

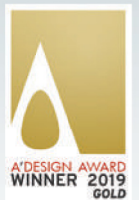
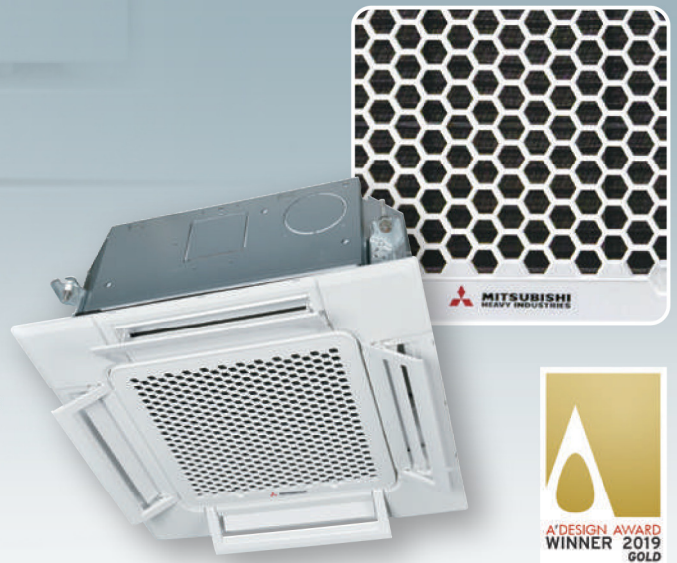
Ceiling Cassette
4way compact

New

FDTC



- More comfort and Higher energy savings
- New European design
- Lower noise



European Design & Flat Panel

A' Design Award and Competition is the World's largest, most prestigious and influential design accolade, the highest achievement in design. A' Design Award Winner Logo, symbolizes exceptional design excellence in your products, projects and services.

Thin Panel

FDTC thin panel fit within 10mm from the ceiling.

Unique Grille Design

Honeycomb grille

Big Louver

Improved distribution

Compact Design

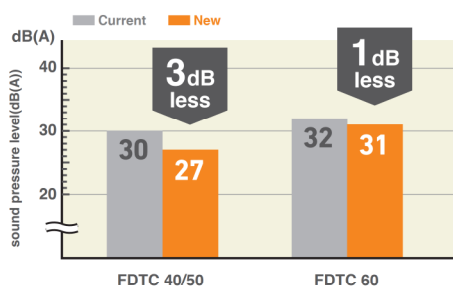
□ 700mm → □ 620mm

It's only 14kg
Height of thin panel and main body is only 248mm allowing a very easy installation.

Integrated Ceiling System Design(600x600)

Quieter Operation

(Sound Pressure level in the Lo mode)



Adopting new turbo fan and improving new heat exchanger enables noise reduction.



Draft Prevention Panel and Motion Sensor (option)



Draft prevention panel and motion sensor are available on FDTC, just like on FDT.

FDTC

Indoor Unit Ceiling Cassette -4way Compact

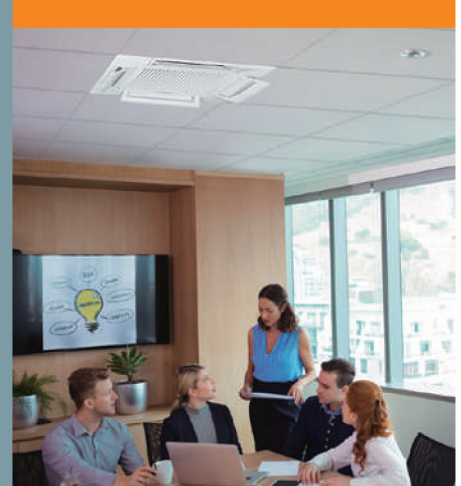
New



FDTC 40/50/60



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-TC-5AW-E2

*Not all functions available with all remote control options.

European Design & Flat Panel

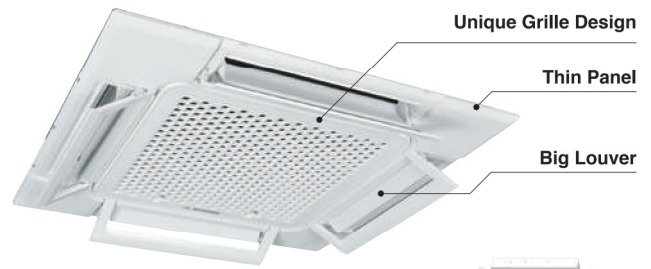
Integrated ceiling system design (600x600)

A grille designed with a unique structure and a clean white panel that blends with the room. This design was invented by zweigrad GmbH & Co. KG in Germany.



Compact Design

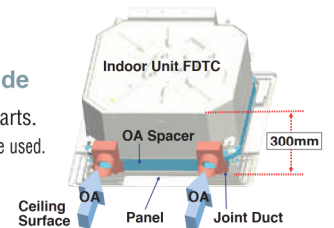
It's only 14kg
Height of thin panel and main body is only 248mm allowing a very easy installation.



Taking OA (Outside Air) into inside

Fresh air can be taken in without optional parts. When the fresh air is insufficient, optional parts can be used.

OA Spacer TC-OAS-E2(option)
Joint Duct TC-OAD-E(option)



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.



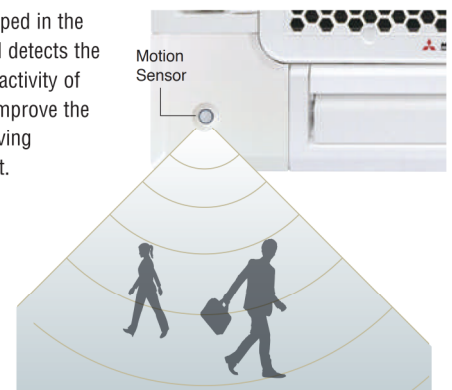
User can position panels by using the remote controller only (RC-EX3A, RCN-TC-5AW-E2) when Draft Prevention Panel is available.

Motion Sensor (Option)

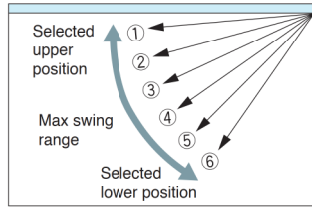
Motion sensor is equipped in the corner of the panel and detects the presence/absence and activity of humans in a room to improve the comfort and energy saving performance of the unit.



LB-TC-5W-E



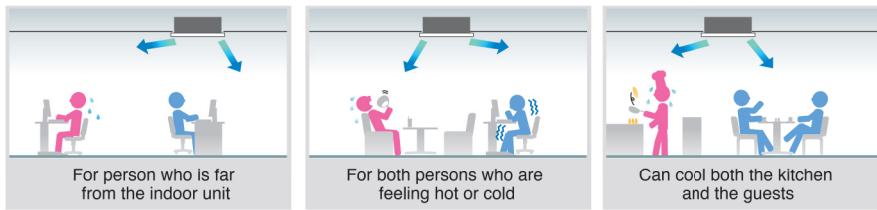
Individual Flap Control System



According to room temperature conditions, four directions of air flow can be controlled individually by following Flap control system. Individual flap control is available even after installation.

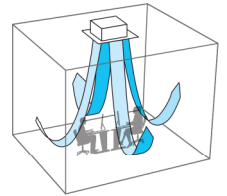
The flap can swing within the range of upper and lower flap position selected with wired remote control.

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



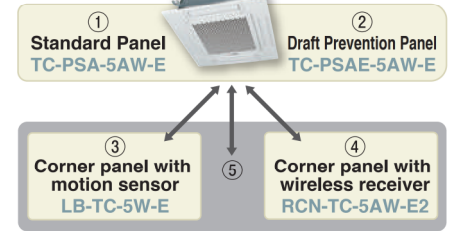
Suitable for High ceilings

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

(Option)

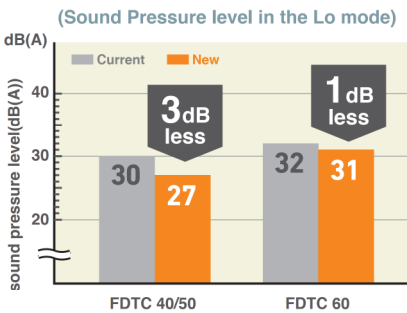


8 patterns of panel are available.

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

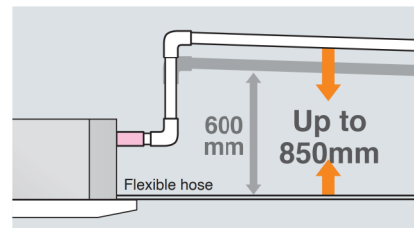
Quieter Operation

Adopting new turbo fan and improving new heat exchanger enables noise reduction.



850mm Drain Pump

Drain can be discharged upward by 850mm from the ceiling surface close to the indoor unit. It allows a piping layout with a high degree of freedom depending on the installation location.

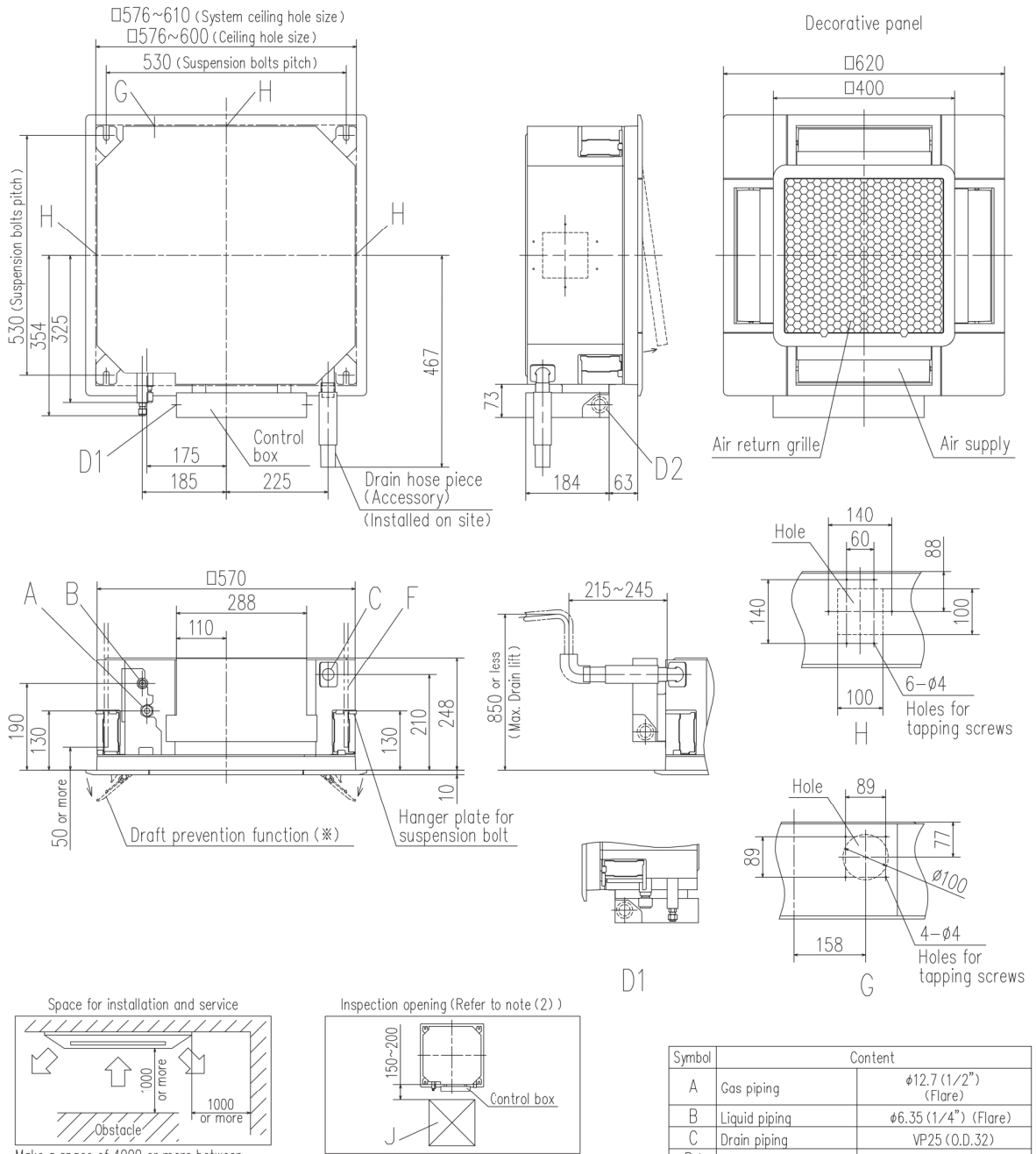


OUTDOOR UNIT

		Hyper Inverter		
SRC · FDC		40~60ZSX-W1	71VNX-W	100~140VN(S)X-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		
FDC		100~140VN(S)A-W	-	-
		100~140VN(S)A	200VSA	250VSA
model				
Chargeless		30m		
Height x Width x Depth (mm)		845 x 970 x 370	1,300 x 970 x 370	1,505 x 970 x 370

■ DIMENSIONS (Unit:mm) - FDTC -



Make a space of 4000 or more between the units when installing more than one.

- Notes (1) The model name label is attached to the control box lid.
 (2) This unit is designed for 2x2 grid ceiling.
 If it is installed on a ceiling other than 2x2 grid ceiling, provide an inspection opening on the control box side.
 (3) Draft prevention function (*) is provided on the panel TC-PSAE-5AW-E only.

Symbol	Content	
A	Gas piping	$\phi 12.7$ (1/2") (Flare)
B	Liquid piping	$\phi 6.35$ (1/4") (Flare)
C	Drain piping	VP25 (O.D.32)
D1	Power supply connection	
D2	Remote control code and signal wiring connection	
F	Suspension bolts	(M10 or M8)
G	Outside air opening for ducting	(Knock out)
H	Air outlet opening for ducting	$\phi 125$ (Knock out)
J	Inspection opening	450X450

SPECIFICATIONS -FDTC-

R32		Hyper Inverter			
		FDTC40ZSXW1VH	FDTC50ZSXW1VH	FDTC60ZSXW1VH	
Set model name					
Indoor unit		FDTC40VH	FDTC50VH	FDTC60VH	
Outdoor unit		SRC40ZSX-W1	SRC50ZSX-W1	SRC60ZSX-W1	
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)	
Nominal heating capacity (Min~Max)		kW 4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 6.7)	
Power consumption	Cooling/Heating	kW 0.98 / 1.13	1.40 / 1.53	1.73 / 2.14	
EER/COP	Cooling/Heating	4.08 / 3.98	3.58 / 3.53	3.23 / 3.13	
Inrush current	A	5	5	5	
Max. current		15	15	15	
Sound power level*1	Indoor	Cooling/Heating	59 / 59	59 / 59	60 / 60
	Outdoor	Cooling/Heating	63 / 62	63 / 62	65 / 65
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
	Outdoor	Cooling/Heating	52 / 50	52 / 50	53 / 54
		Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
Air flow	Indoor	Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
		Cooling/Heating	39 / 33	39 / 33	41.5 / 39
	Outdoor	Cooling/Heating	39 / 33	39 / 33	41.5 / 39
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor	HeightxWidthxDepth	640 x 800(+71) x 290		
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)		
	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	°C	-20~24		
Panel			TC-PSA-5AW-E, TC-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-TC-5AW-E2		

The values are for simultaneous Multi operation.

R32		Hyper Inverter			
		FDTC71VNXWPVH	FDTC100VNXWPVH	FDTC125VNXWPVH	FDTC140VNXWTVH
Set model name			Twin		Triple
Indoor unit		FDTC40VH x 2	FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3
Outdoor unit		FDC71VNX-W	FDC100VNX-W	FDC125VNX-W	FDC140VNX-W
Power source		1 Phase 220-240V, 50Hz / 220V, 60Hz			
Nominal cooling capacity (Min~Max)		kW 7.1 (3.2 ~ 8.0)	10.0 (3.5 ~ 11.2)	12.5 (3.5 ~ 14.0)	14.0 (3.5 ~ 16.0)
Nominal heating capacity (Min~Max)		kW 8.0 (3.6 ~ 9.0)	11.2 (2.7 ~ 12.5)	14.0 (2.7 ~ 17.0)	16.0 (2.7 ~ 18.0)
Power consumption	Cooling/Heating	kW 1.73 / 1.83	2.60 / 3.04	3.67 / 4.05	3.96 / 4.34
EER/COP	Cooling/Heating	4.12 / 4.37	3.84 / 3.69	3.41 / 3.45	3.54 / 3.69
Inrush current	A	5	5	5	5
Max. current		19.1	25	27	27
Sound power level*1	Indoor*3	Cooling/Heating	59 / 59	59 / 59	59 / 59
	Outdoor	Cooling/Heating	66 / 66	67 / 67	68 / 70
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	44 / 40 / 35 / 27
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	44 / 40 / 35 / 27
	Outdoor	Cooling/Heating	51 / 51	53 / 51	53 / 54
		Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	13 / 11 / 9 / 7
Air flow	Indoor*3	Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	13 / 11 / 9 / 7
		Cooling/Heating	60 / 50	100 / 100	100 / 100
	Outdoor	Cooling/Heating	60 / 50	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor	HeightxWidthxDepth	750 x 880(+88) x 340 1,300 x 970 x 370		
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)		
	Outdoor		60 97		
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 Max.50 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15-50*2		
	Heating	°C	-20~20		
Panel			TC-PSA-5AW-E, TC-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-TC-5AW-E2		

NOTES:

<p>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.</p>
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SPECIFICATIONS -FDTC-

The values are for simultaneous Multi operation.

R32				Hyper Inverter		
Set model name				FDTC100VSXWVPVH	FDTC125VSXWVPVH	FDTC140VSXWTVH
				Twin		Triple
Indoor unit				FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3
Outdoor unit				FDC100VSX-W	FDC125VSX-W	FDC140VSX-W
Power source				3 Phase 380-415V, 50Hz / 380V, 60Hz		
Nominal cooling capacity (Min~Max)		kW		10.0 (3.5 ~ 11.2)	12.5 (3.5 ~ 14.0)	14.0 (3.5 ~ 16.0)
Nominal heating capacity (Min~Max)		kW		11.2 (2.7 ~ 16.0)	14.0 (2.7 ~ 18.0)	16.0 (2.7 ~ 20.0)
Power consumption	Cooling/Heating	kW		2.60 / 3.04	3.67 / 4.05	3.96 / 4.34
EER/COP	Cooling/Heating			3.84 / 3.69	3.41 / 3.45	3.54 / 3.69
Inrush current			A	5	5	5
Max. current				14	14	14
Sound power level*1	Indoor*3	Cooling/Heating		59 / 59	60 / 60	59 / 59
	Outdoor	Cooling/Heating		67 / 67	68 / 70	69 / 71
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
		Heating (P-Hi/Hi/Me/Lo)		44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
	Outdoor	Cooling/Heating		53 / 51	53 / 54	54 / 54
		Cooling/Heating		13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)		13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
	Outdoor	Cooling/Heating		100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor			1,300 x 970 x 370		
Net weight	Indoor		kg	16.5(Unit:14 Standard Panel:2.5)		
	Outdoor			99		
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.50 / Max.15		
Outdoor operating temperature range	Cooling		°C	-15-50*2		
	Heating			-20~20		
Panel				TC-PSA-5AW-E, TC-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-TC-5AW-E2		

R410A				Hyper Inverter		
Set model name				FDTC40ZSXVH	FDTC50ZSXVH	FDTC60ZSXVH
Indoor unit				FDTC40VH	FDTC50VH	FDTC60VH
Outdoor unit				SRC40ZSX-S	SRC50ZSX-S	SRC60ZSX-S
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)
Nominal heating capacity (Min~Max)		kW		4.5 (0.6 ~ 5.4)	5.4 (0.6 ~ 6.3)	6.7 (0.6 ~ 6.7)
Power consumption	Cooling/Heating	kW		0.98 / 1.13	1.43 / 1.53	1.76 / 2.14
EER/COP	Cooling/Heating			4.08 / 3.98	3.50 / 3.53	3.18 / 3.13
Inrush current			A	5	5	5
Max. current				12	15	15
Sound power level*1	Indoor	Cooling/Heating	dB(A)	59 / 59	59 / 59	60 / 60
	Outdoor	Cooling/Heating		63 / 63	63 / 63	65 / 64
Sound pressure level*1	Indoor	Cooling (P-Hi/Hi/Me/Lo)	dB(A)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
		Heating (P-Hi/Hi/Me/Lo)		44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
	Outdoor	Cooling/Heating		50 / 49	50 / 49	52 / 52
		Cooling/Heating		13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
Air flow	Indoor	Cooling (P-Hi/Hi/Me/Lo)	m³/min	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
		Heating (P-Hi/Hi/Me/Lo)		13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
	Outdoor	Cooling/Heating		36 / 33	40 / 33	41.5 / 39
Exterior dimensions	Indoor	HeightxWidthxDepth	mm	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor			640 x 800(+71) x 290		
Net weight	Indoor		kg	16.5(Unit:14 Standard Panel:2.5)		
	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			-20~24		
Panel				TC-PSA-5AW-E, TC-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-TC-5AW-E2		

NOTES:

The data are measured under the following conditions(R32 : ISO-T1, H1, R410A : 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		Hyper Inverter			
Set model name		FDTC71VNXPVH	FDTC100VNXPVH	FDTC125VNXPVH	FDTC140VNXTVH
		Twin		Triple	
Indoor unit		FDTC40VH x 2	FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3
Outdoor unit		FDC71VNX	FDC100VNX	FDC125VNX	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)
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)
Power consumption	Cooling/Heating	2.03 / 1.64	2.80 / 3.50	4.10 / 4.10	4.20 / 4.34
EER/COP	Cooling/Heating	3.50 / 4.88	3.57 / 3.20	3.05 / 3.41	3.33 / 3.69
Inrush current		5	5	5	5
Max. current		17	24	24	26
Sound power level*1	Indoor*3	Cooling/Heating	59 / 59	59 / 59	60 / 60
	Outdoor	Cooling/Heating	66 / 66	70 / 70	70 / 70
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31
	Outdoor	Cooling/Heating	51 / 48	48 / 50	48 / 50
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
		Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8
	Outdoor	Cooling/Heating	60 / 50	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor		750 x 880(+88) x 340	1,300 x 970 x 370	
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)		
	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			TC-PSA-5AW-E, TC-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-TC-5AW-E2		

The values are for simultaneous Multi operation.

R410A		Hyper Inverter			
Set model name		FDTC100VSNXPVH	FDTC125VSNXPVH	FDTC140VSNXTVH	
		Twin		Triple	
Indoor unit		FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3	
Outdoor unit		FDC100VSNX	FDC125VSNX	FDC140VSNX	
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	2.80 / 3.50	4.10 / 4.10	4.20 / 4.34	
EER/COP	Cooling/Heating	3.57 / 3.20	3.05 / 3.41	3.33 / 3.69	
Inrush current		5	5	5	
Max. current		15	15	15	
Sound power level*1	Indoor*3	Cooling/Heating	59 / 59	60 / 60	59 / 59
	Outdoor	Cooling/Heating	70 / 70	70 / 70	72 / 72
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
	Outdoor	Cooling/Heating	48 / 50	48 / 50	49 / 52
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
	Outdoor	Cooling/Heating	100 / 100	100 / 100	100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor		1,300 x 970 x 370		
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)		
	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			TC-PSA-5AW-E, TC-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-TC-5AW-E2		

SPECIFICATIONS -FDTC-

The values are for simultaneous Multi operation.

R32				Micro Inverter					
Set model name				FDTC100VNAWPVH		FDTC125VNAWPVH		FDTC140VNAWTVH	
				Twin		Twin		Triple	
Indoor unit				FDTC50VH x 2		FDTC60VH x 2		FDTC50VH x 3	
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		3.15 / 3.05		4.90 / 4.30		4.75 / 4.60	
EER/COP		Cooling/Heating		3.17 / 3.67		2.55 / 3.26		2.86 / 3.37	
Inrush current				5		5		5	
Max. current		A		24		24		24	
Sound power level*1		Indoor*3 Cooling/Heating		59 / 59		59 / 59		59 / 59	
		Outdoor Cooling/Heating		69 / 70		71 / 71		72 / 73	
Sound pressure level*1		Indoor*3		Cooling (P-Hi/Hi/Me/Lo) dB(A)		44 / 40 / 35 / 27		44 / 40 / 35 / 27	
				Heating (P-Hi/Hi/Me/Lo)		44 / 40 / 35 / 27		44 / 40 / 35 / 27	
		Outdoor		Cooling/Heating		54 / 55		54 / 56	
				Air flow		Cooling (P-Hi/Hi/Me/Lo) m³/min		13 / 11 / 9 / 7	
				Heating (P-Hi/Hi/Me/Lo)		13 / 11 / 9 / 7		13 / 11 / 9 / 7	
				Outdoor Cooling/Heating		75 / 73		75 / 73	
Exterior dimensions		Indoor Outdoor		HeightxWidthxDepth mm		Unit: 248 x 570 x 570 Panel: 10 x 620 x 620			
						845 x 970 x 370			
Net weight		Indoor Outdoor		kg		16.5(Unit:14 Standard Panel:2.5)			
						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 Heating		°C		-15~50*2			
						-20~20			
Panel						TC-PSA-5AW-E, TC-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-TC-5AW-E2			

The values are for simultaneous Multi operation.

R32				Micro Inverter					
Set model name				FDTC100VSAWPVH		FDTC125VSAWPVH		FDTC140VSAWTVH	
				Twin		Twin		Triple	
Indoor unit				FDTC50VH x 2		FDTC60VH x 2		FDTC50VH x 3	
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		3.15 / 3.05		4.90 / 4.30		4.75 / 4.60	
EER/COP		Cooling/Heating		3.17 / 3.67		2.55 / 3.26		2.86 / 3.37	
Inrush current				5		5		5	
Max. current		A		15		15		15	
Sound power level*1		Indoor*3 Cooling/Heating		59 / 59		59 / 59		59 / 59	
		Outdoor Cooling/Heating		69 / 70		71 / 71		72 / 73	
Sound pressure level*1		Indoor*3		Cooling (P-Hi/Hi/Me/Lo) dB(A)		44 / 40 / 35 / 27		44 / 40 / 35 / 27	
				Heating (P-Hi/Hi/Me/Lo)		44 / 40 / 35 / 27		44 / 40 / 35 / 27	
		Outdoor		Cooling/Heating		54 / 56		54 / 56	
				Air flow		Cooling (P-Hi/Hi/Me/Lo) m³/min		13 / 11 / 9 / 7	
				Heating (P-Hi/Hi/Me/Lo)		13 / 11 / 9 / 7		13 / 11 / 9 / 7	
				Outdoor Cooling/Heating		75 / 73		75 / 73	
Exterior dimensions		Indoor Outdoor		HeightxWidthxDepth mm		Unit: 248 x 570 x 570 Panel: 10 x 620 x 620			
						845 x 970 x 370			
Net weight		Indoor Outdoor		kg		16.5(Unit:14 Standard Panel:2.5)			
						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 Heating		°C		-15~50*2			
						-20~20			
Panel						TC-PSA-5AW-E, TC-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-TC-5AW-E2			

NOTES:

The data are measured under the following conditions(R32 : ISO-T1, H1, R410A : 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			FDTC100VNAPVH	FDTC125VNAPVH	FDTC140VNATVH
			Twin		Triple
Indoor unit			FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3
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	3.30 / 3.15	4.90 / 4.50	4.75 / 4.60
EER/COP	Cooling/Heating		3.03 / 3.56	2.55 / 3.11	2.86 / 3.37
Inrush current		A	5	5	5
Max. current			25	25	25
Sound power level*1	Indoor*3	Cooling/Heating	59 / 59	60 / 60	59 / 59
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27
	Outdoor	Cooling/Heating	54 / 56	55 / 57	57 / 59
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
		Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620		
	Outdoor		845 x 970 x 370		
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)		
	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			TC-PSA-5AW-E, TC-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-TC-5AW-E2		

The values are for simultaneous Multi operation.

R410A			Micro Inverter					
Set model name			FDTC100VSAPVH	FDTC125VSAPVH	FDTC140VSATVH	FDTC200VSADVH	FDTC250VSADVH	
			Twin		Triple	Double Twin		
Indoor unit			FDTC50VH x 2	FDTC60VH x 2	FDTC50VH x 3	FDTC50VH x 4	FDTC60VH x 4	
Outdoor unit			FDC100VSA	FDC125VSA	FDC140VSA	FDC200VSA	FDC250VSA	
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)	19.0 (5.2 ~ 22.4)	24.0 (6.9 ~ 28.0)	
Nominal heating capacity (Min~Max)	kW		11.2 (4.0 ~ 12.5)	14.0 (4.0 ~ 16.0)	15.5 (4.0 ~ 16.5)	22.4 (3.3 ~ 25.0)	27.0 (5.5 ~ 31.5)	
Power consumption	Cooling/Heating	kW	3.30 / 3.15	4.90 / 4.50	4.75 / 4.60	6.95 / 10.7	6.79 / 8.20	
EER/COP	Cooling/Heating		3.03 / 3.56	2.55 / 3.11	2.86 / 3.37	2.73 / 2.10	3.53 / 3.29	
Inrush current		A	5	5	5	5	5	
Max. current			15	15	15	20	21	
Sound power level*1	Indoor*3	Cooling/Heating	59 / 59	60 / 60	59 / 59	59 / 59	60 / 60	
	Outdoor	Cooling/Heating	70 / 70	71 / 71	73 / 73	72 / 74	75 / 75	
Sound pressure level*1	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31	
		Heating (P-Hi/Hi/Me/Lo)	44 / 40 / 35 / 27	46 / 42 / 38 / 31	44 / 40 / 35 / 27	44 / 40 / 35 / 27	46 / 42 / 38 / 31	
	Outdoor	Cooling/Heating	54 / 56	55 / 57	57 / 59	58 / 59	61 / 62	
Air flow	Indoor*3	Cooling (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8	
		Heating (P-Hi/Hi/Me/Lo)	13 / 11 / 9 / 7	14 / 12 / 10 / 8	13 / 11 / 9 / 7	13 / 11 / 9 / 7	14 / 12 / 10 / 8	
	Outdoor	Cooling/Heating	75 / 73	75 / 73	75 / 73	135 / 135	143 / 151	
Exterior dimensions	Indoor	HeightxWidthxDepth	Unit: 248 x 570 x 570 Panel: 10 x 620 x 620					
	Outdoor		845 x 970 x 370			1,300 x 970 x 370	1,505 x 970 x 370	
Net weight	Indoor		16.5(Unit:14 Standard Panel:2.5)					
	Outdoor		82			115	143	
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")			9.52(3/8") / 22.22(7/8")		
Refrigerant line (one way) length		m	Max.50			Max.70		
Vertical height differences	Outdoor is higher/lower	m	Max.50 / Max.15			Max.30 / Max.15		
Outdoor operating temperature range	Cooling	°C	-15~50*2					
	Heating		-20~20				-15~20	
Panel			TC-PSA-5AW-E, TC-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-TC-5AW-E2					