UNI-Aire®
Air Conditioning Experts

THAILAND ENERGY AWARDS 2015
CREATIVE ENERGY CATEGORY

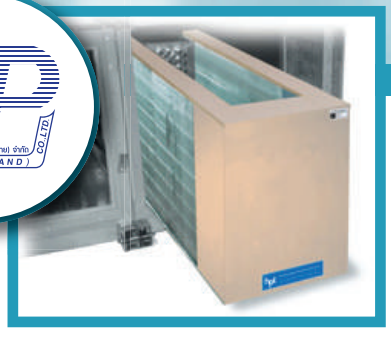
R32

Eco Fresh Air Unit

Control humidity, reduce CO_2
Clean air, energy-saving.

FHH Series

DFHH Series

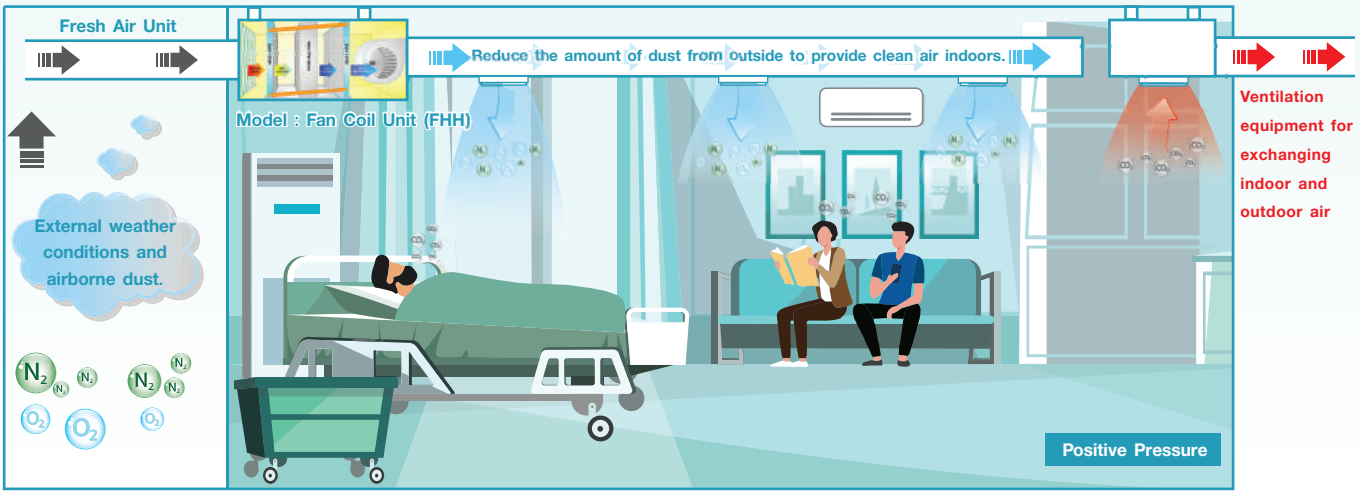


HEAT PIPE TECH (THAILAND) CO.,LTD.

Heat Pipe : Energy-saving Dehumidification Equipment

- Remove humidity from air with NO external energy needed
- Maintenance-free, No moving part
- Licensed from Heat Pipe Technology (U.S.A)

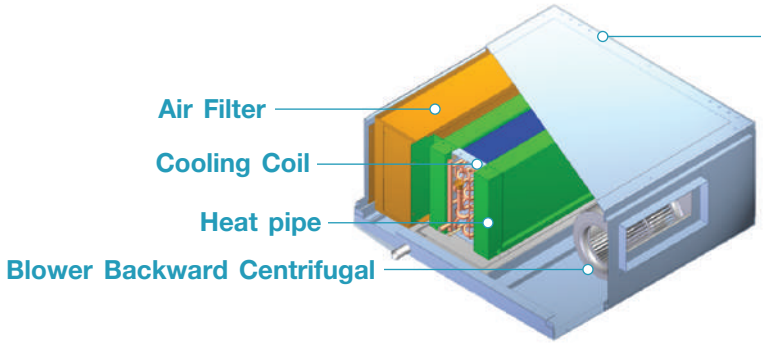
Eco Fresh Air Unit



Designed for installation in indoor areas only (for outdoor installation, please consult the manufacturer).

1. Inject air into the room by installing an OAU system with a filter to capture dust.
2. Install a heat pipe with the OAU unit to control humidity in the air, ensuring cleanliness and energy savings for the OAU.
3. The clean air injected will create a positive pressure in the room, pushing dust out of the room.
4. Reduce the amount of carbon dioxide within the building.

Fan coil unit model FHH & DFHH

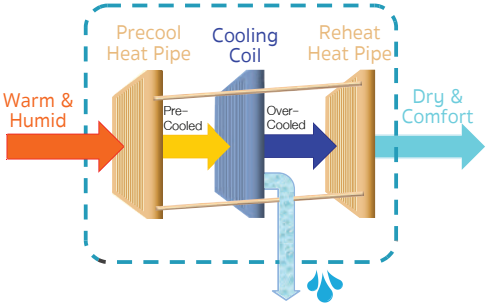


Casing (available in both options)

-Single Skin chassis for model FHH only.

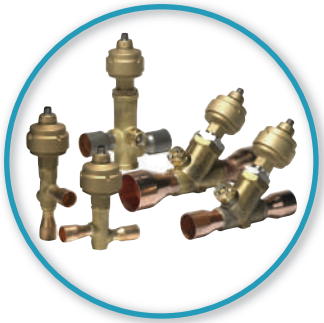
-Double Skin chassis for model DFHH only. helps prevent condensation from forming droplets on the unit's walls, with insulation in between the outer and inner walls

Heat Pipe technology for humidity reduction



- Can control humidity without the involvement of electrical energy
- It is a closed system that is easy to manage and maintain

Electronic Expansion Valve



Responds well and accurately to the operating system with an automatic valve opening and closing mechanism

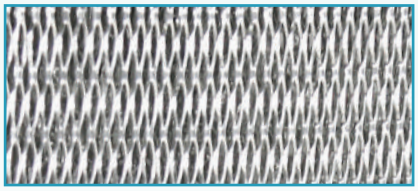
Centrifugal Blower

Forward
(12,000-36,000 BTU/Hr)
quiet

Backward
(48,000-60,000 BTU/Hr)
Suitable for medium dust work

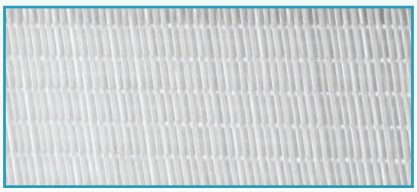
- Can withstand high pressure (External Static value 0.5 in.Wg)
- Can deliver air through ducts over long distances (depending on duct design)

Filter



Aluminium Filter
for basic dust filtration, easy to clean

Pre-Filter (Class G4)
Effective in filtering dust particles sized from 3.0 to 10 microns, with an average efficiency of up to 90%



Medium-Filter (Class F8)
Effective in filtering dust particles sized from 0.3 to 1.0 microns, with an average efficiency of up to 98%

Remote Control

wired digital remote control

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

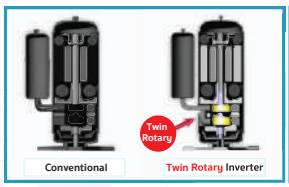
The digital remote control cable can be up to 4 meters long

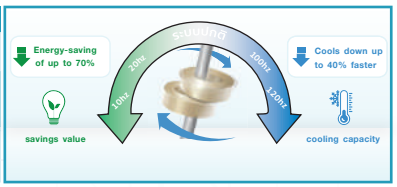
Power ON/OFF
The POWER button is used to turn the air-conditioner on and off

Speed Fan
The Speed Fan button controls a high-capacity blower motor with three speed settings (for models 13,000-36,000 BTU/Hr).
(Speed adjustment is not available for models 48,000-60,000 BTU/Hr.)

Temp
Temp
The Temp button allows you to increase or decrease the temperature and displays the set temperature on the remote control screen

Condenser unit Model : AFIX





Scroll Inverter (48,000-60,000 BTU/Hr)
- Has a longer lifespan due to the scroll compressor design, resulting in less movement.
- Operates more quietly with an inverter system that allows for independent speed adjustments.
- Maintains a stable indoor temperature

Twin Rotary Inverter (model 13,000-36,000 BTU/Hr)
- The twin rotary compressor technology allows for faster suction and compression of refrigerant.
- It has a wider frequency range of 10Hz - 120Hz, allowing operation up to 120Hz, resulting in cooling that is 40% faster compared to the traditional frequency range of 20Hz-100Hz

DC Fan Motor
- Affects responsiveness for quicker operation.
- Operates more quietly compared to AC motors.
- Offers higher efficiency compared to AC motors

Hi-low Pressure Switch
- Helps prevent damage to the compressor by measuring the refrigerant pressure to stay within set limits.
- Provides good and accurate responsiveness to the operating system with an automatic valve opening and closing mechanism

Refrigerant R32 (Fully Charge)
- Contributes to a lower greenhouse effect (GWP value of 675).
- Low boiling point enhances cooling efficiency (-52°C).
- Has an ozone depletion potential of 0, making it environmentally friendly (ODP value of 0)

Inner groove Copper Tube
- The copper pipes are designed with an internal spiral structure to enhance heat exchange efficiency

Condenser unit model: AFIX Series

With International standard quality guaranteed by customers over 70 countries

Casing made from high-quality sheet metal, coated with anti-oxidation white color. Durable with great heat rejection performance from advanced aerodynamic fan design, Compact size for easy installation in small spaces.

SPECIFICATION MODEL : FHH,DFHH / AFIX							
Nominal Cooling Capacity		(BTU/Hr)	12,000	24,000	36,000	48,000	60,000
Power Consumption		(kW)	1.12	2.24	3.04	4.41	5.59
Power Supply		(Volt/Phase/Hz)	220/1/50			380/3/50	
Air Flow		(CFM)	150	300	450	600	750
External Static Pressure (ESP.)		(In.Wg.)	0.5				
Fan Coil Unit	Model	Single Skin Panel	FHH-12-DX	FHH-24-DX	FHH-361-DX	FHH-483-DX	FHH-603-DX
		Double Skin Panel	DFHH-12-DX	DFHH-24-DX	DFHH-361-DX	DFHH-483-DX	DFHH-603-DX
	Type		Duct Type				
Fan Type			Centrifugal Forward Curve (Direct Drive)			Centrifugal Backward Curve (Belt Drive)	
Motor Power Output			250 Watt			1/2 HP	
Evaporator Coil Type			Aluminium Louver Fin With Inner Groover Copper Tube				
Expansion Device			Electronic Expansion Valve (EEV.)				
Dehumidifier Type			Heat Pipe				
Control Type			Digital Wired Remote Control				
Air Filter			Aluminium Filter				
			Pre Filter “G4”(Media : Synthetic)				
			Medium Filter “F8”(Media : Fiberglass)				
Dimension : FHH	Width	(mm.)	684	803		985	
	Length	(mm.)	1,058			1,380	
	Height	(mm.)	359	449		525	
Weight : FHH		(Kgs.)	48	55	60	72	75
Dimension:DFHH	Width	(mm.)	708	850		1,000	
	Length	(mm.)	1,267	1,254		1,420	
	Height	(mm.)	444	538		618	
Weight : DFHH		(Kgs.)	53	61	66	79	83
Condensing Unit	Model		AFIX-13-FL	AFIX-25FL	AFIX-361FL	AFIX-503FB	AFIX-603FB
	Type		Horizontal Air Flow				
Fan Type			Propeller Fan				
Condenser Coil Type			Aluminium Louver Fin With Inner Groover Copper Tube				
Compressor Type			Twin Rotary “Inverter”			Scroll “Inverter”	
Refrigerant Type			R-32 (Fully Charge)				
Pipe Connection	Suction Line	(Inch)(OD)	1/2	5/8	3/4		
	Liquid Line	(Inch)(OD)	3/8			1/2	
Dimension	Width	(mm.)	944				
	Depth	(mm.)	380				
	Height	(mm.)	632	784	936	1,140	
Weight		(Kgs.)	40	61	72	91	96

Capacity base on entering air temp. 35 °CDB / 28.3 °CWB on evaporator coil and 35 °CDB on condenser coil.

Specifications are subjected to change without notice for future improvement.

*EUROVENT CERTIFIED FOR MODEL DAHH ONLY.

ISO 9001
ISO 14001
ISO 45001
ISO 14064-1

ISO/IEC17025

TIS. 2134
TIS.1529

TIS 17025

THAILAND TRUSTED QUALITY

TLS.8001

Made in Thailand

Green Industry

Quality Product Manufacture by Member of The Federation of Thai Industries

THAILAND ENERGY AWARDS

PRIME MINISTER'S AWARD
- BEST THAI BRAND
- BEST EXPORTER
- GREEN INNOVATION

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