

Futuristic
Design
Comfort
Control!

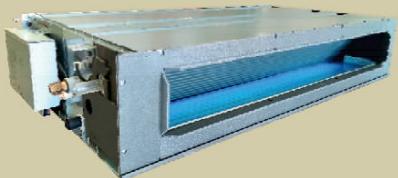


HYBRID⁺

Cassette | Ductable | Tower



Next Generation High Performance Airconditioning



Country of Origin : Thailand





HYBRID⁺

Next Generation High Performance Airconditioning

The PAC range from Mitsubishi Heavy Industries Thermal systems is ideal for air conditioning offices, shops, restaurants, and bars ... as well as other commercial environments. The versatility of the PAC range, offers you a wide selection of models in function of your installation needs. The modern and attractive design of our indoor units is harmoniously integrated in any atmosphere creating a pleasant and relaxing environment.

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CASSETTE



DUCTABLE



TOWER

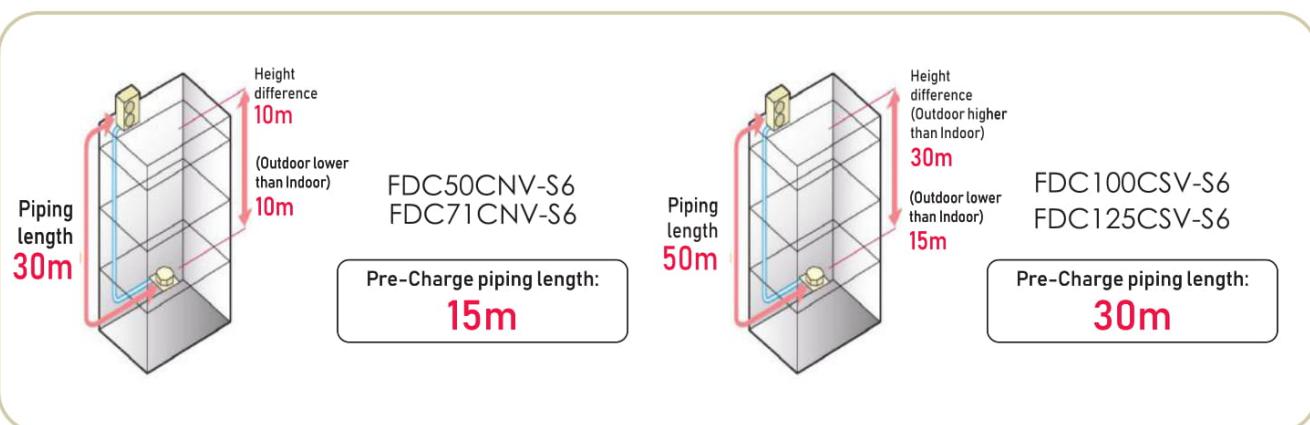
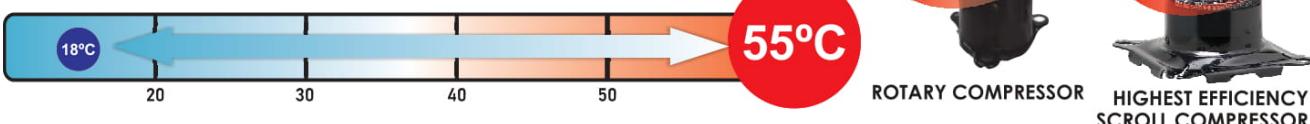


NON - INVERTER PAC

TYPE	CAPACITY				
	Ton Range	1.5	2.0	3.0	3.7
	KW Range	5.0	7.1	10.5	13.0
CASSETTE	Indoor	FDT50CNV-S6	FDT71CNV-S6	FDT100CSV-S6	FDT125CSV-S6
	Outdoor	FDC50CNV-S6	FDC71CNV-S6	FDC100CSV-S6	FDC125CSV-S6
DUCTABLE	Indoor	FDUM50CNV-S6	FDUM71CNV-S6	FDUM100CSV-S6	FDUM125CSV-S6
	Outdoor	FDC50CNV-S6	FDC71CNV-S6	FDC100CSV-S6	FDC125CSV-S6
TOWER	Indoor	-	FDF71CNV-S6	-	FDF125CSV-S6
	Outdoor	-	FDC71CNV-S6	-	FDC125CSV-S6
OUTDOOR UNIT					

Design Condition

Outdoor Temperature





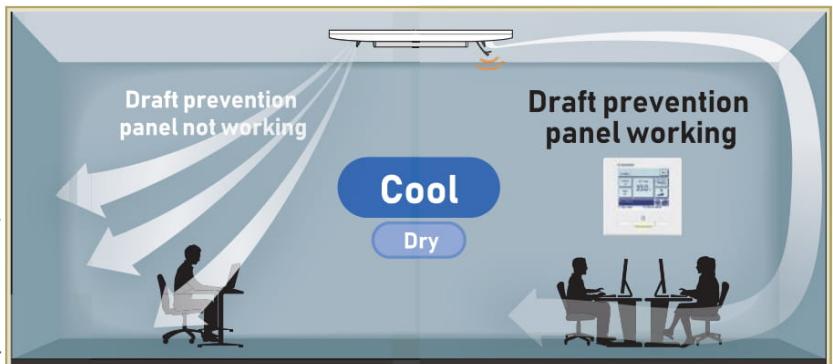
Draft Prevention Panel

(optional)

Maximum comfort with minimal draft

New FDT controls flaps with more flexibility

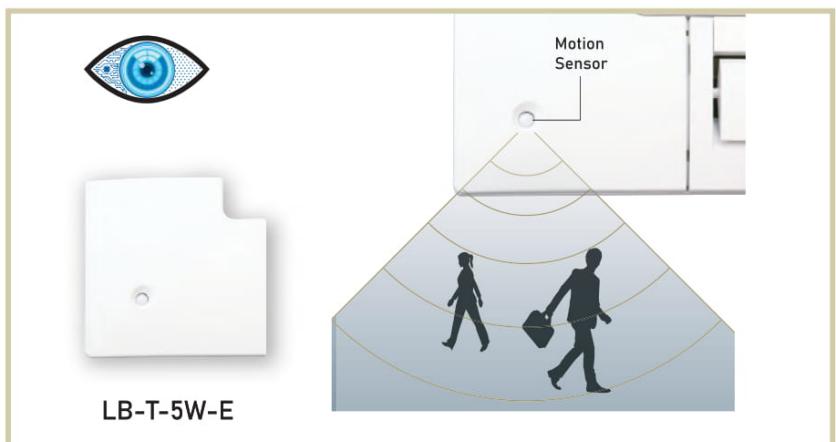
Draft Prevention Panel Prevents cold draft blown directly on the user. It is possible to set Draft Prevention Panel for each air outlet. User can position Draft Prevention Panel panels by using the remote controller only (RC-EX3A, RCN-T-5AW-E2).



Motion Sensor

(optional)

Motion sensor is equipped in the panel corner and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.



Simple use with advanced settings

RC-EX3A

Function Switch

The function switch allows you to select and set two functions that you desire among the seven available functions shown. These functions can be used by simply pressing the button after they are set, allowing you to use your preferable functions immediately.



15min HIGH POWER MODE
High Power Mode achieves excessive cooling / heating capacity for 15 minutes to quickly adjust the room temperature to a comfortable level.

ENERGY SAVING MODE
Temperature is set to optimized to save energy without losing comfort.

QUIET MODE
Outdoor unit starts to operate quietly by activating this mode. The time of this mode can be set in conjunction with Indoor Silent Timer.

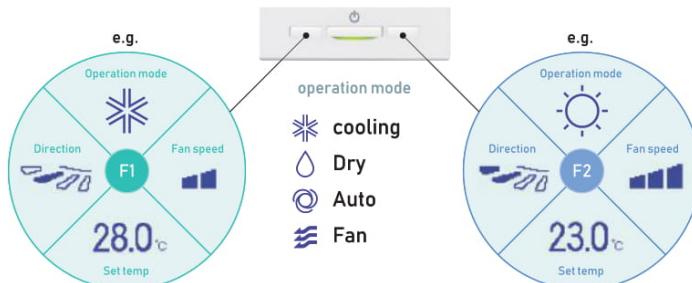
HOME LEAVE MODE
Home leave mode maintains the room temperature at a moderate level.

FAVOURITE MODE
Operation mode, set temperature, fan speed and air flow direction are automatically adjusted to the programmed favorite setting.

FITTER SIGN
Announces the due time for cleaning the air filter.

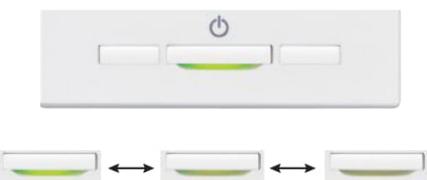
Favourite Mode

Operation mode, set temperature, fan speed and air flow direction are memorized and allocated to two buttons that can be operated by one touch.



Adjustable Brightness of the Operation Lamp

The brightness of the operation lamp behind Run/Stop switch can be adjusted by 10 stages.



Draft Prevention Setting

(only FDT series)

User can enable/disable the motion of panel with anti draft for each blow outlet for each operation mode. This function can be set while operating.

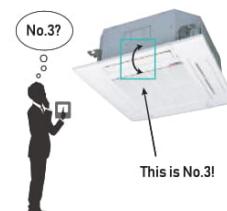
Anti draft setting mode setting	
Cooling	Disable
Heating	Enable
Fan	Disable
Dry	Enable
Select the item.	
Set Back	

Anti draft setting blow outlet selection	
Operating now the flap at blow outlet ①	Operating now the flap at blow outlet ②
Operating now the flap at blow outlet ③	Operating now the flap at blow outlet ④
Operating now the flap at blow outlet ⑤	Operating now the flap at blow outlet ⑥
Operating now the flap at blow outlet ⑦	Operating now the flap at blow outlet ⑧
Operating now the flap at blow outlet ⑨	Operating now the flap at blow outlet ⑩
Set Back	

Easy Modification of Air Flow

User can visually confirm and set the direction of louvres using the visual display on the remote controller.

Individual flap control		Select flap	
Operating now the flap at blow outlet ①	Operating now the flap at blow outlet ②	Operating now the flap at blow outlet ③	Operating now the flap at blow outlet ④
Operating now the flap at blow outlet ⑤	Operating now the flap at blow outlet ⑥	Operating now the flap at blow outlet ⑦	Operating now the flap at blow outlet ⑧
Operating now the flap at blow outlet ⑨	Operating now the flap at blow outlet ⑩	Operating now the flap at blow outlet ⑪	Operating now the flap at blow outlet ⑫
Set Back		Set Back	



HYBRID+ Cassette



4 Way

Design
Hybrid
Comfort
Control



REMOTE CONTROL

Wireless (Standard)



Wired (Optional)



ECONOMY



Energy
Saving



Automatic
Operation



Motion sensor
(optional)

COMFORT



Automatic
Fan



Vertical
Auto Swing

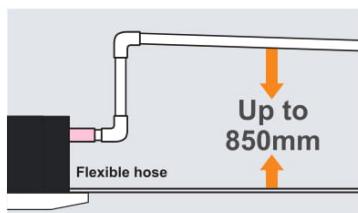


Draft
Prevention
(optional)

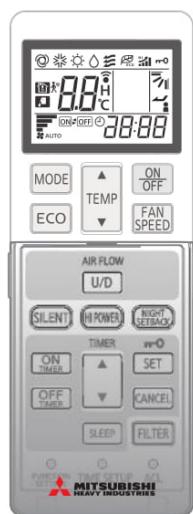


Individual
Flap Control
(Wired Remote)

850mm Drain Pump



RCN-E2
Standard



Individual Flap Control System

Wired Controller (optional)

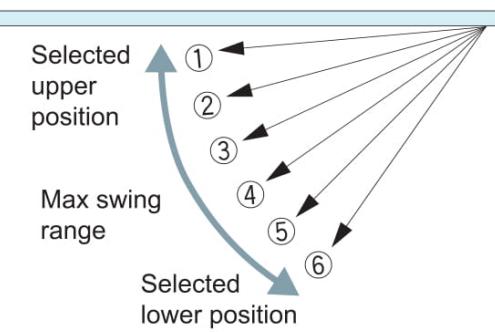


RC-E5

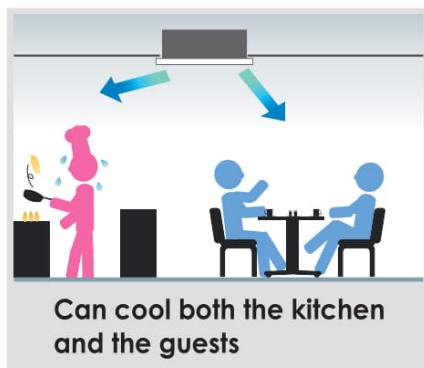
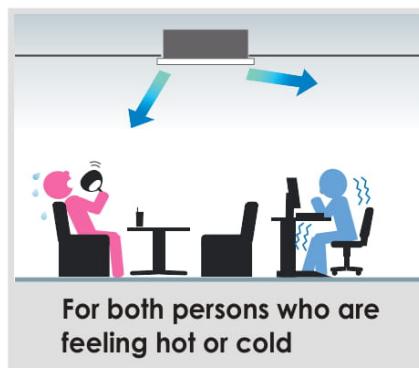
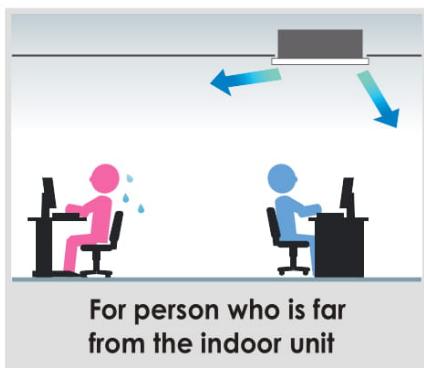
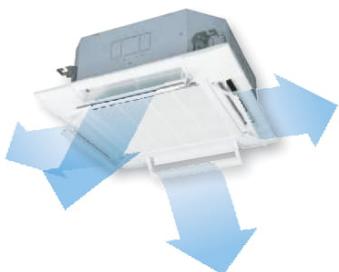


RC-EX3A

According to room conditions, four directions of air flow can be controlled individually by utilizing the flap control system. Individual flap control is available even after installation. Flap can swing within an upper and lower flap range position which can be selected with a wired remote control



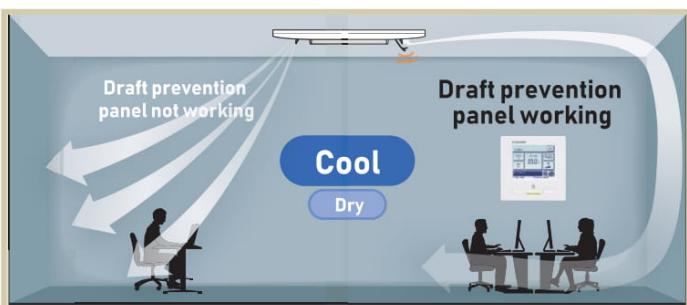
The wireless remote control is not applicable to the Individual flap control system.



Draft Prevention Panel (optional)

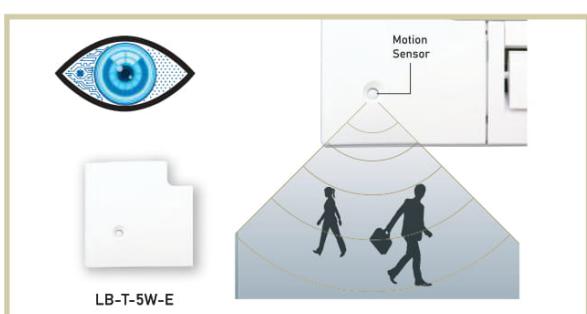
Draft Prevention Panel Prevents cold draft blown directly on the user. It is possible to set Draft Prevention Panel for each air outlet.

User can position Draft Prevention Panel panels by using the remote controller only(RC-EX3A, RCN-T-5AW-E2).

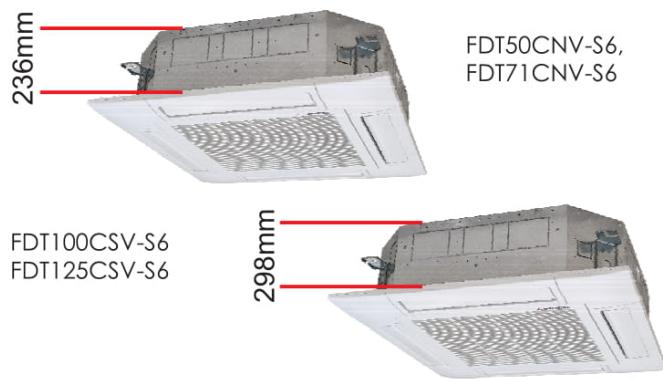


Motion Sensor (optional)

Motion sensor is equipped in the panel corner and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.

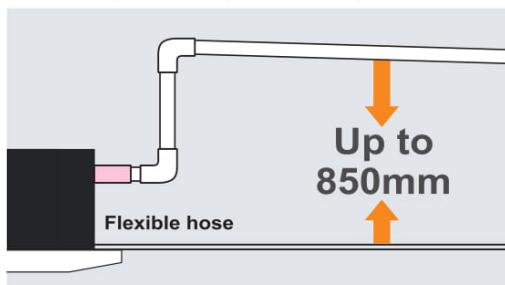


Compact Height



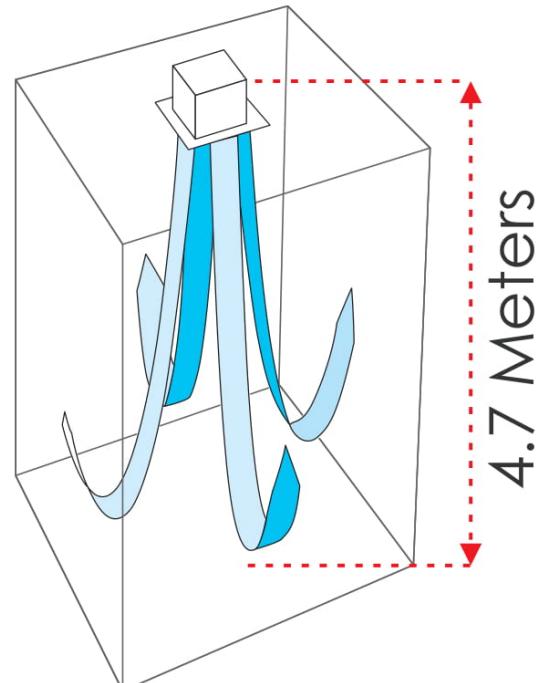
850mm Drain Pump

Drain can be discharged upwards up to 850mm from the ceiling surface, allowing a piping layout with a high degree of freedom. Thanks to the 185mm flexible hose, equipment supports easy workability.

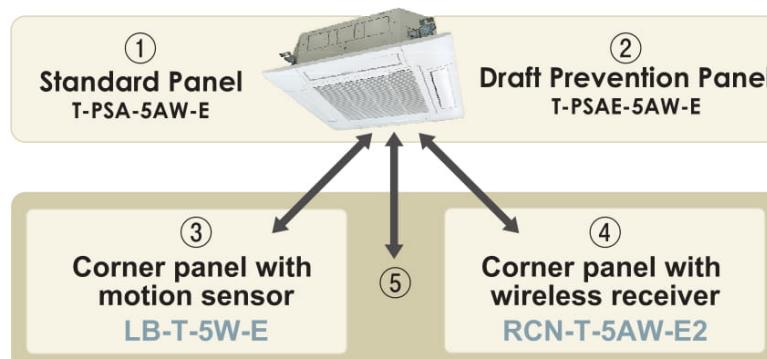


Suitable for High Ceilings

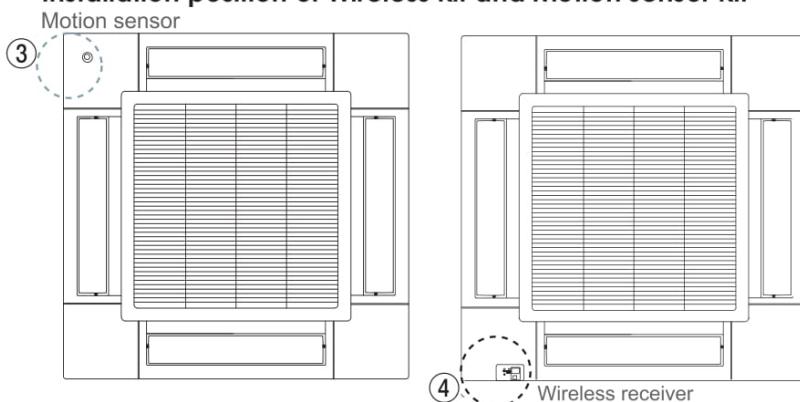
The Powerful blowout carries comfortable air flow to the floor even in high ceiling applications. It is ideal for high ceiling offices, stores, etc., with a wide, uniform air flow throughout the room.



Panel Select Pattern (optional)



Installation position of Wireless kit and Motion sensor kit



8 patterns of panel are available.

- ① Standard Panel only
- ①+③ Standard Panel with corner panel with motion sensor
- ①+④ Standard Panel with corner panel with wireless receiver
- ①+⑤ Standard Panel with corner panel with motion sensor & corner panel with wireless receiver
- ② Draft Prevention Panel only
- ②+③ Draft Prevention Panel with corner panel with motion sensor
- ②+④ Draft Prevention Panel with corner panel with wireless receiver
- ②+⑤ Draft Prevention Panel with corner panel with motion sensor & corner panel with wireless receiver

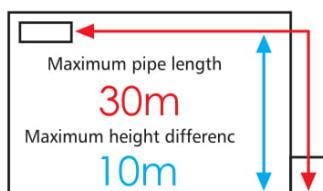
* Wireless receiver and Motion sensor can be installed to the position as shown

SPECIFICATIONS

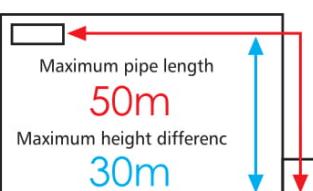
SPECIFICATIONS			HYBRID - CEILING CASSETTE - 4WAY (R410A)			
Unit			FDT50CNV-S6	FDT71CNV-S6	FDT100CSV-S6	FDT125CSV-S6
Model	Indoor Unit		FDT50CNV-S6	FDT71CNV-S6	FDT100CSV-S6	FDT125CSV-S6
	Outdoor Unit		FDC50CNV-S6	FDC71CNV-S6	FDC100CSV-S6	FDC125CSV-S6
Super Tropical - Return cooled Compressor			Rotary	Rotary	Rotary	Scroll
Type of AC			Heavy Duty AC		Hybrid AC	
Power Source			1 Phase, 220 - 240 V, 50 Hz		3 Phase, 380 - 440 V, 50 Hz	
Rated Cooling Capacity	Ton	1.5	2.1	3.0	3.7	
	Watts	5000	7300	10400	13000	
	BTU/h	17060	24908	35485	44356	
Input Power ** (Minimum - Maximum)	watts	1350 - 1550	2000 - 2250	2580 - 2880	3860 - 4160	
Rated EER / COP	W/w	3.23	3.24	3.61	3.13	
Air flow (Powerful - Hi)	Indoor Unit	CMH	1280 (P-Hi=1320)	1680 (P-Hi=1920)	2050 (P-Hi=2300)	2200 (P-Hi=2500)
Long Reach Airflow Upto	Indoor Unit	Meter	3.65	4.57	5.18	5.18
Sound Level (Powerful - Hi / H/M/L)	Indoor Unit	dB(A)	39 /38/ 37 / 34	46 / 43 / 39 / 37	44 / 40 / 38 / 34	44 / 41 / 39 / 36
Louver Swing	Indoor Unit		Yes (Individual Flap Control System Possible in Wired Controller)			
Remote Control	Indoor Unit		Standard - Wireless Remote Controller Included / Wired Controller Optional			
Self Diagnosis Function	Indoor Unit		Yes			
Filter	Indoor Unit		Anti- Bacterial			
Fan	Indoor Unit		Super Turbo Fan			
DC Fan Motor Speed	Indoor Unit		Powerful - High / High / Medium / Low / Dry			
External Static Pressure E.S.P. (Pascal) #	Indoor Unit	Pa	Not Applicable			
Dimension (H x W x D)	Indoor Unit	mm	Unit : 236 x 840 x 840 Panel : 35 x 950 x 950		Unit : 298 x 840 x 840 Panel : 35 x 950 x 950	
	Outdoor Unit		640 x 800 (+71) x 290		845 x 970 x 370	
Weight	Indoor Unit	Kgs	25.0 (Unit:20 Panel:5.0)	27.0 (Unit:22 Panel:5.0)	30.0 (Unit:25 Panel:5.0)	30.0 (Unit:25 Panel:5.0)
	Outdoor Unit	Kgs	42	46	79	85
Refrigerant			R410A			
Refrigerant Piping	Liquid/ Gas	mm	6.35 (1/4") / 15.88 (5/8")		9.52 (3/8") / 15.88 (5/8")	
Precharged Refrigerant		Kgs	1 Kgs (Upto 15mtrs.)	1.4 Kgs (Upto 15mtrs.)	2.15 Kgs (Upto 30mtrs.)	2.65 Kgs (Upto 30mtrs.)
Charging requirement per mtrs		grams	25 grams (Above 15mtrs upto 30 mtrs)		50 grams (Above 30mtrs upto 50 mtrs)	
Maximum Piping Length		Mtrs	30 mtrs / 100 feet		50 mtrs / 164 feet	
Vertical Height Difference		Mtrs	Outdoor- Higher =10 mtrs / Lower =10 mtrs		Outdoor - Higher =30 mtrs / Lower =15 mtrs	
Main Power Supply to	Outdoor Unit		2.5 mm ² x 3 cores (including earthing)		4 mm ² x 5 cores (including earthing)	
Connecting wiring	B/w IDU & ODU		1.5 mm ² x 4 cores (including earthing)			
Area Coverage ***		Sq.Meter	15.97 - 18.58	18.58 - 25.54	25.54 - 32.51	32.51 - 44.12

REFRIGERANT PIPE LENGTH

FDT50CNV-S6 / FDT71CNV-S6



FDT100CSV-S6 / FDT125CSV-S6



** Under Standard Installation & Lab Test Condition *** Check for design condition and corresponding parameters like roof / window exposed to direction sunlight, of the area to be Air- conditioned.
Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without any prior notice

HYBRID⁺ Ductable

Next Generation



HYBRID AC gives 1.5 times bigger area coverage compared to Conventional AC & still gives electricity saving

Automatic External Static Pressure (E.S.P.) Control

Optional For Ductable AC Wired Remote Control Model RC-E5 / RC- EX3A

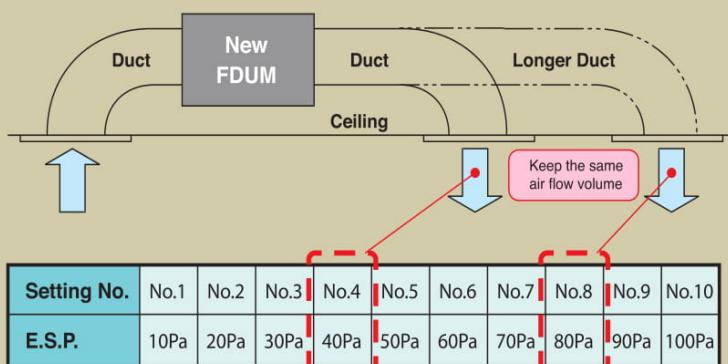
Duct design was simplified, using DC motor. The most optimum air flow volume can be achieved by this automatic control. Indoor unit will recognize external static pressure by itself automatically and keep rated air flow volume.

The External Static Pressure (E.S.P.) can be manually set on the wired remote controller. It will control the fan speed to keep rated air flow volume at each fan speed setting. You can set required E.S.P. by wired remote controller, calculated with the set air flow rate and the pressure loss of the duct.

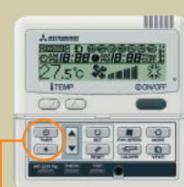
Wireless Remote



RCN-KIT4-E2
Standard



Wired (Optional)



RC-E5

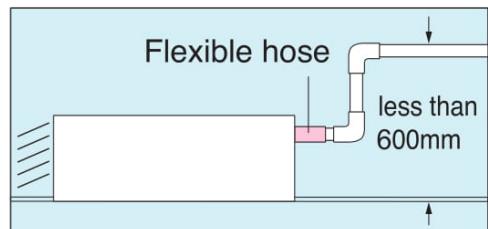


RC-EX3A

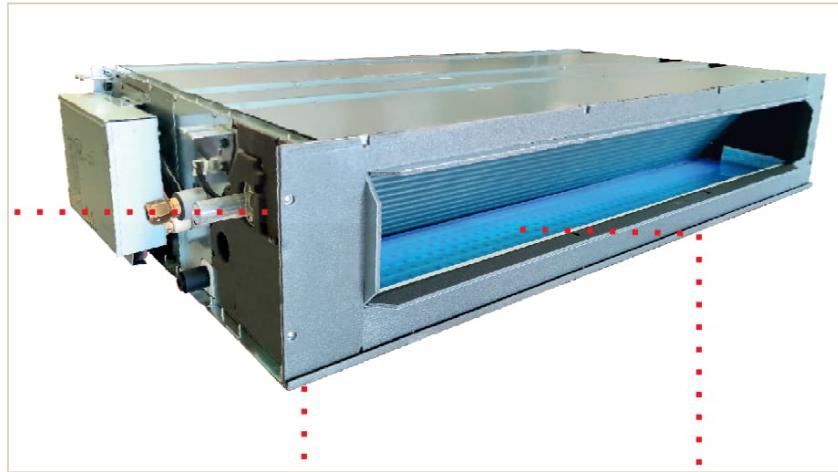
External Static Pressure (E.S.P.) can be set by E.S.P. button.

Built in Drain Pump

600mm Drain Pump is mounted in all models. The indoor unit is completely hidden in the ceiling, so this is suitable for spaces with classy interior design & false ceiling.

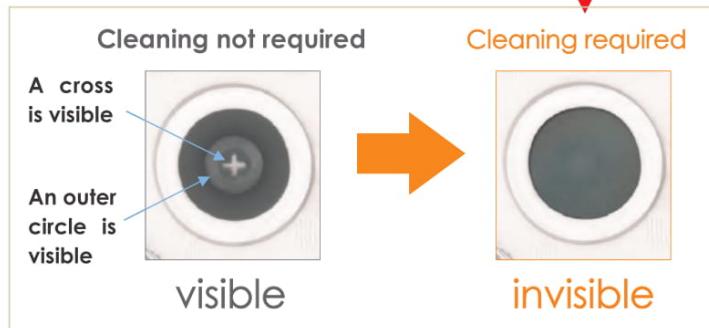


600MM DRAIN PUMP

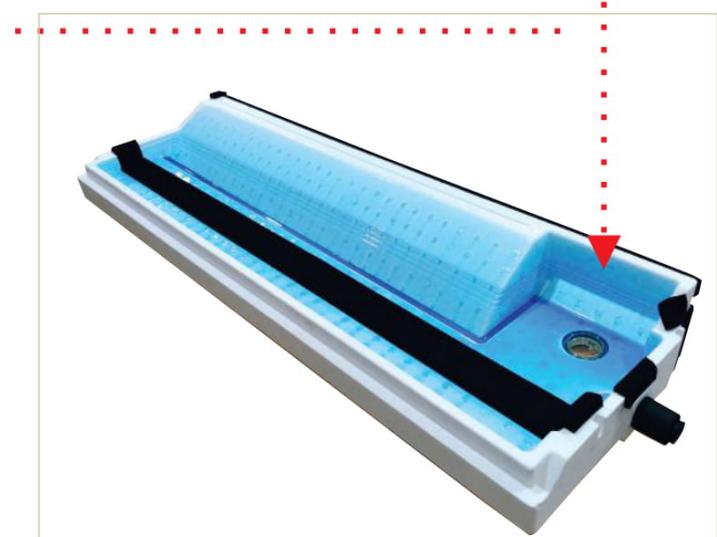


Transparent Inspection Window

Improvement of the Serviceability
Dirt condition of the bottom of a drain pan can be checked through this transparent inspection window without removing drain pan.



Drain Tray with Polyurethane Ethoxyline Resin Coating



SPECIFICATIONS

SPECIFICATIONS		HYBRID- DUCTABLE MEDIUM STATIC- FDUM SERIES (R410A)				
Unit		FDUM50CNV-S6	FDUM71CNV-S6	FDUM100CSV-S6	FDUM125CSV-S6	
Model	Indoor Unit	FDUM50CNV-S6	FDUM71CNV-S6	FDUM100CSV-S6	FDUM125CSV-S6	
	Outdoor Unit	FDC50CNV-S6	FDC71CNV-S6	FDC100CSV-S6	FDC125CSV-S6	
Super Tropical - Return cooled Compressor		Rotary	Rotary	Rotary	Scroll	
Type of AC		Heavy Duty AC		Hybrid AC		
Power Source		1 Phase, 220 - 240 V, 50 Hz		3 Phase, 380 - 440 V, 50 Hz		
Rated Cooling Capacity	Ton	1.5	2.0	3.0	3.7	
	Watts	5000	7100	10400	13000	
	BTU/h	17060	24225	35485	44356	
Input Power ** (Minimum - Maximum)	watts	1400 - 1613	2000 - 2290	2900 - 3100	4000 - 4460	
Rated EER / COP	W/w	3.10	3.10	3.10	2.91	
Air flow (Powerful - Hi)	Indoor Unit	CMH	600 (P-Hi=800)	1200 (P-Hi=I 440)	1950 (P-Hi=2340)	2200 (P-Hi=2880)
Long Reach Airflow Upto	Indoor Unit	Meter	2.43	3.65	6.09	6.09
Sound Level (Powerful - Hi / H/M/L)	Indoor Unit	dB(A)	35 / 31 / 29 / 27	38 / 33 / 31 / 29	42 / 36 / 32 / 29	44 / 37 / 33 / 29
Louver Swing	Indoor Unit			Not Applicable		
Remote Control	Indoor Unit		Standard - Wireless Remote Controller Included / Wired Controller Optional			
Self Diagnosis Function	Indoor Unit			Yes		
Filter	Indoor Unit		Anti- Bacterial Wire Mesh Filter - Optional - Chargeable Extra - Procure Locally			
Fan	Indoor Unit			Centrifugal Blower		
DC Fan Motor Speed	Indoor Unit			Powerful - High / High / Medium / Low / Dry		
External Static Pressure E.S.P. (Pascal) #	Indoor Unit	Pa	Standard = 35 Pa / Max = 100 Pa	Standard = 60 Pa / Max = 100 Pa		
Dimension (H x W x D)	Indoor Unit	mm	280 x 750 x 635	280 x 950 x 635	280 x 1370 x 740	
	Outdoor Unit		640 x 800 (+71) x 290		845 x 970 x 370	
Weight	Indoor Unit	Kgs	34	34	53	53
	Outdoor Unit	Kgs	42	46	79	85
Refrigerant			R410A			
Refrigerant Piping	Liquid / Gas	mm	6.35 (1/4") / 15.88 (5/8")	9.52 (3/8") / 15.88 (5/8")		
Precharged Refrigerant		Kgs	1 Kgs (Upto 15mtrs.)	1.4 Kgs (Upto 15mtrs.)	2.15 Kgs (Upto 30mtrs.)	2.65 Kgs (Upto 30mtrs.)
Charging requirement per mtrs		grams	25 grams (Above 15mtrs upto 30 mtrs)	50 grams (Above 30mtrs upto 50 mtrs)		
Maximum Piping Length		Mtrs	30 mtrs / 100 feet	50 mtrs / 164 feet		
Vertical Height Difference		Mtrs	Outdoor - Higher -10 mtrs / Lower=10 mtrs	Outdoor - Higher =30 mtrs / Lower =15 mtrs		
Main Power Supply to	Outdoor Unit		2.5 mm ² x 3 cores (including earthing)	4 mm ² x 5 cores (including earthing)		
Connecting wiring	B/w IDU & ODU			1.5 mm ² x 4 cores (including earthing)		
Area Coverage ***		Sq.Meter	15.97 - 18.58	18.58 - 25.54	25.54 - 32.51	32.51 - 44.12

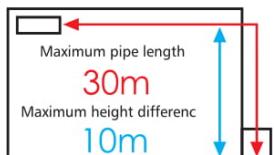
FILTER KIT (OPTIONAL)

Anti- Bacterial Wire Mesh Filter -
Optional - Chargeable Extra - Procure Locally

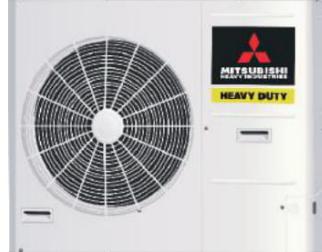
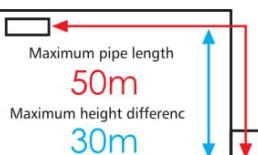


REFRIGERANT PIPE LENGTH

FDUM50CNV-S6 / FDUM71CNV-S6



FDUM100CSV-S6 / FDUM125CSV-S6



Wireless Remote
RCN-KIT4-E2
Standard



** Under Standard Installation & Lab Test Condition *** Check for design condition and corresponding parameters like roof / window exposed to direction sunlight, of the area to be Air- conditioned.
Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without any prior notice
[E.S.P. = External Static Pressure can be changed using Wired Controller - Model RC-E5 / RC-EX1A]

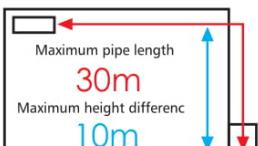
SPECIFICATIONS

SPECIFICATIONS		HYBRID - TOWER AC (R410A)	
Unit		FDF71CNV-S6	FDF125CSV-S6
Model	Indoor Unit	FDF71CNV-S6	FDF125CSV-S6
	Outdoor Unit	FDC71CNV-S6	FDC125CSV-S6
Super Tropical - Return cooled Compressor		Rotary	Scroll
Type of AC		Heavy Duty AC	Hybrid AC
Power Source		1 Phase, 220 - 240 V. 50Hz	3 Phase, 380 - 440 V. 50Hz
Rated Cooling Capacity	Ton	2.0	3.70
	Watts	7100	12500
	BTU/h	24225	42650
Input Power ** (Minimum - Maximum)	watts	2300 - 2500	4000 - 4460
Rated EER / COP	W/w	2.84	2.80
Air flow	Indoor Unit	CMH	2250
Long Reach Airflow Upto	Indoor Unit	Meter	9.14
Sound Level (H/M/L)	Indoor Unit	dB(A)	48 / 40 / 35
Louver Swing	Indoor Unit		Yes (Vertical)
Remote Control	Indoor Unit		Standard - Wireless Remote Controller Included + Controller Inbuilt on Indoor unit
Self Diagnosis Function	Indoor Unit		Yes
Filter	Indoor Unit		Anti- Bacterial
Fan	Indoor Unit		Impaler Fan
DC Fan Motor Speed	Indoor Unit		High / Medium / Low / Dry
External Static Pressure E.S.P. (Pascal) #	Indoor Unit	Pa	Not Applicable
Dimension (H x W x D)	Indoor Unit	mm	1850 x 600 x 320
	Outdoor Unit		640 x 800 (+71) x 290
Weight	Indoor Unit	Kgs	51
	Outdoor Unit	Kgs	46
Refrigerant			R410A
Refrigerant Piping	Liquid/ Gas	mm	6.35 (1/4") / 15.88 (5/8")
Precharged Refrigerant		Kgs	1.4 Kgs (Upto 15mtrs.)
Charging requirement per mtrs		grams	25 grams (Above 15mtrs upto 30 mtrs)
Maximum Piping Length		Mtrs	30 mtrs / 100 feet
Vertical Height Difference		Mtrs	Outdoor- Higher= 10 mtrs / Lower= 10 mtrs
Main Power Supply to	Outdoor Unit		2.5 mm2 x 3 cores (including earthing)
Connecting wiring	B/w IDU & ODU		1.5 mm2 x 4 cores (including earthing)
Area Coverage ***		Sq.Meter	18.58 - 27.87
			37.16 - 46.45

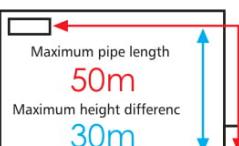
REFRIGERANT PIPE LENGTH

Wireless Remote Standard

FDF71CNV-S6



FDF125CSV-S6



** Under Standard Installation & Lab Test Condition *** Check for design condition and corresponding parameters like roof / window exposed to direction sunlight, of the area to be Air- conditioned.
Because of our policy of continuous improvement, we reserve the right to make changes in all specifications without any prior notice.