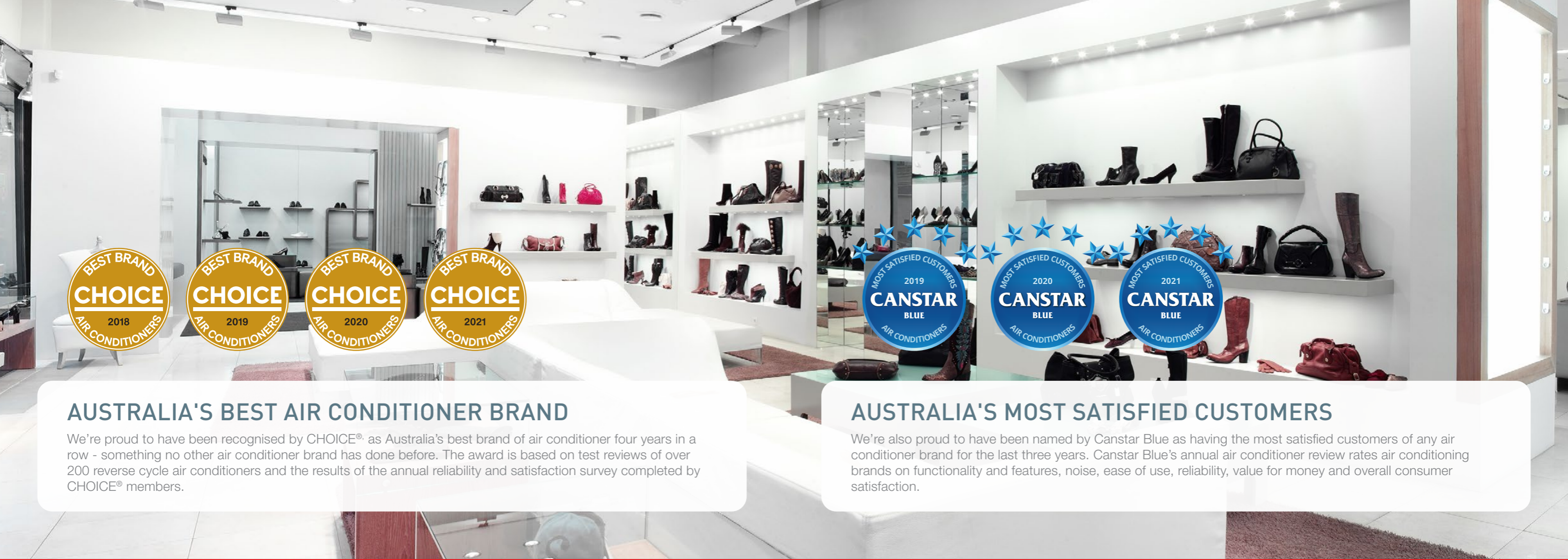


**AIR CONDITIONING**



HEATING AND COOLING SOLUTIONS

**CEILING SYSTEMS**



## AUSTRALIA'S BEST AIR CONDITIONER BRAND

We're proud to have been recognised by CHOICE® as Australia's best brand of air conditioner four years in a row - something no other air conditioner brand has done before. The award is based on test reviews of over 200 reverse cycle air conditioners and the results of the annual reliability and satisfaction survey completed by CHOICE® members.

## AUSTRALIA'S MOST SATISFIED CUSTOMERS

We're also proud to have been named by Canstar Blue as having the most satisfied customers of any air conditioner brand for the last three years. Canstar Blue's annual air conditioner review rates air conditioning brands on functionality and features, noise, ease of use, reliability, value for money and overall consumer satisfaction.

## MITSUBISHI HEAVY INDUSTRIES AIR CONDITIONERS AUSTRALIA

Mitsubishi Heavy Industries Air-Conditioners Australia (MHIAA) is one of Australia's leading suppliers of premium residential and commercial air conditioning systems. Delivering engineering excellence for over 130 years, the Mitsubishi Heavy Industries brand is instantly recognisable for quality and technological advancement.

With innovation central to both the organisation and the development of air conditioning systems, Mitsubishi Heavy Industries carries a strong philosophy of engineering products that are designed to improve the lives of those who use them and at the same time, create a sustainable future for our company and the world we live in.

## COMMITTED TO QUALITY

Standing behind the quality of our products, is our commitment to our customers and our after sales service guarantees. Along with the rigorous quality assurance testing carried out on all Mitsubishi Heavy Industries products, comprehensive warranties provide you with peace of mind and carry our commitment to quality.

## 5 YEARS PARTS AND LABOUR WARRANTY

Mitsubishi Heavy Industries Air conditioners Australia focuses solely on manufacturing high performance air conditioners for the Australian market. All our systems are of the highest quality and are backed by a full 5 year parts and labour warranty.



## EXCEEDING ENERGY PERFORMANCE STANDARDS

To comply with Australian standards and deliver the most efficient solutions possible to our customers, all Mitsubishi Heavy Industries Air conditioners Australia systems meet and exceed the Minimum Energy Performance Standards (MEPS).



# Key Features and Functions

Our ceiling systems come with a number of key convenient features and functions that are designed to ensure your comfort all year round. See page 9 for full list of all features and functions.



## HIGH POWER OPERATION

Provides 15mins of boosted power allowing you to quickly heat or cool your home before returning to normal operation. Perfect for when you first turn on the unit.



## WEEKLY TIMER

Set up to 4 timer operations a day (max 28 per week). Once set, the unit will turn on and off at the specified times of the day repeatedly.



## SLEEP TIMER

Allows you to set a pre-determined amount of time between 30 and 240 mins that your unit will operate for before switching off.



## SILENT OPERATION

Program periods where the unit will operate with reduced noise levels.



## BUILT-IN DRAIN PUMP

The built-in drain pump, which includes a lift of 850mm, allows greater flexibility with installation, offering a great solution for applications with limited space\*.



## VERTICAL AUTO SWING

Set the vertical louvres on your unit to move up and down continuously during operation. This function allows you to set the up/down swing position of the louvre to your preferred angle.

\*Applicable to FDT and FDTC products

# Our Technology

## IMPROVED HEAT EXCHANGER

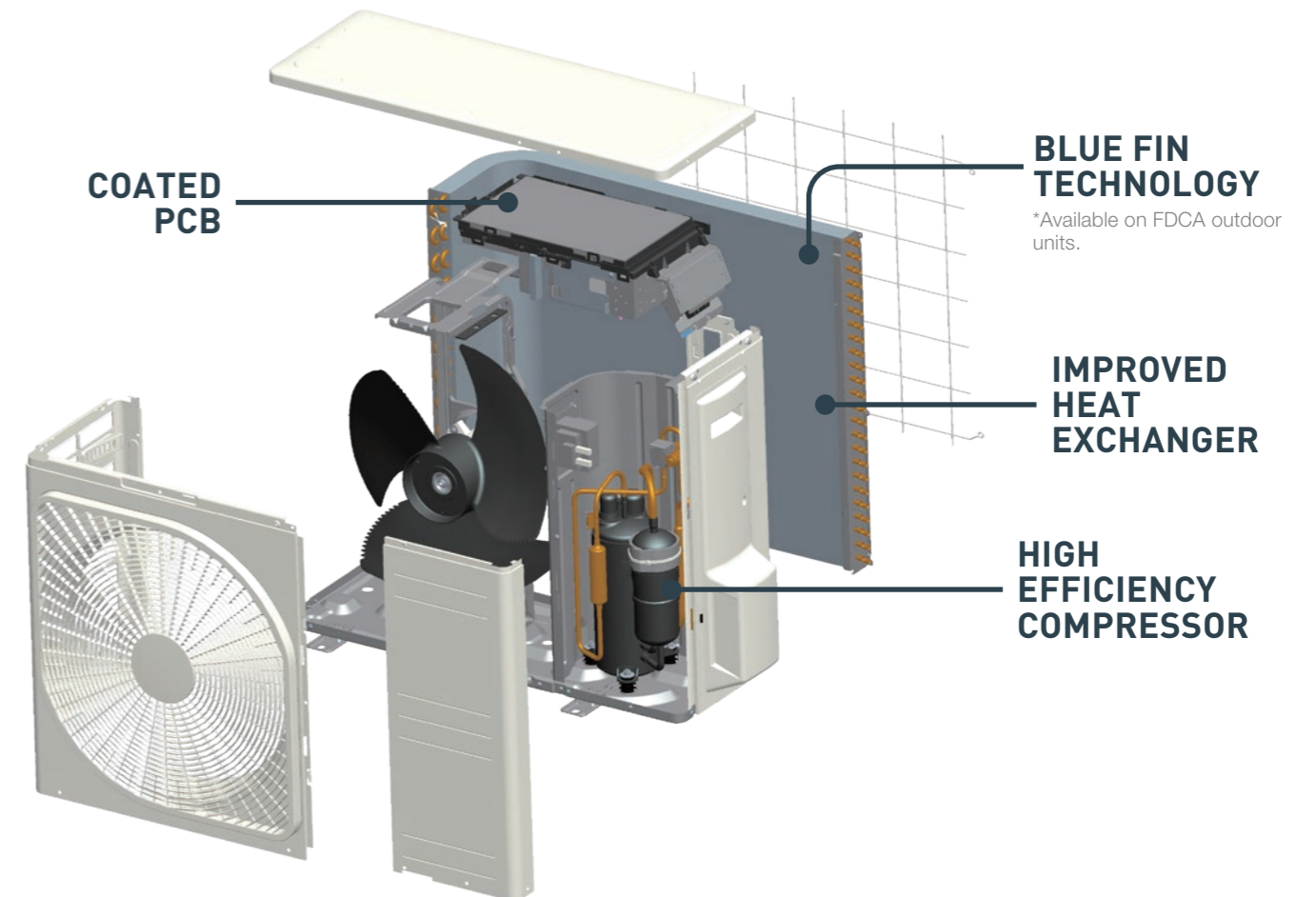
Our new and improved heat exchanger has been developed to improve refrigerant distribution and increase the systems effectiveness. The new design features a larger heat exchange area, boosting the unit's overall efficiency.

## COATED PCB

To protect against humid weather a protective coating is applied to the circuit board in the outdoor unit, allowing it to withstand Australia's varying weather conditions and ensure the longevity of your system.

## BLUE FIN TECHNOLOGY

Mitsubishi Heavy Industries outdoor units are coated with specially formulated layers that assist in preventing the hydrophilicity effect and assists in reducing the corrosion rate of the aluminium section from harsh Australian weather conditions.



## HIGH EFFICIENCY COMPRESSOR

One of the key features that provides Mitsubishi Heavy Industries air conditioners with their powerful performance is our highly efficient compressor. Combined with a Neodymium motor that uses powerful, rare earth magnets, Mitsubishi Heavy Industries air conditioners can deliver a higher motor efficiency while producing much less operational noise.

## DC PAM INVERTER

The PAM control used in Mitsubishi Heavy Industries air conditioners helps minimise the loss of electricity and boost the efficiency by allowing the unit to reach the temperature quickly before slowing down the compressor. This allows the unit to save energy while maintaining a comfortable temperature in the room.

## WIDE OPERATION RANGE

With our advanced technology and high quality components, Mitsubishi Heavy Industries air conditioners can operate in ambient outdoor temperatures as low as -20°C in heating mode and as high as +50°C in cooling mode.

This permits the installation in areas where the temperature conditions can be considered extreme.

# FDT Series



See pg. 9 for full list of features and functions

## Control Solutions

### Wired



RC-EXZ3A

RC-E5

RCH-E3

### Wireless



RCN-T-5BW-E2 (FINE SNOW)  
RCN-T-5BB-E2 (SHADOW BLACK)

### Motion Sensor



LB-T-5BW-E (FINE SNOW)  
LB-T-5BB-E (SHADOW BLACK)

# FDTC Series



See pg. 9 for full list of features and functions

## Control Solutions

### Wired



RC-EXZ3A

RC-E5

RCH-E3

### Wireless



RCN-TC-5AW-E3 (FINE SNOW)  
RCN-TC-5BB-E3 (SHADOW BLACK)

### Motion Sensor



LB-TC-5W-E

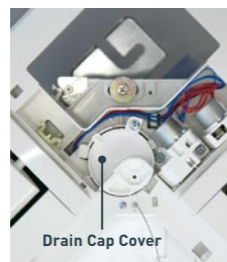
## Four Way Ceiling Cassette 6.0kW | 7.1kW | 10.0kW | 12.5kW | 14.0kW

### EASY MAINTENANCE

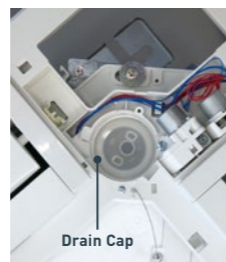
Easily check the drain pan by simply removing the corner panel.



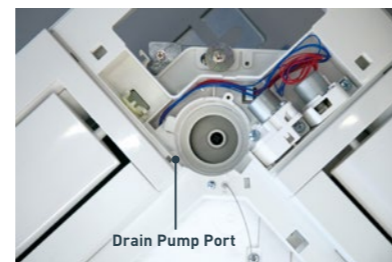
Remove cover lid



Drain Cap Cover



Drain Cap



Drain Pump Port

Remove drain cap cover and check the condition. To clean, firstly remove the rubber plug to drain water before removing the drain cap.

Clean up the area around the drain pump port.

### DRAUGHT PREVENTION PANEL

The Draught Prevention Panel utilises 4 specially designed louvres to direct airflow horizontally along the ceiling, eliminating uncomfortable draughts.



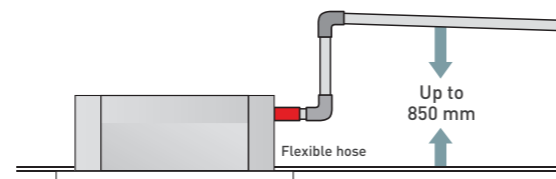
### INDIVIDUAL LOUVRE CONTROL

Individually control each of the four louvre's position, to deliver varied airflow in all directions.



### BUILT-IN DRAIN PUMP

Drain can be discharged upwards by 850mm from the ceiling surface allowing for flexible piping layout to suit many applications.

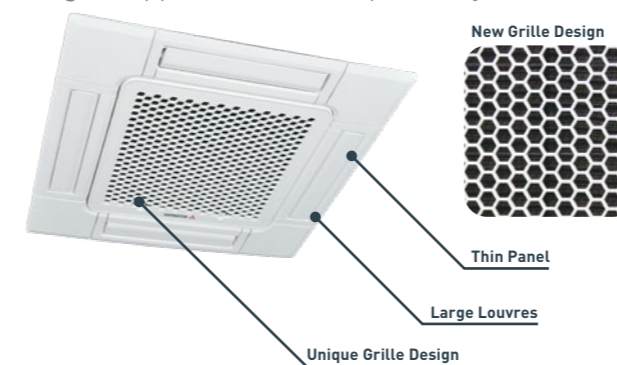


## Compact Four Way Ceiling Cassette 2.5kW | 3.5kW | 5.0kW | 6.0kW



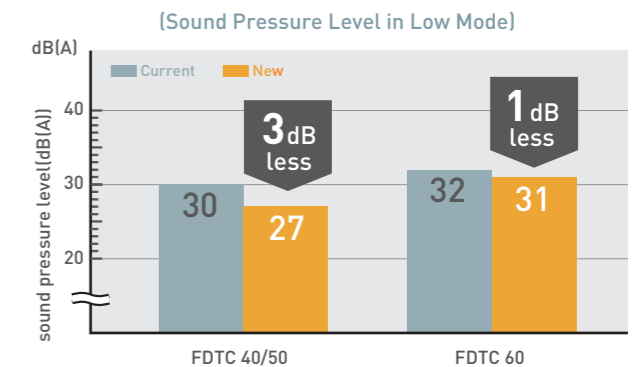
### FLAT PANEL AND GRILL DESIGN

Weighing only 14kgs, with a main body height of only 248mm and fascia panel of only 10mm, the new FDTC series can be easily installed in a huge range of applications where space may be limited.



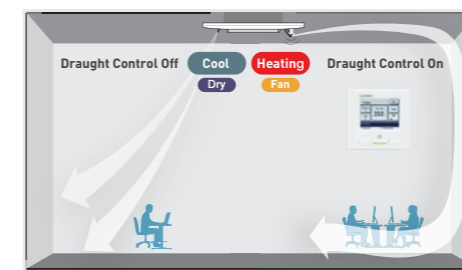
### QUIETER OPERATION

New and improved turbo fan and heat exchanger design has allowed for a reduction in operation noise.



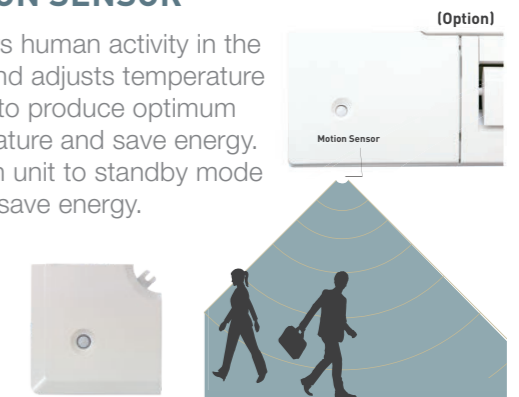
### DRAUGHT PREVENTION PANEL

The Draught Prevention Panel utilises 4 specially designed louvres to direct airflow horizontally along the ceiling, eliminating uncomfortable and annoying draughts.

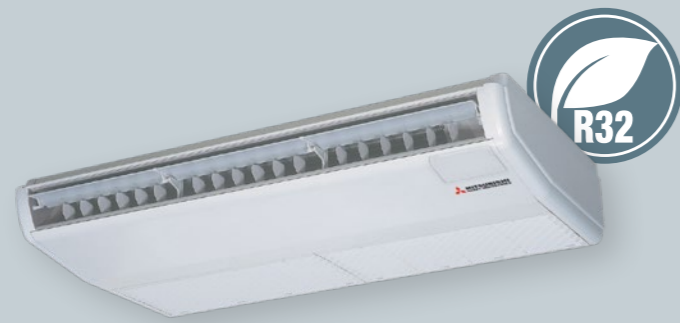


### MOTION SENSOR

Monitors human activity in the room and adjusts temperature setting to produce optimum temperature and save energy. Will turn unit to standby mode to also save energy.



# FDE Series



## Control Solutions

### Wired



RC-EXZ3A

RC-E5

RCH-E3

### Wireless



RCN-E-E3

### Motion Sensor



LB-E

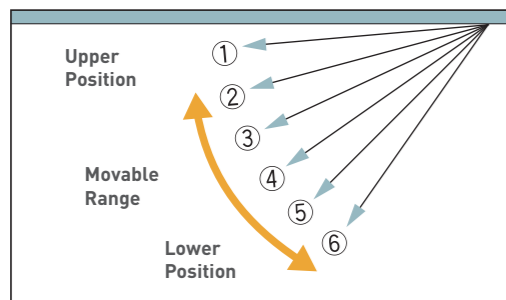
See pg. 9 for full list of features and functions

## Ceiling Suspended 7.1kW | 10.0kW | 12.5kW | 14.0kW

### ADJUSTABLE LOUVRES

Set the louvres in a number of fixed positions for effective air distribution.

\*Not available with RCH-E3 controller



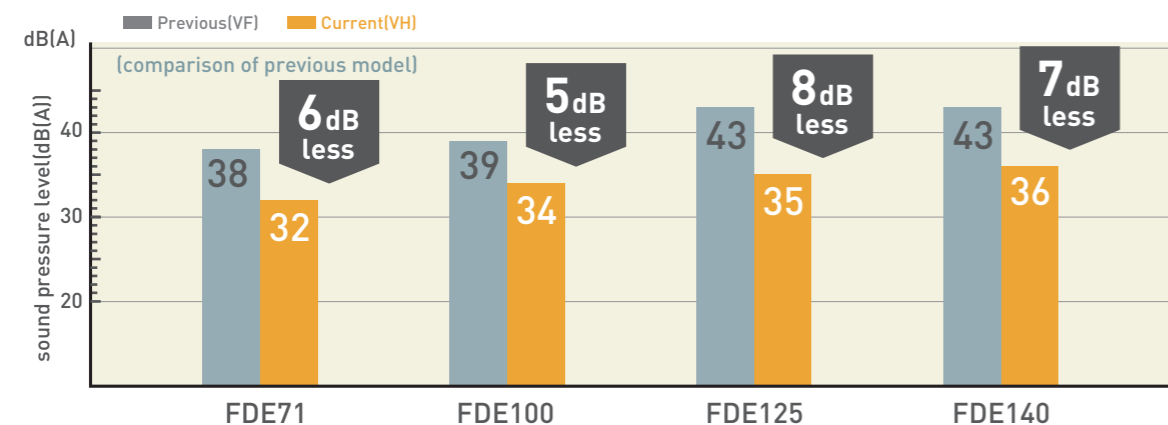
### SLIM LIGHTER DESIGN

By reducing the number of fan motors, the FDE series has been able to adopt a slim and more lightweight design.

	Previous		Current	
FDE71	37	➔	33	4kg less!
FDE125	49	➔	43	6kg less!
FDE140	49	➔	43	6kg less!

### REDUCED OPERATION NOISE

By adjusting airflow volume and decreasing pressure loss by utilising one single fan motor, the FDE series boasts some of the industry's lowest operation noise levels.



# Features and Functions

	FUNCTION	DESCRIPTION	FDT	FDTC	FDE
AIRFLOW	Louvre Control System	Set the upper and lower limit positions of the louvre at each air outlet individually, providing you with complete control over interior air flow.	●	●	●
	Automatic Fan Speed	The unit's on-board microcomputer continuously monitors the room's air temperature and adjusts the air flow automatically.	●	●	●
	Vertical Auto Swing	The vertical louvres on your unit will move up and down continuously during operation. This function allows you to set the up/down swing position of the louvre to your preferred operation angle.	●	●	●
CLEAN AIR	Air Filter	The air filter in the unit traps and removes airborne dust particles and other allergens to provide you with a clean air function.	●	●	●
	Filter Sign	Warning that alerts you to when the filter needs to be cleaned.	●	●	●
	Outside Air Intake	Provides clean fresh air into the room through the external air intake, avoiding the constant recycling of internal air.	●	● Optional	
MAINTENANCE	Self Diagnostics	The internal microcomputer automatically runs a diagnostic of the system in the event of a malfunction. This enables your authorised dealer to isolate and repair any issues.	●	●	●
	Built-in Drain Pump	The built-in drain pump, which includes a lift of 850mm, allows greater flexibility with installation, offering a great solution for applications with limited space.	●	●	
	Set Temperature Auto Return*	Allows you to program a preferred set temperature that the unit will return to each time it is operated.	●	●	●
ENERGY SAVING	Home Leave Operation*	Ensures that when the room is unoccupied for long periods of time, the unit will maintain a moderate indoor temperature, avoiding extremely hot or cool temperatures.	●	●	●
	Peak-Cut Timer*	Preset the capacity limit during certain periods of the day, minimising energy consumption during peak billing times, thus reducing operation costs.	●	●	●
CLEAN AIR	Hi Power Operation*	Provides 15mins of boosted heating or cooling power before returning to normal operation. Perfect for when first using the unit.	●	●	●
	Silent Operation	Allows you to program periods where the unit will operate with reduced noise levels, perfect for night time and an uninterrupted sleep	●	●	●
	Automatic Operation	Automatically selects the required heating or cooling function based on the current room conditions.	●	●	●
	Weekly Timer	Set your unit to turn on and off automatically on a weekly basis to suit your usual room usage on each day.	●	●	●
	Sleep Timer	Set a pre-determined amount of time between 30 and 240 mins that your unit will operate for before switching off.	●	●	●
	Function Switch*	From the six available functions on the unit, this function allows you to set two functions to operate automatically. (Note: this is not available when a centralised remote control is connected).	●	●	●

\*Functions can only be enabled using RC-EXZ3A wired controller.

On/off timer, weekly timer and sleep timer are disabled if Wi-Fi accessory connected. Similar functions can be set via the AC Cloud application.

# Optional Control Solutions

## WIRED CONTROLLERS



### RC-EXZ3A

- Large, 3.8" backlit LCD touch screen with easy to navigate menu.
- Control the set temperature, operation mode and fan speed.
- Access timer and scheduling functions.
- Access additional features including Home Leave mode, Silent Mode, High Power mode plus many more.
- Multi-language display (6 languages).



### RC-E5

- Easy to use controller with LCD Display.
- Control the set temperature, operation mode and fan speed.
- Access timer and scheduling functions.
- Access service, maintenance and technical data.



### RCH-E3

- Simple, easy to use controller.
- Control the set temperature, operation mode and fan speed.

## WIRELESS KITS AND REMOTE CONTROLS

### KEY FEATURES

- Hi Power Mode
- Energy Saving Mode
- Home Leave Mode
- Silent Mode
- On / Off Timer
- Child Lock

### FDT



RCN-T-5BW-E2 (FINE SNOW) RCN-T-5BB-E2 (SHADOW BLACK)

### FDTC



RCN-TC-5AW-E3 (FINE SNOW)

### FDE



RCN-E-E3

## THERMISTOR (OPTIONAL)

Used in cases where the sensor in the indoor unit or the remote control can not detect the room temperature correctly or individual remote control in each room is not required.



## WI-FI ADAPTOR

### MH-RC-WIFI-1B

The MH-RC-WIFI-1B allows you to control your system via your smart device or browser including on/off, temperature, mode and fan speed settings.



Device to be installed by a qualified licensed person, and to a location not susceptible to temperatures above 40°C.

# WI-FI SOLUTION



## Control Your Air **Your** Way

- CONTROL YOUR AIR CONDITIONER USING YOUR SMARTPHONE, TABLET OR DESKTOP VIA EASY TO USE AC CLOUD CONTROL APP\*.
- CONTROL YOUR AIR CONDITIONER USING VOICE COMMAND VIA YOUR GOOGLE OR AMAZON SMART DEVICE\*\*.
- SET UP 'FAVOURITE' SCENES AND ACTIVATE THEM WITH A SINGLE TAP.
- SET YOUR SYSTEM TO RESPOND TO THE WEATHER, YOU ARRIVING HOME, CALENDAR EVENTS AND MORE\*\*.
- RECEIVE INSTANT NOTIFICATIONS AND EMAIL UPDATES\*\*.

\*Requires MH-RC-WI-FI-1B Wi-Fi adaptor (sold separately)

\*\*In conjunction with IFTTT and other apps (must be downloaded separately).

Note: Some functions for some air conditioners may not be available via AC Cloud Control app.

## AC Cloud Control



### Compatible with



Controlling your device with AC Cloud Control app requires aforementioned Wi-Fi adaptors and working internet or Wi-Fi connection. Google Account required for use with Google devices. Features and services may change without notice. Google is a trademark of Google LLC.

# PRODUCT SPECIFICATIONS

## FDT SERIES



FDT60-140VH



FDC100VNP-W



SRC60ZSA-W



FDC100VSA-W



FDC125VSA-W



FDC140VSA-W

Images are for illustration purposes and actual product labels may differ.

CAPACITY		6.0kW	7.1kW	10.0kW	10.0kW	10.0kW	12.5kW	14.0kW	10kW	12.5kW	14.0kW	14.0kW
Set		FDT60ZSAVWH	FDT71AVNWXWH	FDT100AVNAVWH	FDT100AVNAVWH	FDT100AVNAVWH	FDT125AVNWXWH	FDT140AVNWXWH	FDT100AVSAVWH	FDT125AVSXWH	FDT140AVSXWH	FDT140AVSXWH
Indoor		FDT60VH	FDT71VH	FDT100VH	FDT100VH	FDT100VH	FDT125VH	FDT140VH	FDT100VH	FDT125VH	FDT140VH	FDT140VH
Outdoor		SRC60ZSA-W	FDC71VNX-W	FDC100VNP-W	FDC100VNP-W	FDC100VNP-W	FDC125VNX-W	FDC140VNX-W	FDC100VSA-W	FDC125VSA-W	FDC140VSA-W	FDC140VSA-W
Power Source (Outdoor Unit)				1 Phase 240V 50Hz					3 Phase 380-415V 50Hz			
*Operation Data	Nominal Capacity (Range)	Cooling T1 Heating H1 Heating H2	7.1 (3.2-8.0) 8.0 (3.6-9.0)	10.0 (4.0-11.2) 11.2 (4.0-12.5)	10.0 (4.0-11.2) 11.2 (4.0-12.5)	12.5 (3.5-14.0) 14.0 (2.7-17.0)	14.0 (3.5-16.0) 16.0 (2.7-18.0)	14.0 (4.0-11.2) 11.2 (4.0-12.5)	12.5 (3.5-14.0) 14.0 (2.7-18.0)	14.0 (3.5-14.0) 16.0 (2.7-20.0)	14.0 (3.5-16.0) 16.0 (2.7-20.0)	14.0 (3.5-16.0) 16.0 (2.7-20.0)
	Power Consumption	Cooling T1 Heating H1	1.33 1.56	1.69 1.75	2.73 2.54	2.73 2.54	3.21 3.43	3.87 4.20	2.73 2.54	3.81 3.72	4.20 4.20	3.81 3.87
	Maximum Power Consumption	Cooling T1 Heating H1	2.90 6.9	4.11 7.8	6.40 12.4	6.40 12.4	7.10 15.1	7.10 15.1	7.10 15.1	8.90 6.3	8.90 6.3	8.90 6.7
	Running Current	Cooling T1 Heating H1	5.15 4.21	5.19 4.20	5.24 3.66	5.24 3.66	5.27 3.89	5.27 3.89	5.15 3.89	5.14 3.89	5.14 3.89	5.14 3.62
	Inrush Current, Maximum Current	Cooling T1 Heating H1	4.29 65	4.58 66	4.41 70	4.41 70	4.68 70	4.81 71	4.41 70	4.08 70	4.08 70	3.81 71
*Operation Data	Sound Power Level (JIS C9612)	Outdoor	P-Hi:44 Hi:34 Me:31 Lo:27	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:47 Hi:39 Me:36 Lo:30	P-Hi:48 Hi:42 Me:39 Lo:32
	Sound Pressure Level (JIS C9612)	Indoor	54	51	55	54	54	54	55	54	54	54
External dimensions (HxWxD)	Indoor	236x840x840	236x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840	298x840x840
	Panel	640x800(+71)x290	750x880(+88)x340	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	1300x970x370
Net weight	Outdoor	Unit 21 Panel 5	Unit 21 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5	Unit 25 Panel 5
	Indoor	45	60	77	77	97	97	97	78	99	99	99
Airflow	Cooling (Indoor)	P-Hi: 433 Hi: 283 Me: 233 Lo: 183	P-Hi: 467 Hi: 300 Me: 250 Lo: 200	P-Hi: 616 Hi: 433 Me: 383 Lo: 283	P-Hi: 616 Hi: 433 Me: 383 Lo: 283	P-Hi: 633 Hi: 467 Me: 417 Lo: 300	P-Hi: 633 Hi: 467 Me: 417 Lo: 300	P-Hi: 616 Hi: 433 Me: 383 Lo: 283	P-Hi: 633 Hi: 467 Me: 417 Lo: 300	P-Hi: 633 Hi: 467 Me: 417 Lo: 300	P-Hi: 633 Hi: 467 Me: 417 Lo: 300	P-Hi: 633 Hi: 467 Me: 433 Lo: 317
	Heating (Indoor)	1.3 15	2.75 30	3.3 30	3.3 30	4.0 30	4.0 30	4.0 30	3.3 30	4.0 30	4.0 30	4.0 30
Installation Data	Refrigerant (R32)	Quantity	09.52	09.52	09.52	09.52	09.52	09.52	09.52	09.52	09.52	09.52
	Refrigerant Piping	Liquid Line	Ø12.7	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88
Controller	Connection Method	Flare Connection										
	Maximum Pipe Length (One Way)	30	50	50	30	100	100	100	50	100	100	100
Demand Response (Optional)	Max Vertical Height Diff. Between O.U. and I.U.	20 (O.U. above I.U.) / 20 (O.U. below I.U.)	30 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)
	Outdoor air temperature (upper, lower limits)	Cooling Heating	-15 to 46 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20	-15 to 50 -20 to 20

(1) The data is measured at the conditions mentioned in the table to the left.

(2) The air conditioner is manufactured and tested in conformity with the AS/NZS.

(3) Sound level indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.

(4) Select the breaker size according to applicable national standard.

(5) The operation data indicates when the air-conditioner is operated at 240V/50Hz.

\*Reducer set Ø9.52 -> Ø6.35 is included in the outdoor unit as accessory for FDC100VNP-W.

# PRODUCT SPECIFICATIONS

## FDTC SERIES



FDTC25-60VH



SRC25-35ZSA-W



SRC25-35ZSA-W



SRC50-60ZSA-W

Images are for illustration purposes and actual product labels may differ.

CAPACITY		2.5kW	3.5kW	5.0kW	6.0kW	
Set		FDTC25ZSAVH1	FDTC35ZSAVH1	FDTC50ZSAVWH	FDTC60ZSAVWH	
Indoor		FDTC25VH1	FDTC35VH1	FDTC50VH	FDT60VH	
Outdoor		SRC25ZSA-W	SRC35ZSA-W	SRC50ZSA-W	SRC60ZSA-W	
Power Source (Outdoor Unit)				1 Phase 240V 50Hz		
*Operation Data	Nominal Capacity (Range)	Cooling T1 Heating H1 Heating H2	2.5 (0.9-3.5) 3.4 (0.9-4.6)	3.5 (0.9-4.3) 4.25 (0.9-4.6)	5.0 (1.1-5.6) 5.4 (0.6-6.3)	5.6 (1.1-6.3) 6.7 (0.6-6.7)
	Power Consumption	Cooling T1 Heating H1	3.45 0.54 (0.18-0.89) 0.77 (0.18-1.36)	3.95 0.91 (0.18-1.37) 1.08 (0.19-1.33)	4.80 1.40 1.53	5.80 1.73 2.14
	Maximum Power Consumption	Cooling T1 Heating H1	1.65 2.7	1.65 4.1	2.90 6.2	2.90 7.6
	Running Current	Cooling T1 Heating H1	3.6 3.6,9	4.8 4.8,9	6.7 9.4	6.7 9.4
	Inrush Current, Maximum Current	Cooling T1 Heating H1	4.63 4.42	3.85 3.94	3.58 3.53	3.23 3.13
Installation Data	Sound Power Level (JIS C9612)	Outdoor	59	62	63	65
	Sound Pressure Level (JIS C9612)	Indoor	P-Hi:38 Hi:34 Me:30 Lo:27	P-Hi:39 Hi:36 Me:32 Lo:29	P-Hi:44 Hi:40 Me:35 Lo:27	P-Hi:46 Hi:42 Me:38 Lo:31
External dimensions (HxWxD)	Indoor	47	50	52	54	
	Panel	248x570x570	248x570x570	248x570x570	248x570x570	
Net weight	Outdoor	540x780(+62)x290 Unit 14 Panel 2.5	540x780(+62)x290 Unit 14 Panel 2.5	640x800(+71)x290 Unit 14 Panel 2.5	640x800(+71)x290 Unit 14 Panel 2.5	
	Indoor	34.5	34.5	45	45	
Airflow	Cooling (Indoor)	P-Hi: 142 Hi: 125 Me: 117 Lo: 100	P-Hi: 150 Hi: 133 Me: 125 Lo: 108	P-Hi: 217 Hi: 183 Me: 150 Lo: 117	P-Hi: 233 Hi: 200 Me: 167 Lo: 133	
	Heating (Indoor)	0.78 15	0.78 15	1.3 15	1.3 15	
Refrigerant (R32)	Quantity	06.35	06.35	06.35	06.35	
	Refrigerant Piping	Liquid Line	Ø9.52	Ø9.52	Ø9.52	Ø9.52
Connection Method	Gas Line	Flare Connection	Flare Connection	Flare Connection	Flare Connection	
	Maximum Pipe Length (One Way)	20	20	30	30	
Controller	Max Vertical Height Diff. Between O.U. and I.U.	10 (O.U. above I.U.) / 10 (O.U. below I.U.)	20 (O.U. above I.U.) / 10 (O.U. below I.U.)	20 (O.U. above I.U.) / 20 (O.U. below I.U.)	20 (O.U. above I.U.) / 20 (O.U. below I.U.)	
	Outdoor air temperature (upper, lower limits)	Cooling Heating	-15 to 46 -15 to 24	-15 to 46 -15 to 24	-15 to 46 -20 to 20	-15 to 46 -20 to 20

\*The data is measured under the following conditions (AS / NZS 3823.2). 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.

# PRODUCT SPECIFICATIONS FDE SERIES



FDE71-140VH



FDCA71VNX-W, FDC100VNP-W



FDCA100VNA-W, FDCA100VSA-W



FDCA125-140VNX-W, FDCA125-140VSK-W

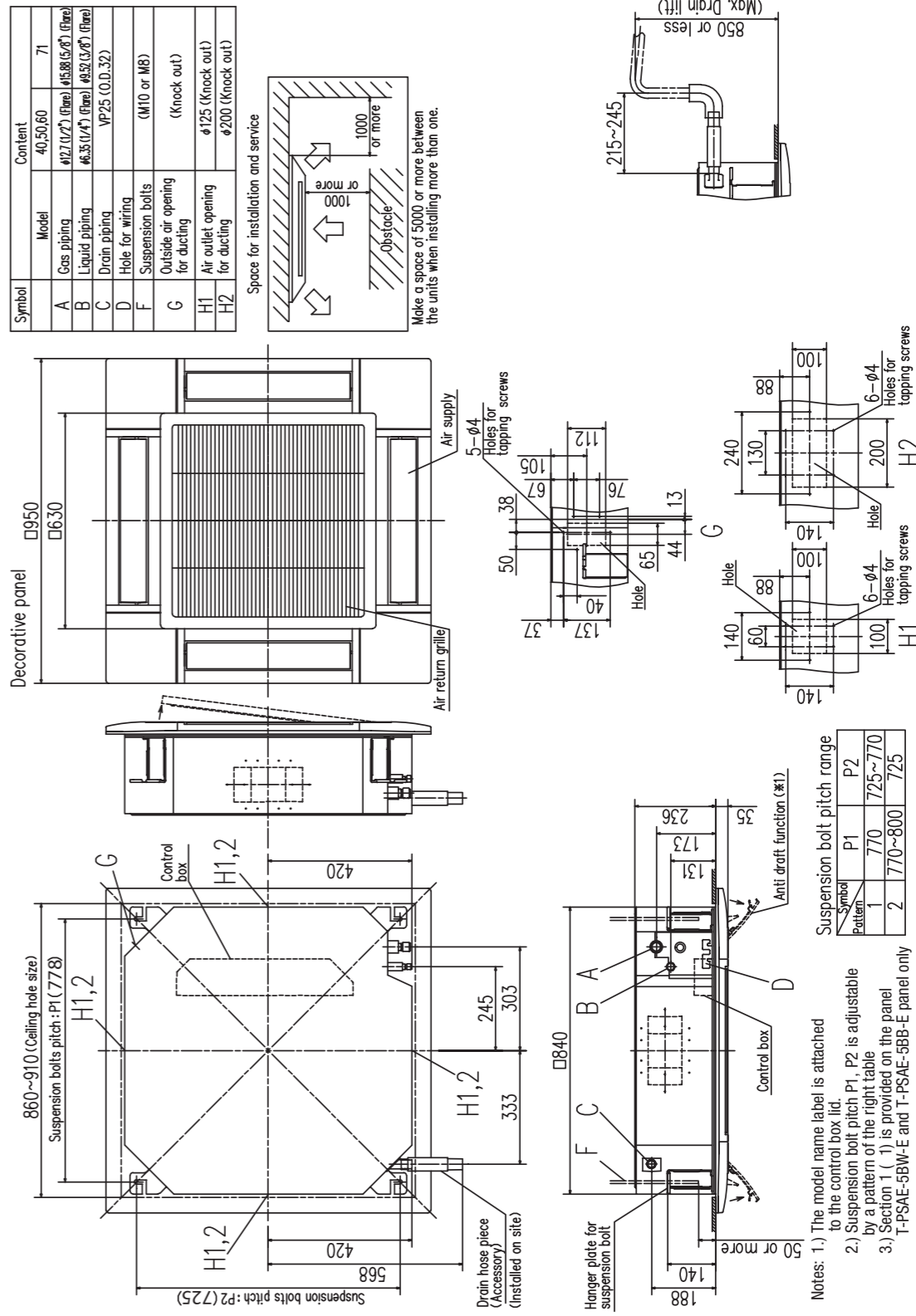
Images are for illustration purposes and actual product labels may differ.

CAPACITY		7.1kW	10.0kW	10.0kW	12.5kW	14.0kW	10kW	12.5kW	14.0kW	
Set	Indoor	FDE71AVNXWH FDE71VH	FDE100AVNAWH FDE100VH	FDE100VNPWH FDE100VH	FDE125AVNXWH FDE125VH	FDE140AVNXWH FDE140VH	FDE100AVSAWH FDE100VH	FDE125AVSNWH FDE125VH	FDE140AVSNWH FDE140VH	
	Outdoor	FDCA71VNXA-W	FDCA100VNA-W	FDC100VNP-W	FDCA125VNX-W	FDCA140VNX-W	FDCA100VSA-W	FDCA125VSK-W	FDCA140VSK-W	
Power Source (Outdoor Unit)		1 Phase 240V 50Hz								
*Operation Data	Nominal Capacity (Range)	7.1 (3.2-8.0) 8.0 (3.5-9.0)	10.0 (4.0-11.2) 11.2 (4.0-12.5)	10 (2.1 - 10.2) 10 (1.7 - 10.4)	12.5 (6.5-14.0) 14.0 (2.7-18.0)	14.0 (3.5-16.0) 16.0 (2.7-18.0)	10.0 (4.0-11.2) 11.2 (4.0-12.5)	12.5 (6.5-14.0) 14.0 (2.7-18.0)	14.0 (3.5-16.0) 16.0 (2.7-20.0)	14.0kW (3.5-16.0) 16.0 (2.7-20.0)
	Power Consumption	1.87 1.87	2.85 2.54	3.00 2.36	3.34 3.74	4.08 4.41	2.85 2.54	3.77 4.41	4.08 4.41	4.08 4.41
	Maximum Power Consumption	4.11	6.40	4.46	7.10	7.10	10.20	7.10	8.90	8.90
	Running Current	8.3	13.8	12.8	14.7	17.9	4.6	6.3	6.5	7.2
	Inrush Current, Maximum Current	8.3	12.4	10.1	16.4	19.4	4.0	6.3	6.3	7.2
Installation Data	EER	5.19	5.24	5.19	5.27	5.27	5.15	5.14	5.14	5.14
	COP	3.80	3.51	3.33	3.75	3.43	3.51	3.75	3.43	3.43
	Sound Power Level (JIS C9612)	66	70	68	70	71	70	70	71	71
	Sound Pressure Level (JIS C9612)	P-Hi:47 Hi:41 Me:37 Lo:32	P-Hi:48 Hi:43 Me:38 Lo:34	P-Hi:48 Hi:43 Me:38 Lo:34	P-Hi:48 Hi:45 Me:40 Lo:35	P-Hi:49 Hi:45 Me:40 Lo:36	P-Hi:48 Hi:43 Me:38 Lo:34	P-Hi:48 Hi:45 Me:40 Lo:35	P-Hi:49 Hi:45 Me:40 Lo:36	P-Hi:49 Hi:45 Me:40 Lo:36
External dimensions (HXWD)	Indoor	210x1320x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	250x1620x690	
	Outdoor	750x880(+88)x340	845x970x370	750x880(+88)x340	845x970x370	845x970x370	845x970x370	845x970x370	845x970x370	
	Indoor	33	43	43	43	43	43	43	43	
	Outdoor	60	77	57	97	97	78	99	99	
Airflow	Cooling (Indoor)	P-Hi:333 Hi:267 Me:217 Lo:167	P-Hi:533 Hi:433 Me:350 Lo:275	P-Hi:533 Hi:433 Me:350 Lo:275	P-Hi:533 Hi:483 Me:383 Lo:283	P-Hi:567 Hi:483 Me:383 Lo:300	P-Hi:533 Hi:433 Me:350 Lo:275	P-Hi:533 Hi:483 Me:383 Lo:283	P-Hi:567 Hi:483 Me:383 Lo:300	
	Heating (Indoor)	2.75	3.3	1.7	4.0	4.0	3.3	4.0	4.0	
	Pre-Charged to Pipe	30	30	15	30	30	30	30	30	
	Liquid Line	Ø9.52	Ø9.52	**Ø6.35	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	
Connection Method	Gas Line	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	Ø15.88	
	Flare Connection									
Controller	Maximum Pipe Length (One Way)	50	50	30	100	100	50	100	100	
	Max Vertical Height Diff. Between O.U. and I.U.	30 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	20 (O.U. above I.U.) / 20 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	50 (O.U. above I.U.) / 15 (O.U. below I.U.)	
Motion Sensor (Optional)	Model									
	Content									
Demand Response (AS4755)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	
	No	-15 to 50	-15 to 50	-15 to 46	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 50	
Outdoor air temperature (upper, lower limits)	Cooling	-20 to 20	-20 to 20	-15 to 20	-20 to 20	-20 to 20	-20 to 20	-20 to 20	-20 to 20	
	Heating	-15 to 50	-15 to 50	-15 to 46	-15 to 50	-15 to 50	-15 to 50	-15 to 50	-15 to 50	

\*The data is measured under the following conditions (AS / NZS 3823.2). 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, 0°CWB.  
\*\*Reducer set Ø8.52 -> Ø6.35 is included in the outdoor unit as accessory for FDC100VNP-W.

# EXTERIOR DIMENSIONS FDT SERIES

## FDT60-71VH

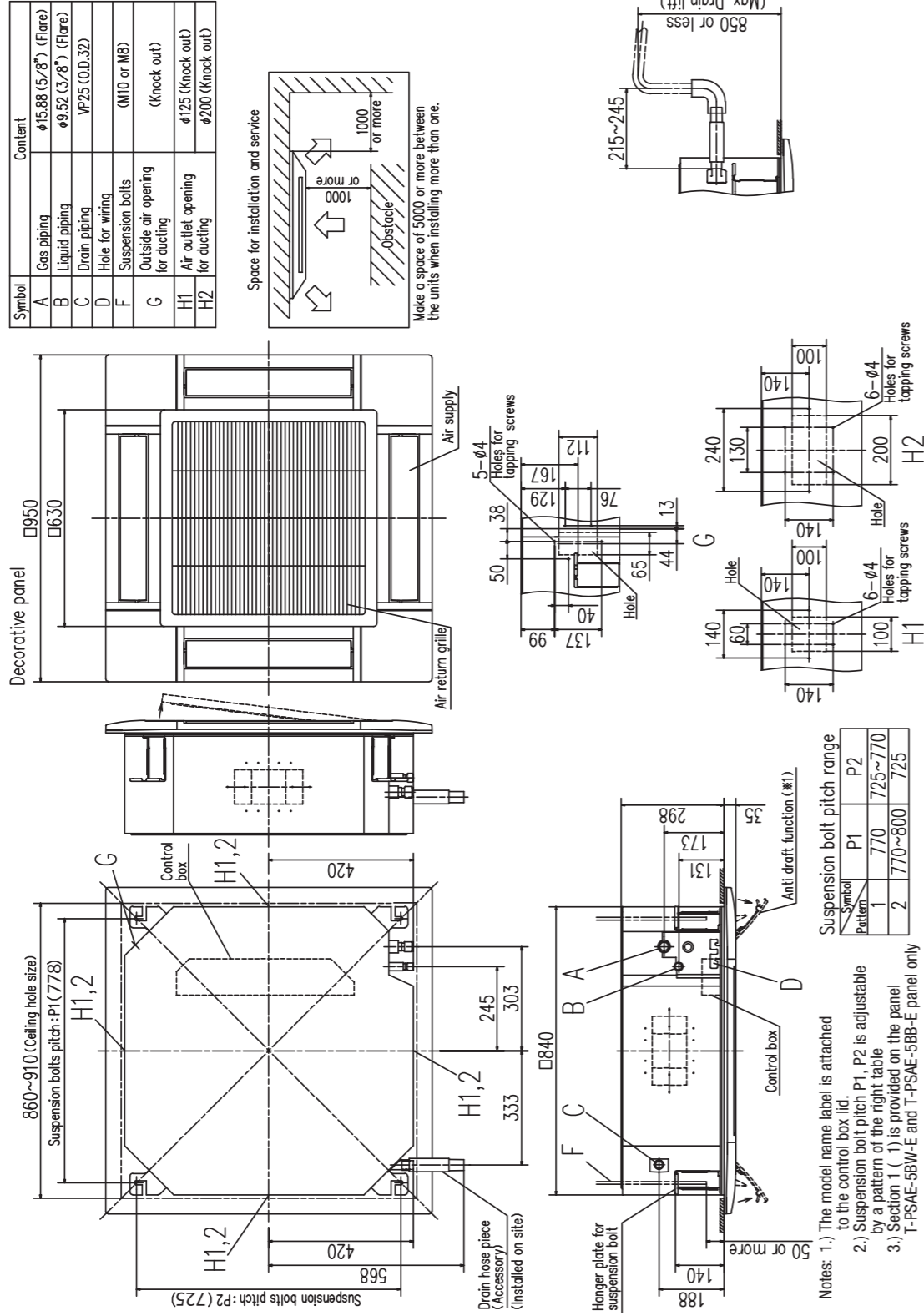


Notes: 1.) The model name label is attached to the control box lid.  
2.) Suspension bolt pitch P1, P2 is adjustable by a pattern of the right table.  
3.) Section 1 ( 1 ) is provided on the panel T-PSAE-5BW-E and T-PSAE-5BB-E panel only



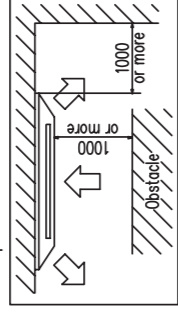
## FDT SERIES

## FDT100-140VH

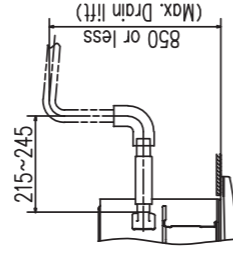


Symbol	Content
A	Gas piping φ15.88 (5/8") (Flare)
B	Liquid piping φ9.52 (3/8") (Flare)
C	Drain piping VP25 (O.D.32)
D	Hole for wiring
F	Suspension bolts (M10 or M8)
G	Outside air opening for ducting (Knock out)
H1	Air outlet opening for ducting φ125 (Knock out)
H2	Air outlet opening for ducting φ200 (Knock out)

Space for installation and service

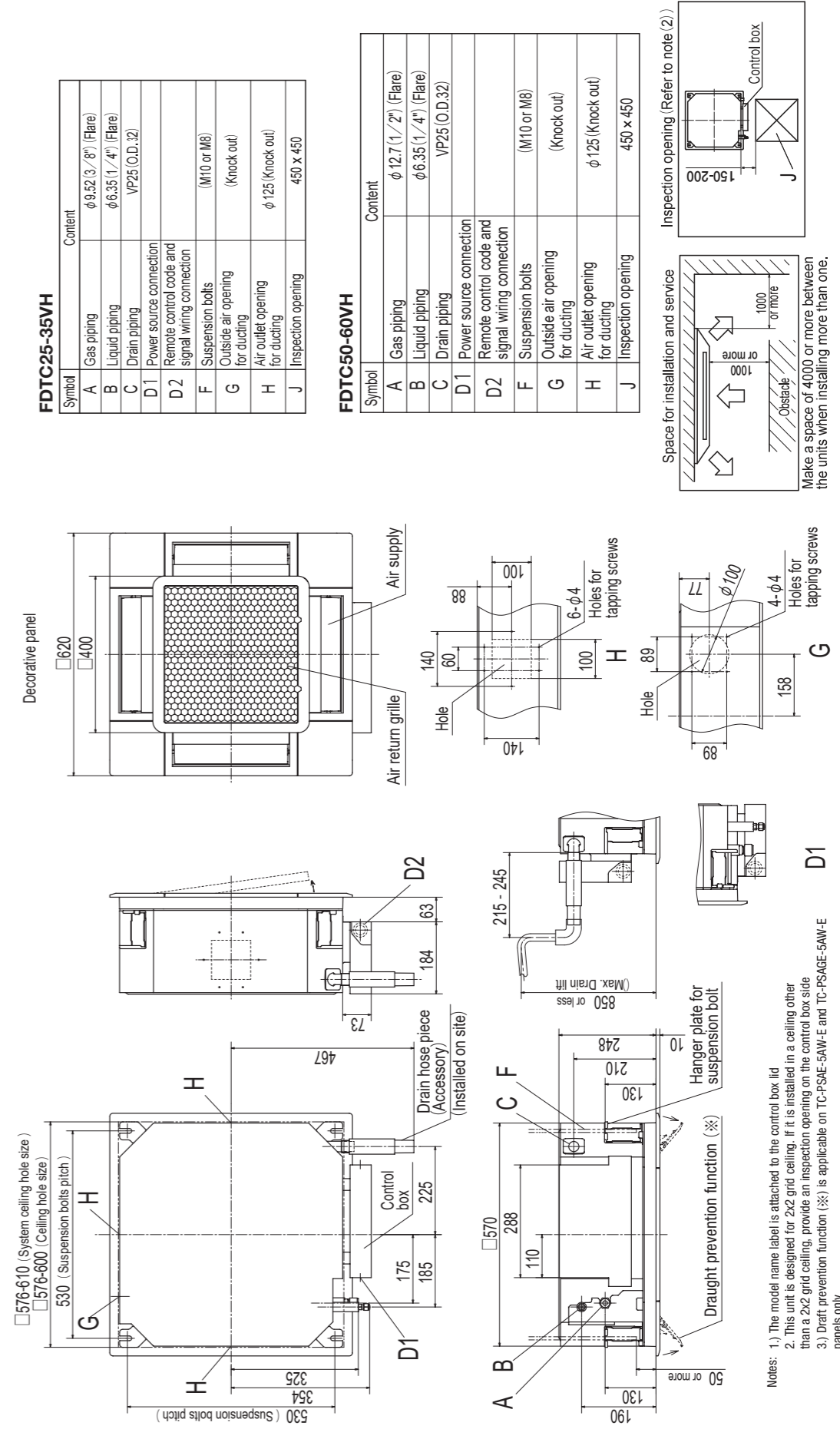


Make a space of 5000 or more between the units when installing more than one.



## FDTC SERIES

## FDTC25-60VH



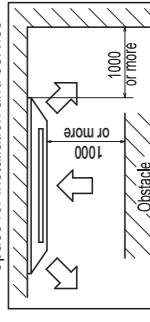
## FDTC25-35VH

Symbol	Content
A	Gas piping φ9.52 (3/8") (Flare)
B	Liquid piping φ6.35 (1/4") (Flare)
C	Drain piping VP25 (O.D.32)
D1	Power source 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 φ125 (Knock out)
J	Inspection opening 450 x 450

## FDTC50-60VH

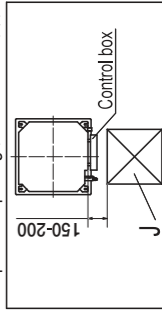
Symbol	Content
A	Gas piping φ12.7 (1/2") (Flare)
B	Liquid piping φ6.35 (1/4") (Flare)
C	Drain piping VP25 (O.D.32)
D1	Power source connection
D2	Remote control code and signal wiring connection
F	Suspension bolts (M10 or M8)
G	Outside air opening for ducting (Knock out)
H	Air outlet opening for ducting φ125 (Knock out)
J	Inspection opening 450 x 450

Space for installation and service



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

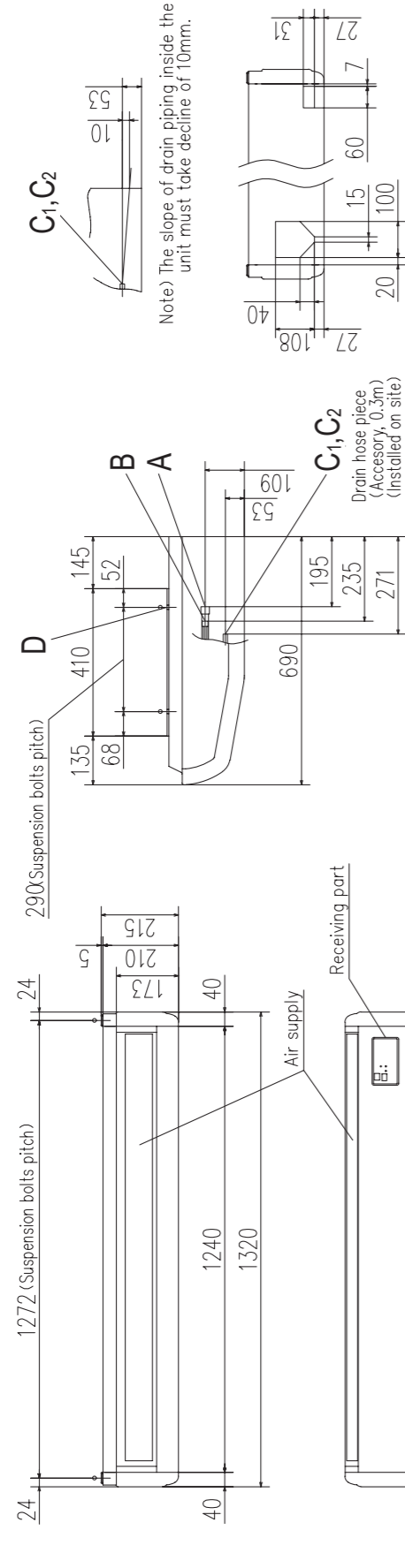
Inspection opening (Refer to note (2))



- 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 in a ceiling other than a 2x2 grid ceiling, provide an inspection opening on the control box side
  - 3.) Draught prevention function (※) is applicable on TC-PSAE-5AW-E and TC-PSAGE-5AW-E panels only

EXTERIOR DIMENSIONS  
FDE SERIES

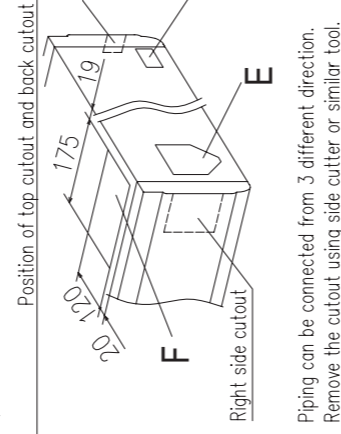
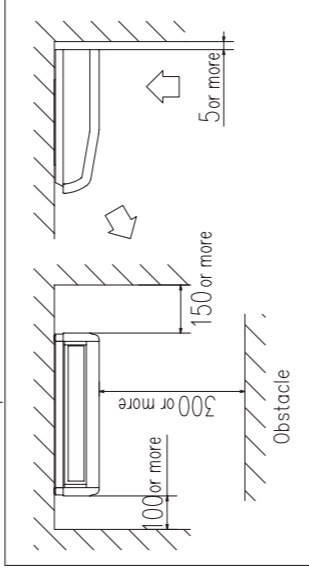
FDE71VH



Note) The slope of drain piping inside the unit must take decline of 10mm.

Drain hose piece (Accessory, 0.3m) (Installed on site)

Space for installation and service



Symbol	Model	Content
A	Gas piping	φ15.88 (5/8") (Flare)
B	Liquid piping	φ9.52 (3/8") (Flare)
C-12	Drain piping	VP20 (I.D.20, O.D.26)
D	Hole for suspension bolts	(M10 or M8)
E	Back cutout	PE cover
F	Top cutout	Plate cover
G	Hole for drain piping (for left back)	(Knock out)

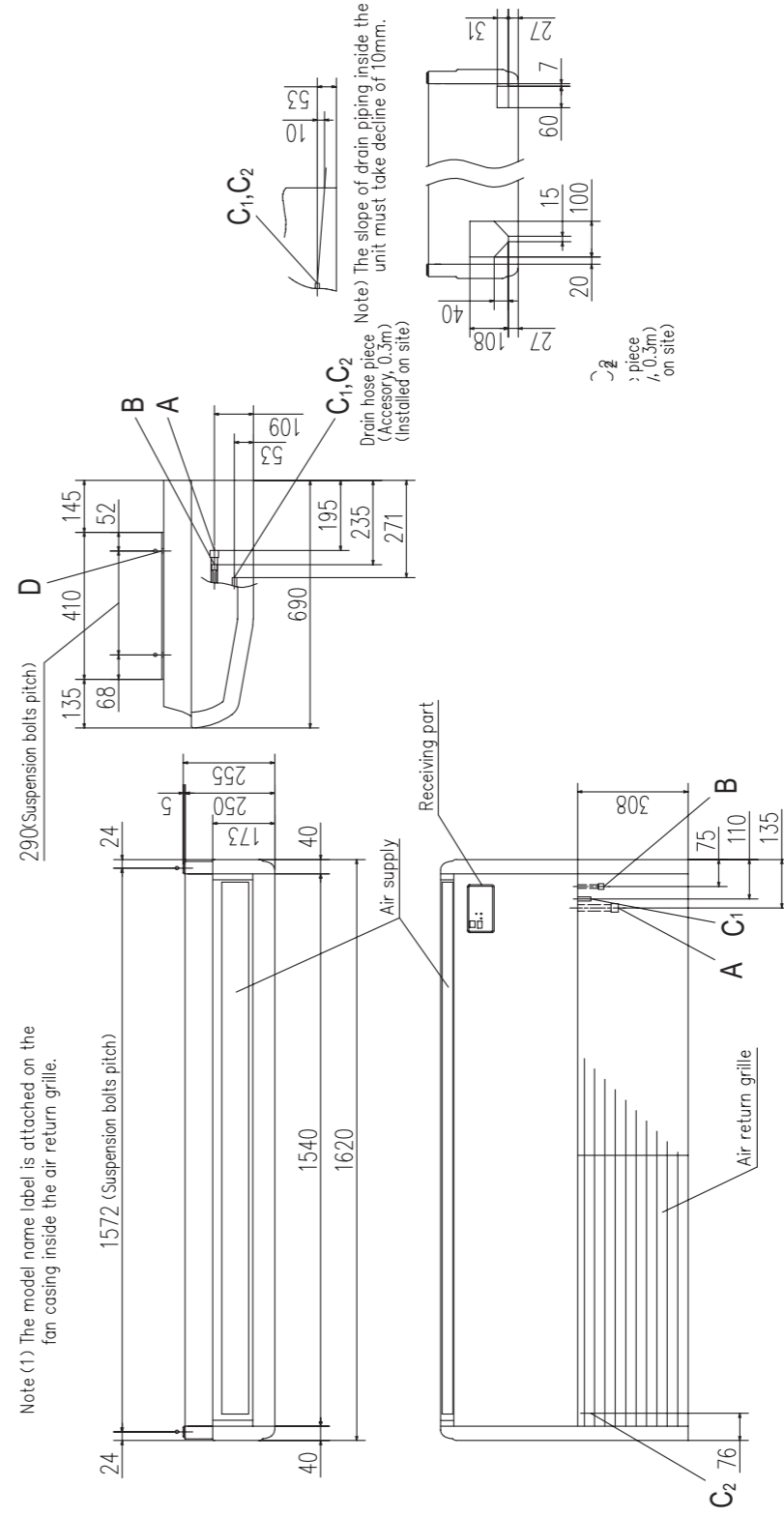
Unit: mm

Note (1) The model name label is attached on the fan casing inside the air return grille.

Make a space of 4500 or more between the units when installing more than one.

EXTERIOR DIMENSIONS  
FDE SERIES

FDE100-140VH

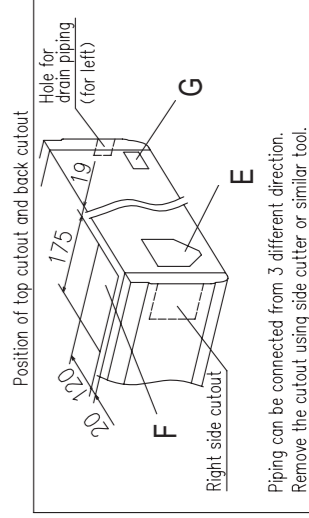
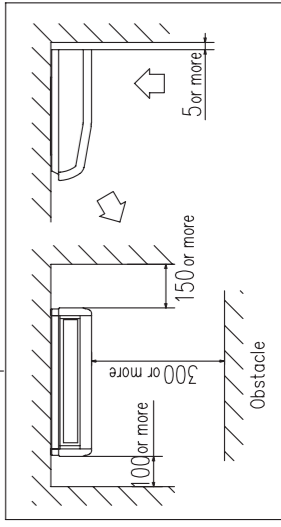


Note (1) The model name label is attached on the fan casing inside the air return grille.

Note) The slope of drain piping inside the unit must take decline of 10mm.

Drain hose piece (Accessory, 0.3m) (Installed on site)

Space for installation and service



Symbol	Content
A	Gas piping
B	Liquid piping
C-12	Drain piping
D	Hole for suspension bolt
E	Back cutout
F	Top cutout
G	Hole for drain piping (for left back)

Unit: mm

Make a space of 5000 or more between the units when installing more than one.

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