

Eco Fresh Air Unit Fan Coil Unit (FHI)

FHI Series

DFHI Series

- Helps reduce the amount of carbon dioxide in buildings according to the air circulation rate inside the building.
- Supports dust filtration from 0.3 to 1.0 microns, with an average efficiency of 98%.
- Energy-efficient with an Inverter system.

Eco Fresh Air Unit



*Designed for installation in indoor areas only. (In case of installation outside the building Ask the manufacturer)

1. Air is added into the room by installing an OAU system with a filter to trap dust particles.
2. The fresh air introduced creates a positive pressure in the room, pushing the dust inside the room out to the outside.
3. Reduces the amount of carbon dioxide within the building.

Fan coil unit Model : FHI & DFHI (Casing You can choose both types.)



- Single Skin body,
only FHI model.



- Double Skin body, only DFHI model.
Helps prevent condensation on the walls.
of the machine with insulation in the middle
between the walls, outside and inside

Centrifugal Blower



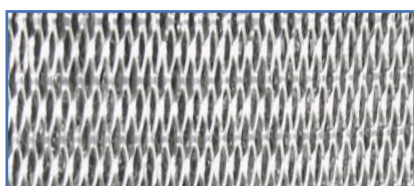
Forward
(12,000-36,000 BTU/Hr)
The sound is quiet.



Backward
(48,000-60,000 BTU/Hr)
Use with work with moderate dust

- Supports high pressure (External Static value of 0.5 in.Wg).
- Capable of delivering airflow through ducts over long distances (depending on the duct)

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Aluminium Filter
Basic dust filtration
Can be easily washed and cleaned



Pre-Filter (Class G4)
Effective in filtering dust particles
Sizes range from 3.0-10 microns
to 90% on average.



Medium-Filter (Class F8) (Option)
Effective in filtering dust particles
Sizes range from 0.3-1.0 microns
to 98% on average.

Thermostat

Digital wired thermostat

Display temperature with digital glowing numbers. Modern design, beautiful, easy to use. Can receive signals from a wireless remote.



Power ON/OFF

POWER : Press to turn on and turn off the air conditioner.



Speed Fan

Speed Fan, high-power air motor, adjustable control

3 levels of wind speed (Model : 13,000-36,000 BTU/Hr)

(The wind speed cannot be adjusted in this model.

48,000-60,000 BTU/Hr)

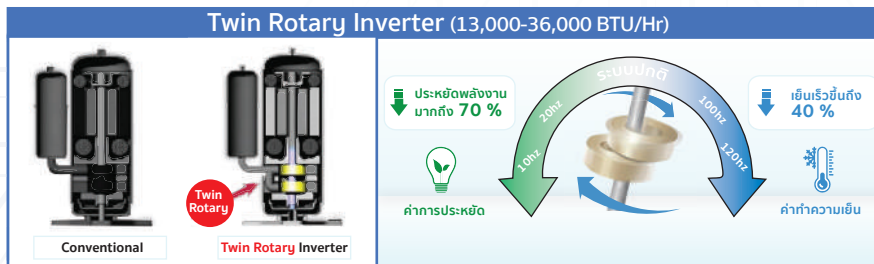


Temp

Temp can be pressed to increase and decrease the temperature, display the temperature. set on the remote control screen.

****Digital remote control cable maximum length is 4 meters.**

Condensing Unit Model : AFI



- With the technology of twin rotary compressors, Suction and compress refrigerant more quickly.
- Has a wider frequency range of 10Hz - 120Hz, accelerating work. Up to 120 Hz, resulting in fast cooling of up to 40%. Compared to the traditional frequency range of 20Hz-100Hz

- Has a longer lifespan with characteristics
- Compressing the refrigerant in a spiral manner creates little movement
- The machine works quieter by working at It is an inverter system that adjusts the cycle. work independently
- The temperature inside the room remains constant.



Refrigerant R32 (Fully Charge)

- Has little impact on the greenhouse effect (GWP value is 675)
- Low boiling point makes it more effective in cooling (-52C °C)
- Has the ability to destroy ozone equal to 0, so it is friendly. To the environment (ODP value equal to 0)



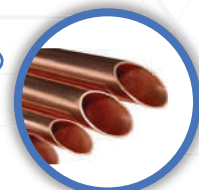
DC Fan Motor

- Affects quick response to work
- The working sound is quieter compared to electric motors. Alternating current (AC Motor)
- Higher working efficiency compared to motors Alternating current (AC Motor)



Hi-low Pressure Switch

- Helps prevent damage that will occur to the computer-compressor by measuring the pressure of the liquid so that it is not high or lower than the set value.
- There is a good response to the working system, and precise with a system that automatically opens and closes the valve



Inner groove Copper Tube

- The copper pipe used is spiral-shaped to help increase Heat exchange efficiency

Condensing Unit Model : AFI Series

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

**PHYSICAL & ELECTRICAL DATA****SPECIFICATION MODEL : FHI, DFHH / AFI**

Fan Coil Unit	Single Skin Panel	FHI-12	FHI-24	FHI-36		FHI-48	FHI-60
	Double Skin Panel	DFHI-12	DFHI-24	DFHI-36		DFHI-48	DFHI-60
Norminal Cooling Capacity	BTU/Hr	12,000	24,000	36,000		48,000	60,000
Power Consumption	kW.	1.24	2.09	3.87	3.85	4.50	5.00
Rated Air Flow at High Speed	CFM.	150	300	450		600	750
	Type	Duct Type					
External Static Pressure	in.Wg	0.5					
Power Supply	Volt/Phase/Hz	220 / 1 / 50			380 / 3 / 50		
Fan	type	Direct Drive With DC Motor				Belt Drive With AC Motor	
Motor	Quantity	1					
	Power Output	190 W	250 W			1/2 HP	
	Speed Motor	3 Speed				1 Speed	
Control	Type	Digital Wired Remote Control					
Evaporator Coil	Type	Aluminium Louver Fin With Inner Groover Copper Tube					
Filter	Type	Medium-Filter (F8) (Option)					
		Pre-Filter(G4)					
		Aluminium Filter					
Dimension (Single Skin Panel)	Width (mm.)	680	650			985	
	Length (mm.)	800	1,020			1,340	
	Height (mm.)	300	450			525	
Dimension (Double Skin Panel)	Width (mm.)	817	787			1,122	
	Length (mm.)	660	880			1,200	
	Height (mm.)	393	543			618	
Weight	Kgs.	48	55	60		72	75
Condensing Unit Model		AFI-13FL	AFI-25FL	AFI-361FL	AFI-363FL	AFI-503FB	AFI-603FB
	Type	Horizontal Air Flow					
Compressor	Type	Rotary				Scroll	
Power Supply	Volt/Phase/Hz	220 / 1 / 50			380 / 3 / 50		
Fan	Type	Propeller Fan With DC Motor					
Motor	Quantity	1				2	
	Power Output	72	137	171		72	
Condenser Coil	Type	Aluminium Louver Fin With Inner Groover Copper Tube					
Refrigerant	Type	R-32 (Fully Charge)					
Expansion Device	Type	Electronic Expansion Valve					
Connection	Suction (Inch)	1/2	5/8	3/4			
	Liquid (Inch)	3/8				1/2	
Dimension	Width (mm.)	944					
	Length (mm.)	632	784	936		1,140	
	Height (mm.)	410					
Weight	Kgs.	38	54	74		114	

Based on : Outdoor temp. 35 °CDB / 25.5 °CWB Supply air temp. 20 °CDB

**Eurovent certified for mode DAHH only.



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