

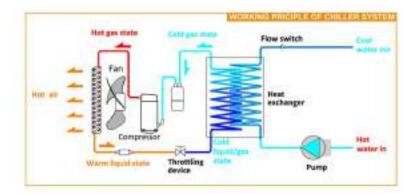
# Air Cooled Water Chiller

# An Ideal Solutions to Chilled Water Applications

Air Cooled Weter Deliter a specially designed for the reset of chiled water in institut regions of the galf areas, when the semisent temperature in summer carr even go up to as high as 51°C, coupling the rootspic tank water machine undearable temperature. The unit versions a differ in seminar, which chile the rootspic tank water is constructed to reperature deal for cooled water optications, tank as shown tank, water water function cooledge, drafting and disarrange als. It adopts a CPC free, where there is regiment when to highly efficient and here to reperation to come lower.

The system consists of a refrigerant sincel and water simult. The refrigerant since is composed of a compression a condenser col, to all exchanger and a firmiting device. And the water simult is composed of a water pump, the same water heat exchanger.





# Key Components

#### Condenser Coils

The evaporator or condenser coll used is of fin and tube type. The fine are hydrophilic meated aluminum fins to resist corrosion, and the copper tubes are inner-grooved type, which increases the heat transfer in the refrigerant side.





#### Intelligent Control

The units are supplied with micro processor based digital controller with LCD display. The controller is programmed to provide a maximum protection to the heat pump system and accurate temperature control. The control panel is completely factory wind with all accessories and terminate included.

### Fan Blade & Water Pump

Weter chillers adopt aluminum fan blade in tropical regions. Built-in circulation water pono is optional.





#### High Efficiency Compressor

With tropical resistance capacity

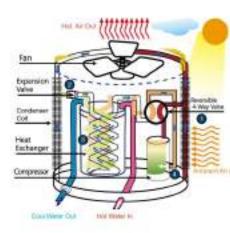
- High efficiently and energy saving
- Guiet operation due to less moving parts.



# How does Water Chiller System work?

#### AS A CHILLER





#### STAGE ONE

The temperature of the full gaseous refrigerant interleged from the compresses is into the tighter that the solution ambient at temperature. When the outlide at passes across the condenser coll, the gaseous refrigerant baseders is fined to the at and condenses the tight.

#### STAGE TWO

The liquid refrigorant powers for equilibrium valve, reducing its pressure and to specifices

#### STAGE THREE

The loss temperature refligators passes to the hear exchanges expositor, where the actual heat truther takes place, the reflepment abcords hear from the welter pursued into the beat exchanges and exaporates, arbitrary the water temperature is reduced.

#### STACE FOUR

The gas refrigerent is then sucked to the compression and overpressed, instreaming the pressure and temperature, many to start the whole syste once again.

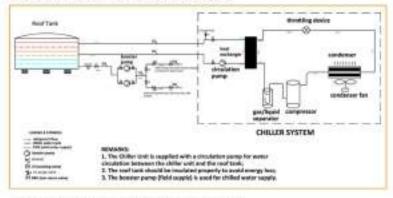
# Features & Highlights

- Tropical for max, working ambient temp. of 53°C
- High efficiency compressor is tropical for high ambient conditions
- Eco-trienally CPC free refrigerant R410a
- Intelligent wired controller with LCD user interface.
- Heat exchanger with high thermal efficiency, high working temperature and low mentanence.
- Goaranteled water safely, no potential risk of contamination to potable water
- Adjustable water temp. setting: 15-35°C
- Competible with all types of existing tanks.
- · Be installed in the garden or roof

- Full safety protection incorporated to the system:
- high pressure and low pressure protection
- compressor overload and high discharge temperature protection
- phase failure protection
- water flow protection
- anti-freezing protection
- Heavy gauge galvarized sited cabinet with epoxy powder painting, for long lasting subdoor life spin
- Built-in water pump is optional
- Energy saving: saves 2/3 running cost that conventional electric heaters
- Easy operation: operates like a simple domestic appliances

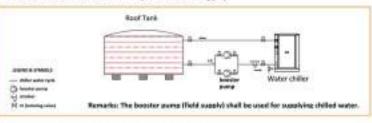
# Application Diagrams

Installation without Buffer Tank (Domestic Type)

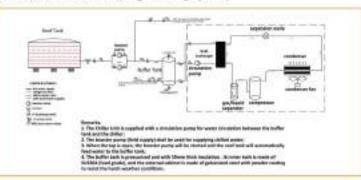


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### Installation with Buffer Tank (Single Cooling System)







## Domestic Air Cooled Water Chiller (50Hz)

**Technical Specifications** 

MODEL			RCCT-25D	ROCT-30D	ROCT-400	ROCT-600	ROCT-700	RCCT-800			
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Outsit water tenge range		-str	1646								
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Notest

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# Commercial Air Cooled Water Chiller (50Hz)

### Technical Specifications

	MODEL		RCCT-90C	ROCT-100C	RCCT-120C	ROCT-2000		
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All weight		140	200	308	.228	208		

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1.Goodbiese of "Gooling (1)": Ambient air temperature DBWD: 3504"C. Intel/Outlat water temperature: W36/25"C. 2.Goodbiese of "Gooling (2)": Ambient air temperature DBWD: 4404"C. Intel/Outlat water temperature: W36/25"C: manufacturer researces the rights to modify the above specifications without native for product improvement. "Mease center: us for apointed information."