

Medium Static Pressure Duct



Slim, compact design for limited space with duct distribution to the indoor space.

Key Features

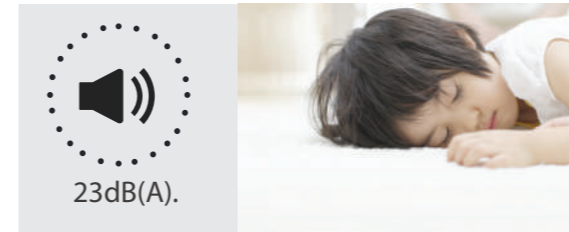
Medium Static Pressure Duct	DC Series	AC Series
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	○ (G3-class)
	Innovative puro-air kit	●
	Fresh air intake	●
	Dirty filters indicator signal	●
Air flow	Adjustable ESP	10-steps
	Multiple fan speeds	7+auto
Easy installation	Compact size	●
	Stylish air discharge panel	○ (17 to 71)
	Flexible air inlet port installation	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm

Note:
● equipped as standard; ○ customization option; × without this function

COMFORT

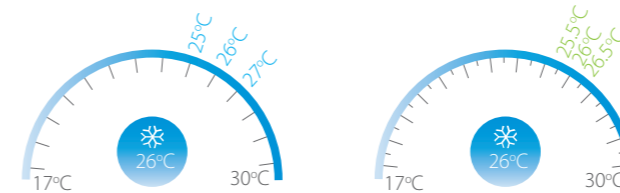
Quiet Operation

The Medium Static Pressure Duct indoor unit utilizes centrifugal blowers, reducing noise levels to as low as 23dB(A), and is an excellent choice for hotels and other noise-sensitive locations.



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 and Buzzer Sound On/Off

Indoor unit displays can be shut off at night and buzzer sound can be set off to not disturb the user, creating a better environment for rest.



HEALTH

Optional G3-class Air Filter

G3-class filter is optional for Medium Static Pressure Duct 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

Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

Puro-Air Kit Protectors of health and safety

OSRAM From Germany -OSRAM quality UV light source

1st The world's first air conditioning sterilization product certification

99.9% Effective killing rate of white grape fungus

99.9% Effective killing rate of H1N1

98% Effective killing rate of natural bacteria

Ozone -Free
UV leakage-Free

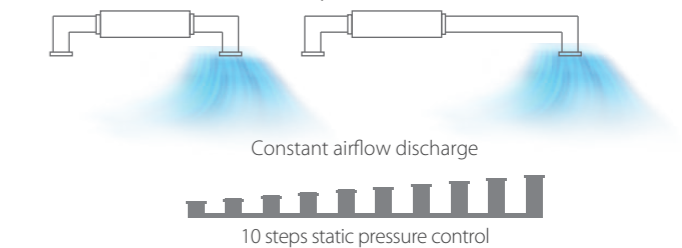
*The indoor unit needs to be customized in order to use the Puro-Air Kit.



AIR FLOW

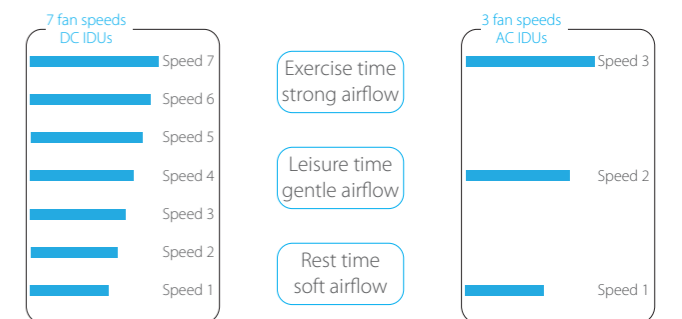
Static Pressure 10 Steps Control

Depending on the installation environment, Medium Static Pressure Duct is controlled the static pressure up to 10 steps via wired remote controller, for providing comfortable environment suitable for any environment.



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.



Specifications - DC Series

Standard Series

Model		IU-22T2RFMD	IU-28T2RFMD	IU-36T2RFMD	IU-45T2RFMD	IU-56T2RFMD	IU-71T2RFMD		
Power supply		1 phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1	
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2	
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3	8	
		kBtu/h	8.2	10.9	13.6	17.1	21.5	27.3	
Indoor fan motor	Type	DC							
	Quantity	1							
Refrigerant type		R410A							
Airflow rate ³	m ³ /h	520/480/440/400/360/330/300	580/540/500/460/430/400/370	800/740/680/620/540/480/400	830/760/720/680/640/600/560	1000/960/900/840/780/720/680			
	CFM	306/283/259/235/212/194/177	341/318/294/271/253/235/218	471/436/400/365/318/283/235	489/447/424/400/377/353/330	589/565/530/494/459/424/400			
External static pressure		Pa							
Sound pressure level ⁴		dB(A)							
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)		780x210x500(30-45/64x8-17/64x19-11/16)		1000x210x500(39-3/8x8-17/64x19-11/16)		1220x210x500(48-1/32x8-17/64x19-11/16)	
	Packing (WxHxD)	mm (inch)		870x285x525(34-1/4x11-7/32x20-43/64)		1115x285x525(43-5/7x64x11-7/32x20-43/64)		1335x285x525(52-9/16x11-7/32x20-43/64)	
	Net/Gross weight	kg (lbs)		18/2139.6/46.2		21.5/25(47.3/55.0)		25.7/30.2(56.5/66.4)	
	Pipe connections	Liquid pipe	mm (inch)		Φ6.35(1/4)		Φ9.53(3/8)		Φ15.9(5/8)
	Gas pipe	mm (inch)		Φ12.7(1/2)					
	Drain pipe	mm (inch)		OD Φ25(63/64)					

Model		IU-80T2RFMD	IU-90T2RFMD	IU-112T2RFMD	IU-140T2RFMD	IU-160T2RFMD			
Power supply		1 phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	8	9	11.2	14	16		
		kBtu/h	27.3	30.7	38.2	47.8	54.6		
Heating ²	Capacity	kW	9	10	12.5	15.5	18		
		kBtu/h	30.7	34.1	42.7	52.9	61.4		
Indoor fan motor	Type	DC							
	Quantity	1							
Refrigerant type		R410A							
Airflow rate ³	m ³ /h	1260/1180/1100/1020/940/860/780	1260/1180/1100/1020/940/860/780	1500/1430/1360/1290/1210/1140/1080	1960/1860/1760/1660/1560/1460/1360	2300/2100/2000/1900/1750/1600/1450			
	CFM	742/695/647/600/553/506/459	742/695/647/600/553/506/459	883/842/800/759/712/671/636	1154/1095/1036/977/918/859/800	1354/1236/1177/1118/1030/942/853			
External static pressure		Pa							
Sound pressure level ⁴		dB(A)							
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)		1230x270x775(48-27/64x10-5/8x30-33/64)		1290x300x865(50-25/32x11-13/16x34-1/16)		1490x300x865(58-21/32x11-13/16x34-1/16)	
	Packing (WxHxD)	mm (inch)		1355x350x795(53-11/32x13-25/32x31-19/64)		1400x375x925(55-1/8x14-49/64x36-27/64)		1605x345x955(63-3/16x13-37/64x37-19/32)	
	Net/Gross weight	kg (lbs)		36.5/44.5(80.3/97.9)		37/45(81.4/99)		46.5/55.5(102.3/122.1)	
	Pipe connections	Liquid pipe	mm (inch)		Φ9.53(3/8)		Φ15.9(5/8)		Φ15.9(5/8)
	Gas pipe	mm (inch)		Φ15.9(5/8)					
	Drain pipe	mm (inch)		OD Φ25(63/65)					

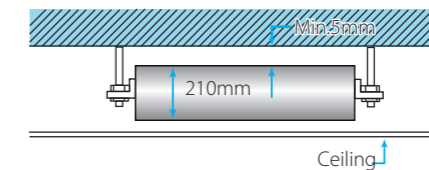
Notes:

- 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). Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- All specifications are measured at standard external static pressure.

EASY INSTALLATION

Compact Size

Models 22 to 71 are just 210mm high whilst models 80 to 112 are 270mm high and model 140 to 160 are 300mm high.



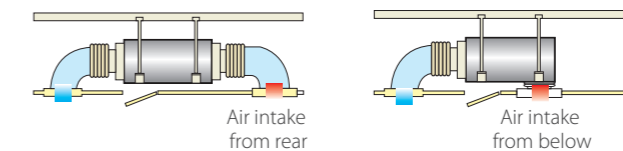
Stylish Air Discharge Panel

Stylish air discharge panel can be integrated with any decoration style (optional for models 17 to 71).



Flexible Air Inlet Port Installation

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the underside or the rear of the unit.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



High Static Pressure Duct



High external static pressure with long duct distribution, ideal for large sized spaces.

Key Features

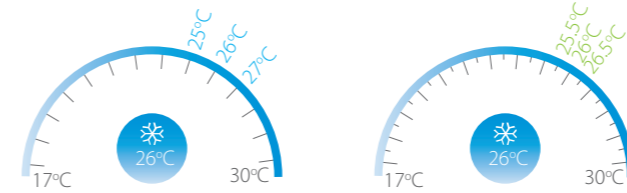
High Static Pressure Duct	DC Series	AC Series
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	○ (G3-class)
	Innovative puro-air kit	○
	Dirty filters indicator signal	●
	Adjustable ESP	20-steps
Air flow	Multiple fan speeds	7+auto
	Easy installation	3+auto
Easy installation	Compact size	●
	Flexible duct design	●
	Double-skin drainage pan	●
	High-lift water pump box	○

Note:
●: equipped as standard; ○: customization option; ×: without this function

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.



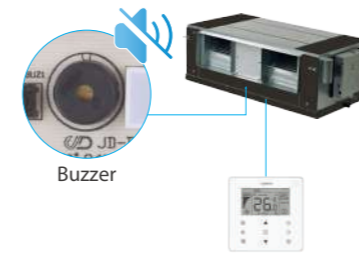
Digital Display On/Off

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.



Optional G3-class Air Filter

G3-class filter is optional for High Static Pressure Duct 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.

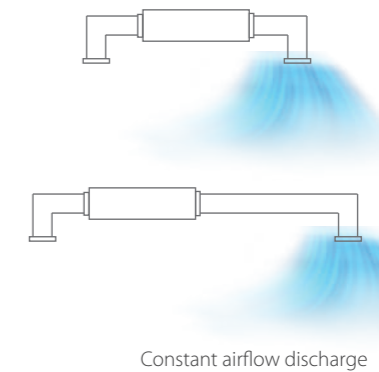


The optional filter comply with EN779:2012

AIR FLOW

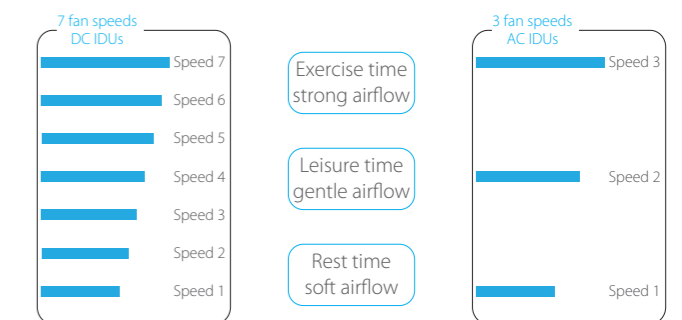
Static Pressure 20 Steps Control

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



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.



HEALTH

Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

Puro-Air Kit Protectors of health and safety

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99.9% Effective killing rate of white grape fungus

99.9% Effective killing rate of H1N1

98% Effective killing rate of natural bacteria

Ozone -Free
UV leakage-Free



*The indoor unit needs to be customized in order to use the Puro-air Kit.

Specifications - DC Series

Model	IU-71T1RFMD	IU-80T1RFMD	IU-90T1RFMD	IU-112T1RFMD	IU-140T1RFMD	IU-160T1RFMD					
Power supply	1-phase, 220-240V, 50/60Hz										
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14	16			
		kBtu/h	24.2	27.3	30.7	38.2	47.8	54.6			
Heating ²	Capacity	kW	8	9	10	12.5	16	17			
		kBtu/h	27.3	30.7	34.1	42.7	54.6	58			
Indoor fan motor	Type	DC									
	Quantity										
Refrigerant type	R410A										
Airflow rate ³	m ³ /h	1360/1327/1293/1260/1227/1193/1160		1420/1373/1327/1280/1233/1187/1140		1870/1783/1697/1610/1523/1437/1350		2240/2133/2027/1920/1813/1707/1600		2660/2530/2400/2270/2140/2010/1880	
	CFM	800/781/761/742/722/702/683		836/808/781/753/726/699/671		1101/1049/999/948/896/846/795		1318/1255/1193/1130/1067/1005/942		1566/1489/1413/1336/1260/1183/1107	
External static pressure	Pa	100 (30~200)									
Sound pressure level ⁴	dB(A)	42/41/40/40/39/39/38	42/41/40/40/39/39/38	45/44/43/42/41/40/39	48/47/46/45/43/42/41	45/44/43/42/41/40/40	46/45/44/43/42/41/40				
Indoor unit	Dimension ⁵ (WxHxD)	965x423x690(37-63/64x16-21/32x27-11/64)				1322x423x691(52-3/64x16-21/32x27-13/64)					
	Packing (WxHxD)	1090x440x768(42-29/32x17-21/64x30-15/64)				1436x450x768(56-17/32x17-23/32x30-15/64)					
	Net/Gross weight	41/47(90.2/103.4)		48/55(105.6/121.0)		68/76(149.6/167.2)					
Pipe connections	Liquid pipe	Φ9.53(3/8)									
	Gas pipe	Φ15.9(5/8)									
	Drain pipe	OD Φ25(63/64)									

Model	IU-200T1RFMD	IU-250T1RFMD	IU-280T1RFMD	IU-400T1RFMD	IU-450T1RFMD	IU-560T1RFMD		
Power supply	1-phase, 220-240V, 50/60Hz							
Cooling ¹	Capacity	kW	20	25	28	40	45	56
		kBtu/h	68.2	85.3	95.5	136.5	153.6	191.1
Heating ²	Capacity	kW	22.5	26	31.5	45	56	63
		kBtu/h	76.8	88.7	107.5	153.6	191.1	215
Indoor fan motor	Type	DC						
	Quantity	2			3			
Refrigerant type	R410A							
Airflow rate ³	m ³ /h	4330/4230/4130/4030/3930/3830/3730			6500/6150/5800/5450/5100/4750/4400		7400/7000/6600/6200/5800/5400/5000	
	CFM	2549/2490/2431/2372/2313/2254/2195			3826/3620/3414/3208/3002/2796/2590		4355/4120/3885/3649/3414/3178/2943	
External static pressure	Pa	170 (30~250)			300 (100~400)			
Sound pressure level ⁴	dB(A)	51/50/50/49/49/48/47			60/59/58/57/55/54/52		59/58/57/56/55/53/51	
Indoor unit	Dimension ⁵ (WxHxD)	1454x515x931(57-1/4x20-9/32x36-21/32)			2010x680x905(79-9/64x26-49/64x35-5/8)			
	Packing (WxHxD)	1509x550x990(59-13/32x21-21/32x38-31/32)			2095x800x964(82-31/64x31-1/2x37-61/64)			
	Net/Gross weight	130/142(286/312.4)			220/245(484/539)		218/248(479.6/545.6)	
Pipe connections	Liquid pipe	Φ12.7(1/2)			Φ15.9(5/8)			
	Gas pipe	Φ22.2(7/8)			Φ28.6(1-1/8)			
	Drain pipe	OD Φ32(1-1/4)						

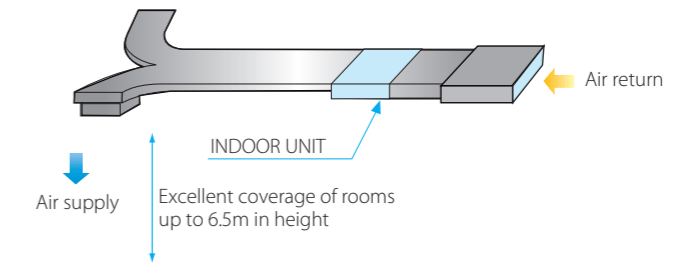
Notes:

- 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). Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
- All specifications are measured at standard external static pressure.

EASY INSTALLATION

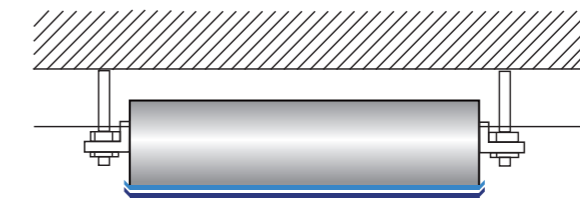
Flexible Duct Design

High Static Pressure Duct supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Double-skin Drainage Pan

A double-skin drainage pan provides double protection for ceilings.



Wall Mounted



Stylish panel, ideal for rooms with no or narrow ceilings.

Key Features

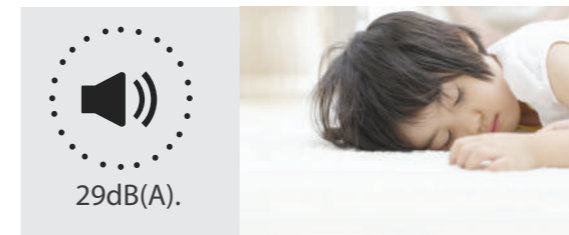
Wall Mounted	DC Series	AC Series	
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Air filter	●	●
	Dirty filters indicator signal	●	●
Air flow	Multiple fan speeds	7+auto	7+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	●	●
	Pure white stylish panel	4 options	4 options
	Exposed installation, no need ceilings	●	●
	Flexible pipe outlet direction	●	●

Note:
●: equipped as standard

COMFORT

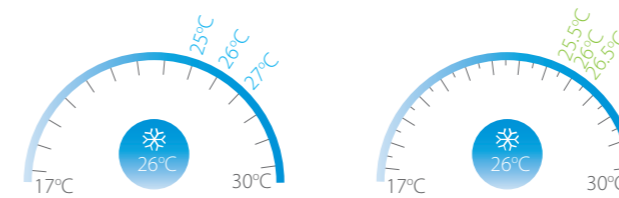
Quiet Operation

The minimum noise level of Wall Mounted is as low as 29dB(A), idea for hotels and other noise-sensitive locations.



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

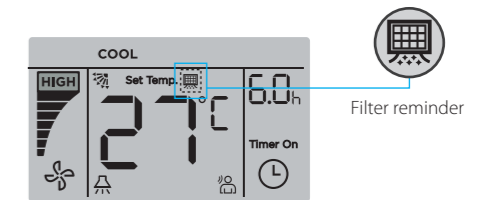
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

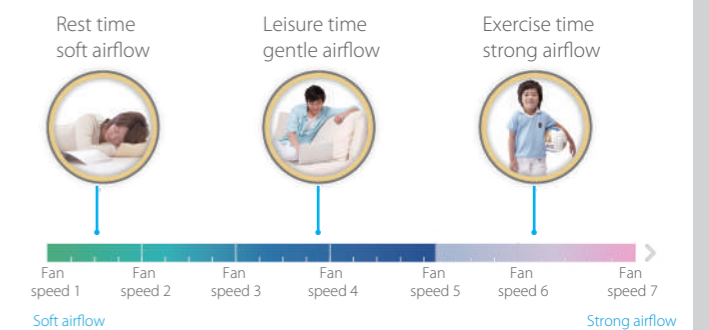
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

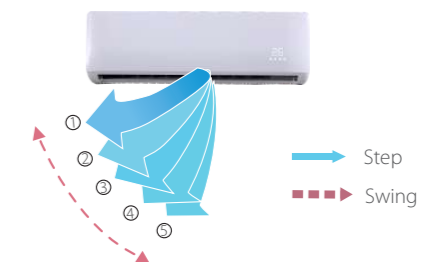
Multiple Fan Speeds

Both DC and AC Series come with 7 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

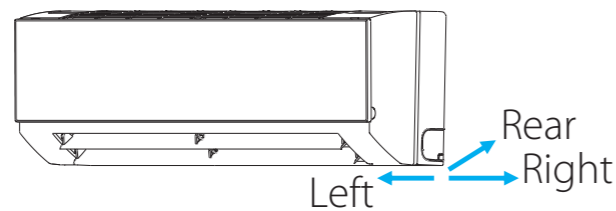
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



EASY INSTALLATION

Flexible Pipe Outlet Direction

Multi-outlet pipe method for both refrigerant pipe and drain pipe: left/right/rear, more flexible for installation.



Exposed Installation, No Need Ceilings

The Wall Mounted can be installed against a wall, no need ceilings, simplifying installation.



Specifications - AC Series

60Hz Series

Model		IU-D22GRFMD	IU-D28GRFMD	IU-D36GRFMD	IU-D45GRFMD	IU-D56GRFMD
Power supply		1 phase, 220-240V, 60Hz				
Cooling ¹	Capacity	kW 2.2	2.8	3.6	4.5	5.6
		kBtu/h 7.5	9.6	12.3	15.4	19.1
Heating ²	Capacity	kW 2.4	3.2	4	5	6.3
		kBtu/h 8.2	10.9	13.6	17.1	21.5
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type		R410A				
Airflow rate (H/M/L)	m ³ /h	446/429/424/409/394 /382/373	457/445/433/421/419 /410/402	447/429/399/369/339 /333/303	648/618/582/563/546 /505/476	798/764/723/691/665 /627/595
	CFM	263/252/250/241/232 /225/220	269/262/255/248/247 /241/237	263/252/235/217/200 /196/178	381/364/343/331/321 /297/280	470/450/426/407/391 /369/350
Sound pressure level ³ (H/M/L)		dB(A)				
Indoor unit	Dimension ⁴ (WxHxD)	835x280x203(32-7/8x11-1/32x8)				990x315x223(38-31/32x12-13/32x8-25/32)
	Packing (WxHxD)	915x353x300(36-1/32x13-57/64x11-13/16)				1075x395x300(42-21/64x15-35/64x11-13/16)
	Net/Gross weight	8.5/11.0(18.7/24.2)	8.5/11.0(18.7/24.2)	9.7/12.2(21.3/26.8)	13.8/16.4(30.4/36.1)	
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)

Model		IU-D71GRFMD	IU-D80GRFMD	IU-D90GRFMD
Power supply		1 phase, 220-240V, 60Hz		
Cooling ¹	Capacity	kW 7.1	8	9
		kBtu/h 24.2	27.3	30.7
Heating ²	Capacity	kW 8	9	10
		kBtu/h 27.3	30.7	34.1
Indoor fan motor	Type	AC		
	Quantity	1		
Refrigerant type		R410A		
Airflow rate (H/M/L)	m ³ /h	1240/1171/1107/1045/976/914/869	1248/1194/1119/1056/993/914/863	1427/1403/1303/1232/1186/1096/1043
	CFM	730/689/652/615/574/538/511	735/703/659/622/584/538/508	840/826/767/725/698/645/614
Sound pressure level ³ (H/M/L)		dB(A)		
Indoor unit	Dimension ⁴ (WxHxD)	mm (inch)		
	Packing (WxHxD)	mm (inch)		
	Net/Gross weight	17.4/20.8(38.3/45.8)	17.6/21.0(38.7/46.2)	17.6/21.0(38.7/46.2)
Pipe connections	Liquid pipe	mm (inch)		
	Gas pipe	mm (inch)		
	Drain pipe	mm (inch)		

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.
- 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.