

New Generation

Ceiling Cassette
4way

New

FDT



- Automatic energy saving control
- Keep maximum comfort with minimal draft
- Quiet operation

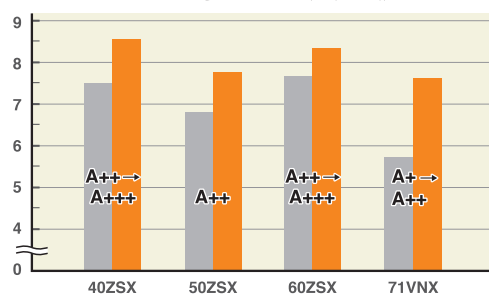


High energy efficiency with new technology

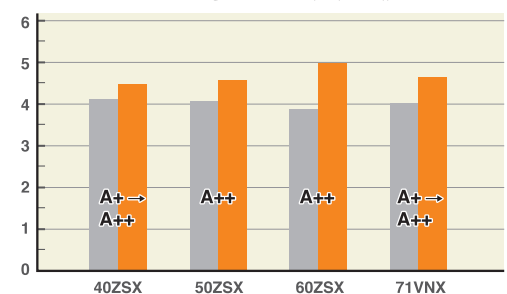
New FDT can achieve higher seasonal efficiency by utilising Mitsubishi Heavy Industries latest technology.

● SEER and SCOP is defined in European regulations. Please refer to P96.

SEER in cooling ■ Previous(VG(R410A)) ■ New(VH(R32))



SCOP in heating ■ Previous(VG(R410A)) ■ New(VH(R32))



Quieter noise & Improved aerodynamic performance of the unit

New technology has realised quiet noise with keeping capacity and comfort. A low noise is achieved by reducing the pressure fluctuation in an indoor unit.

A fan guard attains both safety and quietness by flow.

New design turbo fan



Fan guard (standard equipment)



Flexible flap control for draft prevention Brand new function in the market



Draft Prevention Panel (Option)

Each of the 4 flaps can be controlled individually at each operation mode. They change air flow direction and prevent draft feeling. This new function also achieve more flexible control for air flow direction.



Motion Sensor (Option)

New motion sensor (option) detects human activity. Energy saving control is achieved by shifting set temperature according to detected amount of activity.

FDT

Indoor Unit

Ceiling Cassette -4way-



New

FDT 40/50/60/71/100/125/140



GOOD
DESIGN

Draft Prevention Panel (Option)



Energy
Saving



Home
Leave



Hi
Power



Silent
Operation



Flap
Control



Favourite
Setting



Remote control (option)

Wired



RC-EX3A



RC-E5



RCH-E3

Wireless

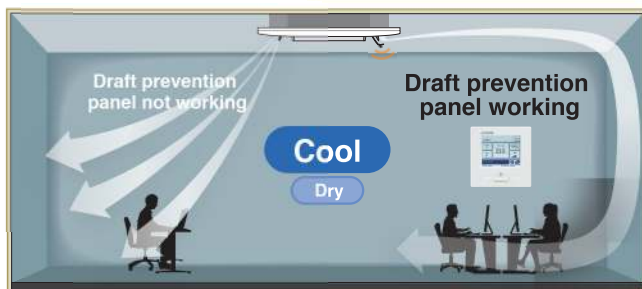


RCN-T-5AW-E2

*Not all functions available with all remote control options.

Draft Prevention Panel (Option)

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



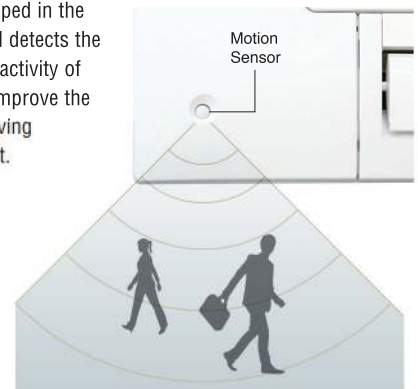
User can position panels by using the remote controller only (RC-EX3A, RCN-T-5AW-E2) when Draft Prevention Panel is available.

Motion Sensor (Option)

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

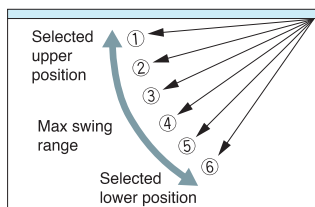


LB-T-5W-E



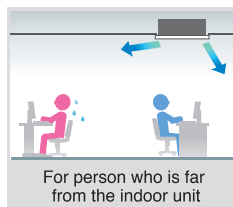
Individual Flap Control System

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.

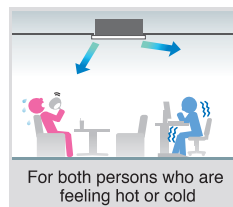


Flap can swing within an upper and lower flap range position within can be selected with a wired remote control.

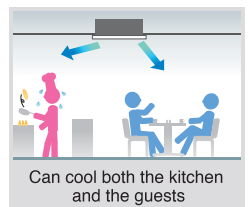
*The wireless remote control is not applicable to the Individual flap control system.



For person who is far from the indoor unit



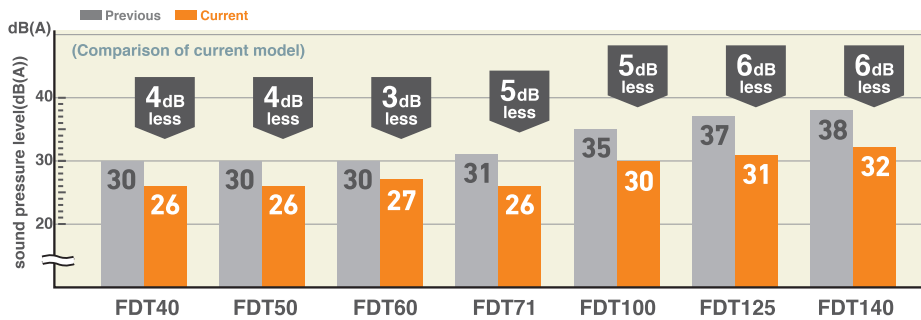
For both persons who are feeling hot or cold



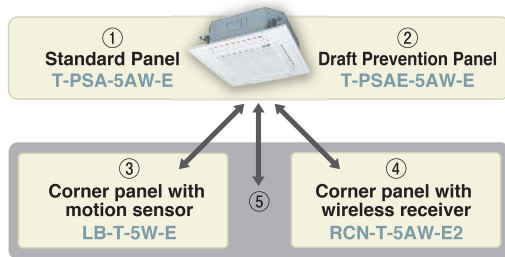
Can cool both the kitchen and the guests

Quieter Noise

New technology has realised quiet noise (in cooling) with keeping capacity and comfort.



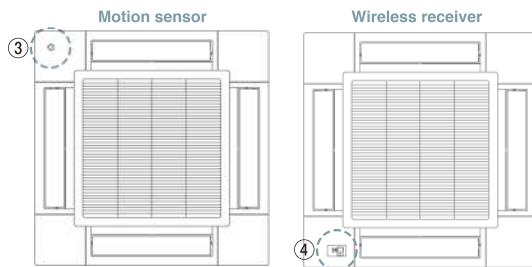
Panel Select Pattern (Option)



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

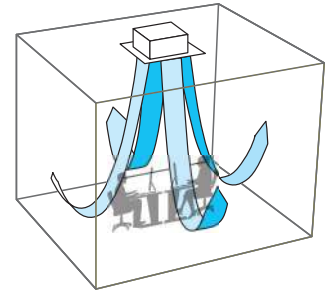
Installation position of Wireless kit and Motion sensor kit



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

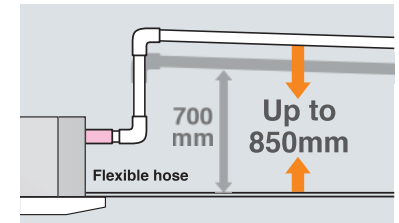
Suitable for High ceilings

The Powerful blowout of ultra high tap carry comfortable air flow to foot even in high ceiling. It is ideal for high ceiling offices and stores, etc., with a wide, uniform air flow throughout the room.



850mm Drain Pump

Drain can be discharged upwards by 850mm from the ceiling surface. It allows a piping layout with a high degree of freedom. Depending on the installation location and 185mm flexible hose as a standard equipment supports easy workability.



OUTDOOR UNIT

		Hyper Inverter		
SRC · FDC		40~60ZSX-W1	71VNX-W	—
		40~60ZSX-S	71VNX	100~140VN(S)X
model				
Chargeless		15m	30m	
Height x Width x Depth (mm)		640 x 800(+71) x 290	750 x 880(+88) x 340	1,300 x 970 x 370

		Micro Inverter			Standard Inverter		
FDC		100~140VN(S)A-W	—	—	71VNP-W	90~100VNP-W	—
		100~140VN(S)A	200VSA	250VSA	71VNP	90VNP1	100VNP
model							
Chargeless		30m			15m		
Height x Width x Depth (mm)		845 x 970 x 370	1,300 x 970 x 370	1,505 x 970 x 370	640 x 800(+71) x 290	750 x 880(+88) x 340	845 x 970 x 370

Easy and quick installation and maintenance

Serviceability & Workability

Quick positioning !

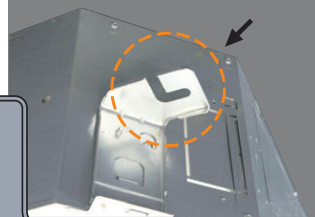
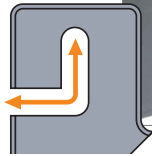
Indoor unit is easily positioned and installed

1 Adjustable easier positioning of unit by new slits.

FDT

New shape of slit is suitable to install the unit with more flexibility, according to many kinds of suspending bolt pitch on site. Any rectangular or squared pitch of suspending bolts are available with this slit.

Compatible with both square or rectangular bolt pitch

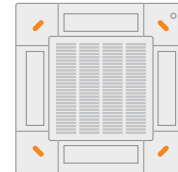
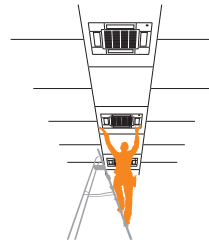


2 New slit in panel allows easier installation on site.

FDT

FDTC

Flexible positioning is available, which helps adjusting the direction of panel according to lines or pattern on the ceiling.



4 long slits are available.

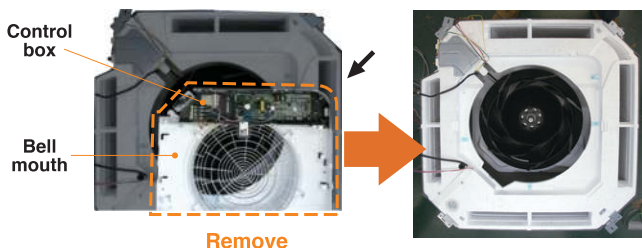
Quick installation and maintenance

1 Easy access to component part for easy maintenance.

FDT

1. The control box and bell mouth can be removed together.

2. Easy access to impeller and fan motor.

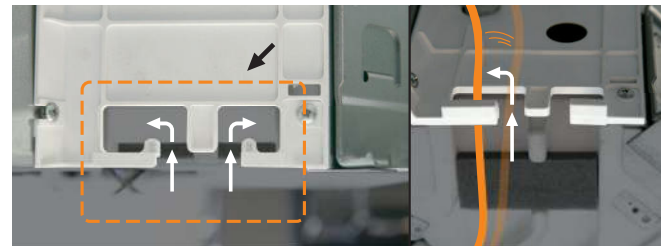


Remove

2 New shape of path of wiring.

FDT

New shape of path gives easy wiring work for installation.

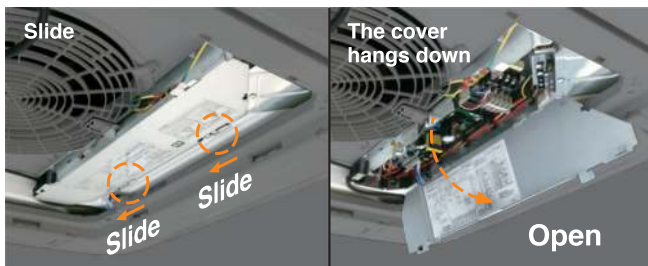


Easy wiring work

3 No need to remove screws to open the controller cover.

FDT

It is possible to loose and slide open the cover without remove of the screws. This prevents the cover from falling and damaging to stuffs on site.



No need to remove screws

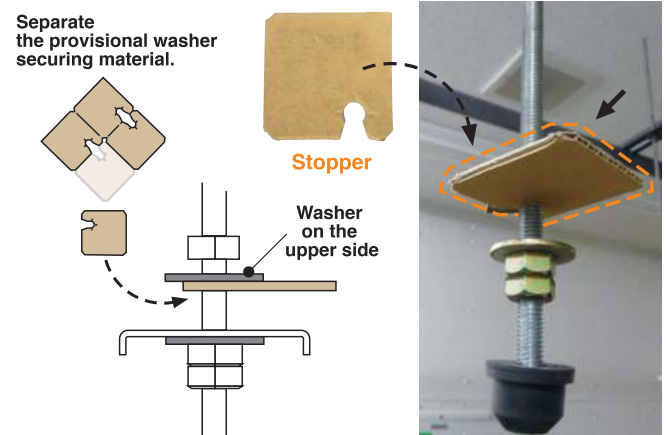


4 Safer installation by stopper of washer

FDT

FDTC

When unit is installed with hook between washers, this stopper helps to install the unit safely, without adjusting washer.





Builder



Maintenance



FDT



FDTc

For smooth and easy working

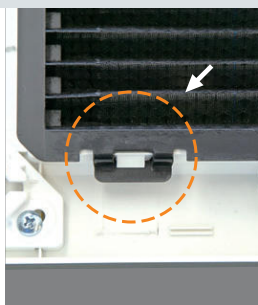
Good help for installation and maintenance

1 Easy and flexible hook to remove the filter

FDT
FDTc

Hook of soft material helps to remove the filter without dust spreading.

Press the filter tab to the outside and remove the filter.

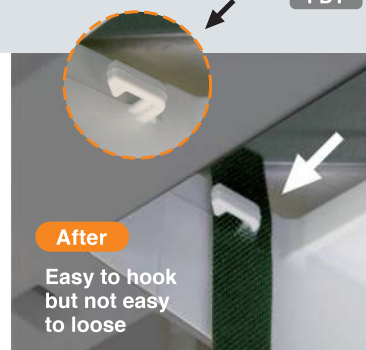
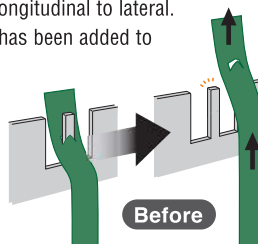


Soft material

2 Securely fix the corner lid by strap

FDT

The direction of the strap hook part has been changed from longitudinal to lateral. Furthermore, a barb has been added to the hook pin to prevent the strap from coming off.



After

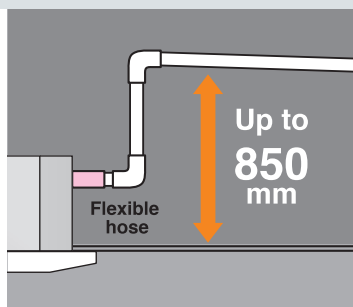
Easy to hook but not easy to loose

3 Drain-up-lift increases up to 850 mm

FDT
FDTc

The drain can be lifted up to 850 mm from the ceiling surface.

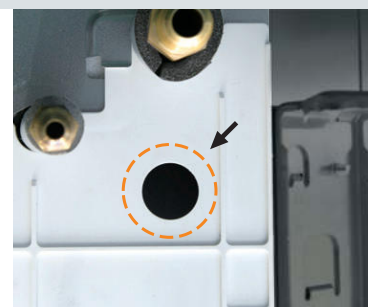
	Previous	New
FDT	700	850
FDTc	600	850



4 New port to check drain water flow

FDT

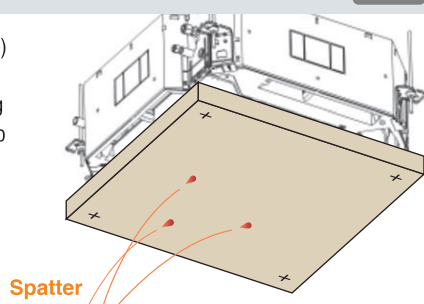
A water supply port has been provided in the piping lid for easier testing of the drain water flow. (The port is usually sealed with a rubber cap.)



5 Re-use of packages during construction work

FDT
FDTc

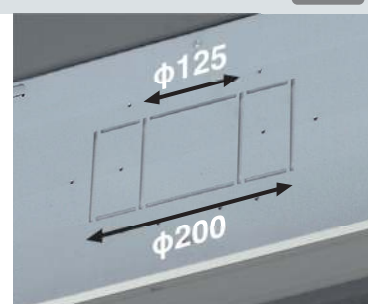
Package material (carton) help to protect the unit from unexpected welding spatter or coming dust to the new unit.



6 More flexible outlet for ducting

FDT
FDTc

Both $\phi 125$ and $\phi 200$ (oval shaped) are available.



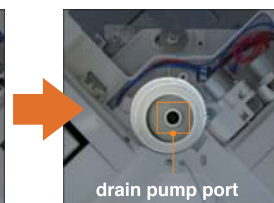
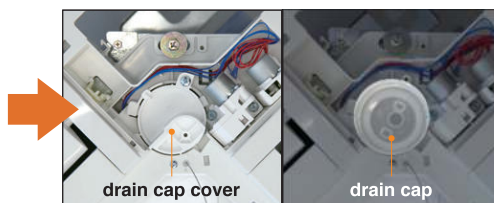
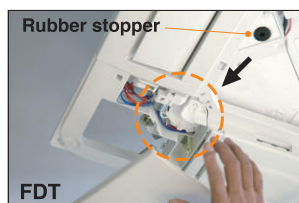
7 Easy check of drain pan

FDT
FDTc

Easy inspection of the condition of the drain pan is possible by removing corner lid only.



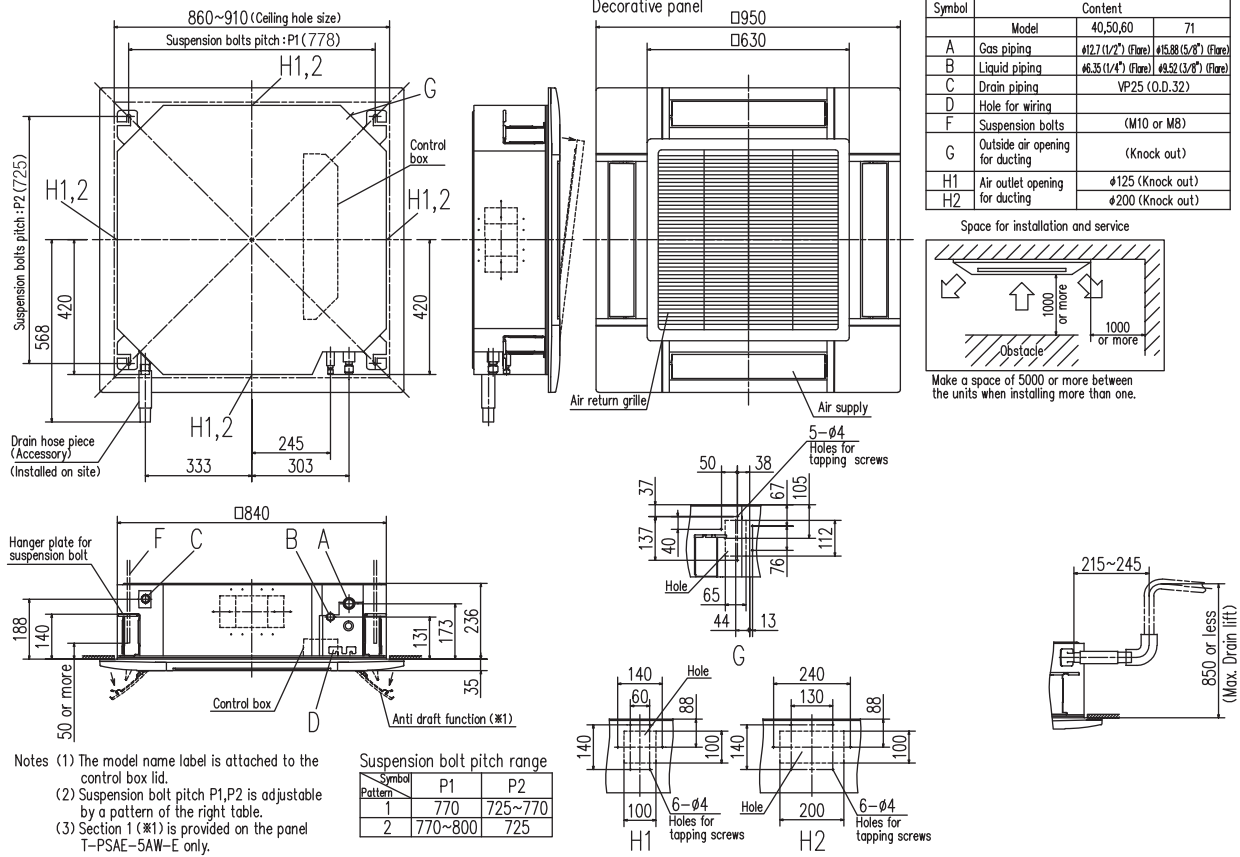
Remove corner lid. Remove drain cap cover and check the condition. It is necessary to clean-up, firstly remove the rubber stopper to drain water out and secondly remove the drain cap.



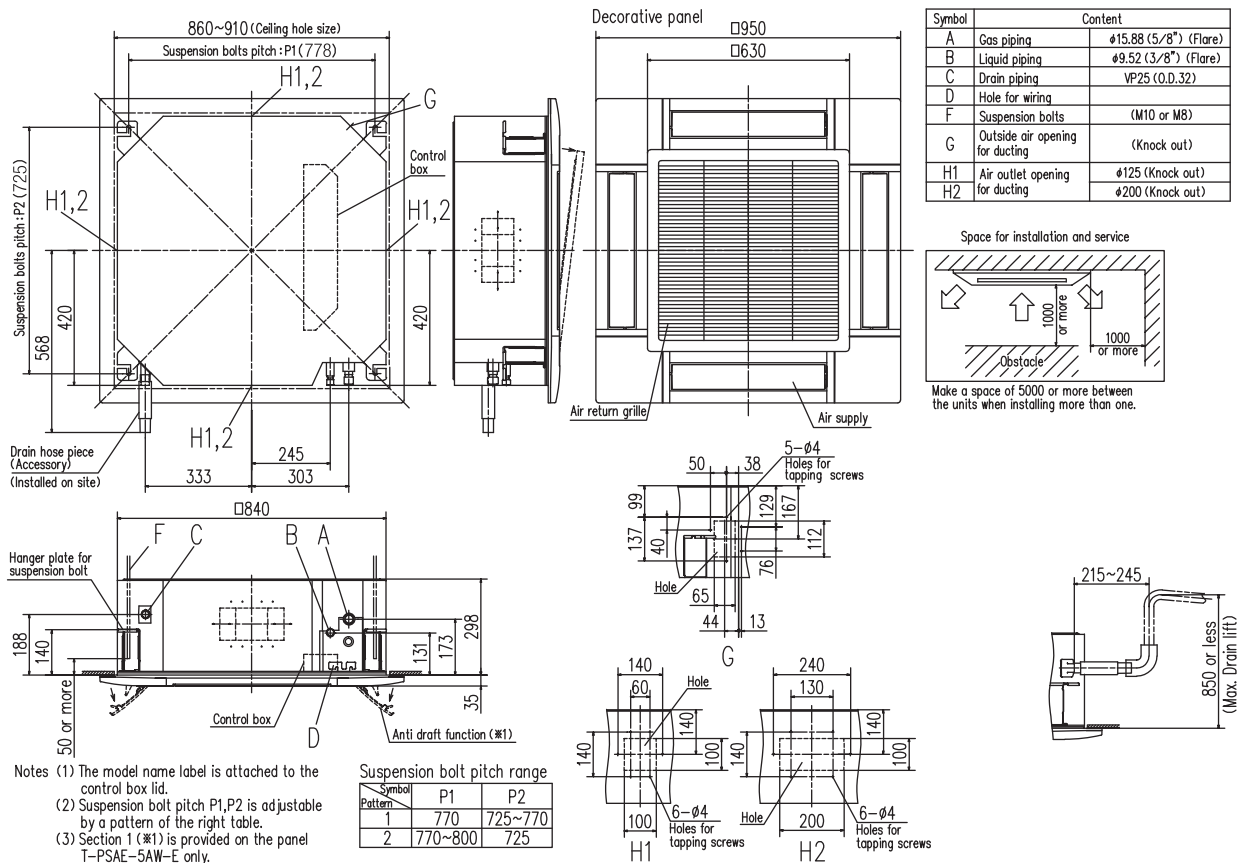
Clean up the area around the drain pump port.

DIMENSIONS (Unit:mm) - FDT -

Models FDT40VH, 50VH, 60VH, 71VH



Models FDT100VH, 125VH, 140VH



SPECIFICATIONS -FDT-

The values are for simultaneous Multi operation.(except single use)

R32			Hyper Inverter					
Set model name			FDT40ZSXW1VH	FDT50ZSXW1VH	FDT60ZSXW1VH	FDT71VNXWVH	FDT71VNXWPVH	
							Twin	
Indoor unit			FDT40VH	FDT50VH	FDT60VH	FDT71VH	FDT40VH x 2	
Outdoor unit			SRC40ZSX-W1	SRC50ZSX-W1	SRC60ZSX-W1	FDC71VNX-W	FDC71VNX-W	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz					
Nominal cooling capacity (Min~Max)		kW	4.0 (1.1 ~ 4.7)	5.0 (1.1 ~ 5.6)	5.6 (1.1 ~ 6.3)	7.1 (3.2 ~ 8.0)	7.1 (3.2 ~ 8.0)	
Nominal heating capacity (Min~Max)		kW	4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 6.7)	8.0 (3.6 ~ 9.0)	8.0 (3.6 ~ 9.0)	
Power consumption	Cooling/Heating	kW	0.890 / 1.03	1.29 / 1.31	1.33 / 1.56	1.69 / 1.75	1.61 / 1.83	
EER/COP	Cooling/Heating		4.49 / 4.37	3.88 / 4.12	4.21 / 4.29	4.20 / 4.58	4.40 / 4.38	
Inrush current		A	5	5	5	5	5	
Max. current			15	15	15	19.1	19.1	
Sound power level*1	Indoor	Cooling/Heating	50 / 50	55 / 56	58 / 59	64 / 64	55 / 55	
	Outdoor	Cooling/Heating	63 / 62	63 / 62	65 / 65	66 / 66	66 / 66	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	36 / 33 / 30 / 26	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 35 / 33 / 31	39 / 33 / 31 / 30
		Heating (P-Hi/Hi/Me/Lo)		36 / 33 / 28 / 20	42 / 33 / 28 / 20	44 / 34 / 30 / 23	46 / 35 / 33 / 31	39 / 33 / 31 / 30
	Outdoor	Cooling/Heating	52 / 50	52 / 50	53 / 54	51 / 51	51 / 51	
		Cooling (P-Hi/Hi/Me/Lo)	m³/min	19 / 16 / 13 / 10	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 21 / 19 / 17	20 / 18 / 16 / 14
Heating (P-Hi/Hi/Me/Lo)	19 / 16 / 13 / 10	22 / 16 / 13 / 10		26 / 17 / 14 / 11	28 / 21 / 19 / 17	20 / 18 / 16 / 14		
Air flow	Outdoor	Cooling/Heating	39 / 33	39 / 33	41.5 / 39	60 / 50	60 / 50	
	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950							
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	640 x 800(+71) x 290				
	Outdoor			750 x 880(+88) x 340				
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)		24(Unit:19 Standard Panel:5)
	Outdoor			45		60		
Ref.piping size	Liquid/Gas		ømm	6.35(1/4") / 12.7(1/2")				9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			m	Max.30				Max.50
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20				Max.30 / Max.15
Outdoor operating temperature range	Cooling		°C	-15~46*2			-15~50*2	
	Heating			-20~24			-20~20	
Panel			T-PSA-5AW-E, T-PSAE-5AW-E					
Air filter, Q'ty			Pocket plastic net x 1(Washable)					
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2					

R410A			Hyper Inverter			
Set model name			FDT40ZSXVH	FDT50ZSXVH	FDT60ZSXVH	FDT71VNXVH
Indoor unit			FDT40VH	FDT50VH	FDT60VH	FDT71VH
Outdoor unit			SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S	FDC71VNX
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	4.0 (1.1 ~ 4.7)	5.0 (1.1 ~ 5.6)	5.6 (1.1 ~ 6.3)	7.1 (3.2 ~ 8.0)
Nominal heating capacity (Min~Max)		kW	4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 7.1)	8.0 (3.6 ~ 9.0)
Power consumption	Cooling/Heating	kW	0.93 / 1.03	1.29 / 1.31	1.52 / 1.56	1.96 / 1.91
EER/COP	Cooling/Heating		4.30 / 4.37	3.88 / 4.12	3.68 / 4.29	3.62/4.19
Inrush current		A	5	5	5	5
Max. current			12	15	15	17
Sound power level*1	Indoor	Cooling/Heating	50 / 50	55 / 56	58 / 59	59 / 60
	Outdoor					
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	36 / 33 / 30 / 26	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26
		Heating (P-Hi/Hi/Me/Lo)				
	Outdoor	Cooling/Heating	50 / 49	50 / 49	52 / 52	51 / 48
		Cooling (P-Hi/Hi/Me/Lo)				
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	19 / 16 / 13 / 10	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12
		Cooling/Heating				
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950		
	Outdoor			640 x 800(+71) x 290		750 x 880(+88) x 340
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)
	Outdoor			45		60
Ref.piping size	Liquid/Gas		ømm	6.35(1/4") / 12.7(1/2")		9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length			m	Max.30		Max. 50
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20		Max.30 / Max.15
Outdoor operating temperature range	Cooling		°C	-15~46*2		-15~43*2
	Heating			-20~24		-20~20
Panel			T-PSA-5AW-E, T-PSAE-5AW-E			
Air filter, Q'ty			Pocket plastic net x 1(Washable)			
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2			

NOTES:

The data are measured under the following conditions(R410A : ISO-T1, R32 : ISO-T1, H1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

SPECIFICATIONS -FDT-

R410A			HyperInverter		
Set model name			FDT100VNXVH	FDT125VNXVH	FDT140VNXVH
Indoor unit			FDT100VH	FDT125VH	FDT140VH
Outdoor unit			FDC100VNX	FDC125VNX	FDC140VNX
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 17.0)	16.0 (4.0 ~ 18.0)
Power consumption	Cooling/Heating	kW	2.50 / 2.58	3.42 / 3.43	4.58 / 4.20
EER/COP	Cooling/Heating		4.00 / 4.34	3.65 / 4.08	3.06 / 3.81
Inrush current		A	5	5	5
Max. current			24	26	26
Sound power level*1	Indoor	Cooling/Heating	62 / 62	63 / 64	63 / 64
	Outdoor	Cooling/Heating	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 30	48 / 41 / 39 / 31	48 / 42 / 39 / 32
		Heating (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 29	48 / 41 / 38 / 31	48 / 41 / 38 / 31
	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52
		Cooling (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18	38 / 29 / 26 / 19
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18	38 / 29 / 26 / 19
	Outdoor	Cooling/Heating	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950		
	Outdoor		1,300 x 970 x 370		
Net weight	Indoor		30(Unit:25 Standard Panel:5)		
	Outdoor		105		
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length		m	Max.100		
Vertical height differences	Outdoor is higher/lower	m	Max.30 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~43*2		
	Heating		-20~20		
Panel			T-PSA-5AW-E, T-PSAE-5AW-E		
Air filter, Q'ty			Pocket plastic net x 1(Washable)		
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2		

R410A				Hyper Inverter					
Set model name				FDT100VSXVH		FDT125VSXVH		FDT140VSXVH	
Indoor unit				FDT100VH		FDT125VH		FDT140VH	
Outdoor unit				FDC100VSX		FDC125VSX		FDC140VSX	
Power source				3 Phase 380-415V, 50Hz / 380V, 60Hz					
Nominal cooling capacity (Min~Max)			kW	10.0 (4.0 ~ 11.2)		12.5 (5.0 ~ 14.0)		14.0 (5.0 ~ 16.0)	
Nominal heating capacity (Min~Max)			kW	11.2 (4.0 ~ 16.0)		14.0 (4.0 ~ 18.0)		16.0 (4.0 ~ 20.0)	
Power consumption		Cooling/Heating	kW	2.50 / 2.58		3.42 / 3.43		4.58 / 4.20	
EER/COP		Cooling/Heating		4.00 / 4.34		3.65 / 4.08		3.06 / 3.81	
Inrush current			A	5		5		5	
Max. current				15		15		15	
Sound power level*1	Indoor	Cooling/Heating	dB(A)	62 / 62		63 / 64		63 / 64	
	Outdoor	Cooling/Heating		70 / 70		70 / 70		72 / 72	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	47 / 39 / 36 / 30		48 / 41 / 39 / 31		48 / 42 / 39 / 32	
		Heating (P-Hi/Hi/Me/Lo)		47 / 39 / 36 / 29		48 / 41 / 38 / 31		48 / 41 / 38 / 31	
	Outdoor	Cooling/Heating		48 / 50		48 / 50		49 / 52	
		Cooling (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	m³/min	37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
	Outdoor	Cooling/Heating		100 / 100		100 / 100		100 / 100	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950					
	Outdoor			1,300 x 970 x 370					
Net weight	Indoor		kg	30(Unit:25 Standard Panel:5)					
	Outdoor			105					
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length			m	Max.100					
Vertical height differences			Outdoor is higher/lower	Max.30 / Max.15					
Outdoor operating temperature range	Cooling		°C	-15~43*2					
	Heating			-20~20					
Panel				T-PSA-5AW-E, T-PSAE-5AW-E					
Air filter, Q'ty				Pocket plastic net x 1(Washable)					
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2					

NOTES:

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R410A			HyperInverter					
Set model name			FDT71VNXPVH	FDT100VNXPVH	FDT125VNXPVH	FDT140VNXPVH	FDT140VNXTVH	
			Twin				Triple	
Indoor unit			FDT40VH x 2	FDT50VH x 2	FDT60VH x 2	FDT71VH x 2	FDT50VH x 3	
Outdoor unit			FDC71VNX	FDC100VNX	FDC125VNX	FDC140VNX	FDC140VNX	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz					
Nominal cooling capacity (Min~Max)		kW	7.1 (3.2 ~ 8.0)	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)	14.0 (5.0 ~ 16.0)	
Nominal heating capacity (Min~Max)		kW	8.0 (3.6 ~ 9.0)	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 17.0)	16.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 18.0)	
Power consumption	Cooling/Heating	kW	1.85 / 1.99	2.56 / 2.67	3.26 / 3.22	3.88 / 3.74	3.93 / 4.00	
EER/COP	Cooling/Heating		3.84 / 4.02	3.91 / 4.19	3.83 / 4.35	3.61 / 4.28	3.56 / 4.00	
Inrush current		A	5	5	5	5	5	
Max. current			17	24	26	26	26	
Sound power level*1	Indoor*3	dB(A)	50 / 50	55 / 56	58 / 59	59 / 60	55 / 56	
	Outdoor		Cooling/Heating	66 / 66	70 / 70	70 / 70	72 / 72	72 / 72
Sound pressure level*1	Indoor*3	dB(A)	Cooling (P-Hi/Hi/Me/Lo)	36 / 33 / 30 / 26	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26	41 / 33 / 30 / 26
	Outdoor		Cooling/Heating	51 / 48	48 / 50	48 / 50	49 / 52	49 / 52
Air flow	Indoor*3	m³/min	Cooling (P-Hi/Hi/Me/Lo)	19 / 16 / 13 / 10	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10
			Heating (P-Hi/Hi/Me/Lo)	19 / 16 / 13 / 10	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10
	Outdoor	Cooling/Heating	60 / 50	100 / 100	100 / 100	100 / 100	100 / 100	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950				
	Outdoor			750 x 880(+88) x 340	1,300 x 970 x 370			
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)		24(Unit:19 Standard Panel:5)
	Outdoor			60	105			
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length		m	Max. 50	Max. 100				
Vertical height differences		Outdoor is higher/lower	m	Max.30 / Max.15				
Outdoor operating temperature range	Cooling	°C	-15~43*2					
	Heating		-20~20					
Panel		T-PSA-5AW-E, T-PSAE-5AW-E						
Air filter, Q'ty		Pocket plastic net x 1(Washable)						
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2						

The values are for simultaneous Multi operation.

R410A			HyperInverter				
Set model name			FDT100VSXPVH	FDT125VSXPVH	FDT140VSXPVH	FDT140VSXTVH	
			Twin			Triple	
Indoor unit			FDT50VH x 2	FDT60VH x 2	FDT71VH x 2	FDT50VH x 3	
Outdoor unit			FDC100VSX	FDC125VSX	FDC140VSX	FDC140VSX	
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz				
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	14.0 (5.0 ~ 16.0)	14.0 (5.0 ~ 16.0)	
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 16.0)	14.0 (4.0 ~ 18.0)	16.0 (4.0 ~ 20.0)	16.0 (4.0 ~ 20.0)	
Power consumption	Cooling/Heating	kW	2.56 / 2.67	3.26 / 3.22	3.88 / 3.74	3.93 / 4.00	
EER/COP	Cooling/Heating		3.91 / 4.19	3.83 / 4.35	3.61 / 4.28	3.56 / 4.00	
Inrush current		A	5	5	5	5	
Max. current			15	15	15	15	
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	55 / 56	58 / 59	59 / 60	55 / 56
	Outdoor	Cooling/Heating		70 / 70	70 / 70	72 / 72	72 / 72
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)		41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26	41 / 33 / 30 / 26
		Heating (P-Hi/Hi/Me/Lo)		42 / 33 / 28 / 20	44 / 34 / 30 / 23	46 / 34 / 31 / 26	42 / 33 / 28 / 20
Air flow	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52	49 / 52	
		Cooling (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10	
	Outdoor	Heating (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10	
		Cooling/Heating	100 / 100	100 / 100	100 / 100	100 / 100	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950			
	Outdoor			1,300 x 970 x 370			
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)	24(Unit:19 Standard Panel:5)
	Outdoor			105			
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length			m	Max.100			
Vertical height differences		Outdoor is higher/lower	m	Max.30 / Max.15			
Outdoor operating temperature range	Cooling	°C	-15~43*2				
	Heating		-20~20				
Panel			T-PSA-5AW-E, T-PSAE-5AW-E				
Air filter, Q'ty			Pocket plastic net x 1(Washable)				
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2				

SPECIFICATIONS -FDT-

R32				Micro Inverter					
Set model name				FDT100VNAWVH		FDT125VNAWVH		FDT140VNAWVH	
Indoor unit				FDT100VH		FDT125VH		FDT140VH	
Outdoor unit				FDC100VNA-W		FDC125VNA-W		FDC140VNA-W	
Power source				1 Phase 220-240V, 50Hz / 220V, 60Hz					
Nominal cooling capacity (Min~Max)			kW	10.0 (4.0 ~ 11.2)		12.5 (5.0 ~ 14.0)		13.6 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)			kW	11.2 (4.0 ~ 12.5)		14.0 (4.0 ~ 16.0)		15.5 (4.0 ~ 16.5)	
Power consumption		Cooling/Heating	kW	2.73 / 2.54		4.05 / 3.59		4.79 / 4.18	
EER/COP		Cooling/Heating		3.66 / 4.41		3.09 / 3.90		2.84 / 3.71	
Inrush current			A	5		5		5	
Max. current				24		24		24	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	62 / 62		63 / 64		63 / 64	
	Outdoor	Cooling/Heating		69 / 70		71 / 71		72 / 73	
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)		47 / 39 / 36 / 30		48 / 41 / 39 / 31		48 / 42 / 39 / 32	
		Heating (P-Hi/Hi/Me/Lo)		47 / 39 / 36 / 29		48 / 41 / 38 / 31		48 / 41 / 38 / 31	
Air flow	Outdoor	Cooling/Heating	m³/min	54 / 55		54 / 56		56 / 58	
		Cooling (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
	Indoor	Heating (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
		Cooling/Heating		75 / 73		75 / 73		75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950					
	Outdoor			845 x 970 x 370					
Net weight	Indoor		kg	30(Unit:25 Standard Panel:5)					
	Outdoor			77					
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length				m					
Vertical height differences Outdoor is higher/lower				m					
Outdoor operating temperature range		Cooling	°C	-15~50* ²					
		Heating		-20~20					
Panel				T-PSA-5AW-E, T-PSAE-5AW-E					
Air filter, Q'ty				Pocket plastic net x 1(Washable)					
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2					

R32			Micro Inverter		
Set model name			FDT100VSAWVH	FDT125VSAWVH	FDT140VSAWVH
Indoor unit			FDT100VH	FDT125VH	FDT140VH
Outdoor unit			FDC100VSA-W	FDC125VSA-W	FDC140VSA-W
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)
Power consumption		Cooling/Heating kW	2.73 / 2.54	4.05 / 3.59	4.79 / 4.18
EER/COP		Cooling/Heating	3.66 / 4.41	3.09 / 3.90	2.84 / 3.71
Inrush current		A	5	5	5
Max. current			15	15	15
Sound power level*1	Indoor	Cooling/Heating	62 / 62	63 / 64	63 / 64
	Outdoor	Cooling/Heating	69 / 70	71 / 71	73 / 73
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 30	48 / 41 / 39 / 31	48 / 42 / 39 / 32
		Heating (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 29	48 / 41 / 38 / 31	48 / 41 / 38 / 31
	Outdoor	Cooling/Heating	54 / 55	54 / 56	56 / 58
		Indoor	Cooling (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18
Outdoor	Heating (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17	38 / 28 / 25 / 18	38 / 29 / 26 / 19
	Air flow	Cooling/Heating	m³/min	75 / 73	75 / 73
Exterior dimensions		Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950
	Outdoor	845 x 970 x 370			
Net weight	Indoor		kg	30(Unit:25 Standard Panel:5)	
	Outdoor			78	
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")	
Refrigerant line (one way) length			m	Max.50	
Vertical height differences		Outdoor is higher/lower		m	Max.50 / Max.15
Outdoor operating temperature range		Cooling	°C	-15~50*2	
		Heating		-20~20	
Panel				T-PSA-5AW-E, T-PSAE-5AW-E	
Air filter, Q'ty				Pocket plastic net x 1(Washable)	
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2	

NOTES:

The data are measured under the following conditions(ISO-T1, H1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R32			Micro Inverter			
Set model name			FDT100VNAWPVH	FDT125VNAWPVH	FDT140VNAWPVH	FDT140VNAWTVH
			Twin			Triple
Indoor unit			FDT50VH x 2	FDT60VH x 2	FDT71VH x 2	FDT50VH x 3
Outdoor unit			FDC100VNA-W	FDC125VNA-W	FDC140VNA-W	FDC140VNA-W
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)
Power consumption	Cooling/Heating	kW	2.82 / 2.73	3.79 / 3.31	4.22 / 3.57	4.22 / 3.57
EER/COP	Cooling/Heating		3.55 / 4.11	3.30 / 4.23	3.22 / 4.34	3.22 / 3.89
Inrush current		A	5	5	5	5
Max. current			24	24	24	24
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	55 / 55	58 / 59	59 / 60
	Outdoor			Cooling/Heating	69 / 70	71 / 71
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m³/min	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26
		Heating (P-Hi/Hi/Me/Lo)		42 / 33 / 28 / 20	44 / 34 / 30 / 20	46 / 34 / 31 / 26
	Outdoor	Cooling/Heating		54 / 55	54 / 56	56 / 58
		Cooling (P-Hi/Hi/Me/Lo)		22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12
Air flow	Indoor*3	Heating (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950		
	Outdoor			845 x 970 x 370		
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)	26(Unit:21 Standard Panel:5)	24(Unit:19 Standard Panel:5)
	Outdoor			77		
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			m	Max.50		
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~50*2			
	Heating		-20~20			
Panel			T-PSA-5AW-E, T-PSAE-5AW-E			
Air filter, Q'ty			Pocket plastic net x 1(Washable)			
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2			

The values are for simultaneous Multi operation.

R32			Micro Inverter			
Set model name			FDT100VSAWPVH	FDT125VSAWPVH	FDT140VSAWPVH	FDT140VSAWTVH
			Twin		Triple	
Indoor unit			FDT50VH x 2	FDT60VH x 2	FDT71VH x 2	FDT50VH x 3
Outdoor unit			FDC100VSA-W	FDC125VSA-W	FDC140VSA-W	FDC140VSA-W
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)
Power consumption	Cooling/Heating	kW	2.82 / 2.73	3.79 / 3.31	4.22 / 3.57	4.22 / 3.57
EER/COP	Cooling/Heating		3.55 / 4.11	3.30 / 4.23	3.22 / 4.34	3.22 / 3.88
Inrush current		A	5	5	5	5
Max. current			15	15	15	15
Sound power level* ¹	Indoor* ³	Cooling/Heating	55 / 56	58 / 59	59 / 60	55 / 56
	Outdoor	Cooling/Heating	69 / 70	71 / 71	72 / 73	72 / 73
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26	41 / 33 / 30 / 26
		Heating (P-Hi/Hi/Me/Lo)	42 / 33 / 28 / 20	44 / 34 / 30 / 20	46 / 34 / 31 / 26	42 / 33 / 28 / 20
	Outdoor	Cooling/Heating	54 / 55	54 / 56	56 / 58	56 / 58
		Cooling (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10
Air flow	Indoor* ³	Heating (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950		
	Outdoor			845 x 970 x 370		
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)	26(Unit:21 Standard Panel:5)	24(Unit:19 Standard Panel:5)
	Outdoor			78		
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			m	Max.50		
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~50* ²			
	Heating		-20~20			
Panel			T-PSA-5AW-E, T-PSAE-5AW-E			
Air filter, Q'ty			Pocket plastic net x 1(Washable)			
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2			

SPECIFICATIONS -FDT-

R410A				Micro Inverter					
Set model name				FDT100VNAVH		FDT125VNAVH		FDT140VNAVH	
Indoor unit				FDT100VH		FDT125VH		FDT140VH	
Outdoor unit				FDC100VNA		FDC125VNA		FDC140VNA	
Power source				1 Phase 220-240V, 50Hz / 220V, 60Hz					
Nominal cooling capacity (Min~Max)		kW		10.0 (4.0 ~ 11.2)		12.5 (5.0 ~ 14.0)		13.6 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)		kW		11.2 (4.0 ~ 12.5)		14.0 (4.0 ~ 16.0)		15.5 (4.0 ~ 16.5)	
Power consumption		Cooling/Heating	kW	2.73 / 2.64		4.05 / 3.74		5.09 / 4.43	
EER/COP		Cooling/Heating		3.26 / 4.26		3.09 / 3.74		2.67 / 3.50	
Inrush current				5		5		5	
Max. current				24		24		24	
Sound power level* ¹	Indoor	Cooling/Heating	dB(A)	62 / 62		63 / 64		63 / 64	
	Outdoor	Cooling/Heating		70 / 70		71 / 71		73 / 73	
Sound pressure level* ¹	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	47 / 39 / 36 / 30		48 / 41 / 39 / 31		48 / 42 / 39 / 32	
		Heating (P-Hi/Hi/Me/Lo)		47 / 39 / 36 / 29		48 / 41 / 38 / 31		48 / 41 / 38 / 31	
	Outdoor	Cooling/Heating		54 / 56		55 / 57		57 / 59	
		Cooling (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17		38 / 28 / 25 / 18		38 / 29 / 26 / 19	
	Outdoor	Cooling/Heating		75 / 73		75 / 73		75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950					
	Outdoor			845 x 970 x 370					
Net weight	Indoor		kg	30(Unit:25 Standard Panel:5)					
	Outdoor			80					
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")					
Refrigerant line (one way) length				Max.50					
Vertical height differences		Outdoor is higher/lower		Max.50 / Max.15					
Outdoor operating temperature range	Cooling	°C	-15~50* ²						
	Heating		-20~20						
Panel				T-PSA-5AW-E, T-PSAE-5AW-E					
Air filter, Q'ty				Pocket plastic net x 1(Washable)					
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2					

R410A			Micro Inverter			
Set model name			FDT100VSAVH		FDT125VSAVH	FDT140VSAVH
Indoor unit			FDT100VH	FDT125VH	FDT140VH	
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA	
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz			
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	
Power consumption		Cooling/Heating	2.73 / 2.63	4.05 / 3.74	5.09 / 4.43	
EER/COP		Cooling/Heating	3.66 / 4.26	3.09 / 3.74	2.67 / 3.50	
Inrush current		A	5	5	5	
Max. current			15	15	15	
Sound power level*1	Indoor	Cooling/Heating	62 / 62	63 / 64	63 / 64	
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73	
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 30	48 / 41 / 39 / 31	48 / 42 / 39 / 32	
		Heating (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 29	48 / 41 / 38 / 31	48 / 41 / 38 / 31	
	Outdoor	Cooling/Heating	54 / 56	55 / 57	57 / 59	
		Indoor	Cooling (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18	38 / 29 / 26 / 19
Air flow	Heating (P-Hi/Hi/Me/Lo)		37 / 26 / 23 / 17	38 / 28 / 25 / 18	38 / 29 / 26 / 19	
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950		
	Outdoor			845 x 970 x 370		
Net weight	Indoor		kg	30(Unit:25 Standard Panel:5)		
	Outdoor			82		
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")		
Refrigerant line (one way) length			m	Max.50		
Vertical height differences			Outdoor is higher/lower	Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~50*2			
	Heating		-20~20			
Panel			T-PSA-5AW-E, T-PSAE-5AW-E			
Air filter, Q'ty			Pocket plastic net x 1(Washable)			
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2			

NOTES:

The data are measured under the following conditions(ISO-T1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

*3 : The values are for one indoor unit operation. (Multi system only)

The values are for simultaneous Multi operation.

R410A				Micro Inverter			
Set model name				FDT100VNAPVH	FDT125VNAPVH	FDT140VNAPVH	FDT140VNATVH
				Twin		Triple	
Indoor unit			FDT50VH x 2	FDT60VH x 2	FDT71VH x 2	FDT50VH x 3	
Outdoor unit			FDC100VNA	FDC125VNA	FDC140VNA	FDC140VNA	
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz				
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)	13.6 (5.0 ~ 14.5)	
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	15.5 (4.0 ~ 16.5)	
Power consumption	Cooling/Heating	kW	2.82 / 2.90	3.79 / 3.31	4.22 / 3.72	4.22 / 3.29	
EER/COP	Cooling/Heating		3.55 / 3.86	3.30 / 4.23	3.22 / 4.17	3.22 / 4.71	
Inrush current		A	5	5	5	5	
Max. current			24	24	24	24	
Sound power level*1	Indoor*3	Cooling/Heating	dB(A)	55 / 56	58 / 59	59 / 60	55 / 56
	Outdoor	Cooling/Heating		70 / 70	71 / 71	73 / 73	73 / 73
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m³/min	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26	41 / 33 / 30 / 26
		Heating (P-Hi/Hi/Me/Lo)		42 / 33 / 28 / 20	44 / 34 / 30 / 23	46 / 34 / 31 / 26	42 / 33 / 28 / 20
Air flow	Indoor*3	Cooling/Heating	54 / 56	55 / 57	57 / 59	57 / 59	
		Cooling (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10	
		Heating (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12	22 / 16 / 13 / 10	
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	75 / 73	
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950			
	Outdoor			845 x 970 x 370			
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)	24(Unit:19 Standard Panel:5)
	Outdoor			80			
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")			
Refrigerant line (one way) length			m	Max.50			
Vertical height differences		Outdoor is higher/lower	m	Max.50 / Max.15			
Outdoor operating temperature range	Cooling	°C	-15~50*2				
	Heating		-20~20				
Panel			T-PSA-5AW-E, T-PSAE-5AW-E				
Air filter, Q'ty			Pocket plastic net x 1(Washable)				
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2				

The values are for simultaneous Multi operation.

R410A			Micro Inverter		
Set model name			FDT100VSAPVH	FDT125VSAPVH	FDT140VSAPVH
			Twin		
Indoor unit			FDT50VH x 2	FDT60VH x 2	FDT71VH x 2
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA
Power source			3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	10.0 (4.0 ~ 11.2)	12.5 (5.0 ~ 14.0)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)		kW	11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)
Power consumption	Cooling/Heating	kW	2.82 / 2.90	3.79 / 3.31	4.22 / 3.72
EER/COP	Cooling/Heating		3.55 / 3.86	3.30 / 4.23	3.22 / 4.17
Inrush current		A	5	5	5
Max. current			15	15	15
Sound power level* ¹	Indoor* ³	Cooling/Heating	55 / 56	58 / 59	59 / 60
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	41 / 33 / 30 / 26	44 / 34 / 30 / 27	46 / 34 / 31 / 26
		Heating (P-Hi/Hi/Me/Lo)	42 / 33 / 28 / 20	44 / 34 / 30 / 23	46 / 34 / 31 / 26
Air flow	Outdoor	Cooling/Heating	54 / 56	55 / 57	57 / 59
	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12
		Heating (P-Hi/Hi/Me/Lo)	22 / 16 / 13 / 10	26 / 17 / 14 / 11	28 / 18 / 15 / 12
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950	
	Outdoor			845 x 970 x 370	
Net weight	Indoor		kg	24(Unit:19 Standard Panel:5)	
	Outdoor			26(Unit:21 Standard Panel:5)	
			82		
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 15.88(5/8")	
Refrigerant line (one way) length			m	Max.50	
Vertical height differences			Outdoor is higher/lower	Max.50 / Max.15	
Outdoor operating temperature range	Cooling	°C	-15~50* ²		
	Heating		-20~20		
Panel			T-PSA-5AW-E, T-PSAE-5AW-E		
Air filter, Q'ty			Pocket plastic net x 1(Washable)		
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2		

SPECIFICATIONS -FDT-

The values are for simultaneous Multi operation.

R410A		Micro Inverter		
Set model name		FDT200VSAPVH	FDT250VSAPVH	FDT140VSATVH
		Twin		Triple
Indoor unit		FDT100VH x 2	FDT125VH x 2	FDT50VH x 3
Outdoor unit		FDC200VSA	FDC250VSA	FDC140VSA
Power source		3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)	kW	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)	13.6 (5.0 ~ 14.5)
Nominal heating capacity (Min~Max)	kW	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)	15.5 (4.0 ~ 16.5)
Power consumption	Cooling/Heating	6.25 / 6.02	8.36 / 7.15	4.22 / 3.29
EER/COP	Cooling/Heating	3.04 / 3.72	2.87 / 3.78	3.22 / 4.71
Inrush current		5	5	5
Max. current		20	21	15
Sound power level* ¹	Indoor* ³ Cooling/Heating	62 / 62	63 / 64	55 / 56
	Outdoor Cooling/Heating	72 / 74	73 / 75	73 / 73
Sound pressure level* ¹	Indoor* ³ Cooling (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 30	48 / 41 / 39 / 31	41 / 33 / 30 / 26
	Heating (P-Hi/Hi/Me/Lo)	47 / 39 / 36 / 29	48 / 41 / 38 / 31	42 / 33 / 28 / 20
	Outdoor Cooling/Heating	58 / 59	59 / 62	57 / 59
Air flow	Indoor* ³ Cooling (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18	22 / 16 / 13 / 10
	Heating (P-Hi/Hi/Me/Lo)	37 / 26 / 23 / 17	38 / 28 / 25 / 18	22 / 16 / 13 / 10
	Outdoor Cooling/Heating	135 / 135	143 / 151	75 / 73
Exterior dimensions	Indoor HeightxWidthxDepth	Unit: 298 x 840 x 840 Panel: 35 x 950 x 950		Unit: 236 x 840 x 840 Panel: 35 x 950 x 950
	Outdoor	1,300 x 970 x 370	1,505 x 970 x 370	845 x 970 x 370
Net weight	Indoor	30(Unit:25 Standard Panel:5)		24(Unit:19 Standard Panel:5)
	Outdoor	115	143	82
Ref.piping size	Liquid/Gas	9.52(3/8") / 22.22(7/8")	12.7(1/2") / 22.22(7/8")	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length		Max.70		Max.50
Vertical height differences	Outdoor is higher/lower	Max.30 / Max.15		Max.50 / Max.15
Outdoor operating temperature range	Cooling	-15~50* ²		-20~20
	Heating	-15~20		
Panel		T-PSA-5AW-E, T-PSAE-5AW-E		
Air filter, Q'ty		Pocket plastic net x 1(Washable)		
Remote control (option)		wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2		

The values are for simultaneous Multi operation.

R410A				Micro Inverter					
Set model name				FDT200VSATVH		FDT200VSADVH		FDT250VSADVH	
				Triple		Double Twin			
Indoor unit				FDT71VH x 3		FDT50VH x 4		FDT60VH x 4	
Outdoor unit				FDC200VSA		FDC200VSA		FDC250VSA	
Power source				3 Phase 380-415V, 50Hz / 380V, 60Hz					
Nominal cooling capacity (Min~Max)		kW		19.0 (5.2 ~ 22.4)		19.0 (5.2 ~ 22.4)		24.0 (6.9 ~ 28.0)	
Nominal heating capacity (Min~Max)		kW		22.4 (3.3 ~ 25.0)		22.4 (3.3 ~ 25.0)		27.0 (5.5 ~ 31.5)	
Power consumption	Cooling/Heating	kW		6.01 / 5.76		6.26 / 6.15		7.43 / 6.83	
EER/COP	Cooling/Heating			3.16 / 3.89		3.04 / 3.64		3.23 / 3.95	
Inrush current			A	5		5		5	
Max. current				20		20		21	
Sound power level* ¹	Indoor* ³	Cooling/Heating	dB(A)	59 / 60		55 / 56		58 / 59	
	Outdoor	Cooling/Heating		72 / 74		72 / 74		73 / 75	
Sound pressure level* ¹	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)		46 / 34 / 31 / 26		41 / 33 / 30 / 26		44 / 34 / 30 / 27	
		Heating (P-Hi/Hi/Me/Lo)		46 / 34 / 31 / 26		42 / 33 / 28 / 20		44 / 34 / 30 / 23	
	Outdoor	Cooling/Heating		58 / 59		58 / 59		59 / 62	
Air flow	Indoor* ³	Cooling (P-Hi/Hi/Me/Lo)		m³/min	28 / 18 / 15 / 12		22 / 16 / 13 / 10		26 / 17 / 14 / 11
		Heating (P-Hi/Hi/Me/Lo)	28 / 18 / 15 / 12		22 / 16 / 13 / 10		26 / 17 / 14 / 11		
	Outdoor	Cooling/Heating	135 / 135		135 / 135		143 / 151		
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950					
	Outdoor			1,300 x 970 x 370		1,505 x 970 x 370			
Net weight	Indoor		kg	26(Unit:21 Standard Panel:5)		24(Unit:19 Standard Panel:5)		26(Unit:21 Standard Panel:5)	
	Outdoor			115		143			
Ref.piping size	Liquid/Gas		ømm	9.52(3/8") / 22.22(7/8")		12.7(1/2") / 22.22(7/8")			
Refrigerant line (one way) length			m	Max.70					
Vertical height differences		Outdoor is higher/lower		Max.30 / Max.15					
Outdoor operating temperature range	Cooling		°C	-15~50* ²					
	Heating			-15~20					
Panel				T-PSA-5AW-E, T-PSAE-5AW-E					
Air filter, Q'ty				Pocket plastic net x 1(Washable)					
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2					

NOTES:

The data are measured under the following conditions(R410A : ISO-T1, R32 : ISO-T1, H1).

Cooling:Indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating:Indoor temp. of 20°CDB, and outdoor temp. of 7°CDB, 6°CWB.

*1 : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

*2 : If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.

*3 : The values are for one indoor unit operation. (Multi system only)

R32			Standard Inverter		
Set model name			FDT71VNPWVH	FDT90VNPWVH	FDT100VNPWVH
Indoor unit			FDT71VH	FDT100VH	FDT100VH
Outdoor unit			FDC71VNP-W	FDC90VNP-W	FDC100VNP-W
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	7.1 (1.5 ~ 7.3)	9.0 (2.1 ~ 9.5)	10.0 (2.1 ~ 10.2)
Nominal heating capacity (Min~Max)		kW	7.1 (1.1 ~ 7.3)	9.0 (1.7 ~ 9.5)	10.0 (1.7 ~ 10.4)
Power consumption		Cooling/Heating kW	2.31 / 1.73	2.48 / 1.90	2.84 / 2.33
EER/COP		Cooling/Heating	3.07 / 4.10	3.63 / 4.74	3.52 / 4.29
Inrush current		A	5	5	5
Max. current			15.8	19	19
Sound power level*1	Indoor	Cooling/Heating	59 / 60	62 / 62	62 / 62
	Outdoor	Cooling/Heating	67 / 67	67 / 66	68 / 67
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	46 / 34 / 31 / 26	47 / 39 / 36 / 30
		Heating (P-Hi/Hi/Me/Lo)		46 / 34 / 31 / 26	47 / 39 / 36 / 29
	Outdoor	Cooling/Heating		54 / 54	55 / 53
		Cooling (P-Hi/Hi/Me/Lo)		28 / 18 / 15 / 12	37 / 26 / 23 / 17
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	m³/min	28 / 18 / 15 / 12	36 / 26 / 23 / 17
		Cooling/Heating		42 / 42	59 / 55
	Outdoor	Cooling/Heating			63 / 55
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950	
	Outdoor			640 x 800(+71) x 290	
Net weight	Indoor		kg	26(Unit:21 Standard Panel:5)	
	Outdoor			57	
Ref.piping size	Liquid/Gas		ømm	6.35(1/4") / 12.7(1/2")	
Refrigerant line (one way) length			m	Max.30	
Vertical height differences			Outdoor is higher/lower	Max.20 / Max.20	
Outdoor operating temperature range		Cooling Heating	°C	-15~46*2 -15~20	
Panel				T-PSA-5AW-E, T-PSAE-5AW-E	
Air filter, Q'ty				Pocket Plastic net x1(Washable)	
Remote control (option)				wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2	

R410A			Standard Inverter		
Set model name			FDT71VNPVH	FDT90VNP1VH	FDT100VNP1VH
Indoor unit			FDT71VH	FDT100VH	FDT100VH
Outdoor unit			FDC71VNP	FDC90VNP1	FDC100VNP
Power source			1 Phase 220-240V, 50Hz / 220V, 60Hz		
Nominal cooling capacity (Min~Max)		kW	7.1 (1.4 ~ 7.1)	9.0 (1.9 ~ 9.0)	10.0 (2.8 ~ 11.2)
Nominal heating capacity (Min~Max)		kW	7.1 (1.0 ~ 7.1)	9.0 (1.5 ~ 9.0)	11.2 (2.5 ~ 12.5)
Power consumption	Cooling/Heating	kW	2.31 / 1.73	2.67 / 2.19	2.76 / 2.84
EER/COP	Cooling/Heating		3.07 / 4.10	3.37 / 4.11	3.62 / 3.94
Inrush current		A	5	5	5
Max. current			14.5	18	21
Sound power level*1	Indoor	Cooling/Heating	dB(A)	59 / 60	62 / 62
	Outdoor			Cooling/Heating	67 / 67
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)		46 / 34 / 31 / 26	47 / 39 / 36 / 30
		Heating (P-Hi/Hi/Me/Lo)		46 / 34 / 31 / 26	47 / 39 / 36 / 29
Air flow	Outdoor	Cooling/Heating	54 / 54	57 / 55	
	Indoor	Cooling (P-Hi/Hi/Me/Lo)	28 / 18 / 15 / 12	37 / 26 / 23 / 17	
		Heating (P-Hi/Hi/Me/Lo)	28 / 18 / 15 / 12	37 / 26 / 23 / 17	
		Outdoor	Cooling/Heating	36 / 36	63 / 49.5
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 236 x 840 x 840 Panel: 35 x 950 x 950	
	Outdoor			640 x 800(+71) x 290	
Net weight	Indoor		kg	26(Unit:21 Standard Panel:5)	
	Outdoor			45	
Ref.piping size	Liquid/Gas	ømm	6.35(1/4") / 12.7(1/2")		
Refrigerant line (one way) length		m	Max.30		
Vertical height differences		Outdoor is higher/lower	m	Max.20 / Max.20	
Outdoor operating temperature range	Cooling	°C	-15~46*2		
	Heating		-15~20		
Panel			T-PSA-5AW-E, T-PSAE-5AW-E		
Air filter, Q'ty			Pocket Plastic net x1(Washable)		
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 wireless:RCN-T-5AW-E2		