

**FOOD GRADE AIR-CONDITIONER**

**STAINLESS STEEL CASING**

**EASY FOR CLEANING AND MAINTENANCE.**

**MODEL UCS/AFQ-TACU**

**HYDRONIC FANCOIL UNIT**

**2-20 TR**

- ▶ Casing grade 304 Stainless steel
- ▶ Screw, fan blade and fan guard are made from stainless steel.
- ▶ Easy for cleaning and maintenance.
- ▶ Perfect for hygienic food industry or high dusty environment which is the main cause of blockage in coil.

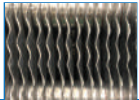
## Standard Accessories

### FAN UNIT

- 4 adjustable speed level
- Low energy consumed with high efficiency
- Screw, fan blade and fan guard are made from stainless steel.

### CASING

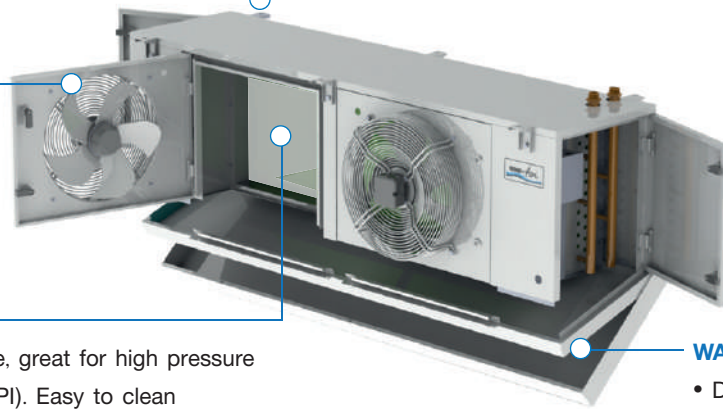
- Casing grade 304 Stainless steel
- Casing can be opened from 3 sides (front, left and right)
- Convenient for coil cleaning



Corrugated Aluminium Fin

### Heat exchanger

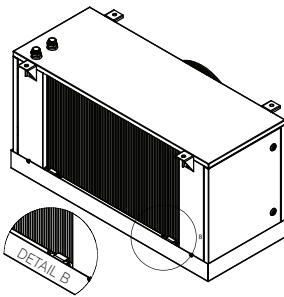
- High quality copper tube, great for high pressure
- Wide 8 Fins Per Inch (FPI). Easy to clean



### WATER TRAY

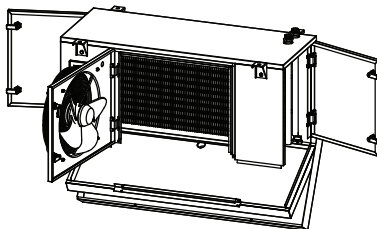
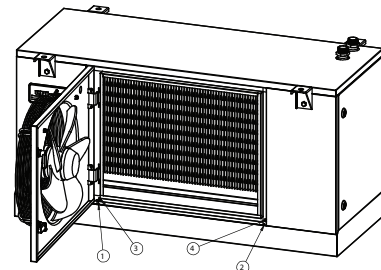
- Designed the water tray with a two-layer structure to prevent condensation from forming droplets under the drainage tray
- Polyurethane insulation.

## Cleaning Method.



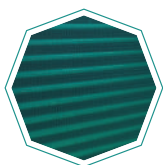
1. Remove water tray screws from the back of the fan coil unit

2. Use key to unlock the front cover
3. Remove screw no. 1 and no.2 to remove outer water tray
4. Remove screw no. 3 and no.4 to remove inner water tray



5. Use key to unlock the both side covers
6. In case of removing the water tray from the unit, remove the latch behind the unit and remove the water tray
7. Use only clean water to clean fan coil unit carefully
8. Assemble all parts backwardly and tight all screws

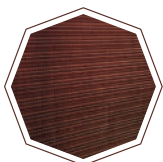
## Choose other types of coils to suit the application



### Green Guard Fin (Made to order)

corrosion prevention caused by ocean vapor and chemicals which extends coil life span.

\*Consulting Uni-Aire's sales engineer for possibility for each location is recommended.



### Copper Fin condenser coil (Made to order)

Fin made from copper, extends life span of condenser coil. Suitable for seaside area and high acidic factory environment.

\*Consulting Uni-Aire's sales engineer for possibility for each location is recommended.

Durability test report under  
ASTM B117

Extremely less rust stain.



Before

After 5,000 hours

## Cooling Coil



uses wave-structured aluminum fin (corrugated fin) pressed tightly onto smooth copper tubes to prevent scale build-up inside the tubes.

## Remote control for operation (used to control the water valve for ON-OFF system only)



optional

### Digital wired thermostat

Displays temperature in glowing digital numbers with a modern and attractive design that is easy to use, and can receive signals from a wireless remote.

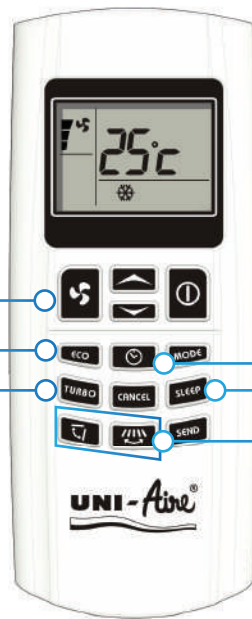
optional

### Wireless digital remote controller

**4 Speed Motor** 4 speeds adjustable wind blow **Turbo-High-Medium-Low** For Turbo cool or Quiet cool.

**ECO Mode** Power saving by automatically setting temperature at 25 °C

**Turbo Fan** Powerful turbo motor helps fill the coolness to the room quickly yet quietly



**Timer On/Off** 24-hour timer for turning on or turning off the air-conditioning system

**Sleep Mode** Adjust suitable temperature for sleeping time

**4 Directional Airflow** Manual adjustable airflow system that can be moved up-down and left-right, or set to a fixed position (not operational)

optional



### Wired WiFi remote control

Can receive signals from a wireless remote and connect to WiFi, allowing control of multiple air conditioning units either in the same location or in different locations from anywhere in the world via the internet



Residential



Hotel



Office



Other locations



# Condenser unit

With International standard quality guaranteed by customers over 70 countries



**MODEL : AFQ**  
25FB to 363FB



**MODEL : AFQ**  
401FB to 603FX



**Model : TACU**  
008AS to 010AS



**Model : TACU**  
012AS to 015AS



**Model : TACU**  
020AS



**Model : TACU**  
025AS

## SPECIFICATION MODEL : UCS / AFQ

		25,000	30,000	36,000	40,000	50,000	60,000
<b>Nominal Cooling Capacity</b> (BTU/Hr)		25,000	30,000	36,000	40,000	50,000	60,000
<b>Power Supply</b> (Volt/Phase/Hz)		220/1/50					
<b>Fan Coil Unit</b>	<b>Model</b>	UCS-025F	UCS-030F	UCS-036F	UCS-040F	UCS-050F	UCS-060F
<b>Casing Material</b>		Stainless (Grade 304)					
<b>Air Flow Rated (Nominal)</b> (CFM)		850	850	1,300	1,300	1,700	1,700
<b>Fan Set</b>	<b>Type</b>	Axial Fan (Horizontal Discharge)(Direct Drive)					
	<b>Quantity</b> (Set)	1			1		2
<b>Evaporator Coil</b>	<b>Type : Material</b>	Plate Fin Coil : Aluminium Corrugated Fin with Inner Grooved Copper Tube					
	<b>Face Area</b> (Sq.Ft.)	2.33	2.72	3.50	3.50	4.75	4.75
	<b>Row / FPI</b>	4 Row / 8 FPI	4 Row / 10 FPI	4 Row / 8 FPI	4 Row / 10 FPI	4 Row / 8 FPI	4 Row / 10 FPI
<b>Expansion Device Type</b>		Capillary Tube					
<b>Control Type</b>		Wire Digital					
<b>Air Filter Type</b>		Nylon Filter					
<b>Drain Pipe Connection</b> (Inch)(OD)		3/4					
<b>Dimension (WxDxH)</b> (mm.)		999x557x475	1,100x557x475	1,100x557x565		1,352x557x565	
<b>Condensing Unit</b>	<b>Model</b>	AFQ-25FB	AFQ-301FB	AFQ-361FB	AFQ-403FB	AFQ-503FX	AFQ-603FX
<b>Condenser Coil</b>	<b>Type : Material</b>	Plate Fin Coil : Aluminium Louver Fin with Inner Grooved Copper Tube					
	<b>Fan Type</b>	Propeller (Horizontal Discharge)(Direct Drive)					
<b>Fan Set</b>	<b>Quantity</b> (Set)	1				2	
	<b>Type</b>	Rotary				Scroll	
<b>Compressor</b>	<b>Refrigerant</b>	R32 (Holding Charge)					
	<b>Circuit of Refrigerant</b>	1					
	<b>Quantity</b> (PCS.)	1					
<b>Pipe Connection</b>	<b>Suction Line</b> (Inch)(OD)	5/8	3/8			3/4	
	<b>Liquid Line</b> (Inch)(OD)						1/2
<b>Dimension (WxDxH)</b> (mm.)		944x380x632	944x380x784		944x380x1,140		

\*Nominal cooling capacity based on 80 °FDB and 67 °FWB entering air temp., And 45°F suction temp. and 95°F ambient temp.

Specification are subjected to change without notice for future improvement

## SPECIFICATION MODEL : UCS / TACU

		80,000	90,000	100,000	120,000	150,000	200,000	250,000
<b>Nominal Cooling Capacity</b> (BTU/Hr)		80,000	90,000	100,000	120,000	150,000	200,000	250,000
<b>Power Supply</b> (Volt/Phase/Hz)		380/3/50						
<b>Fan Coil Unit</b>	<b>Model</b>	UCS-080A1	UCS-090A1	UCS-100A1	UCS-120A1	UCS-150A1	UCS-200A1	UCS-250A1
<b>Casing Material</b>		Stainless (Grade 304)						
<b>Air Flow Rated (Nominal)</b> (CFM)		2,600	2,600	2,800	4,200	4,400	6,300	8,400
<b>Fan Set</b>	<b>Type</b>	Axial Fan (Horizontal Discharge)(Direct Drive)						
	<b>Quantity</b> (Set)	2			3		4	
<b>Evaporator Coil</b>	<b>Type : Material</b>	Plate Fin Coil : Aluminium Corrugated Fin with Inner Grooved Copper Tube						
	<b>Face Area</b> (Sq.Ft.)	6.25	6.25	8.38	8.40	10.24	12.99	17.57
	<b>Row / FPI</b>	4 Row/8 FPI	4 Row/10 FPI		4 Row/8 FPI		4 Row/10 FPI	
<b>Expansion Device Type</b>		Thermostatic Expansion Valve						
<b>Control Type</b>		Wire Digital						
<b>Air Filter Type</b>		Nylon Filter						
<b>Drain Pipe Connection</b> (Inch)(OD)		1						
<b>Dimension (WxDxH)</b> (mm.)		1,655x557x540	2,087x557x540	1,810x667x650	2,115x667x650	2,572x666x650	3,334x667x650	
<b>Condensing Unit</b>	<b>Model</b>	TACU-008AS	TACU-009AS	TACU-010AS	TACU-012AS	TACU-015AS	TACU-020A-2C	TACU-025A-2C
<b>Condenser Coil</b>	<b>Type : Material</b>	Plate Fin Coil : Aluminium Louver Fin with Inner Grooved Copper Tube						
	<b>Fan Type</b>	Propeller (Vertical Discharge)(Direct Drive)						
<b>Fan Set</b>	<b>Quantity</b> (Set)	1			2			
	<b>Type</b>	Scroll						
<b>Compressor</b>	<b>Refrigerant</b>	R410A (Holding Charge)						
	<b>Circuit of Refrigerant</b>	1					2	
	<b>Quantity</b> (PCS.)	1					2	
<b>Pipe Connection</b>	<b>Suction Line</b> (Inch)(OD)	7/8	1/2			1-1/8		1-1/8 (x2)
	<b>Liquid Line</b> (Inch)(OD)					5/8	1/2 (x2)	
<b>Dimension (WxDxH)</b> (mm.)		800x750x945			1,500x750x945		2,140x1,140x1,165	



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