

model: Air cooled, water chiller-GTAC311235

Air Cooled, Water Chiller Unit

- * Water cooled chilling unit made for easier understanding to users.
- * This unit made same as actual industrial facilities, and could possible training about plumbing.
- * This unit designed for suit able of general building air conditioning system, and ice thermal storage system also.
- * Fan Coil Unit is configured for each condition of installation and understand how to apply and can be practiced so that pipe is configure.
- * Installed automatic control panel
- * Flow chart of this system which color silk screen printed panel on the stainless steel plate is attached on the near wall.
- * This system will be fabricated at the training site by the equipment supplier.
- * Water Cooled Chiller Unit
 - Power: 3phase 380V, 50HZ
 - Use refrigerant: R -22
 - Compressor: Hermetic 1HP (0.75 kW)
 - Water Cooled Condenser : Shell & Tube Type, Recycle Refrigerants : 1.7 m3/h
 - Water Chiller : Shell & Tube lype5 Recycle Refrigerants : 2.44 m3/h
 - Protection device : High Pressure Switch (H.P.C), High - Low Pressure Switch (P.P.C) Antifreeze T.C
 - Built-in Parts : Receiver, Accumulator, Oil Separator, Sight Glass, Solenoid Valve, Filter, Dryer, Pressure Gage (High, Low)
 - Contact Plumbing: Water In 25A Water Out 25A
- * Fan Coil Unit
 - Ceiling Cassette
 - Cooling capacity: 1,300 Kcal/h
 - Flow: 10L/min
 - Ventilator : Sirocco Fan
 - Power: 1phase, 220V, 50Hz, 45W
 - Ceiling cassette type four discharge
 - Cooling capacity : 1,600Kcal/h
 - Flow : 11 L/min
 - Ventilator : Turbo Fan
 - Power : 1phase, 220V, 50Hz, 110W
 - Lowboy floor type
 - Cooling capacity : 1,700Kcal/h
 - Flow : 10 L/min
 - Ventilator : Sirocco Fan
 - Power : 1phase, 220V, 50Hz, 25W
 - Vertical floor type - front discharge
 - Cooling capacity : 1,800Kcal/h
 - Flow: 10 L/min
 - Ventilator : Sirocco Fan
 - Power : 1phase, 220V, 50Hz, 25W



* Cooling Tower

- Cooling Capacity : 10,000Kcal/h
- Casing : Dia : 680, 1,580m/m(H)
- Water Volume : 30rpu
- Air Volume : 50cmm
- Motor : 1/4HP (1phase, 220V, 50Hz)

* Pump

- Cooling Tower Pump : 1phase, 220V, 50Hz, 1/2HP
- Chilling Pump : 1phase, 220V, 50Hz, 1/2HP

* Data board

- Refrigeration Trainer Control Board
- Removable Micro controller Module (Replacement type)
- 16-Channel Sensor interface (Option : Temperature, Pressure, Flowmeter, Airflowmeter, Ampere :
- 16-Channel power relay on/off control.
- 10/100 Ethernet Interface(RJ-45) (Option : Wi-Fi, Bluetooth, Zigbee, USB, RS-232, RS-485, RS-422, CAN)

* Software program

- Network control system using ethernet communication.
- Machine parts are controlled by using a switch of the program and data values of the sensor by setting the control condition.
- Mechanical diagram displays the sensor values and converter unit option.
- Output of the sensor data in the graph and save files and print output.
- Mechanical parts diagram displays the operation status of motion animation.
- Output of the sensor data in the mollier diagram graph and save image files and print output.

* The Mollier diagram graph simulated sensor data, and to compare the measured sensor data analysis

* At least 2 years service warranty