

Atecpool MaxChill Series

Water Chillers

Atecpool MaxChill water chillers

Ideal for plunge pools and water immersion pools for sports recovery. Atecpool Water Chillers provide low temperatures reaching 10°C for cold water treatment. Anti-Corrosive Titanium Heat Exchanger combined with a R410 refrigerant compressor for low water temperatures.



>> Low water temperature upto 10°C <<

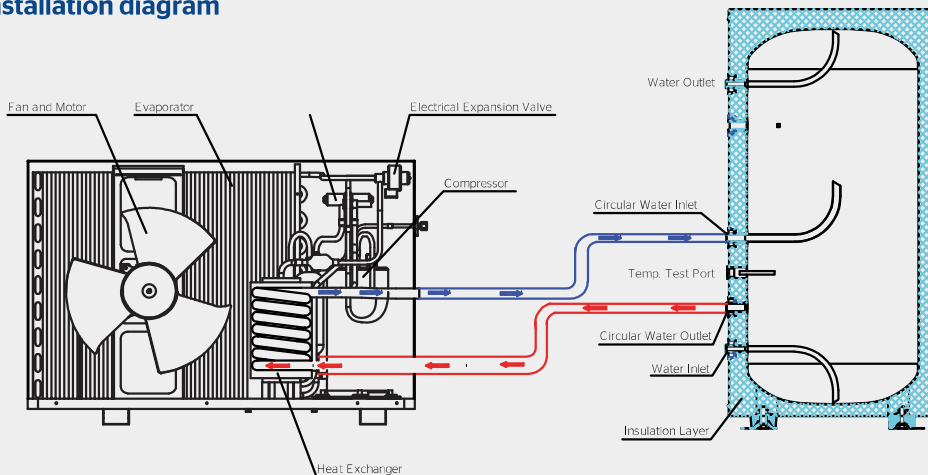
Suitable for cooling

- Swimming pool
- Spa
- Roof water tanks

Working principle

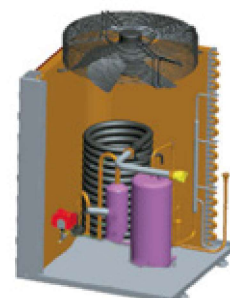
The technology is based on the same principle employed in air conditioners and refrigerators, delivering up to five times more energy than it consumes in electricity. Chillers are designed to give low temperatures to water body by extracting ambient heat from the surrounding air.

Installation diagram



MaxChill Components

- Heat Exchanger made of double spiralled titanium tubes encased in PVC or SS for additional protection against corrosive pool water.
- Extra-large evaporator coils are designed to collect more cool energy from the outside air to ensure performance in even the most adverse conditions.
- Large axial fans, with precision engineered blades are used to draw maximum ambient air and pass it on to the evaporator coils



Atecpool Maxchill Series

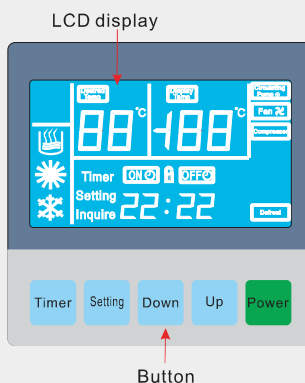
Water Chillers








Specification		Model / Code		
		ACU-200	ACU-300	ACU-500
Chilled water @ 35°C ambient				
Cooling Capacity Rating	kW	7.5 (2 Ton)	12.35 (3.5 Ton)	18 (5 Ton)
Rated Power Input	kW	2.50	4.10	6.0
Rated current	Amps	12.10	18.60	11.40
Chilled water @ 46°C ambient				
Cooling Capacity Rating	kW	6.25	10.30	15.0
Rated Power Input	kW	2.70	4.40	6.40
Rated current	Amps	12.80	20.0	12.20
Min Cooling Water Temp			10°C	
Incoming Cable Size		3 Core x 2.5mm ² Cu	3 Core x 4.0mm ² Cu	5 Core x 2.5mm ² Cu
Power Voltage		220V / 50Hz	220V / 50Hz	380V / 50Hz
Compressor	Brand	Panasonic	Panasonic	Panasonic
		Scroll*1	Scroll*1	Scroll*1
Heat Exchanger		Titanium Tube Heat Exchanger in PVC shell		
Refrigerant		R410A	R410A	R410A
Electric Expansion Valve		DPF2.4	DPF3.0	DPF3.0
Defrost		Included		
Cabinet		Galvanized Steel Casing		
Water Connection Port	mm	Exterior 50mm/ Interior 40mm		
Fan Blade Material		Axial Fan Plastic Blade	Axial Fan Plastic Blade	Axial Fan Metal Blade
Fan Input Power	W	200	400	400
Fan Rotate Speed	rpm	850	850	850
Noise	dB(A)	49	58	58
Advised water flow	m ³ /h	8-10	12-15	12-15
Water pressure drop	kPa	14	15	15
Unit net dimensions	mm	630*605*780	810*810*1050	810*810*1350
Net Weight	Kg	94	105	160

LCD Display and functions

MaxChill features more accurate and durable commercial grade digital controllers with user friendly features.



◆ Illustration for the buttons

-  unit unlock, turn on/off
-  increase (setting parameters of the functions)
-  decrease (setting parameters of the functions)
-  Query and function setting
-  Clock and timer switch setting

