	227

Air 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