

Ceiling & Floor



Two installation options are available: horizontally against the ceiling or vertically against the floor/wall, idea for wide rooms with no ceilings.

Key Features

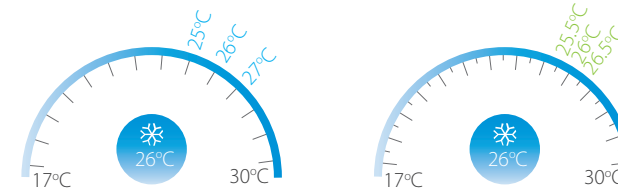
Ceiling & Floor	DC Series	AC Series
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	7+auto
	Multiple steps vertical swing	5+auto
	Horizontal swing	●
Easy installation	Pure white stylish panel with slim design	●
	Exposed installation, easy installation and maintenance	●
	Two installation options	●

Note:
●: equipped as standard

COMFORT

0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



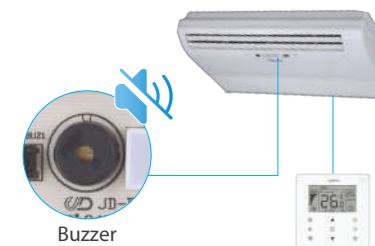
Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

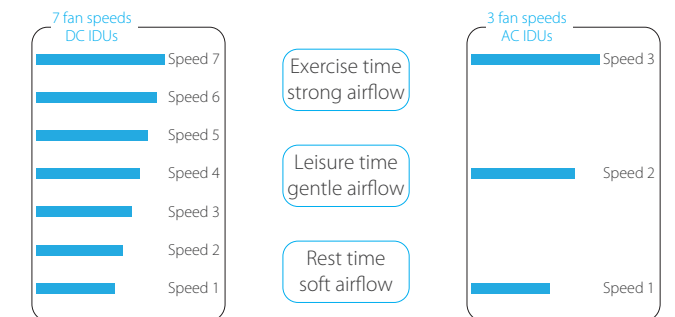
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



AIR FLOW

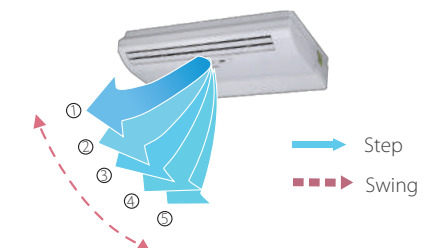
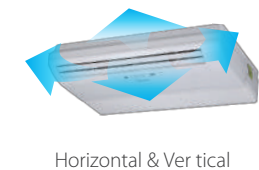
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing and Horizontal Swing

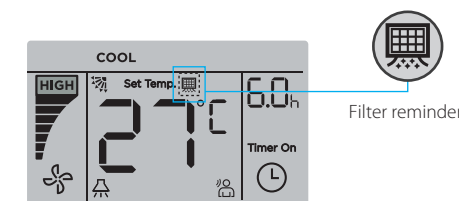
Vertical air flow direction can be adjusted 5 steps and horizontal air flow direction can be adjusted manually, both vertical and horizontal can be set auto swing.



HEALTH

Dirty Filters Indicator Signal

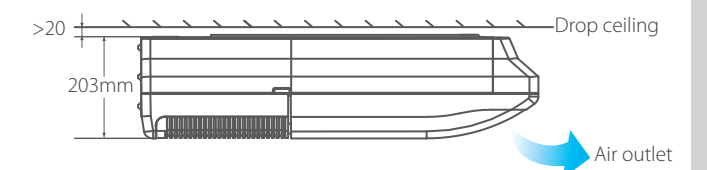
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



EASY INSTALLATION

Pure White Stylish Panel with Slim Design

Pure white stylish panel with slim design, perfect fusion in all kinds of decoration.



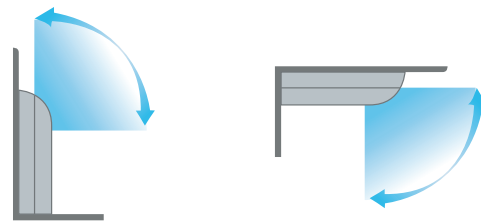
Exposed Installation, Easy Installation and Maintenance

The Ceiling & Floor unit is exposed installation, it is easy installation and maintenance. It can be serviced through the bottom of the machine, easy to access the key components of the unit.



Two Installation Options

A sleek design suits installation either on the ceiling or floor, providing flexibility to accommodate a wide range of room designs.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

Specifications - DC Series

Model			IU-36DLRFMD	IU-45DLRFMD	IU-56DLRFMD	IU-71DLRFMD
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
Heating ²	Capacity	kW	4	5	6.3	8
		kBtu/h	13.6	17.1	21.5	27.3
Indoor fan motor	Type		DC			
	Quantity		1			
Refrigerant type			R410A			
Airflow rate ³		m ³ /h	550/525/500/480/460/440/420		800/750/700/650/600/550/500	
		CFM	324/309/294/283/271/259/247		471/441/412/383/353/324/294	
Sound pressure level ⁴		dB(A)	40/39/38/38/37/36/36		43/42/41/41/39/38/38	
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	990×660×203(38-31/32×25-63/64×7-63/64)			
	Packing (WxHxD)	mm (inch)	1089×744×296(42-7/8×29-19/64×11-21/32)			
	Net/Gross weight	kg (lbs)	27/33(59.4/72.6)		28/34(61.6/74.8)	
Pipe connections	Liquid pipe	mm (inch)	Φ6.35(1/4)		Φ9.53(3/8)	
	Gas pipe	mm (inch)	Φ12.7(1/2)		Φ15.9(5/8)	
	Drain pipe	mm (inch)	OD Φ16(5/8)			

Model			IU-80DLRFMD	IU-90DLRFMD	IU-112DLRFMD	IU-140DLRFMD	IU-160DLRFMD
Power supply			1 phase, 220-240V, 50/60Hz				
Cooling ¹	Capacity	kW	8	9	11.2	14	16
		kBtu/h	27.2	30.7	38.2	47.8	54.6
Heating ²	Capacity	kW	9	10	12.5	15	18
		kBtu/h	30.7	34.1	42.7	51.2	61.4
Indoor fan motor	Type		1		2		
	Quantity		1		2		
Refrigerant type			R410A				
Airflow rate ³		m ³ /h	1280/1245/1210/1170/1130/1085/1050		1890/1830/1765/1700/1660/1620/1580		2300/2240/2180/2100/2005/1950/1800
		CFM	753/733/712/689/665/639/618		1112/1077/1039/1001/977/953/930		1354/1318/1283/1236/1180/1148/1059
Sound pressure level ⁴		dB(A)	45/44/43/43/42/41/40		47/46/45/45/44/43/42		50/49/48/47/46/45/44
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	1280×660×203(50-25/64×25-63/64×7-63/64)		1670×680×244(65-3/4×26-49/64×9-39/64)		
	Packing (WxHxD)	mm (inch)	1379×744×296(54-19/64×29-19/64×11-21/32)		1915×760×330(75-25/64×29-59/64×12-63/64)		
	Net/Gross weight	kg (lbs)	35/41(77/90.2)		48/58(105.6/127.6)		
Pipe connections	Liquid pipe	mm (inch)	Φ9.53(3/8)				
	Gas pipe	mm (inch)	Φ15.9(5/8)				
	Drain pipe	mm (inch)	OD Φ16(5/8)				

Notes:

- Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Each model's 7 airflow rate options are listed in order, from highest to lowest.
- Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
Floor standing: Sound pressure level is measured 1m (3.28ft) in front and 1m (3.28ft) above the floor in a semi-anechoic chamber.
Ceiling mounted: Sound pressure level is measured 1m (3.28ft) in front and 1m (3.28ft) below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Fresh Air Processing Unit



Integrated with ventilation and air processing, combining fresh air treatment and air conditioning via single system.

Key Features

Fresh Air Processing Unit	DC Series with large airflow	DC Series with small airflow
Comfort	100% fresh air processing unit	●
	Discharge Air temperature control	●
	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
Health	Air filter	○ (G3-class)
	Dirty filters indicator signal	●
Air flow	Adjustable ESP	20-steps
	Multiple fan speeds	7+auto
Easy installation	Wide operation range	-10~43°C
	Flexible duct design	●
	High-lift water pump box	○

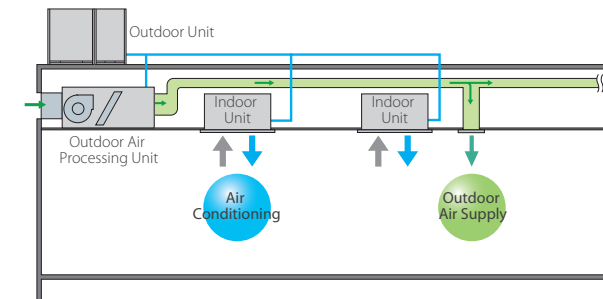
Note:
●: equipped as standard; ○: customization option;

COMFORT

100% Fresh Air Processing Unit

Both fresh air filtration and heating/cooling can be achieved in a single system.

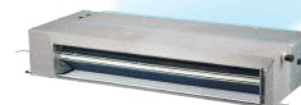
Indoor units and the Fresh Air Processing Unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



Discharge Air Temperature Control

Different from the normal indoor unit adopts return air temperature control, the fresh air processing unit adopts discharge air temperature control, thereby reducing the air conditioning load.

Target return air temperature control



Target discharge air temperature control

Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Digital display

Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



Buzzer

HEALTH

Optional G3-class Air Filter

G3-class filter is optional for Fresh Air Processing Unit installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μm), creating a cleaner living environment.

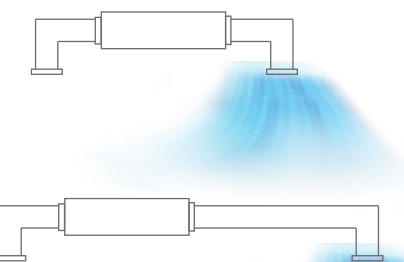


The optional filter comply with EN779:2012

AIR FLOW

Static Pressure 20 Steps Control

Depending on the installation environment, Medium Static Pressure Duct is controlled the static pressure up to 20 steps via wired remote controller, for providing comfortable environment suitable for any environment.



Constant airflow discharge

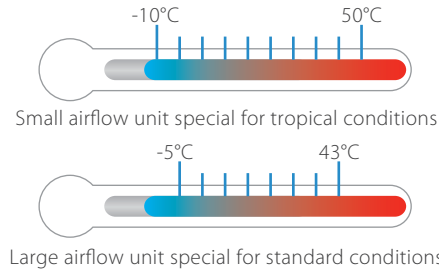


20 steps static pressure control

EASY INSTALLATION

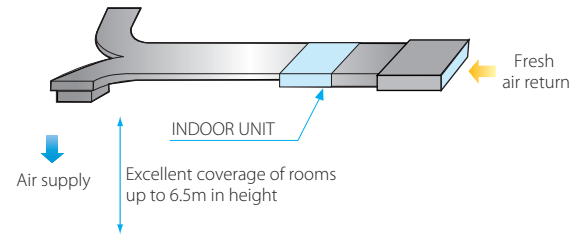
Wide Operation Range

The Fresh Air Processing Unit can be installed practically anywhere. The unit operates at outdoor ambient up to 50°C in cooling mode and down to -10°C in heating mode.



Flexible Duct Design

Fresh Air Processing Unit supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Specifications - DC Series (with large airflow)

Model	IU-125FARFMD		IU-140FARFMD	
Power supply	1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	12.5	14
		kBtu/h	42.7	47.8
Heating ²	Capacity	kW	10.5	12
		kBtu/h	35.8	40.9
Indoor fan motor	Type	DC		
	Quantity	1		
Refrigerant type	R410A			
Airflow rate ³	m ³ /h	2000/1917/1833/1750/1667/1583/1500		
	CFM	1177/1128/1079/1030/981/932/883		
External static pressure	Pa	150 (100~250)		
Sound pressure level ⁴	dB(A)	48/47/46/45/44/43/42		
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	1322x423x691(52-3/64x16-21/32x27-13/64)	
	Packing (WxHxD)	mm (inch)	1436x450x768(56-17/32x17-23/32x30-15/64)	
	Net/Gross weight	kg (lbs)	68/76(149.6/167.2)	
Pipe connections	Liquid pipe	mm (inch)	Φ9.53(3/8)	
	Gas pipe	mm (inch)	Φ15.9(5/8)	
	Drain pipe	mm (inch)	OD Φ25(63/64)	

Model	IU-200FARFMD	IU-250FARFMD	IU-280FARFMD	IU-450FARFMD	IU-560FARFMD		
Power supply	1 phase, 220-240V, 50/60Hz						
Cooling ¹	Capacity	kW	20	25	28	45	56
		kBtu/h	68.2	85.3	95.5	153.5	191.1
Heating ²	Capacity	kW	12.8	16	18	28	39
		kBtu/h	43.7	54.6	61.4	95.5	133.1
Indoor fan motor	Type	DC					
	Quantity	1					
Refrigerant type	R410A						
Airflow rate ³	m ³ /h	3000/2833/2667/2500/2333/2167/2000			4200/3967/3733/3500/3267/3033/2800	6000/5665/5330/5000/4665/4330/4000	
	CFM	1766/1667/1570/1471/1373/1275/1177			2472/2335/2197/2060/1923/1785/1648	3531/3334/3137/2943/2746/2549/2354	
External static pressure	Pa	200 (100~400)			300 (100~400)		
Sound pressure level ⁴	dB(A)	50/49/48/47/46/44/43			58/56/55/53/51/49/48	59/57/56/55/53/51/50	
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	1454x515x931(57-1/4x20-9/32x36-21/32)		2010x905x680(79-9/64x35-5/8x26-49/64)		
	Packing (WxHxD)	mm (inch)	1509x550x990(20-3/64x21-21/32x38-31/32)		2095x929x689(82-31/64x36-37/64x27-1/8)		
	Net/Gross weight	kg (lbs)	130/142(286.0/312.4)		195/215(429/473)	218/248(479.6/545.6)	
Pipe connections	Liquid pipe	mm (inch)	Φ12.7(1/2)		Φ15.9(5/8)		
	Gas pipe	mm (inch)	Φ22.2(7/8)		Φ28.6(1-1/8)		
	Drain pipe	mm (inch)	OD Φ32(1-1/4)				

Notes:
 1. Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 2. Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 3. Each model's 7 airflow rate options are listed in order, from highest to lowest.
 4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
 Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
 5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
 All specifications are measured at standard external static pressure.
 The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

Specifications - DC Series (with small airflow)

Model	IU-140FARFMD		IU-224FARFMD		IU-280FARFMD	
Power supply	1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	14	22.4	28	
		kBtu/h	47.8	76.4	95.5	
Heating ²	Capacity	kW	8.9	13.9	17.4	
		kBtu/h	30.4	47.4	59.4	
Indoor fan motor	Input	W	20	25	25	
		W	150	250	300	
Refrigerant type	Type	DC				
	Quantity	1				
Airflow rate ³	m ³ /h	1080/1035/990/945/900/855/810		1680/1583/1487/1390/1293/1197/1100		2100/2030/1960/1890/1820/1750/1680
		CFM	636/609/583/556/530/503/477		989/932/875/818/761/705/647	
External static pressure	Pa	180 (30~250)		220 (100~350)		200 (100~400)
Sound pressure level ⁴	dB(A)	42/41/40/39/38/37/36		47/46/45/44/43/42/40		47/46/45/44/43/42
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	1150x457x970(45-9/32x17-63/64x38-3/16)		1270x490x1100(50x19-19/64x43-5/16)	
	Packing (WxHxD)	mm (inch)	1285x470x1095(50-19/32x18-1/2x43-7/64)		1415x515x1235(55-45/64x20-9/32x48-5/8)	
	Net/Gross weight	kg (lbs)	67/80(147.4/176.0)		81/97(178.2/213.4)	
Pipe connections	Liquid pipe	mm (inch)	Φ9.5(Φ3/8)		Φ12.7(Φ1/2)	
	Gas pipe	mm (inch)	Φ15.9(Φ5/8)		Φ22.2(Φ7/8)	
	Drain pipe	mm (inch)	OD Φ25(63/64)		OD Φ33(1-1/4)	

Notes:
 1. Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
 2. Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
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